

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140874.D
 Acq On : 17 Dec 2024 10:16
 Operator : RC/JU
 Sample : PB165543BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB165543BS

Quant Time: Dec 17 11:07:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	81635	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	280592	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	155591	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	294609	20.000	ng	0.00
76) Chrysene-d12	14.027	240	199900	20.000	ng	0.00
86) Perylene-d12	15.509	264	193215	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	686559	138.446	ng	0.01
7) Phenol-d6	6.498	99	844333	128.547	ng	0.00
23) Nitrobenzene-d5	7.416	82	580996	103.595	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	253223	137.606	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1182609	104.499	ng	0.00
79) Terphenyl-d14	12.957	244	1203412	94.929	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.704	88	74491	34.874	ng	98
3) Pyridine	3.481	79	210335	42.520	ng	99
4) n-Nitrosodimethylamine	3.428	42	113022	45.322	ng	96
6) Aniline	6.516	93	244057	43.457	ng	88
8) 2-Chlorophenol	6.645	128	260545	48.179	ng	100
9) Benzaldehyde	6.410	77	64865	17.823	ng	99
10) Phenol	6.516	94	324485	47.665	ng	98
11) bis(2-Chloroethyl)ether	6.587	93	246770	48.607	ng	100
12) 1,3-Dichlorobenzene	6.786	146	276953	44.944	ng	99
13) 1,4-Dichlorobenzene	6.863	146	284308	45.453	ng	98
14) 1,2-Dichlorobenzene	7.016	146	278951	47.267	ng	99
15) Benzyl Alcohol	6.998	79	242474	51.630	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	336386	56.246	ng	88
17) 2-Methylphenol	7.116	107	228688	52.967	ng	99
18) Hexachloroethane	7.351	117	115950	49.794	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	208186	52.839	ng	98
20) 3+4-Methylphenols	7.269	107	300552	52.497	ng	97
22) Acetophenone	7.263	105	402979	57.412	ng	98
24) Nitrobenzene	7.434	77	296663	51.633	ng	98
25) Isophorone	7.675	82	571823	60.851	ng	100
26) 2-Nitrophenol	7.751	139	156129	59.001	ng	98
27) 2,4-Dimethylphenol	7.792	122	204352	66.125	ng	98
28) bis(2-Chloroethoxy)met...	7.875	93	281687	47.994	ng	99
29) 2,4-Dichlorophenol	7.998	162	205077	48.066	ng	99
30) 1,2,4-Trichlorobenzene	8.069	180	214023	43.758	ng	99
31) Naphthalene	8.151	128	705837	45.794	ng	100
32) Benzoic acid	7.945	122	123579	42.164	ng	99
33) 4-Chloroaniline	8.204	127	138953	27.144	ng	100
34) Hexachlorobutadiene	8.263	225	148957	45.266	ng	100
35) Caprolactam	8.586	113	69625m	54.815	ng	
36) 4-Chloro-3-methylphenol	8.704	107	250182	52.098	ng	99
37) 2-Methylnaphthalene	8.839	142	517626	50.768	ng	100
38) 1-Methylnaphthalene	8.939	142	484509	48.050	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	257560	53.857	ng	100
41) Hexachlorocyclopentadiene	8.992	237	133819	78.677	ng	98
43) 2,4,6-Trichlorophenol	9.128	196	155731	53.181	ng	100

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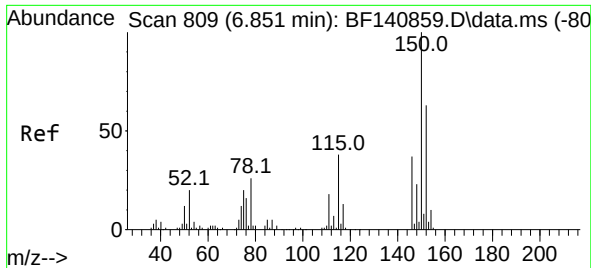
Manual Integrations
 APPROVED

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	171580	53.309	ng	98
46) 1,1'-Biphenyl	9.304	154	642712	51.948	ng	99
47) 2-Chloronaphthalene	9.333	162	467359	49.377	ng	98
48) 2-Nitroaniline	9.439	65	151316	52.934	ng	93
49) Acenaphthylene	9.745	152	717895	51.612	ng	100
50) Dimethylphthalate	9.604	163	600715	54.762	ng	100
51) 2,6-Dinitrotoluene	9.680	165	129453	51.622	ng	92
52) Acenaphthene	9.916	154	434957	48.953	ng	99
53) 3-Nitroaniline	9.851	138	80829	32.479	ng	99
54) 2,4-Dinitrophenol	9.969	184	100714	82.122	ng	96
55) Dibenzofuran	10.092	168	656561	47.687	ng	99
56) 4-Nitrophenol	10.033	139	123520	91.590	ng	91
57) 2,4-Dinitrotoluene	10.086	165	159676	48.394	ng	99
58) Fluorene	10.433	166	544838	47.967	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	137629	52.476	ng	98
60) Diethylphthalate	10.304	149	568650	49.991	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	276640	48.486	ng	98
62) 4-Nitroaniline	10.469	138	121509	46.723	ng	99
63) Azobenzene	10.586	77	523765	48.978	ng	98
65) 4,6-Dinitro-2-methylph...	10.504	198	83578	50.064	ng	98
66) n-Nitrosodiphenylamine	10.545	169	473438	52.268	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	164913	50.036	ng	96
68) Hexachlorobenzene	10.986	284	179086	47.925	ng	99
69) Atrazine	11.074	200	154663	61.137	ng	98
70) Pentachlorophenol	11.192	266	135210	98.967	ng	99
71) Phenanthrene	11.398	178	757645	50.009	ng	100
72) Anthracene	11.451	178	767193	51.421	ng	100
73) Carbazole	11.610	167	701020	47.970	ng	100
74) Di-n-butylphthalate	11.927	149	877661	51.173	ng	100
75) Fluoranthene	12.592	202	833711	47.783	ng	100
77) Benzidine	12.716	184	234832	57.559	ng	99
78) Pyrene	12.821	202	838060	47.145	ng	100
80) Butylbenzylphthalate	13.427	149	338997	51.828	ng	100
81) Benzo(a)anthracene	14.015	228	708622	50.017	ng	100
82) 3,3'-Dichlorobenzidine	13.974	252	156443	36.600	ng	99
83) Chrysene	14.051	228	635894	49.359	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	463598	54.968	ng	99
85) Di-n-octyl phthalate	14.604	149	732853	57.436	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	684832	56.798	ng	100
88) Benzo(b)fluoranthene	15.080	252	628735	46.879	ng	99
89) Benzo(k)fluoranthene	15.104	252	560847	48.749	ng	99
90) Benzo(a)pyrene	15.451	252	560284	53.350	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	566580	56.721	ng	99
92) Benzo(g,h,i)perylene	17.468	276	529403	52.074	ng	100

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



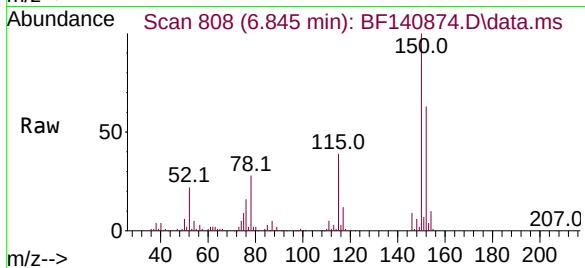
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

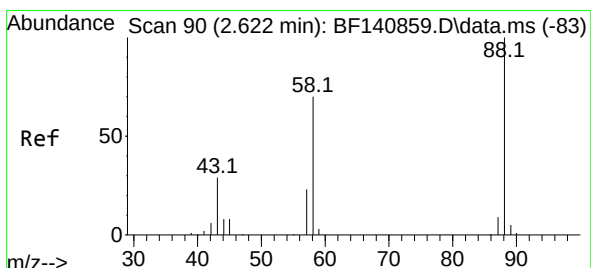
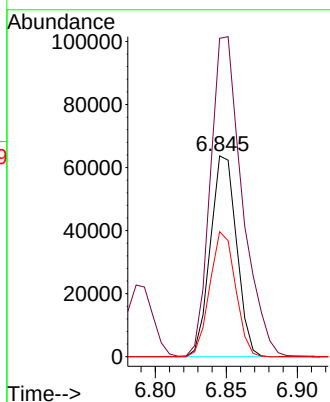
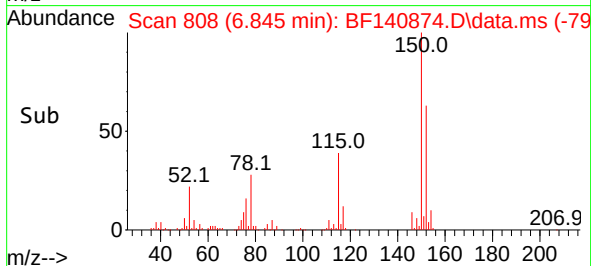


Tgt Ion:152 Resp: 81639
Ion Ratio Lower Upper
152 100
150 158.6 127.9 191.9
115 62.2 48.0 72.0

Manual Integrations

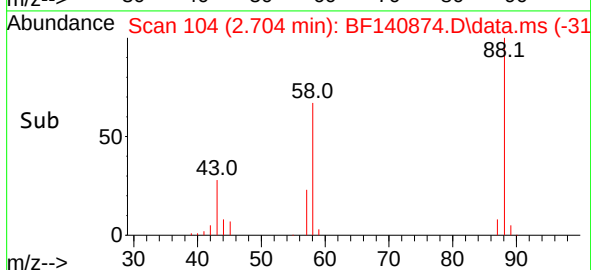
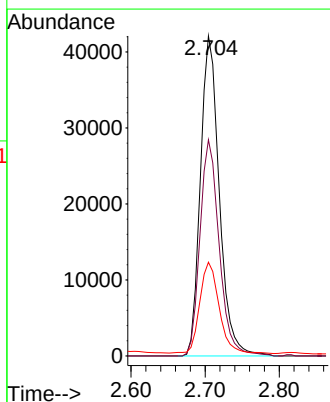
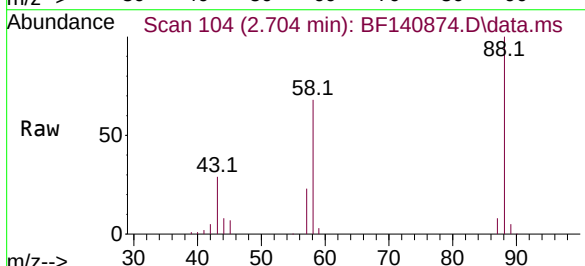
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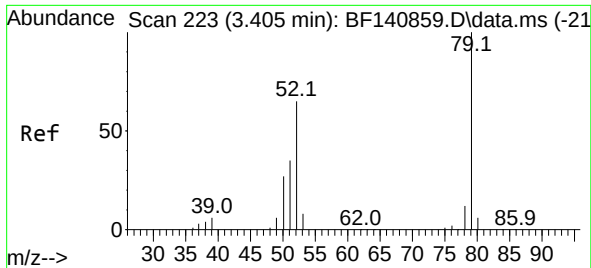
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#2
1,4-Dioxane
Concen: 34.874 ng
RT: 2.704 min Scan# 104
Delta R.T. 0.082 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion: 88 Resp: 74491
Ion Ratio Lower Upper
88 100
58 68.8 55.8 83.8
43 29.6 22.7 34.1





#3

Pyridine

Concen: 42.520 ng

RT: 3.481 min Scan# 21

Delta R.T. 0.076 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

Tgt Ion: 79 Resp: 21033

Ion Ratio Lower Upper

79 100

52 64.2 51.7 77.5

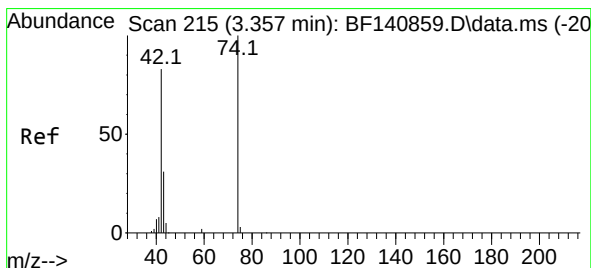
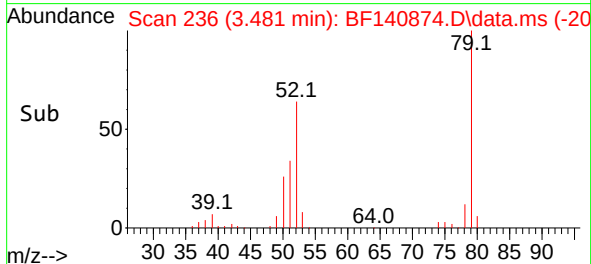
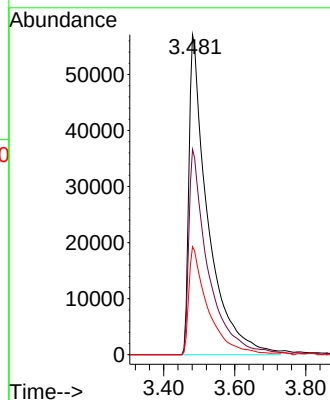
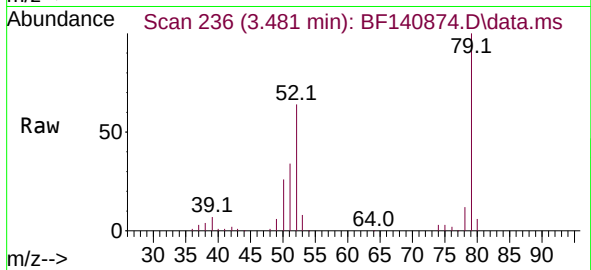
51 33.8 28.2 42.4

Manual Integrations

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Supervised By :mohammad ahmed 12/18/2024



#4

n-Nitrosodimethylamine

Concen: 45.322 ng

RT: 3.428 min Scan# 227

Delta R.T. 0.070 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

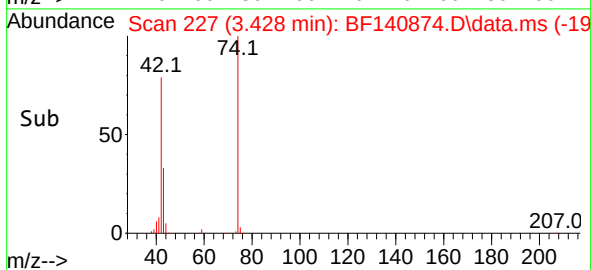
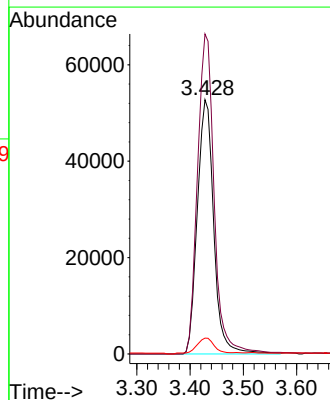
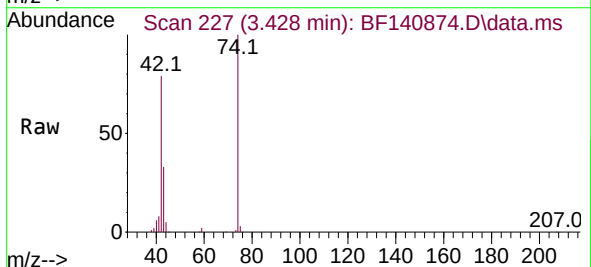
Tgt Ion: 42 Resp: 113022

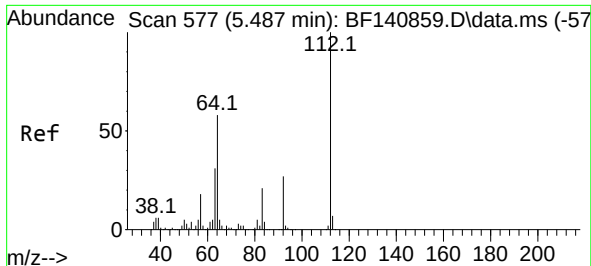
Ion Ratio Lower Upper

42 100

74 125.9 96.9 145.3

44 6.2 4.4 6.6





#5
2-Fluorophenol
Concen: 138.446 ng
RT: 5.498 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

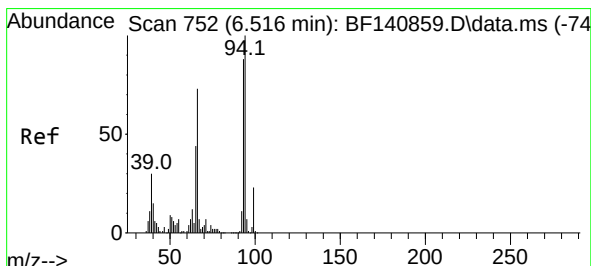
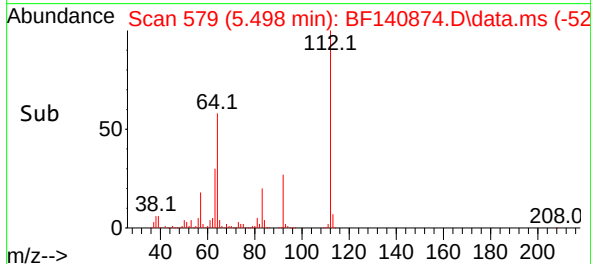
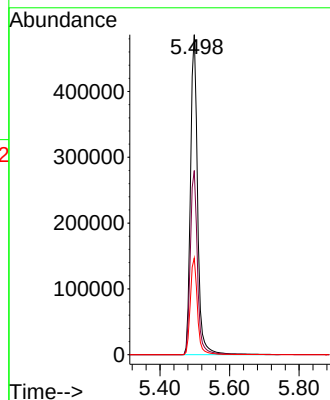
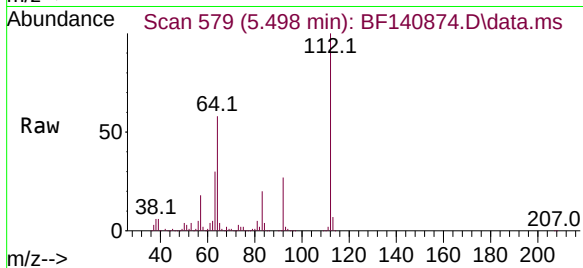
ClientSampleId :

PB165543BS

Tgt Ion:112 Resp: 68655
Ion Ratio Lower Upper
112 100
64 57.6 46.1 69.1
63 30.2 24.9 37.3

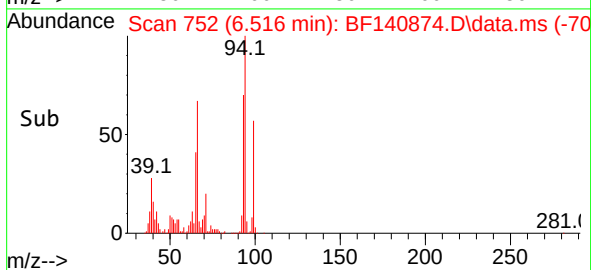
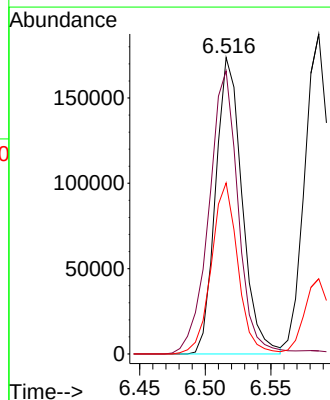
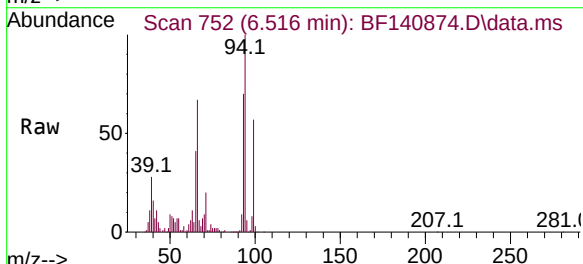
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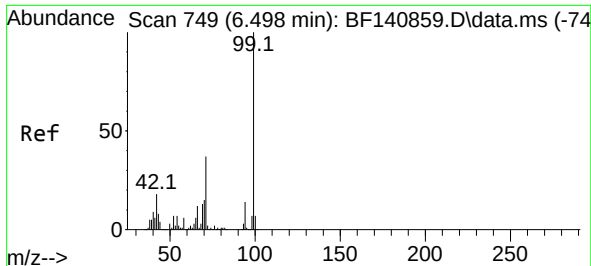
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#6
Aniline
Concen: 43.457 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

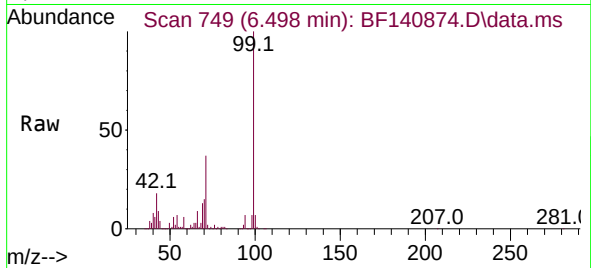
Tgt Ion: 93 Resp: 244057
Ion Ratio Lower Upper
93 100
66 95.4 67.0 100.4
65 57.7 40.4 60.6





#7
Phenol-d6
Concen: 128.547 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

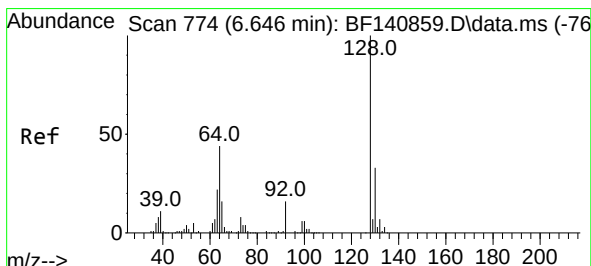
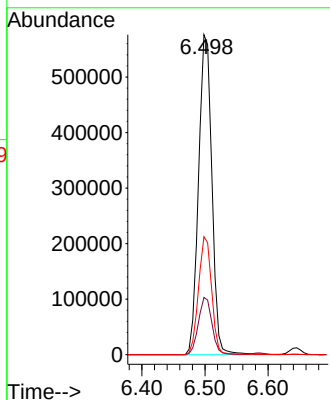
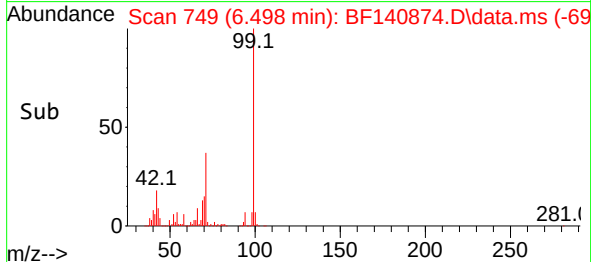
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PB165543BS



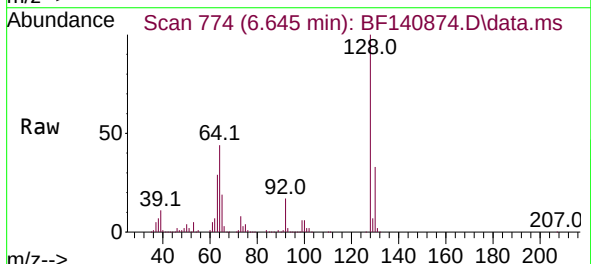
Tgt Ion: 99 Resp: 84433
Ion Ratio Lower Upper
99 100
42 17.9 14.3 21.5
71 36.8 29.9 44.9

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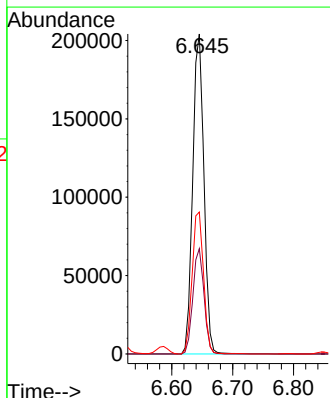
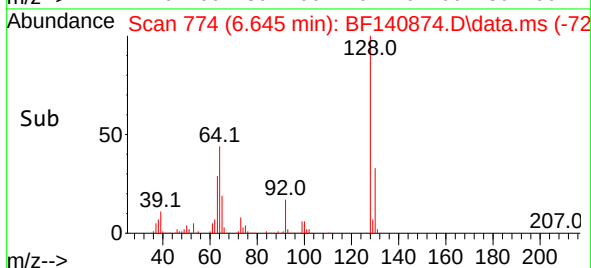
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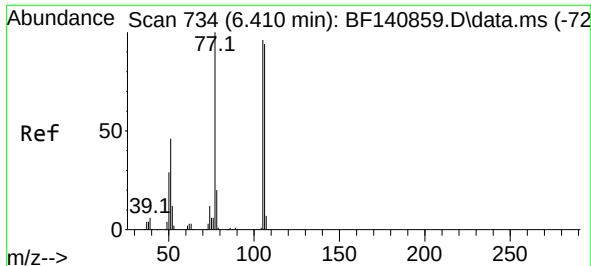


#8
2-Chlorophenol
Concen: 48.179 ng
RT: 6.645 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



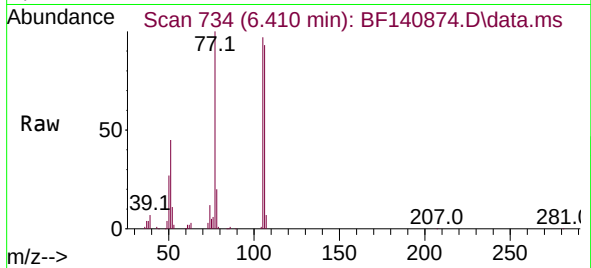
Tgt Ion:128 Resp: 260545
Ion Ratio Lower Upper
128 100
130 32.9 12.9 52.9
64 44.4 24.3 64.3





#9
Benzaldehyde
Concen: 17.823 ng
RT: 6.410 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

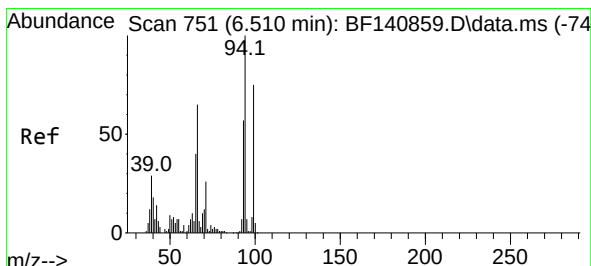
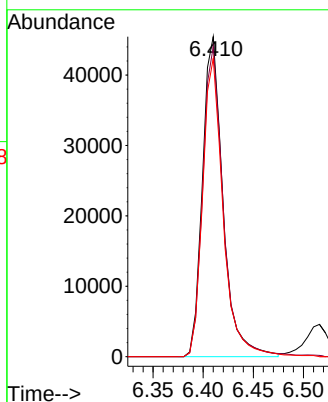
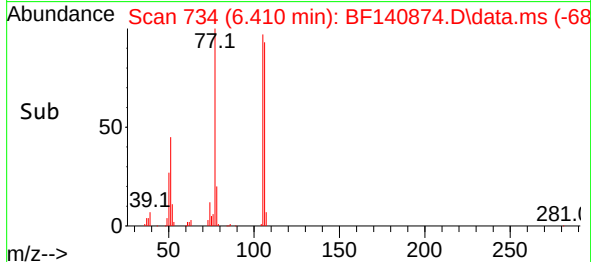
Instrument :
BNA_F
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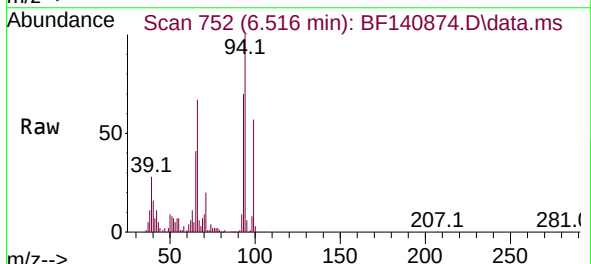
Tgt Ion: 77 Resp: 6486
Ion Ratio Lower Upper
77 100
105 96.9 75.8 115.8
106 93.2 74.1 114.1

Manual Integrations
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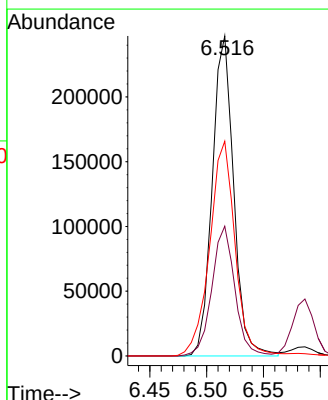
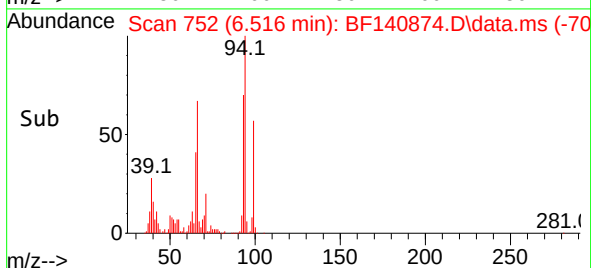
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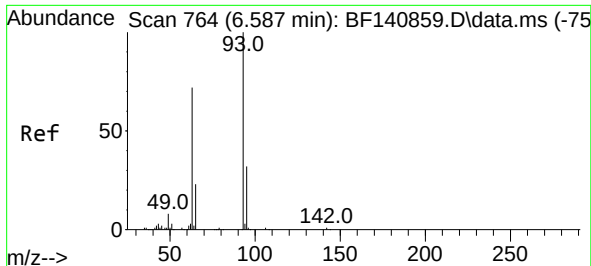


#10
Phenol
Concen: 47.665 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion: 94 Resp: 324485
Ion Ratio Lower Upper
94 100
65 40.6 19.9 59.9
66 67.1 45.6 85.6





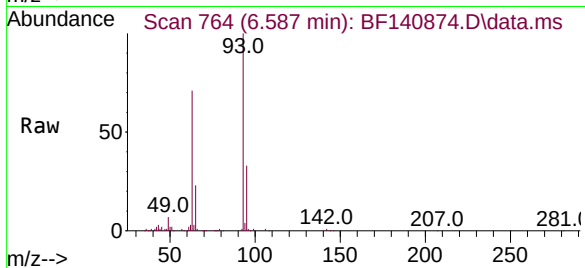
#11
bis(2-Chloroethyl)ether
Concen: 48.607 ng
RT: 6.587 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



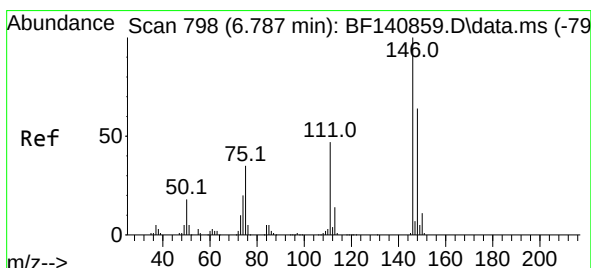
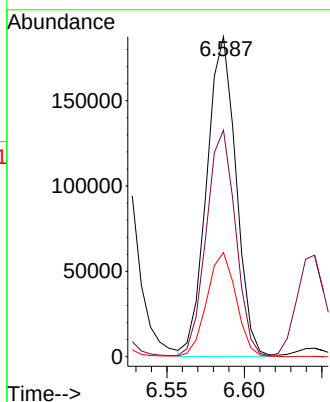
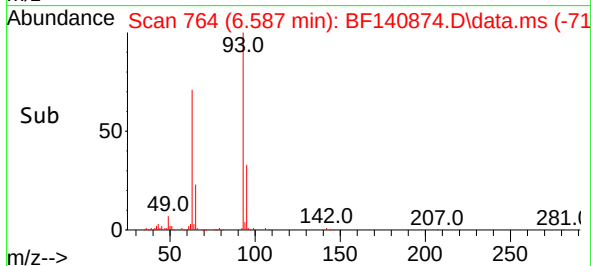
Tgt Ion: 93 Resp: 246770
Ion Ratio Lower Upper
93 100
63 70.8 51.0 91.0
95 32.6 12.0 52.0

Manual Integrations

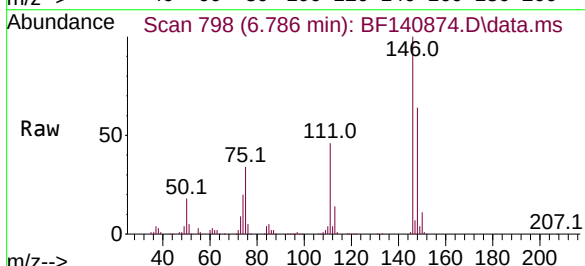
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

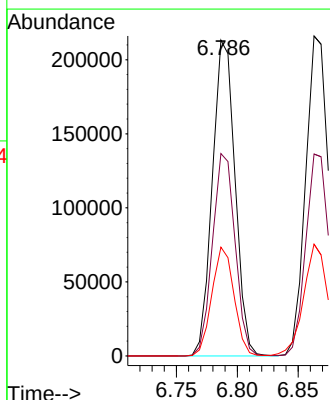
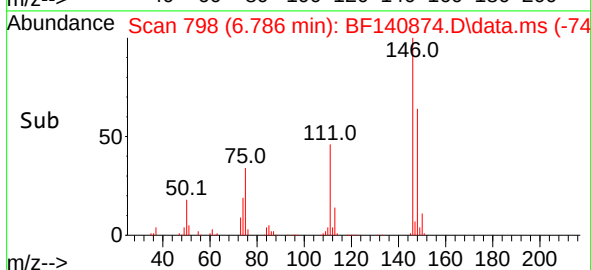
Supervised By :mohammad ahmed 12/18/2024

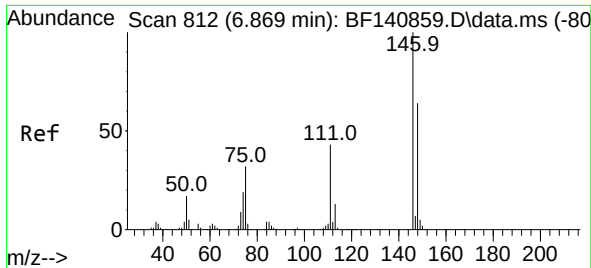


#12
1,3-Dichlorobenzene
Concen: 44.944 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:146 Resp: 276953
Ion Ratio Lower Upper
146 100
148 64.1 51.0 76.6
75 34.4 28.1 42.1





#13
1,4-Dichlorobenzene
Concen: 45.453 ng
RT: 6.863 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

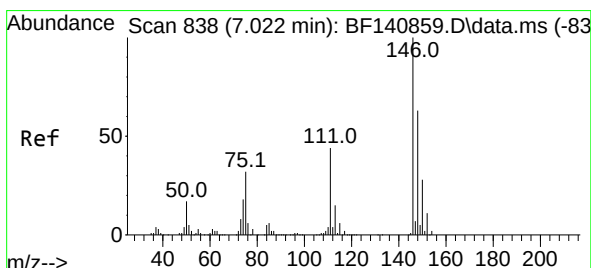
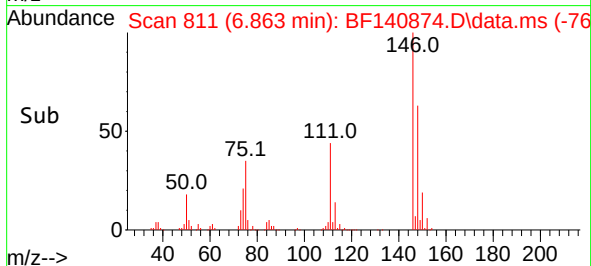
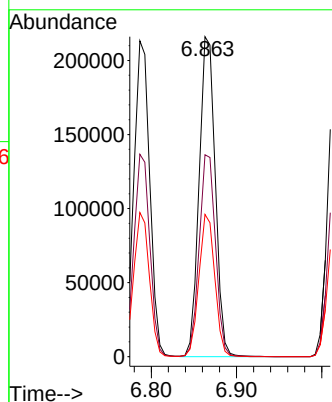
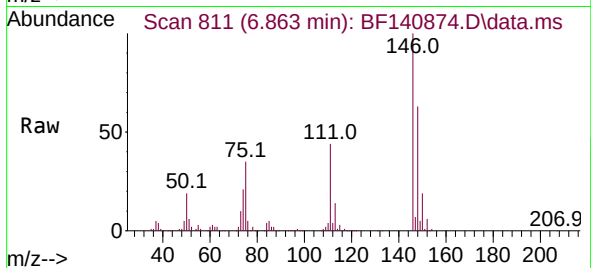
PB165543BS

Tgt Ion:146 Resp: 284308
Ion Ratio Lower Upper
146 100
148 63.1 51.3 76.9
111 44.4 34.4 51.6

Manual Integrations

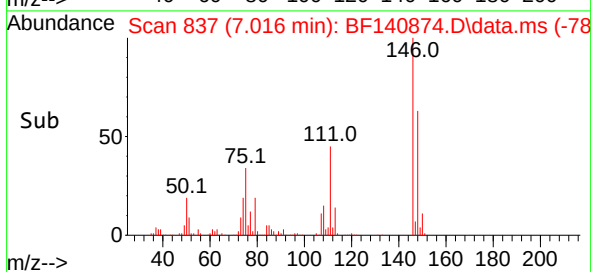
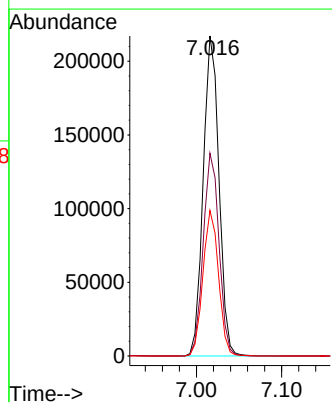
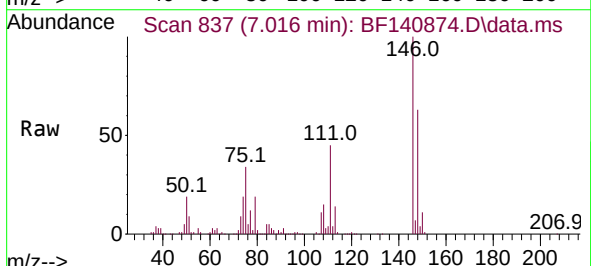
APPROVED

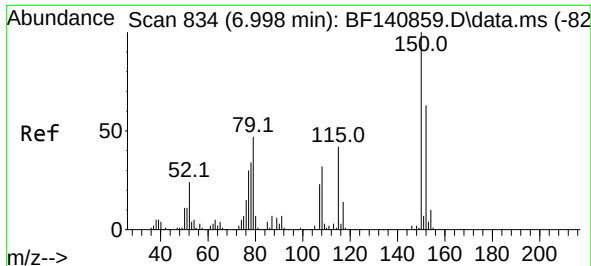
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#14
1,2-Dichlorobenzene
Concen: 47.267 ng
RT: 7.016 min Scan# 837
Delta R.T. -0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

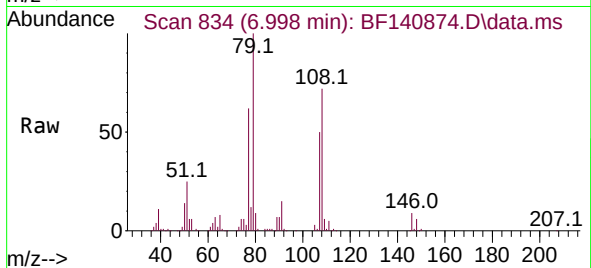
Tgt Ion:146 Resp: 278951
Ion Ratio Lower Upper
146 100
148 63.4 50.0 75.0
111 45.4 35.6 53.4





#15
Benzyl Alcohol
Concen: 51.630 ng
RT: 6.998 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

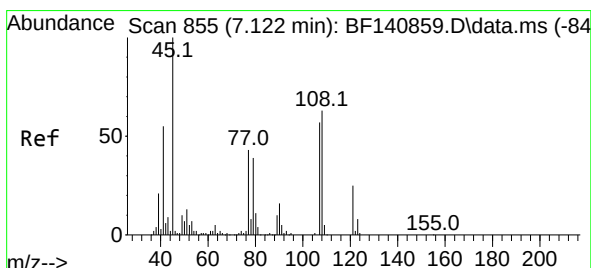
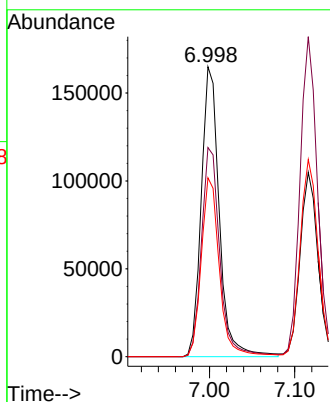
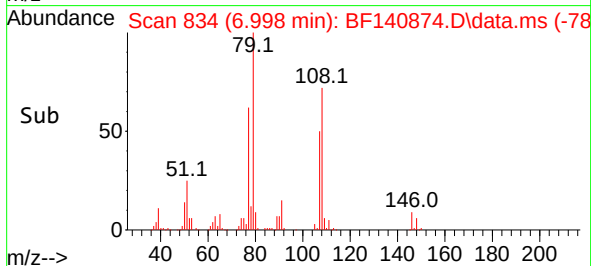
Instrument :
BNA_F
ClientSampleId :
PB165543BS



Tgt Ion: 79 Resp: 242474
Ion Ratio Lower Upper
79 100
108 72.2 55.1 82.7
77 61.7 50.6 76.0

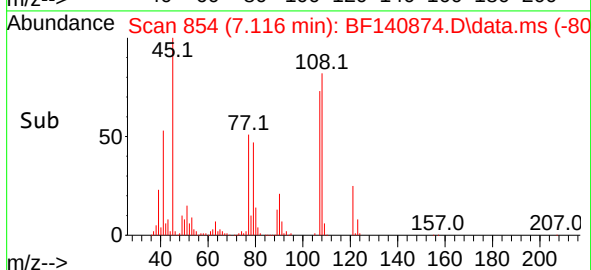
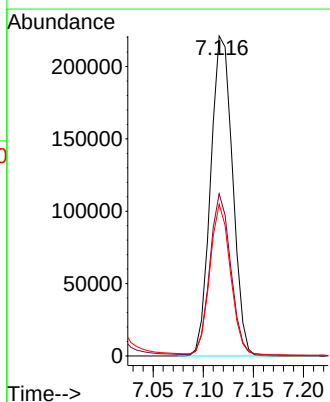
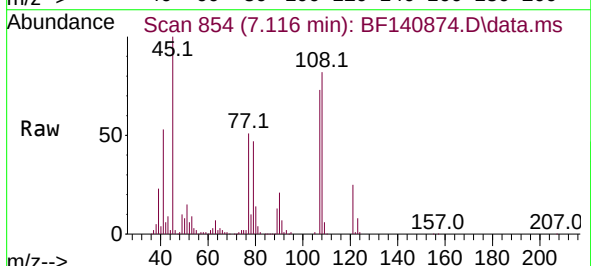
Manual Integrations
APPROVED

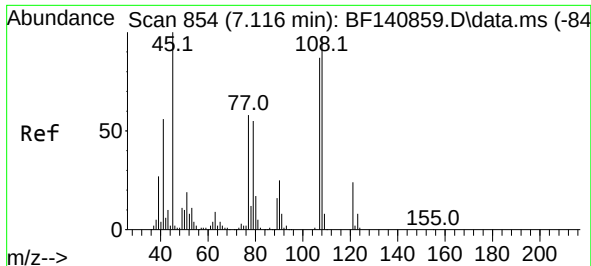
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.246 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion: 45 Resp: 336386
Ion Ratio Lower Upper
45 100
77 50.7 23.3 63.3
79 47.4 20.0 60.0





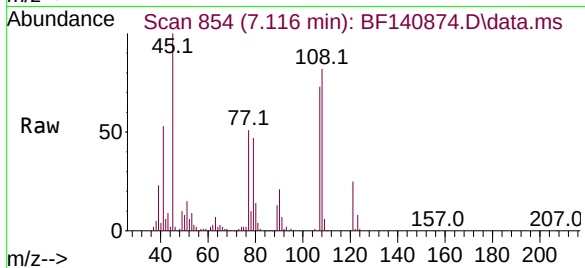
#17
2-Methylphenol
Concen: 52.967 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

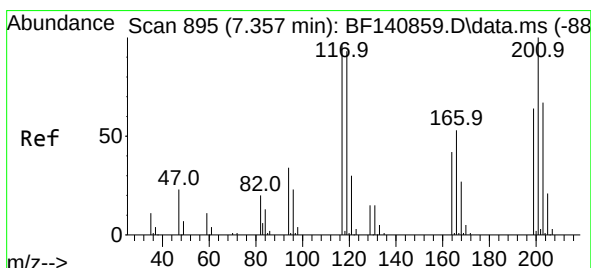
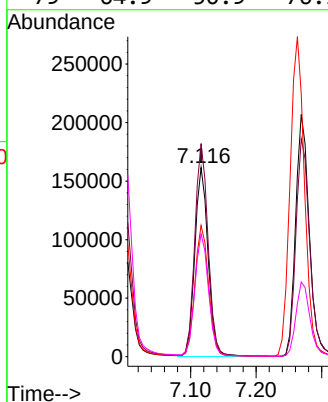
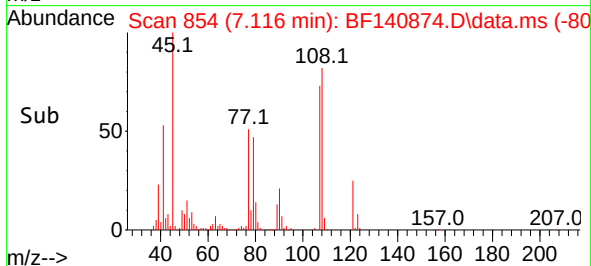


Tgt Ion:107 Resp: 22868
Ion Ratio Lower Upper
107 100
108 112.7 90.2 135.4
77 69.4 53.8 80.6
79 64.9 50.9 76.3

Manual Integrations

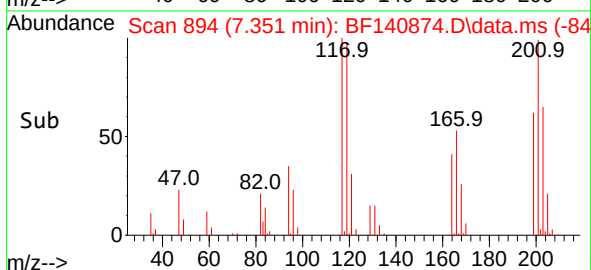
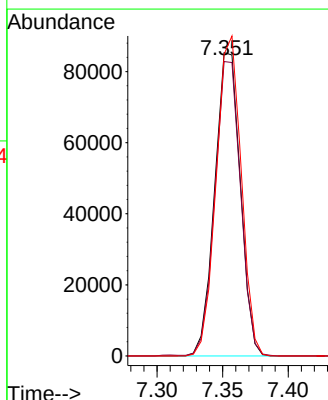
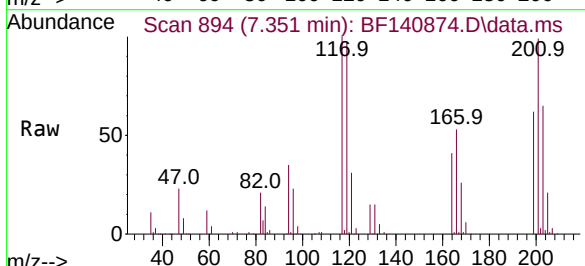
APPROVED

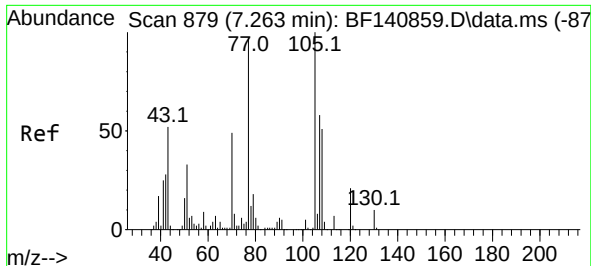
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#18
Hexachloroethane
Concen: 49.794 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:117 Resp: 115950
Ion Ratio Lower Upper
117 100
119 97.0 77.4 116.0
201 99.5 83.4 125.0





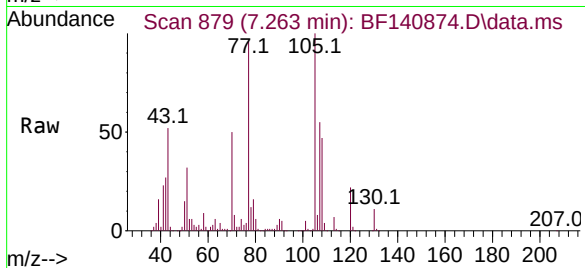
#19
n-Nitroso-di-n-propylamine
Concen: 52.839 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

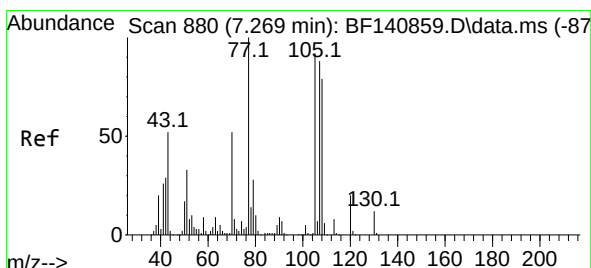
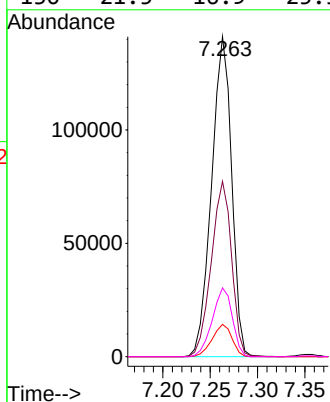
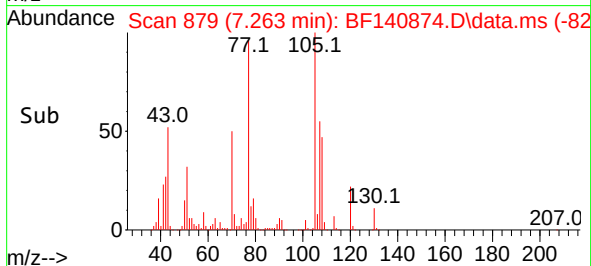


Tgt Ion: 70 Resp: 208180
Ion Ratio Lower Upper
70 100
42 54.8 45.3 67.9
101 10.1 8.0 12.0
130 21.5 16.9 25.3

Manual Integrations

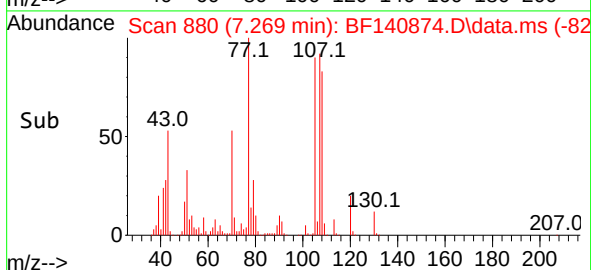
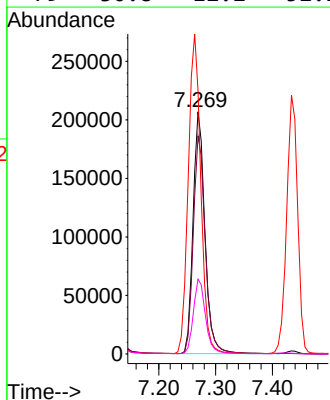
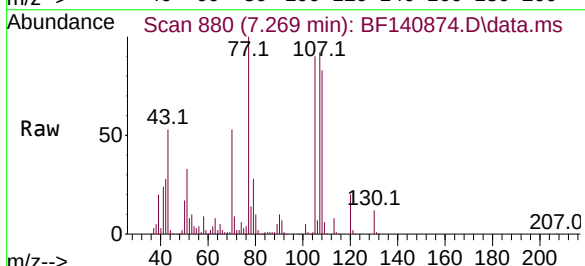
APPROVED

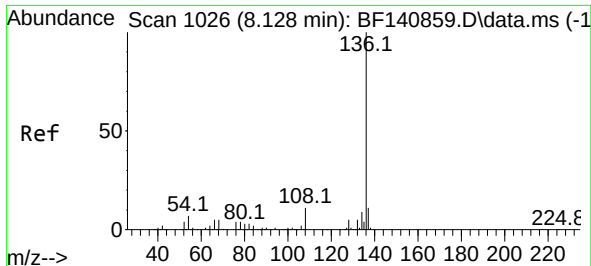
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#20
3+4-Methylphenols
Concen: 52.497 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:107 Resp: 300552
Ion Ratio Lower Upper
107 100
108 89.9 70.1 110.1
77 108.5 94.4 134.4
79 30.8 12.2 52.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

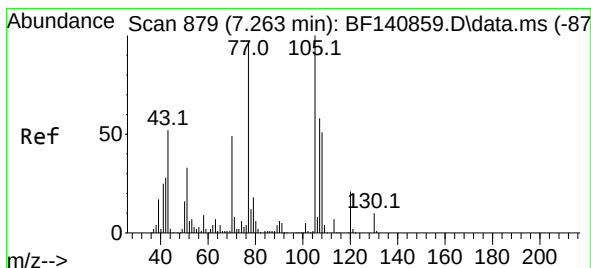
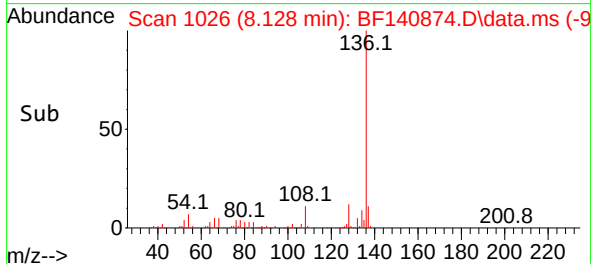
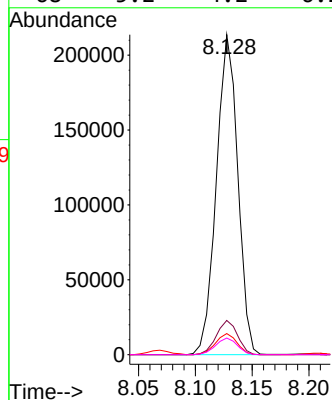
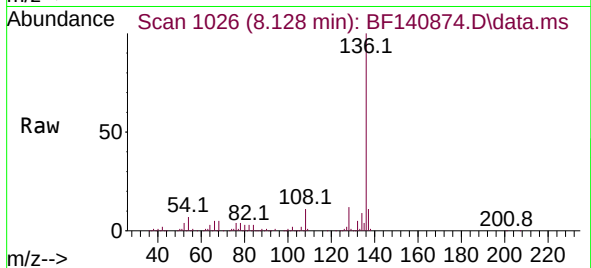
PB165543BS

Tgt Ion:136 Resp: 280592
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.6 5.6 8.4
68 5.2 4.2 6.2

Manual Integrations

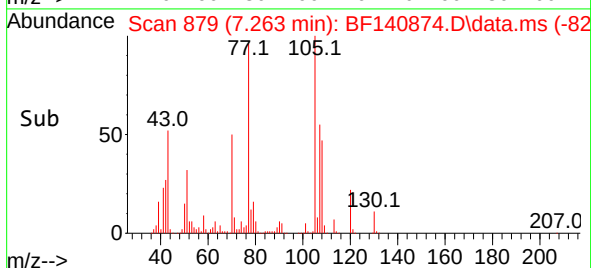
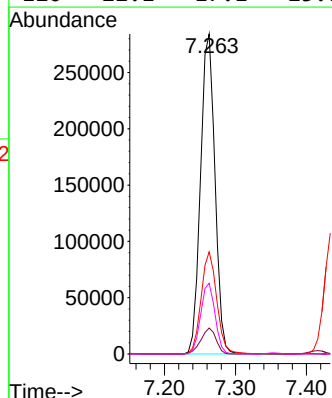
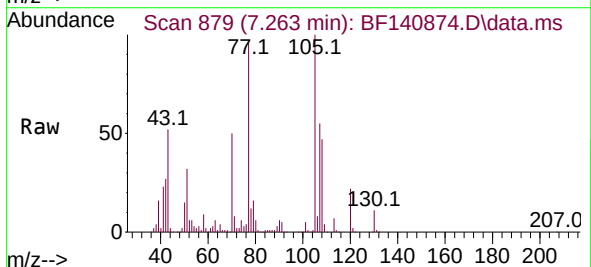
APPROVED

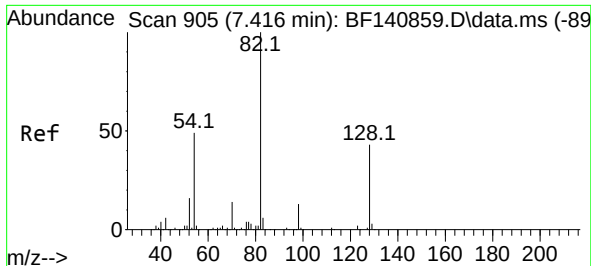
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#22
Acetophenone
Concen: 57.412 ng
RT: 7.263 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:105 Resp: 402979
Ion Ratio Lower Upper
105 100
71 8.1 6.2 9.4
51 31.9 26.3 39.5
120 22.1 17.1 25.7





#23

Nitrobenzene-d5

Concen: 103.595 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

Tgt Ion: 82 Resp: 580990

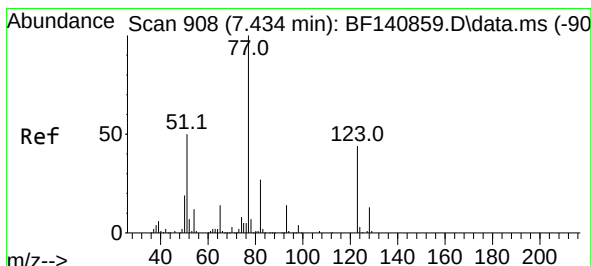
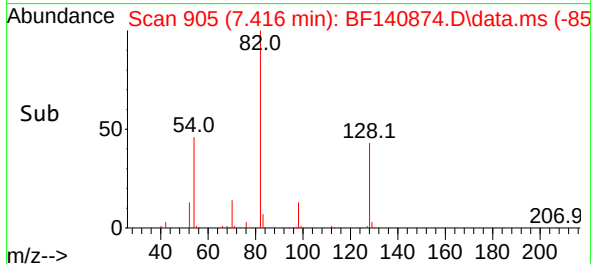
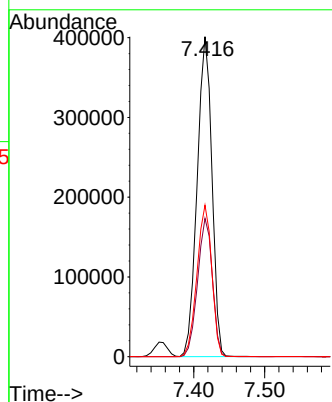
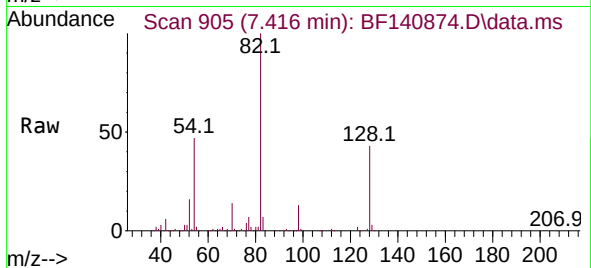
Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.4	51.6
54	47.4	38.8	58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#24

Nitrobenzene

Concen: 51.633 ng

RT: 7.434 min Scan# 908

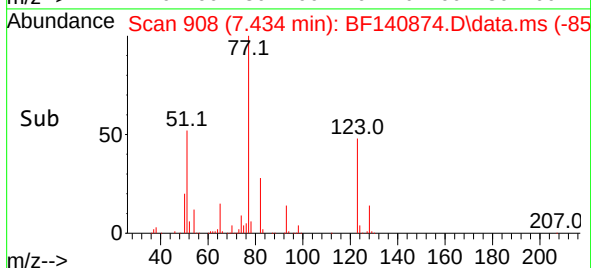
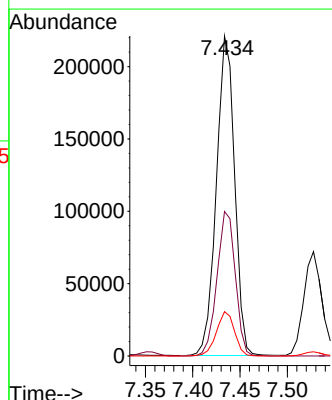
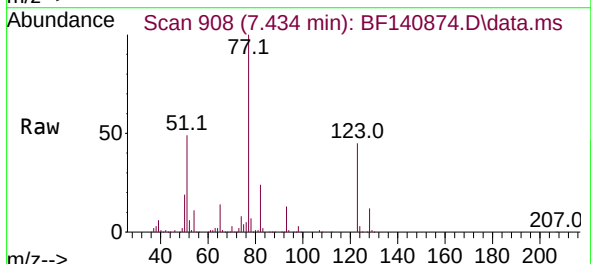
Delta R.T. -0.000 min

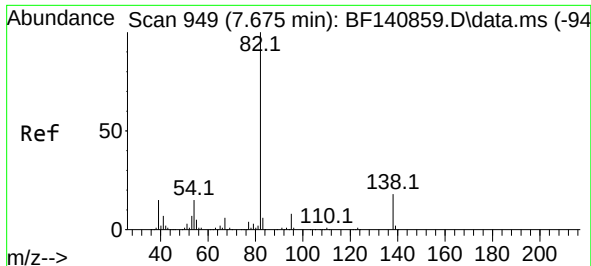
Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Tgt Ion: 77 Resp: 296663

Ion	Ratio	Lower	Upper
77	100		
123	45.2	35.0	52.4
65	13.9	11.4	17.0





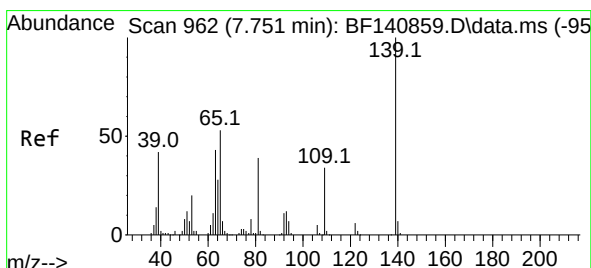
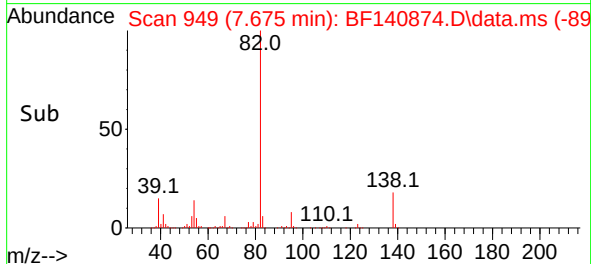
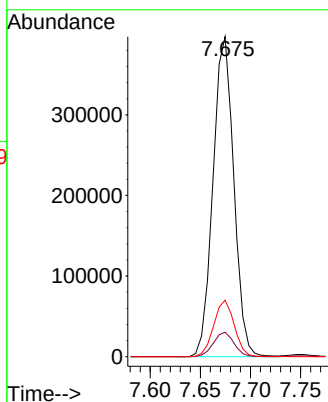
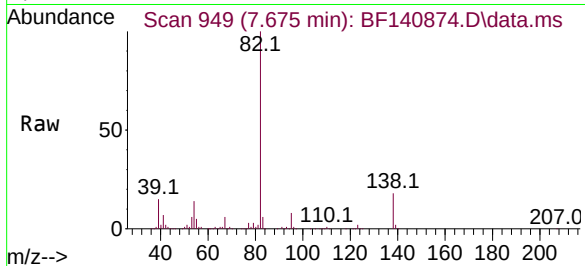
#25
Isophorone
Concen: 60.851 ng
RT: 7.675 min Scan# 949
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :
BNA_F
ClientSampleId :
PB165543BS

Tgt Ion: 82 Resp: 57182
Ion Ratio Lower Upper
82 100
95 7.6 6.3 9.5
138 17.6 14.1 21.1

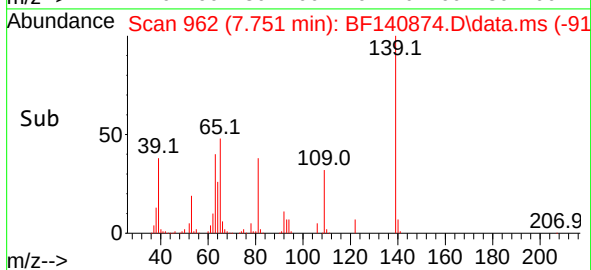
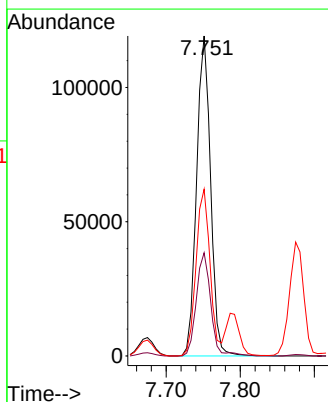
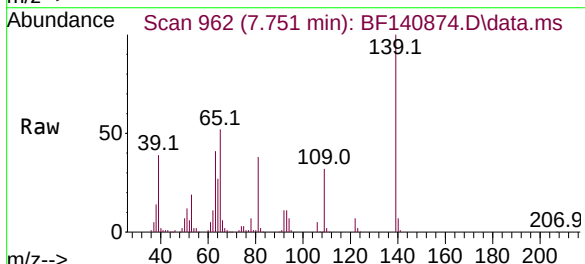
Manual Integrations
APPROVED

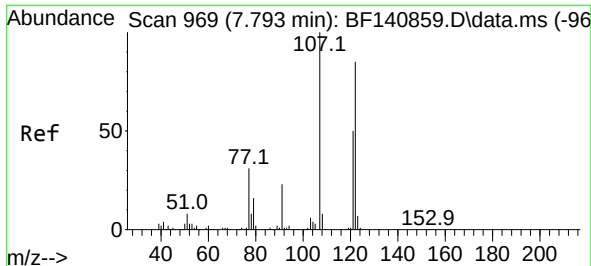
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#26
2-Nitrophenol
Concen: 59.001 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:139 Resp: 156129
Ion Ratio Lower Upper
139 100
109 32.3 26.9 40.3
65 52.1 42.6 64.0





#27
2,4-Dimethylphenol
Concen: 66.125 ng
RT: 7.792 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

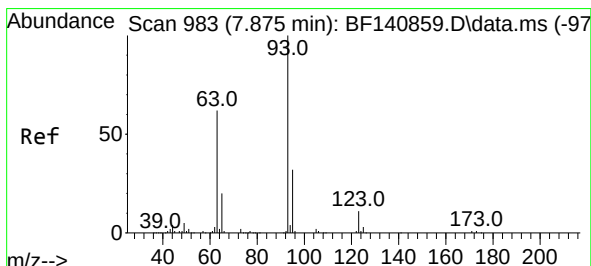
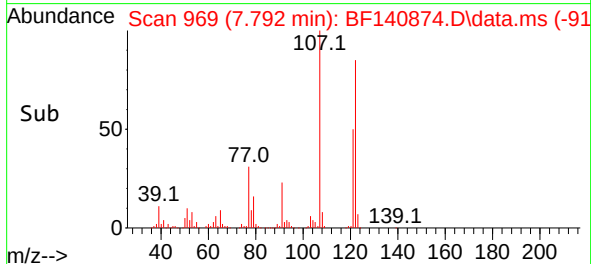
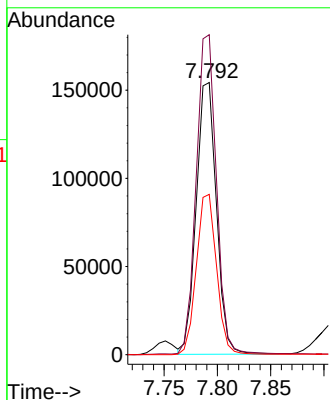
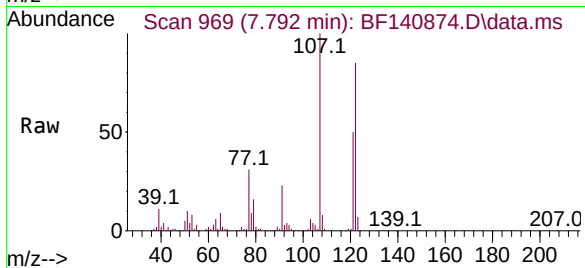
PB165543BS

Tgt Ion:122 Resp: 204352
Ion Ratio Lower Upper
122 100
107 117.6 92.6 139.0
121 58.9 45.8 68.8

Manual Integrations

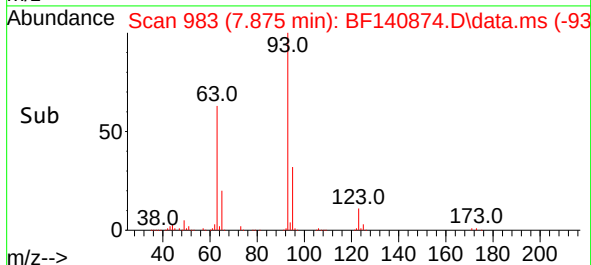
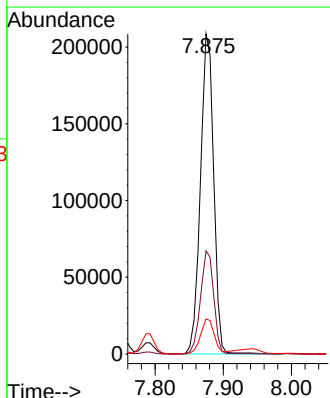
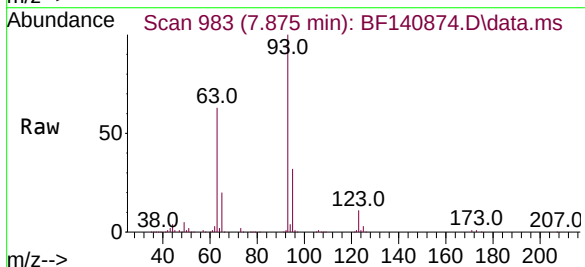
APPROVED

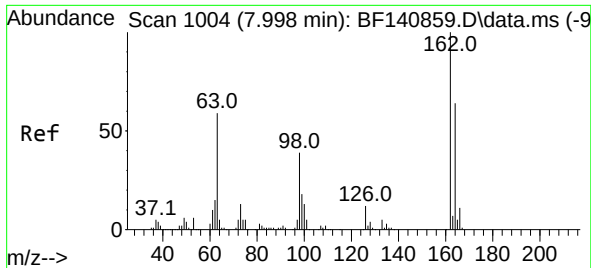
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#28
bis(2-Chloroethoxy)methane
Concen: 47.994 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion: 93 Resp: 281687
Ion Ratio Lower Upper
93 100
95 32.2 25.3 37.9
123 11.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 48.066 ng

RT: 7.998 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

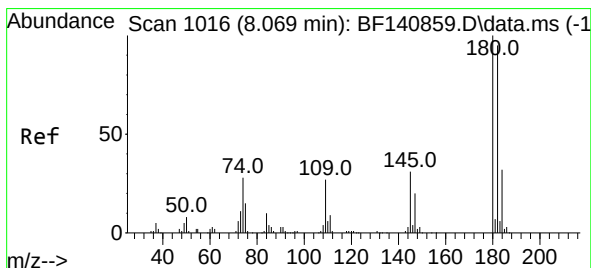
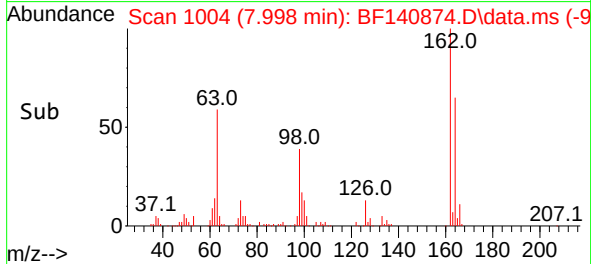
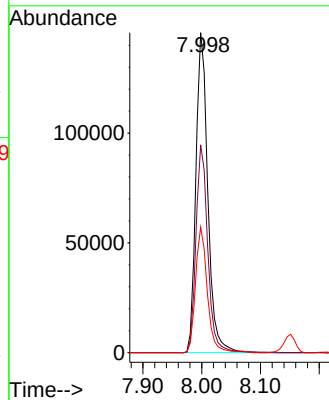
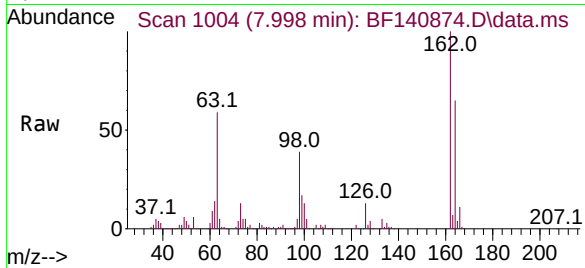
Tgt Ion:162 Resp: 20507
 Ion Ratio Lower Upper
 162 100
 164 64.9 43.7 83.7
 98 39.3 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#30

1,2,4-Trichlorobenzene

Concen: 43.758 ng

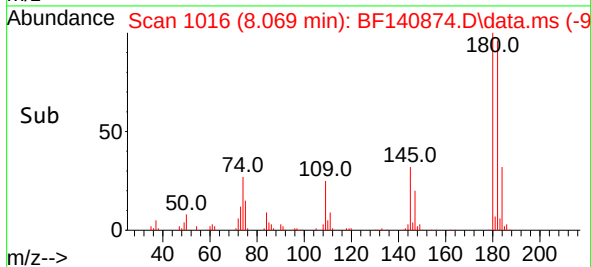
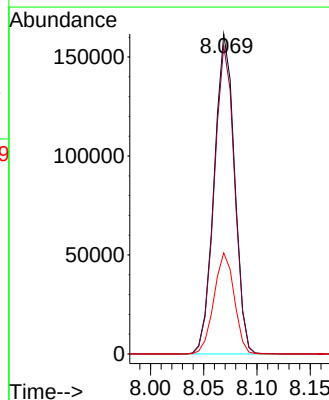
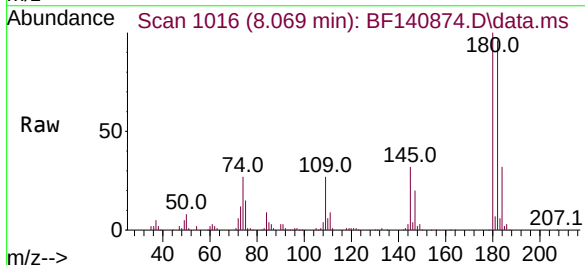
RT: 8.069 min Scan# 1016

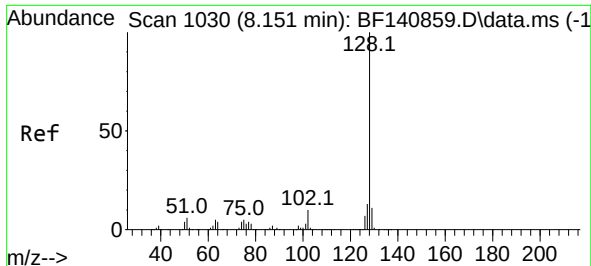
Delta R.T. -0.000 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Tgt Ion:180 Resp: 214023
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.8 113.6
 145 31.6 25.2 37.8





#31
Naphthalene
Concen: 45.794 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

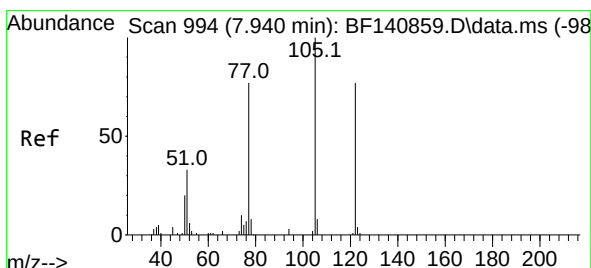
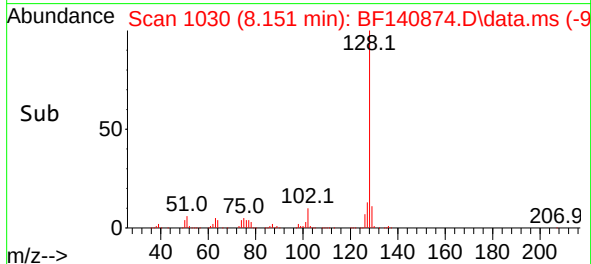
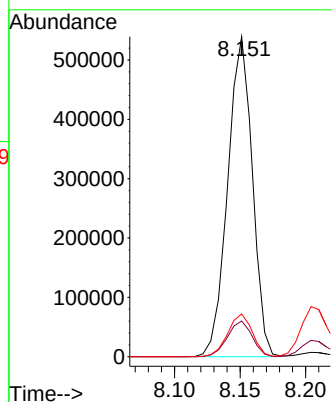
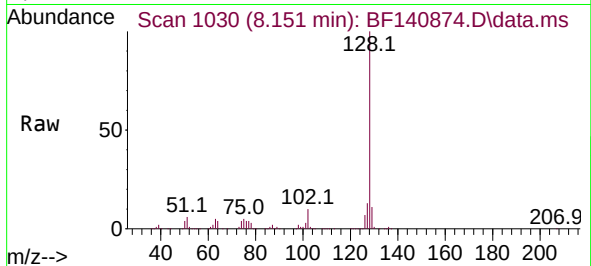
ClientSampleId :

PB165543BS

Tgt Ion:128 Resp: 70583
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.6 16.0

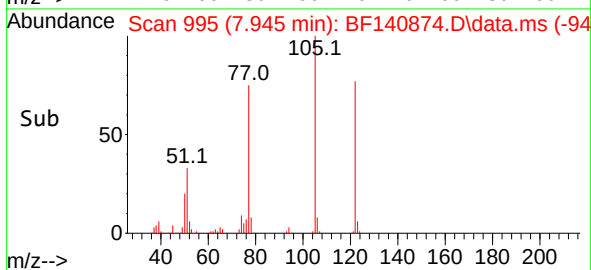
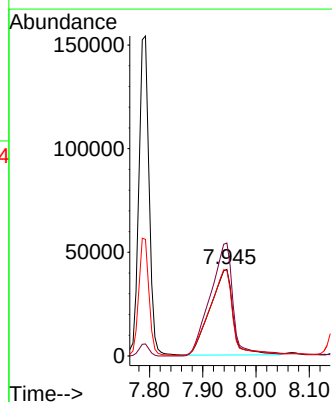
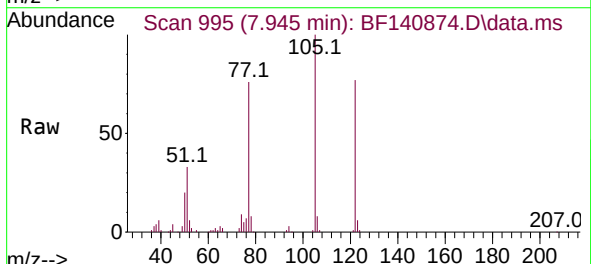
Manual Integrations
APPROVED

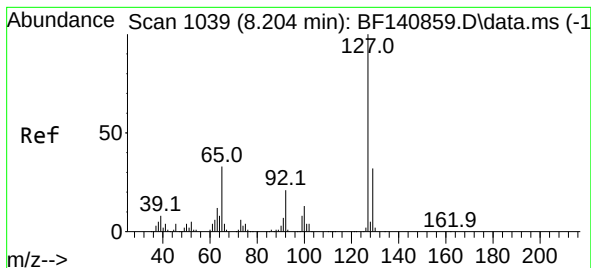
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#32
Benzoic acid
Concen: 42.164 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.005 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:122 Resp: 123579
Ion Ratio Lower Upper
122 100
105 130.4 108.3 148.3
77 98.8 78.8 118.8





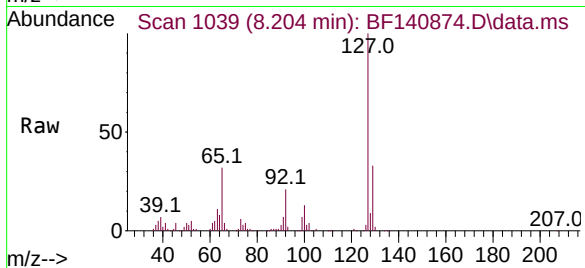
#33
4-Chloroaniline
Concen: 27.144 ng
RT: 8.204 min Scan# 1039
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



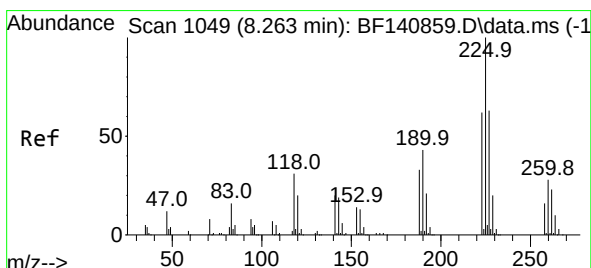
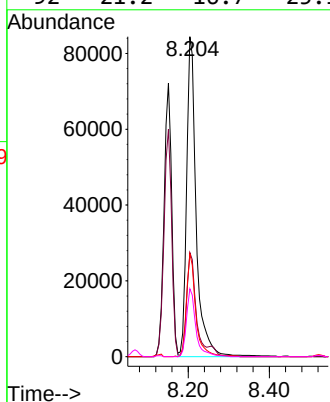
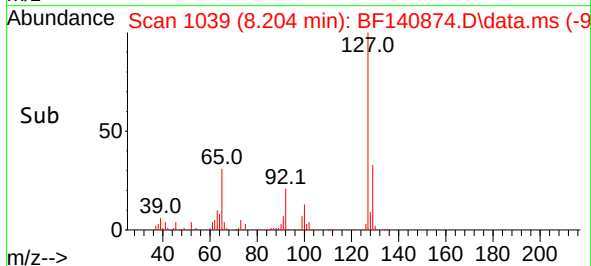
Tgt Ion:127 Resp: 138957
Ion Ratio Lower Upper
127 100
129 32.5 26.0 39.0
65 32.1 26.0 39.0
92 21.2 16.7 25.1

Manual Integrations

APPROVED

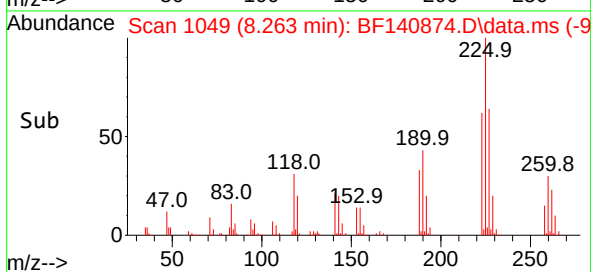
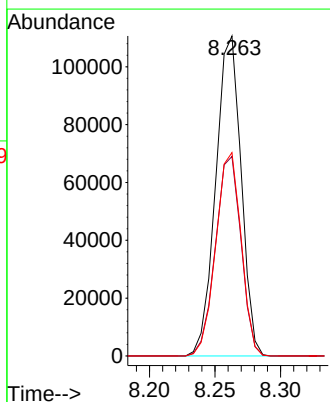
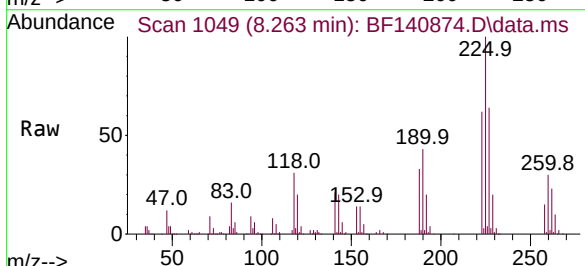
Reviewed By :Yogesh Patel 12/18/2024

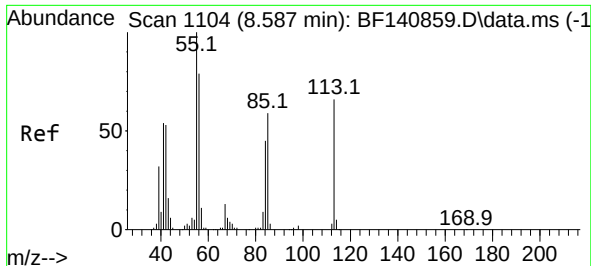
Supervised By :mohammad ahmed 12/18/2024



#34
Hexachlorobutadiene
Concen: 45.266 ng
RT: 8.263 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:225 Resp: 148957
Ion Ratio Lower Upper
225 100
223 62.4 49.6 74.4
227 63.6 50.7 76.1





#35
Caprolactam
Concen: 54.815 ng m
RT: 8.586 min Scan# 1104
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

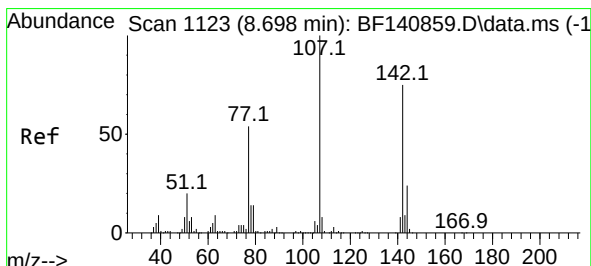
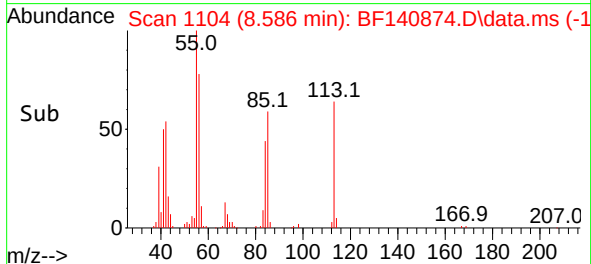
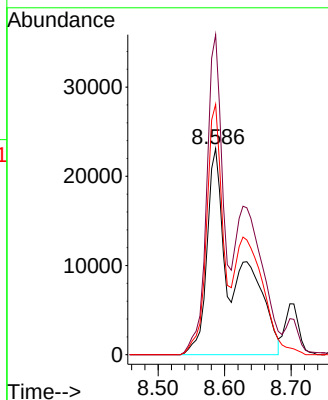
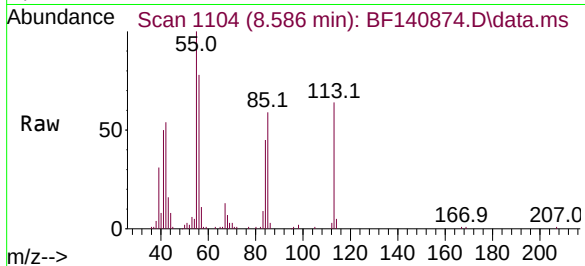
ClientSampleId :

PB165543BS

Tgt Ion:113 Resp: 6962
Ion Ratio Lower Upper
113 100
55 155.3 132.3 172.3
56 121.5 100.3 140.3

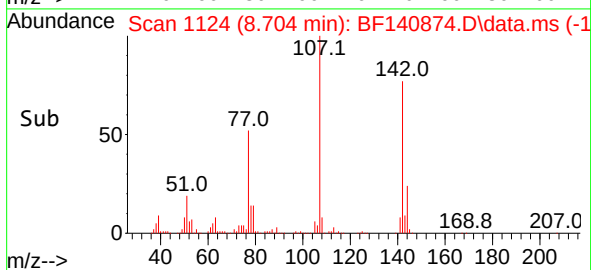
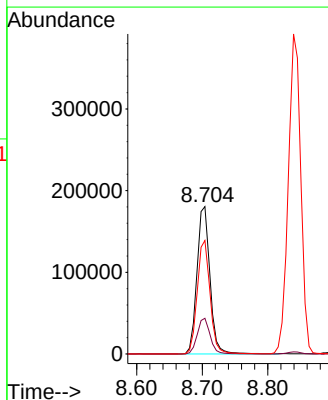
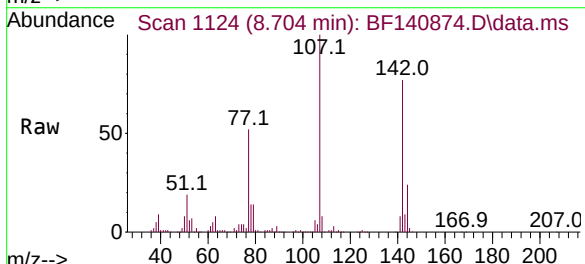
Manual Integrations
APPROVED

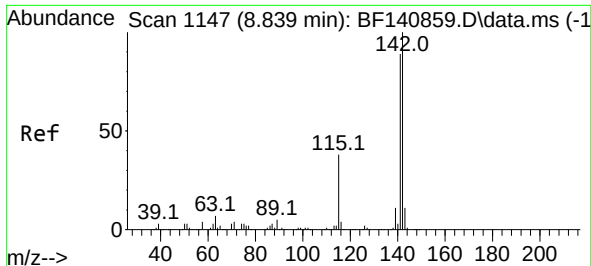
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#36
4-Chloro-3-methylphenol
Concen: 52.098 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:107 Resp: 250182
Ion Ratio Lower Upper
107 100
144 24.2 19.4 29.2
142 76.9 60.3 90.5





#37
2-Methylnaphthalene
Concen: 50.768 ng
RT: 8.839 min Scan# 1147
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

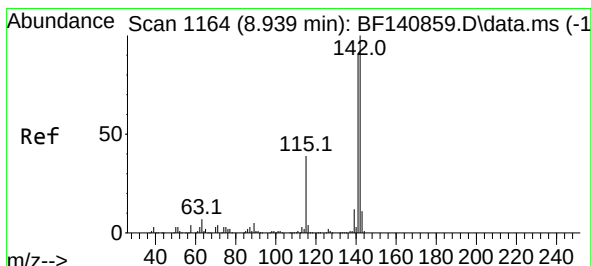
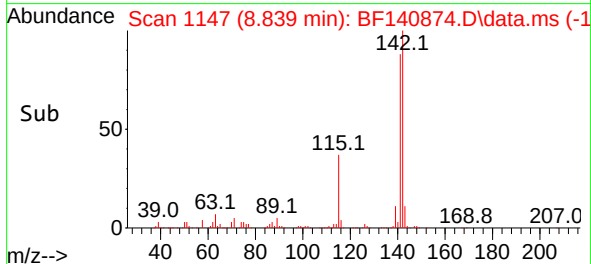
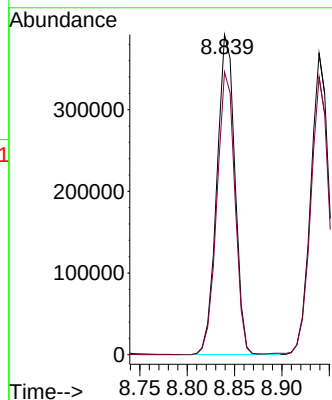
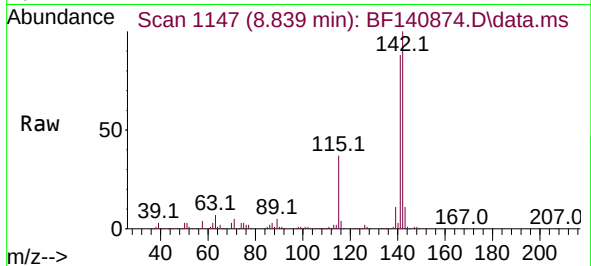
ClientSampleId :

PB165543BS

Tgt Ion:142 Resp: 517620
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.6

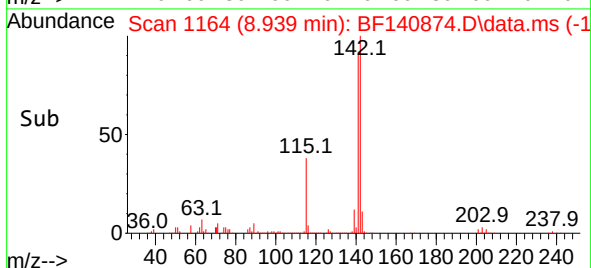
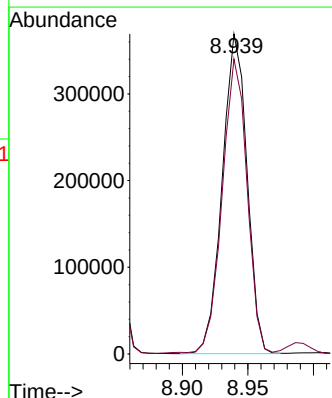
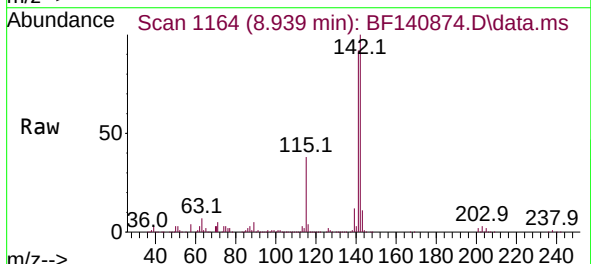
Manual Integrations
APPROVED

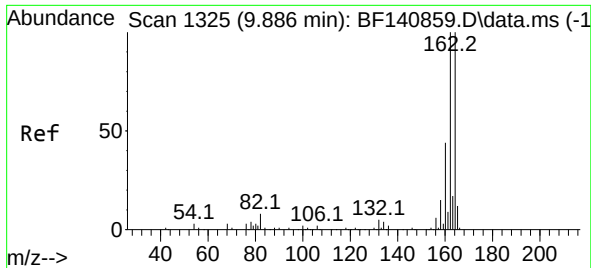
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#38
1-Methylnaphthalene
Concen: 48.050 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:142 Resp: 484509
Ion Ratio Lower Upper
142 100
141 92.2 73.4 110.0





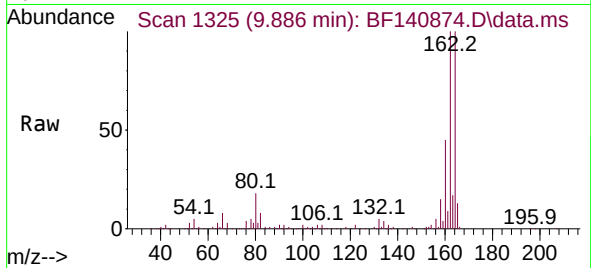
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1175
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



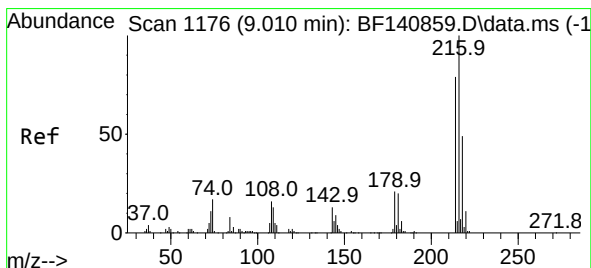
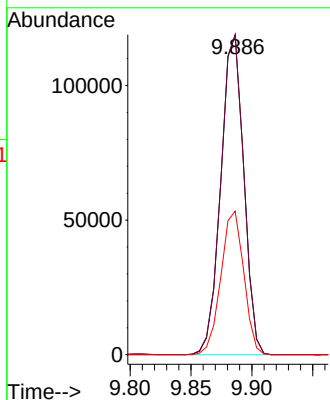
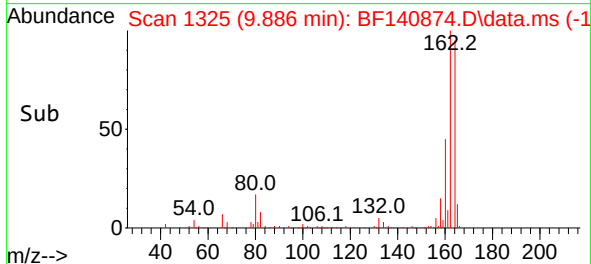
Tgt Ion:164 Resp: 15559
Ion Ratio Lower Upper
164 100
162 100.1 79.9 119.9
160 44.9 35.2 52.8

Manual Integrations

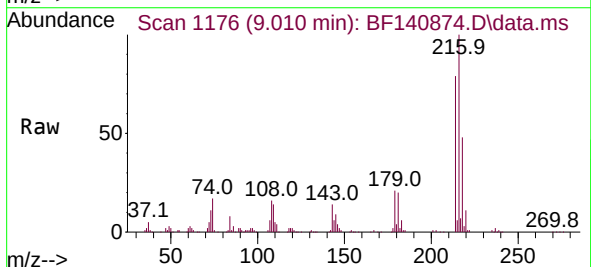
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

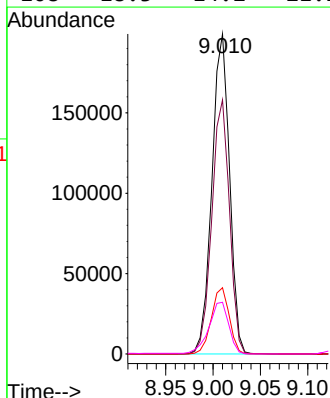
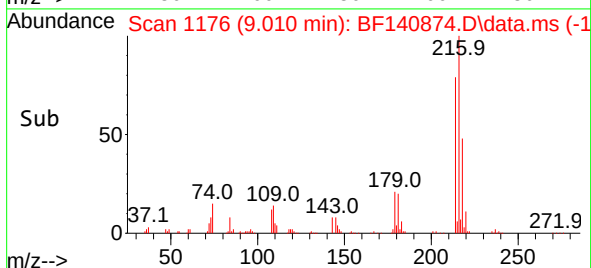
Supervised By :mohammad ahmed 12/18/2024

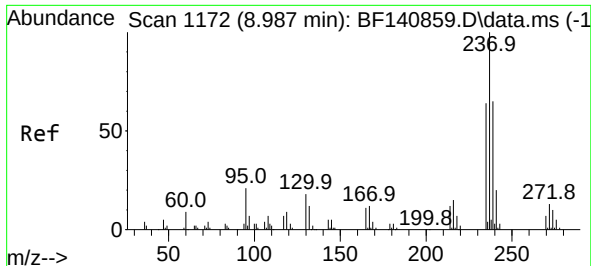


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.857 ng
RT: 9.010 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



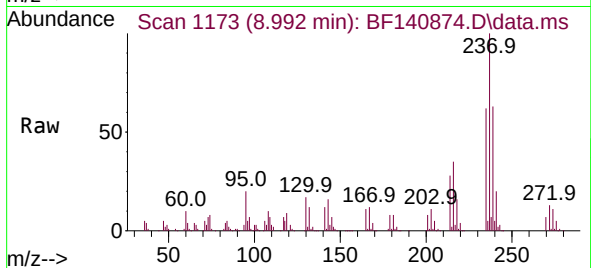
Tgt Ion:216 Resp: 257560
Ion Ratio Lower Upper
216 100
214 79.6 63.6 95.4
179 20.9 17.0 25.4
108 18.3 14.2 21.2





#41
Hexachlorocyclopentadiene
Concen: 78.677 ng
RT: 8.992 min Scan# 1172
Delta R.T. 0.005 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

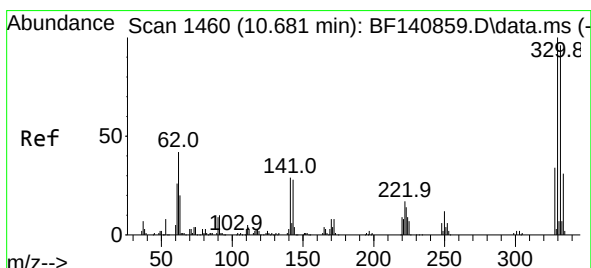
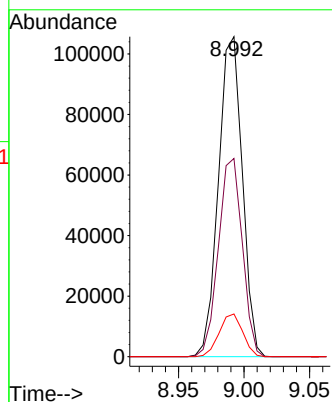
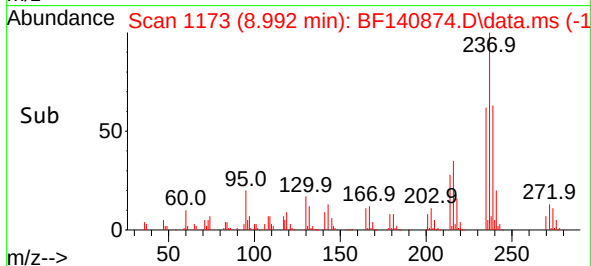
Instrument :
BNA_F
ClientSampleId :
PB165543BS



Tgt Ion:237 Resp: 133819
Ion Ratio Lower Upper
237 100
235 62.0 43.7 83.7
272 13.4 0.0 32.9

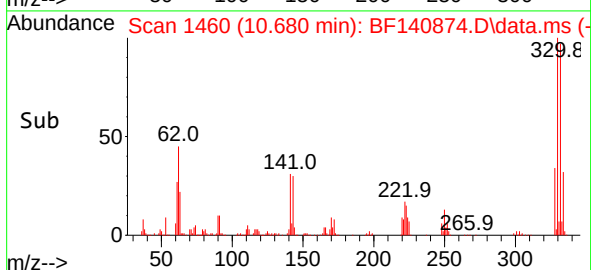
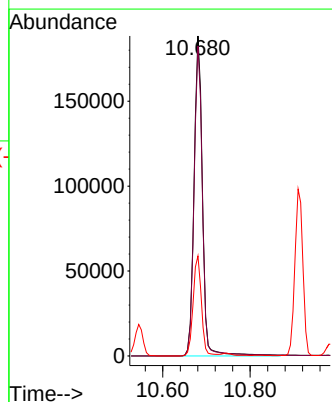
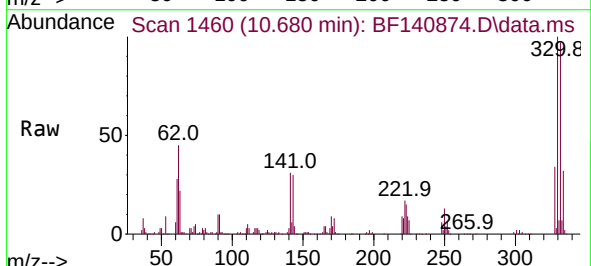
Manual Integrations
APPROVED

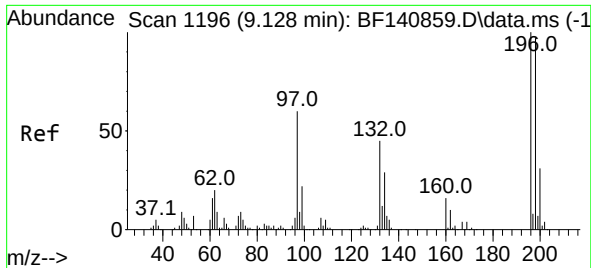
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#42
2,4,6-Tribromophenol
Concen: 137.606 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:330 Resp: 253223
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 30.8 24.9 37.3





#43
2,4,6-Trichlorophenol
Concen: 53.181 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

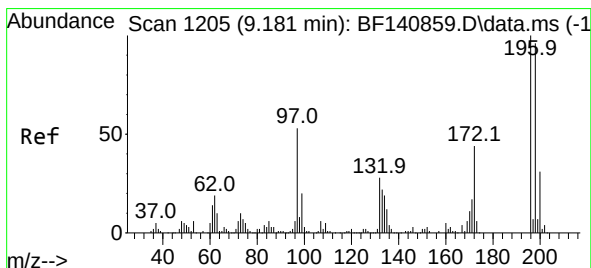
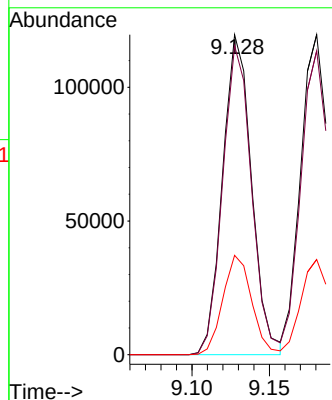
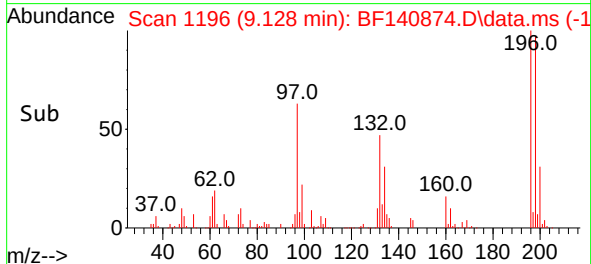
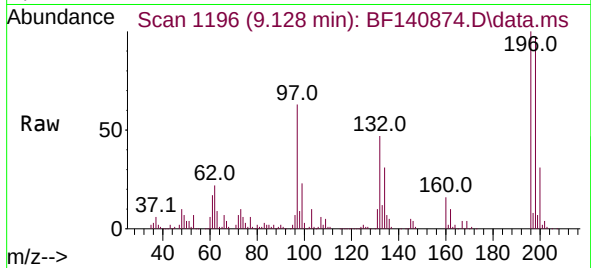
PB165543BS

Tgt Ion:196 Resp: 15573
Ion Ratio Lower Upper
196 100
198 96.5 77.4 116.0
200 31.1 24.5 36.7

Manual Integrations

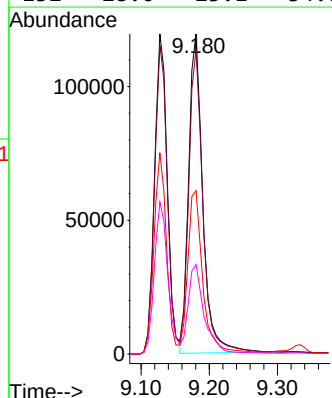
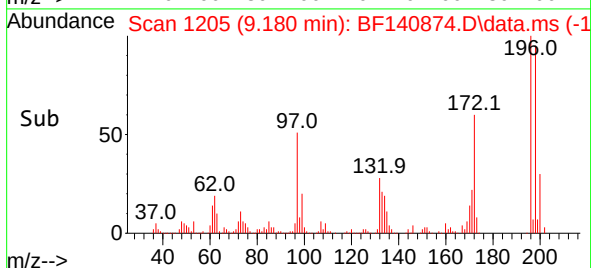
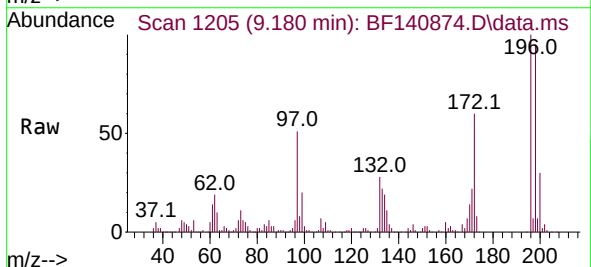
APPROVED

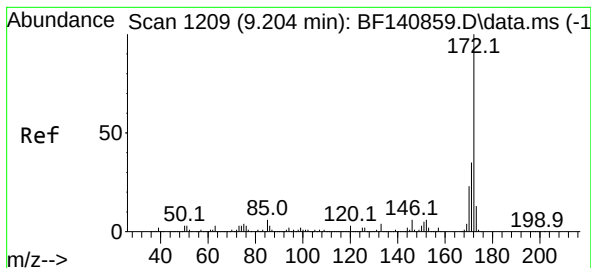
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#44
2,4,5-Trichlorophenol
Concen: 53.309 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:196 Resp: 171580
Ion Ratio Lower Upper
196 100
198 94.9 77.2 115.8
97 51.1 42.2 63.4
132 28.0 23.1 34.7





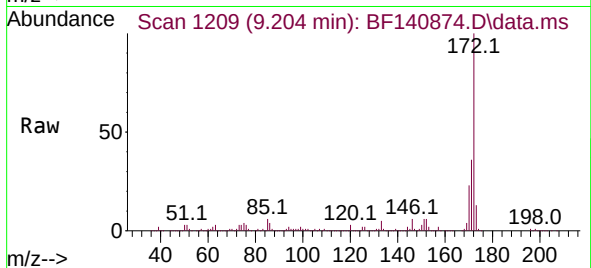
#45
2-Fluorobiphenyl
Concen: 104.499 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



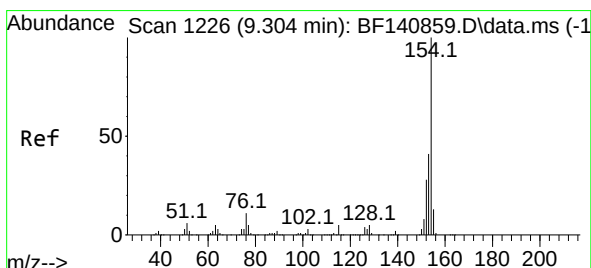
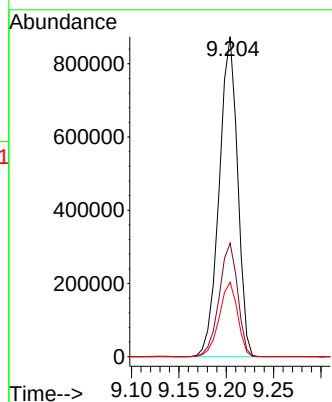
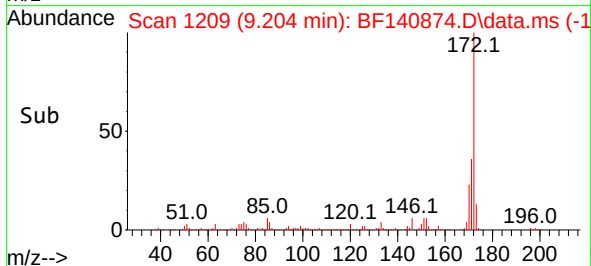
Tgt Ion:172 Resp: 1182609
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.2 18.6 28.0

Manual Integrations

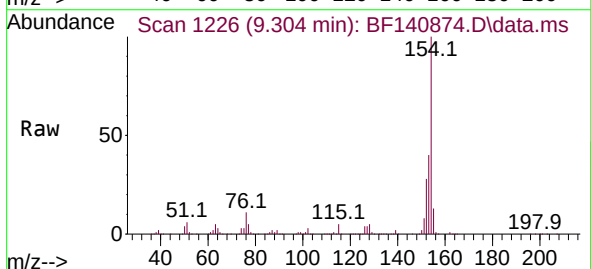
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

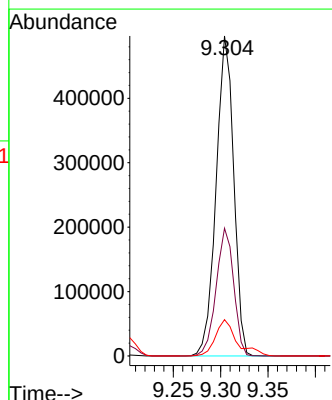
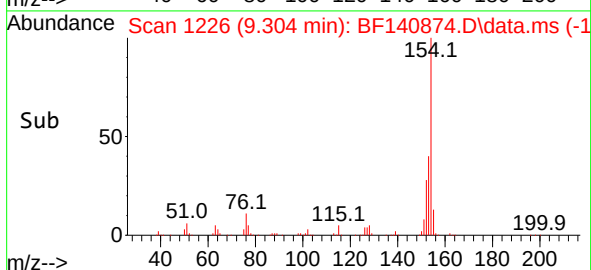
Supervised By :mohammad ahmed 12/18/2024

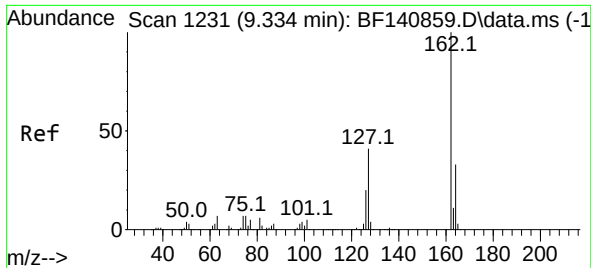


#46
1,1'-Biphenyl
Concen: 51.948 ng
RT: 9.304 min Scan# 1226
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:154 Resp: 642712
Ion Ratio Lower Upper
154 100
153 39.9 20.8 60.8
76 11.4 0.0 31.0





#47
2-Chloronaphthalene
Concen: 49.377 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

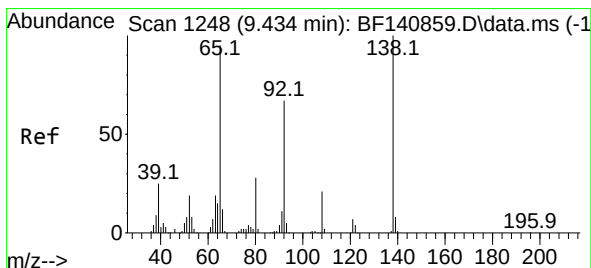
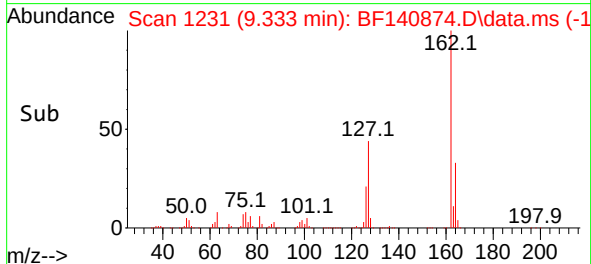
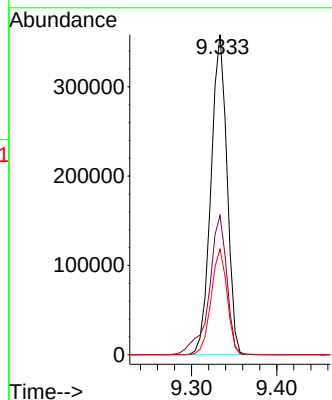
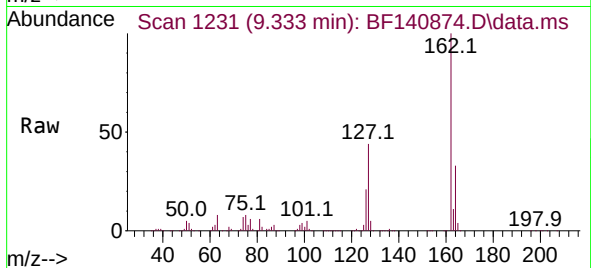
ClientSampleId :

PB165543BS

Tgt Ion:162 Resp: 467359
Ion Ratio Lower Upper
162 100
127 43.5 33.5 50.3
164 33.0 26.2 39.2

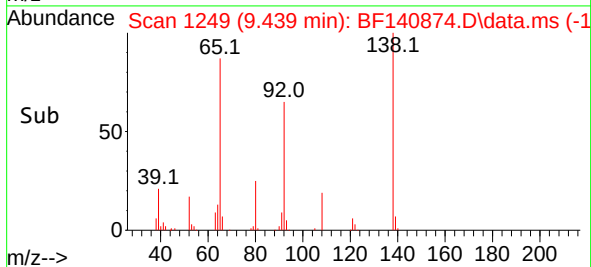
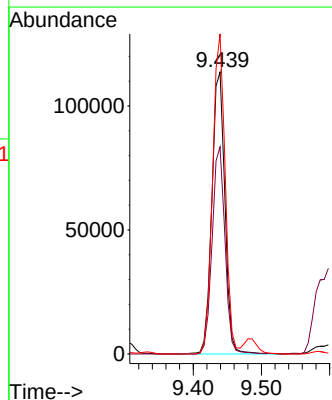
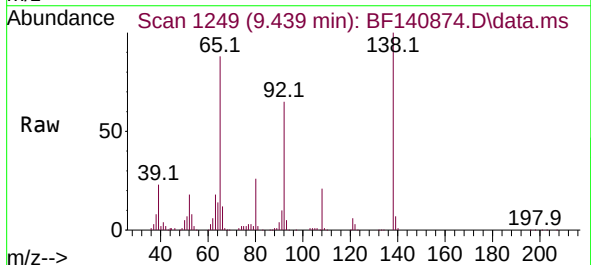
Manual Integrations
APPROVED

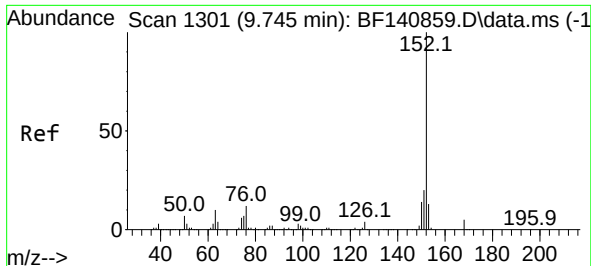
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#48
2-Nitroaniline
Concen: 52.934 ng
RT: 9.439 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion: 65 Resp: 151316
Ion Ratio Lower Upper
65 100
92 73.4 56.3 84.5
138 113.5 83.8 125.6





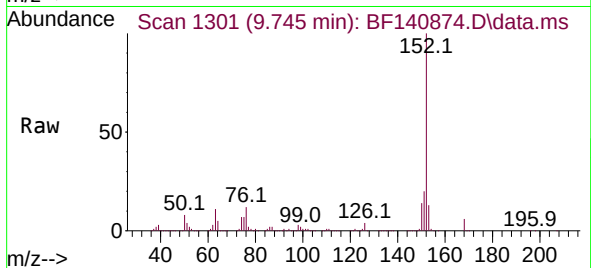
#49
Acenaphthylene
Concen: 51.612 ng
RT: 9.745 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

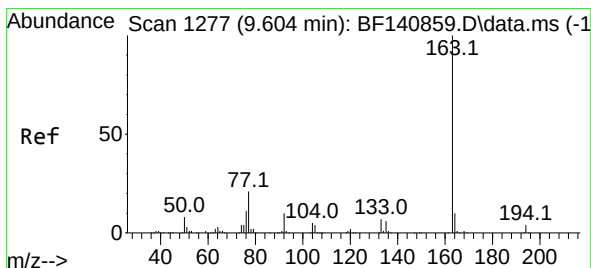
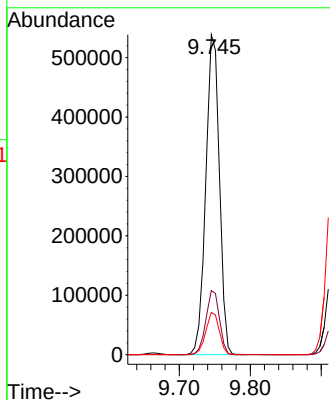
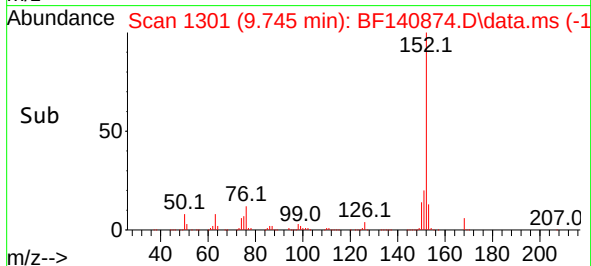
PB165543BS



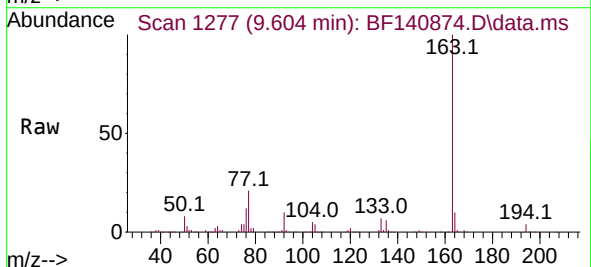
Tgt Ion:152 Resp: 71789
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.2 10.6 16.0

Manual Integrations
APPROVED

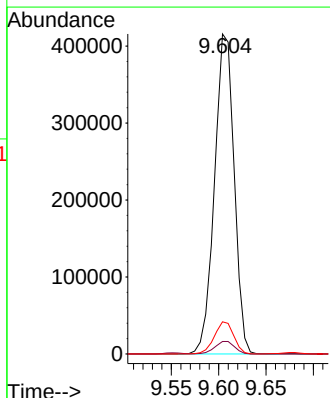
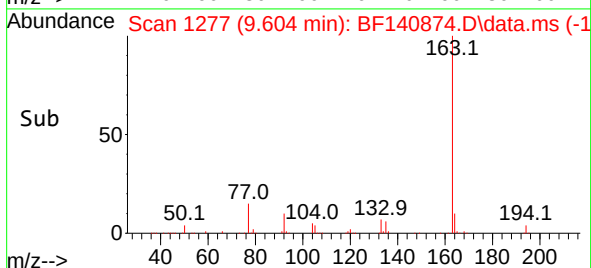
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

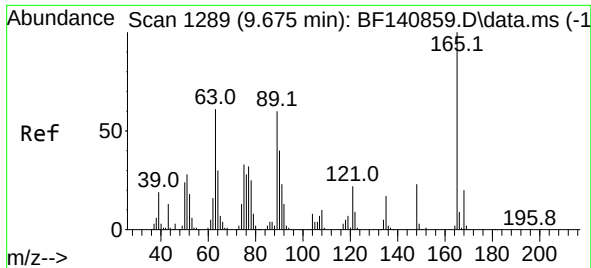


#50
Dimethylphthalate
Concen: 54.762 ng
RT: 9.604 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:163 Resp: 600715
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 8.1 12.1





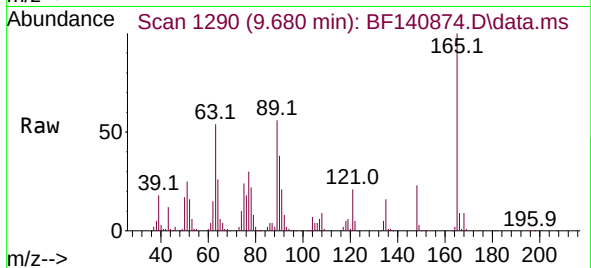
#51
2,6-Dinitrotoluene
Concen: 51.622 ng
RT: 9.680 min Scan# 1289
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

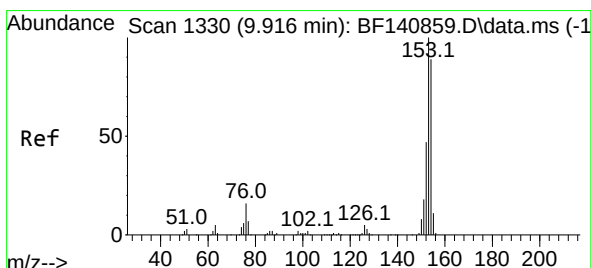
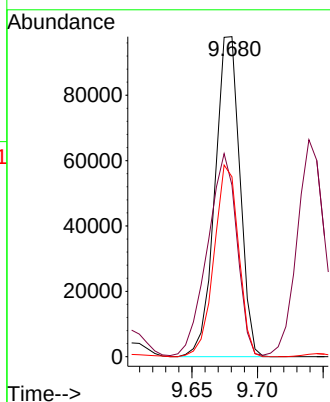
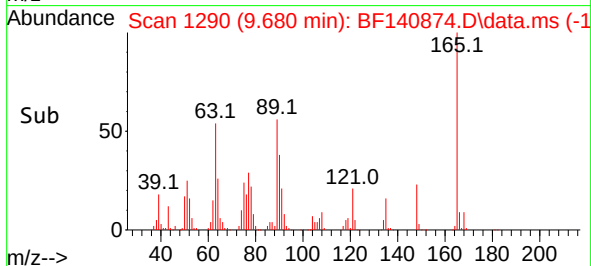


Tgt Ion:165 Resp: 12945
Ion Ratio Lower Upper
165 100
63 53.6 49.7 74.5
89 56.2 48.2 72.4

Manual Integrations

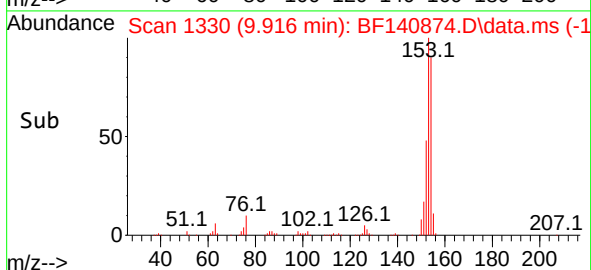
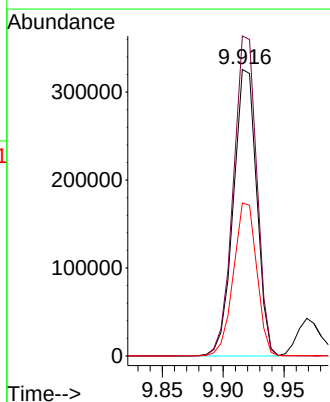
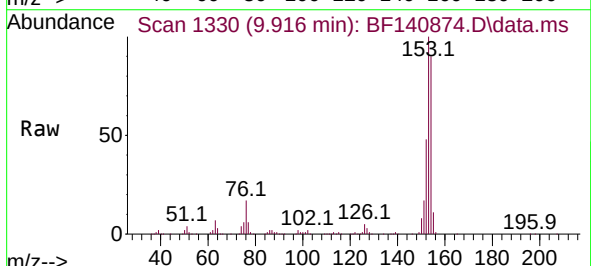
APPROVED

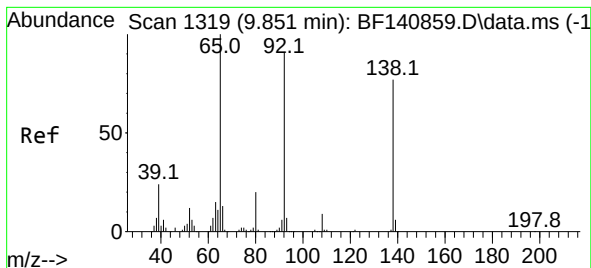
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#52
Acenaphthene
Concen: 48.953 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:154 Resp: 434957
Ion Ratio Lower Upper
154 100
153 111.6 89.9 134.9
152 53.4 42.6 63.8





#53

3-Nitroaniline

Concen: 32.479 ng

RT: 9.851 min Scan# 1319

Delta R.T. -0.000 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

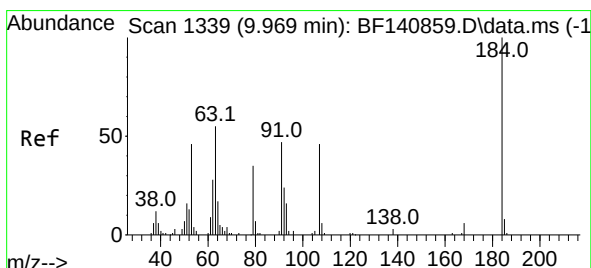
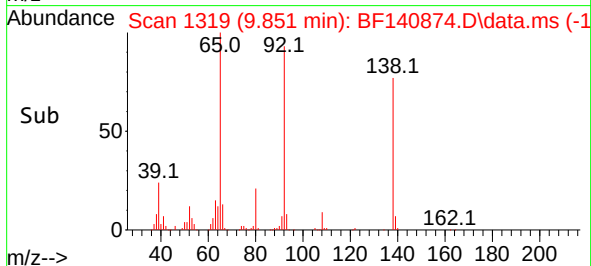
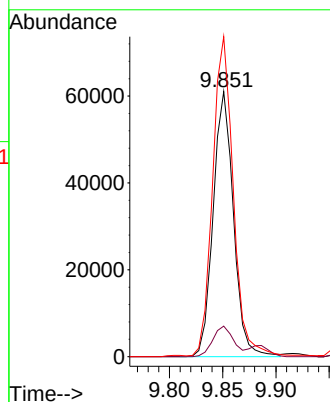
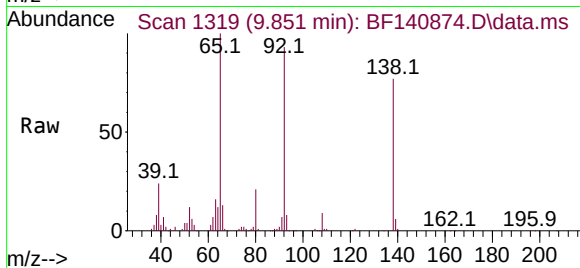
PB165543BS

Tgt Ion:138 Resp: 80829
 Ion Ratio Lower Upper
 138 100
 108 11.5 9.0 13.4
 92 120.7 95.5 143.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



#54

2,4-Dinitrophenol

Concen: 82.122 ng

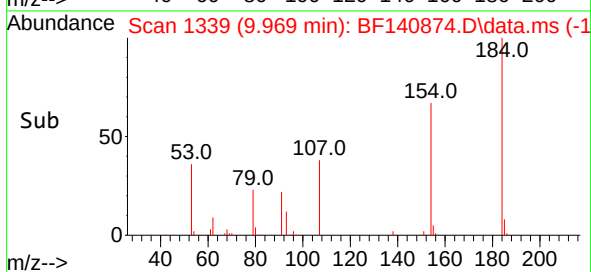
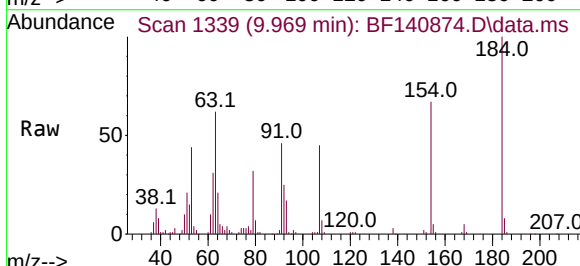
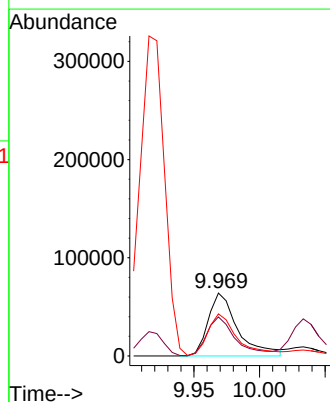
RT: 9.969 min Scan# 1339

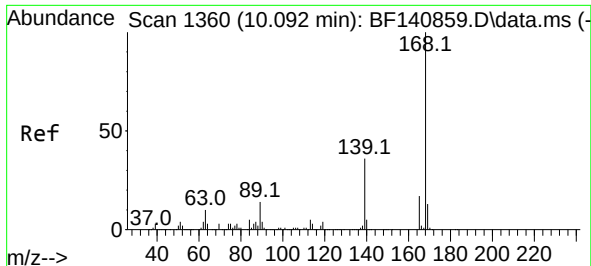
Delta R.T. -0.000 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

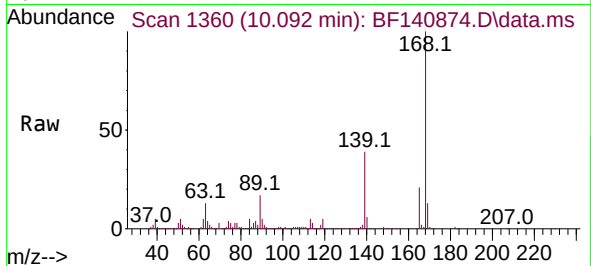
Tgt Ion:184 Resp: 100714
 Ion Ratio Lower Upper
 184 100
 63 62.0 51.6 77.4
 154 66.9 56.1 84.1





#55
Dibenzenofuran
Concen: 47.687 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

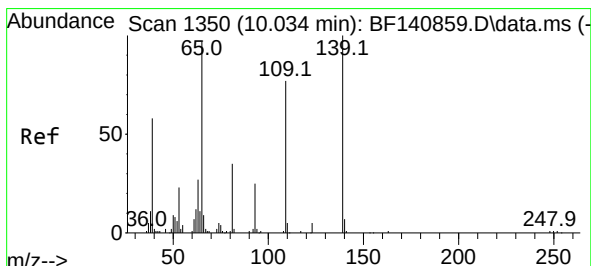
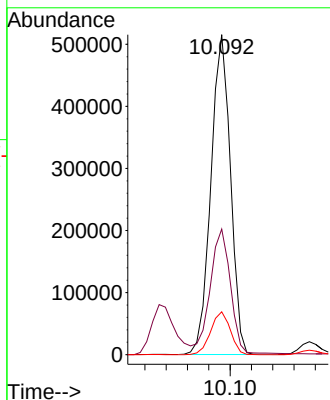
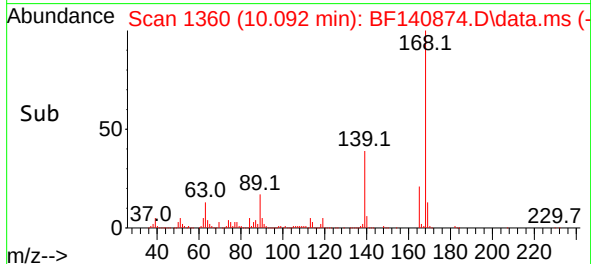
Instrument :
BNA_F
ClientSampleId :
PB165543BS



Tgt Ion:168 Resp: 65656
Ion Ratio Lower Upper
168 100
139 39.3 31.1 46.7
169 13.4 10.6 16.0

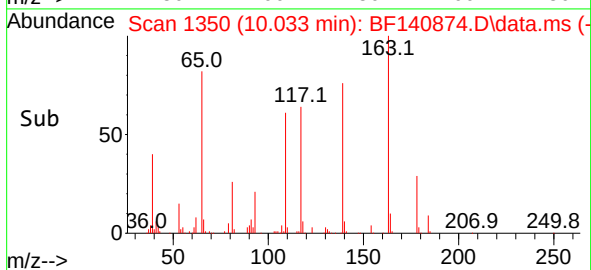
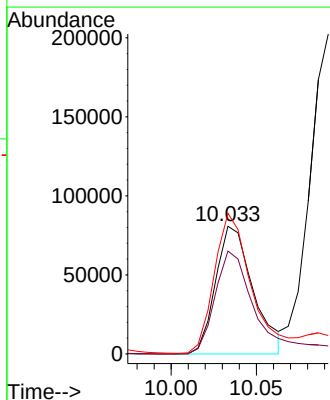
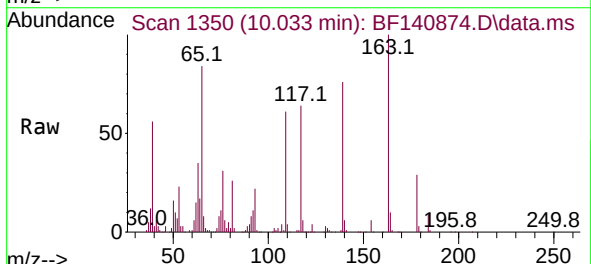
Manual Integrations
APPROVED

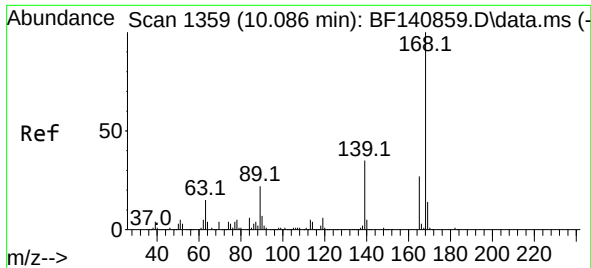
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#56
4-Nitrophenol
Concen: 91.590 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.001 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:139 Resp: 123520
Ion Ratio Lower Upper
139 100
109 80.6 56.7 96.7
65 110.2 78.1 118.1





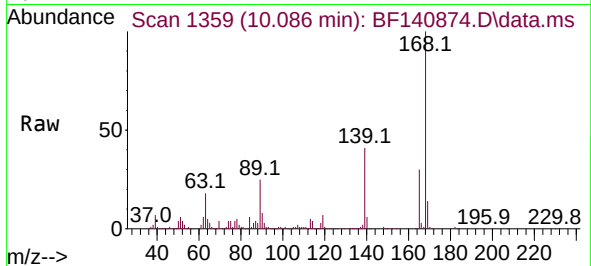
#57
2,4-Dinitrotoluene
Concen: 48.394 ng
RT: 10.086 min Scan# 1359
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

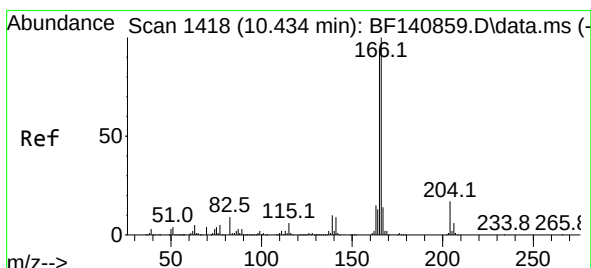
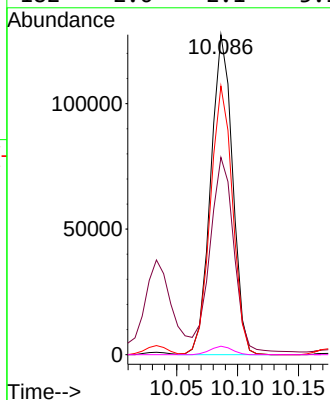
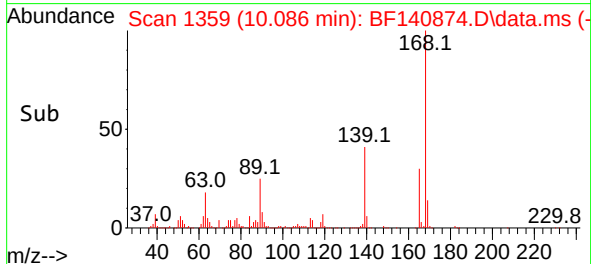


Tgt Ion:165 Resp: 159670
Ion Ratio Lower Upper
165 100
63 61.7 49.3 73.9
89 83.9 66.2 99.4
182 2.6 2.1 3.1

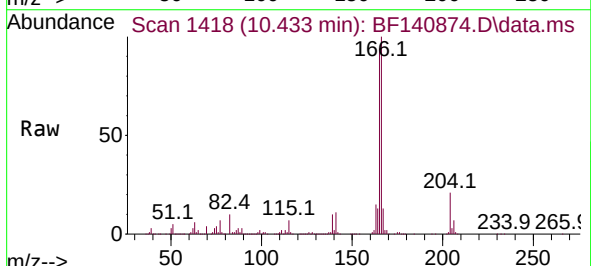
Manual Integrations

APPROVED

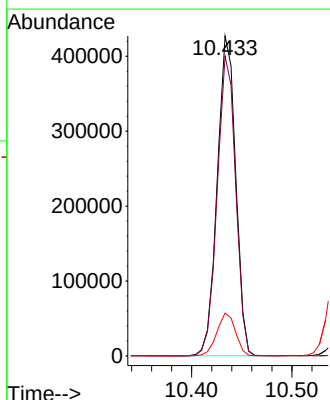
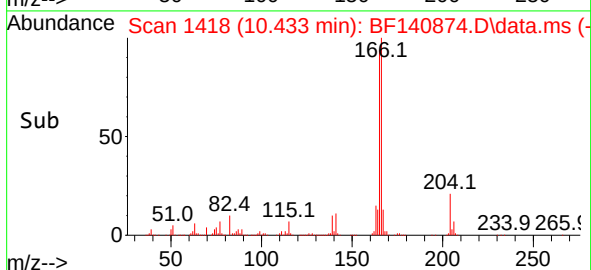
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

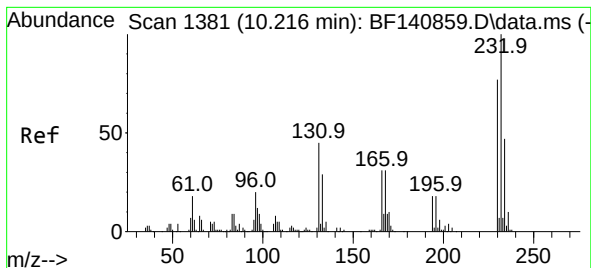


#58
Fluorene
Concen: 47.967 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:166 Resp: 544838
Ion Ratio Lower Upper
166 100
165 93.7 75.1 112.7
167 13.4 11.1 16.7





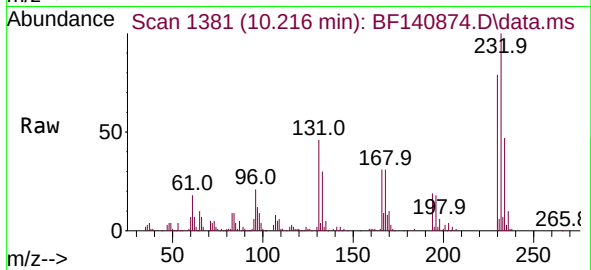
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.476 ng
RT: 10.216 min Scan# 1381
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

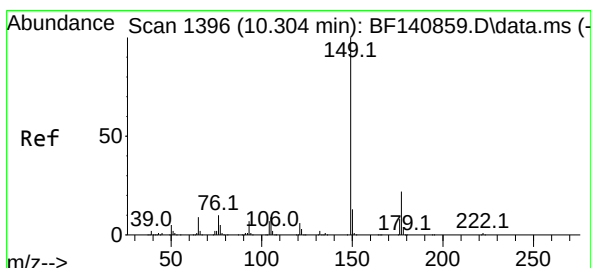
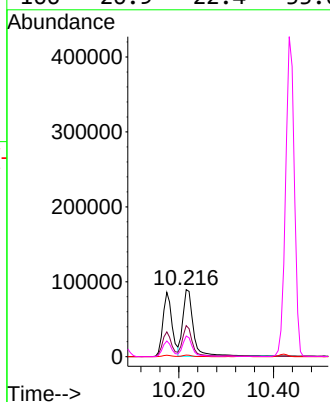
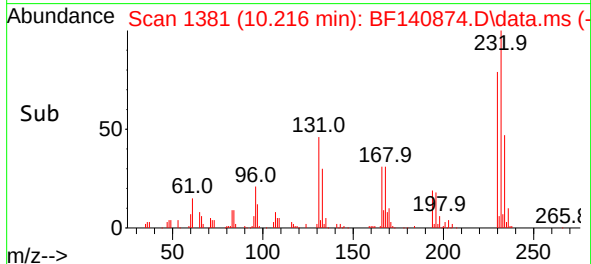


Tgt Ion:232 Resp: 137629
Ion Ratio Lower Upper
232 100
131 42.8 35.1 52.7
130 2.2 1.8 2.8
166 26.9 22.4 33.6

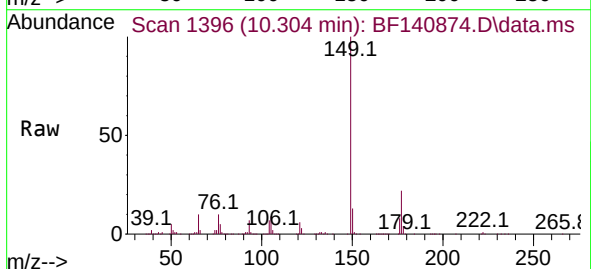
Manual Integrations

APPROVED

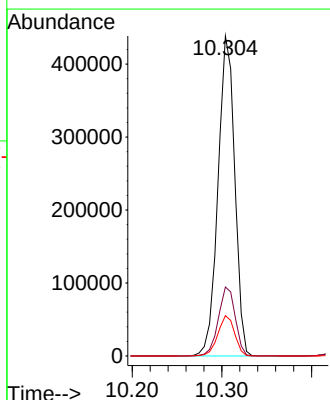
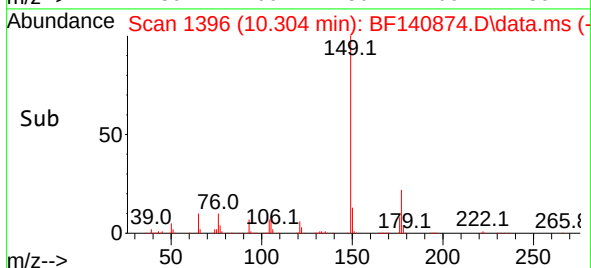
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

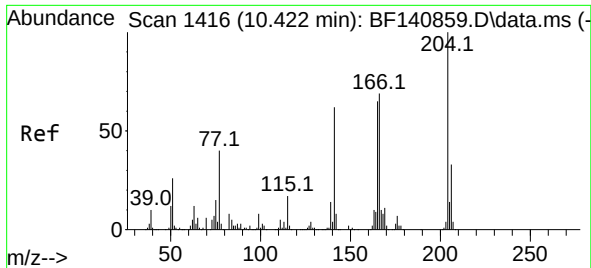


#60
Diethylphthalate
Concen: 49.991 ng
RT: 10.304 min Scan# 1396
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



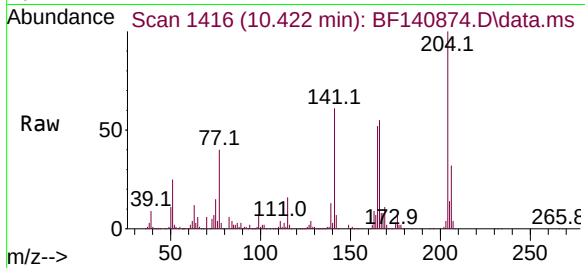
Tgt Ion:149 Resp: 568650
Ion Ratio Lower Upper
149 100
177 21.6 17.2 25.8
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 48.486 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

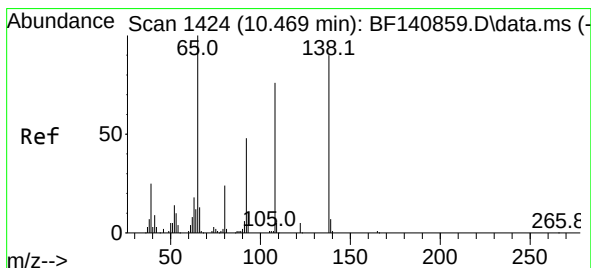
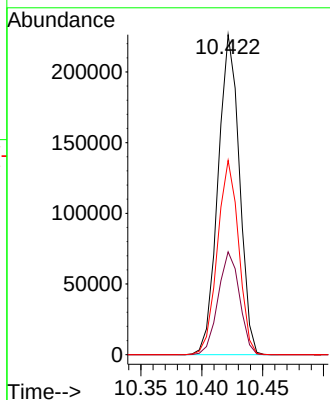
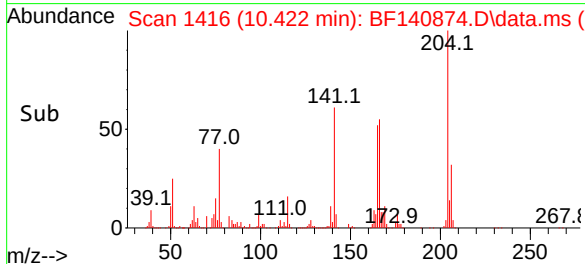
Instrument :
BNA_F
ClientSampleId :
PB165543BS



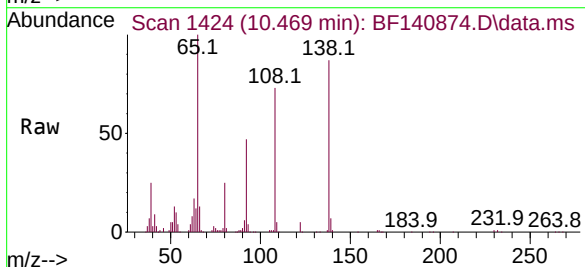
Tgt Ion:204 Resp: 276640
Ion Ratio Lower Upper
204 100
206 32.1 26.5 39.7
141 60.7 50.0 75.0

Manual Integrations
APPROVED

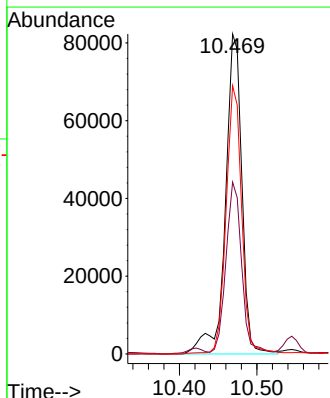
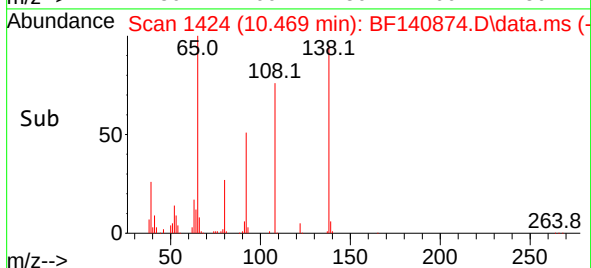
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

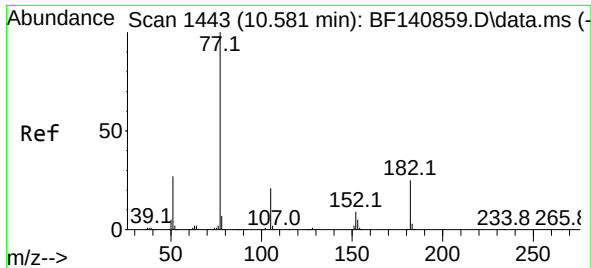


#62
4-Nitroaniline
Concen: 46.723 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:138 Resp: 121509
Ion Ratio Lower Upper
138 100
92 53.7 32.6 72.6
108 83.8 64.1 104.1





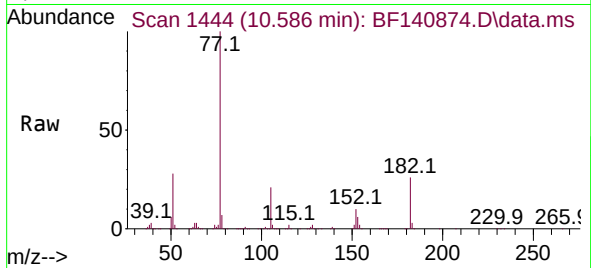
#63
Azobenzene
Concen: 48.978 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



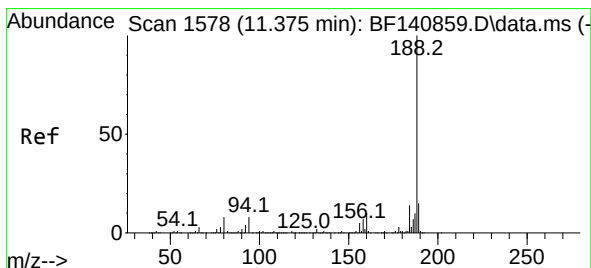
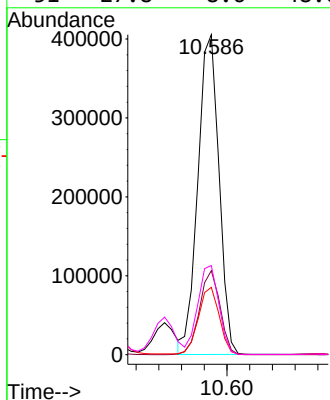
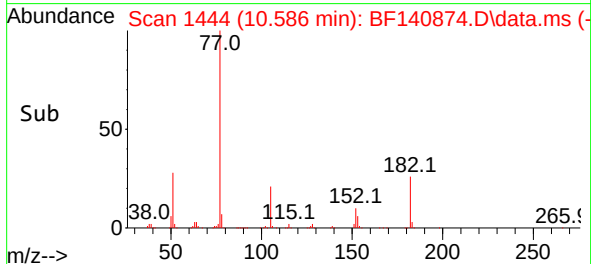
Tgt Ion: 77 Resp: 52376
Ion Ratio Lower Upper
77 100
182 26.2 4.5 44.5
105 21.0 0.9 40.9
51 27.8 8.6 48.6

Manual Integrations

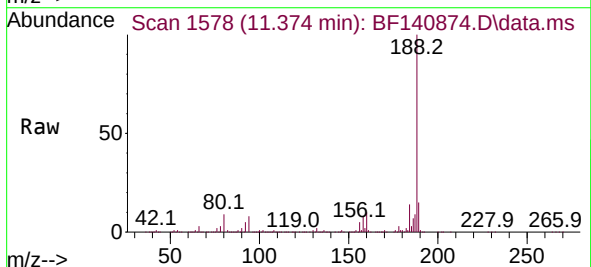
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

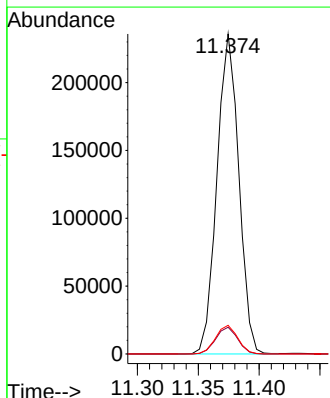
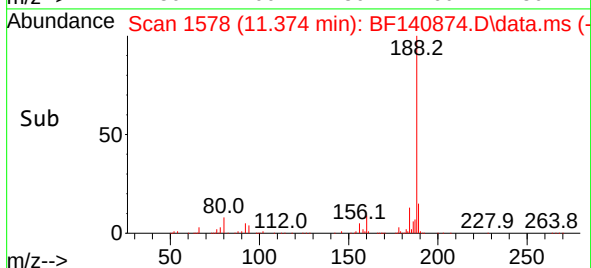
Supervised By :mohammad ahmed 12/18/2024

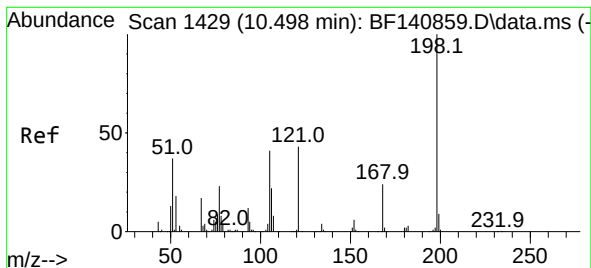


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:188 Resp: 294609
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.9 6.8 10.2





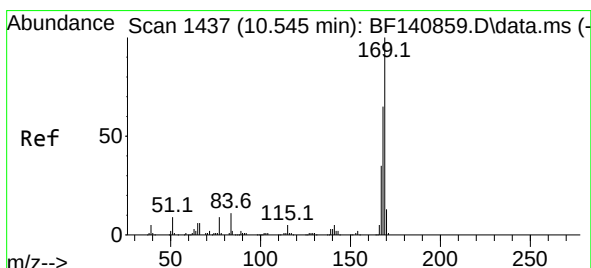
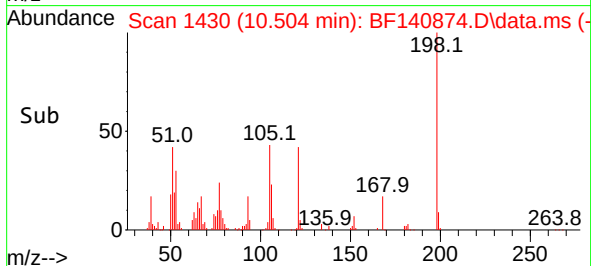
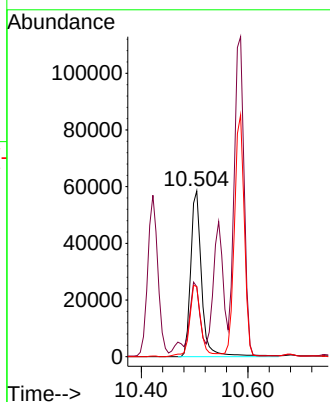
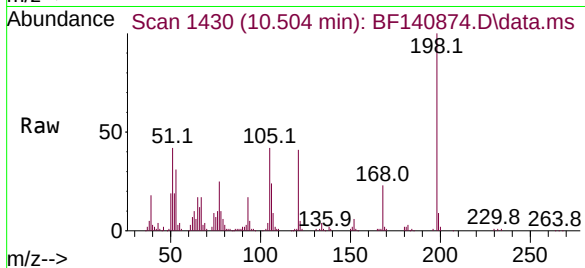
#65
4,6-Dinitro-2-methylphenol
Concen: 50.064 ng
RT: 10.504 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :
BNA_F
ClientSampleId :
PB165543BS

Tgt Ion:198 Resp: 83578
Ion Ratio Lower Upper
198 100
51 42.2 24.4 64.4
105 42.3 22.1 62.1

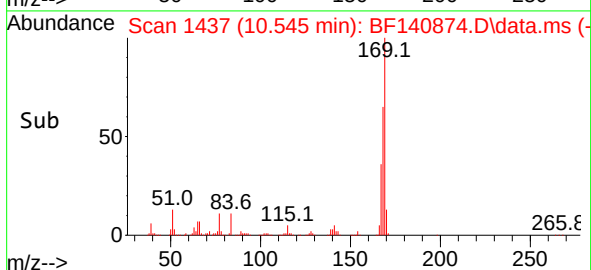
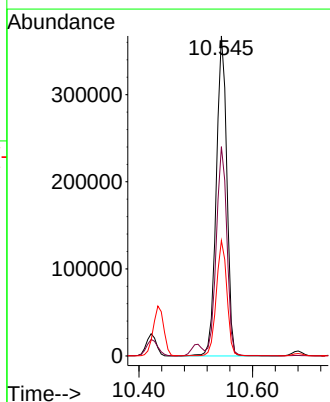
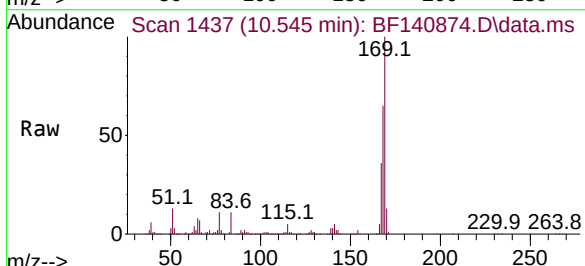
Manual Integrations
APPROVED

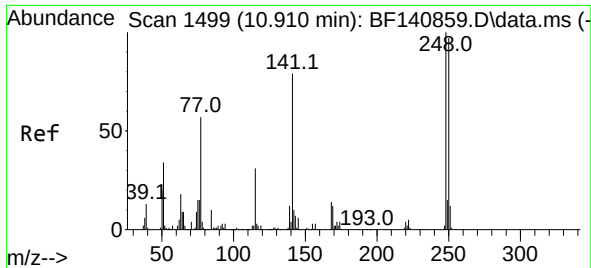
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#66
n-Nitrosodiphenylamine
Concen: 52.268 ng
RT: 10.545 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:169 Resp: 473438
Ion Ratio Lower Upper
169 100
168 65.4 53.4 80.0
167 36.1 28.3 42.5





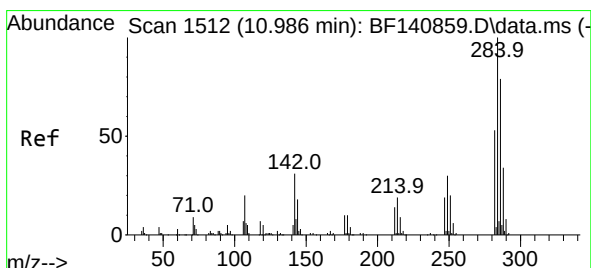
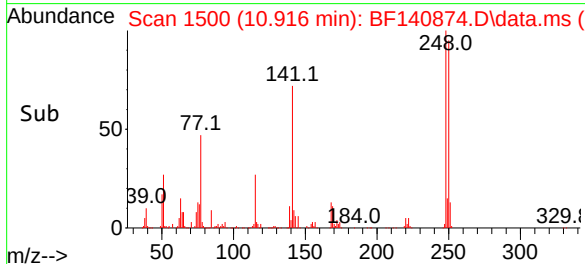
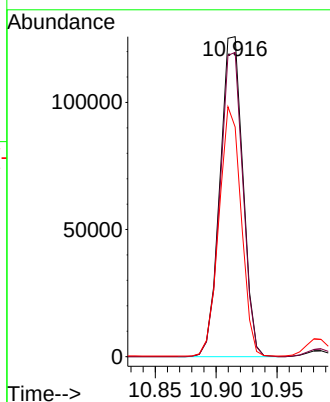
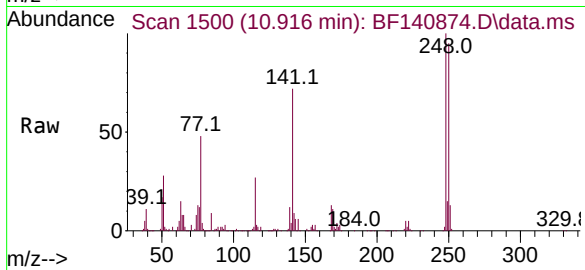
#67
4-Bromophenyl-phenylether
Concen: 50.036 ng
RT: 10.916 min Scan# 1499
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :
BNA_F
ClientSampleId :
PB165543BS

Tgt Ion:248 Resp: 16491
Ion Ratio Lower Upper
248 100
250 95.1 77.4 116.2
141 71.7 62.9 94.3

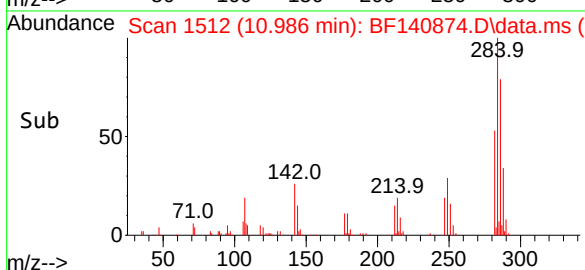
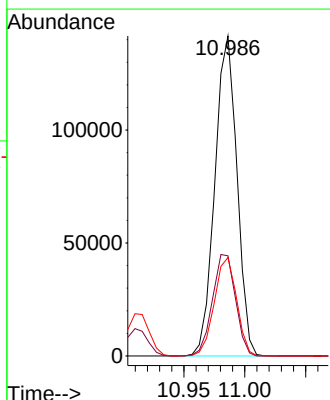
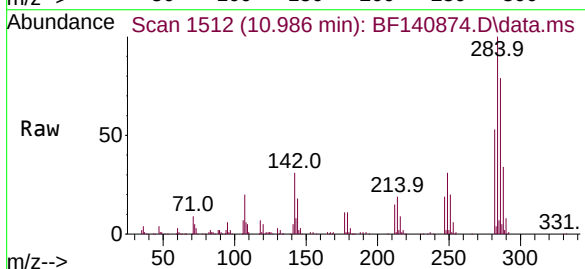
Manual Integrations
APPROVED

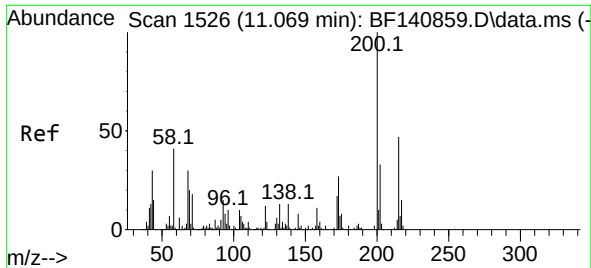
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#68
Hexachlorobenzene
Concen: 47.925 ng
RT: 10.986 min Scan# 1512
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

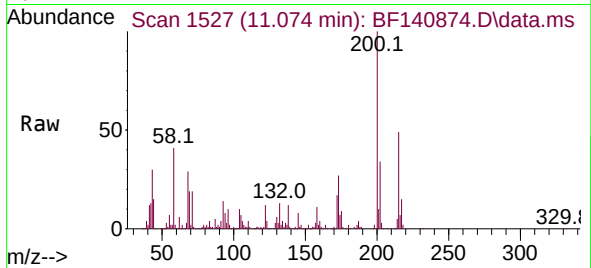
Tgt Ion:284 Resp: 179086
Ion Ratio Lower Upper
284 100
142 31.3 24.6 36.8
249 30.8 24.3 36.5





#69
Atrazine
Concen: 61.137 ng
RT: 11.074 min Scan# 1546
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

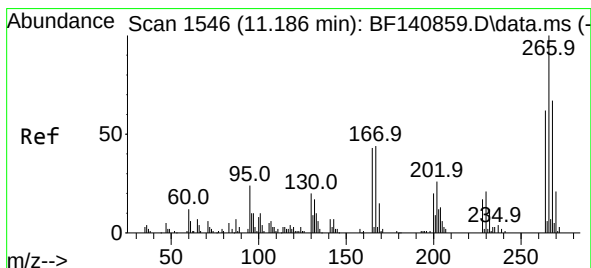
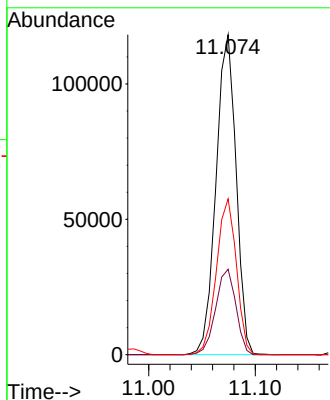
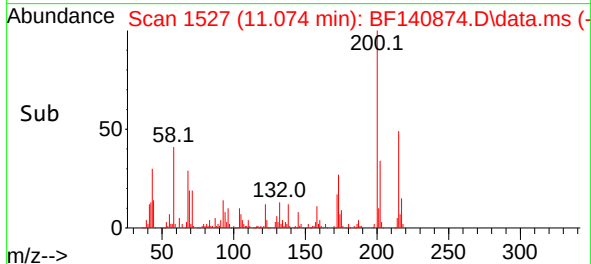
Instrument :
BNA_F
ClientSampleId :
PB165543BS



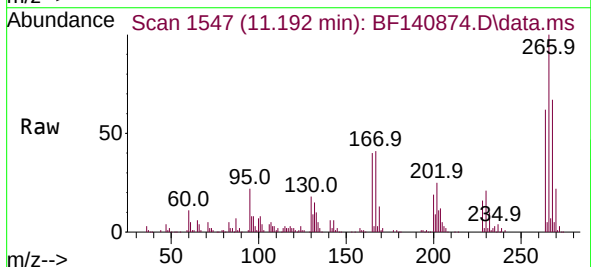
Tgt Ion:200 Resp: 15466
Ion Ratio Lower Upper
200 100
173 26.7 6.6 46.6
215 48.7 26.7 66.7

Manual Integrations
APPROVED

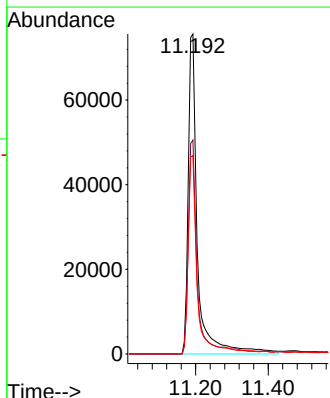
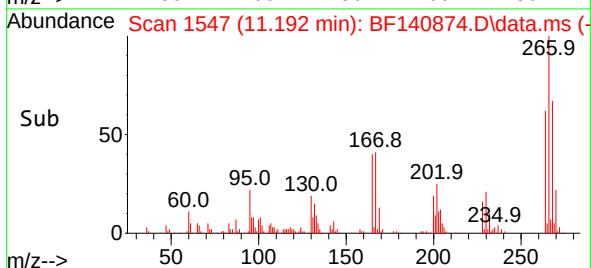
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

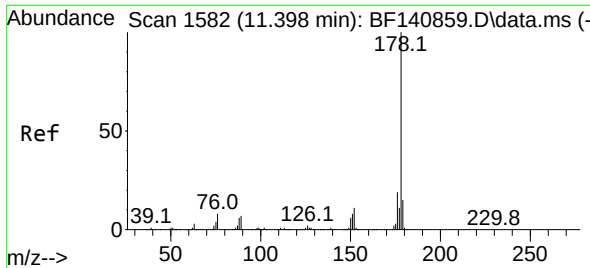


#70
Pentachlorophenol
Concen: 98.967 ng
RT: 11.192 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:266 Resp: 135210
Ion Ratio Lower Upper
266 100
268 66.9 54.0 81.0
264 62.0 49.4 74.2





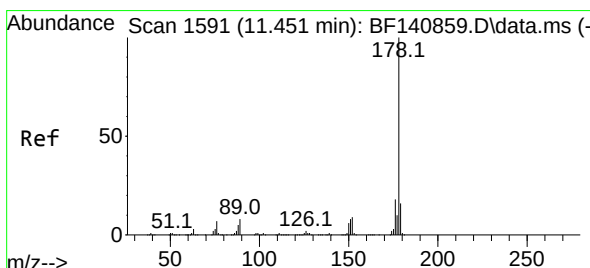
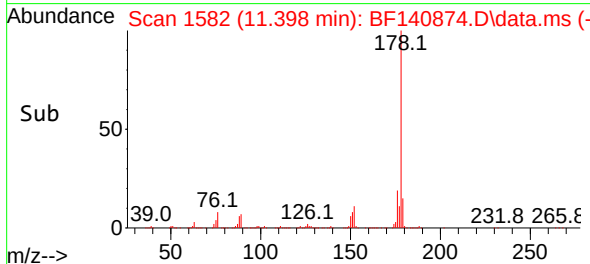
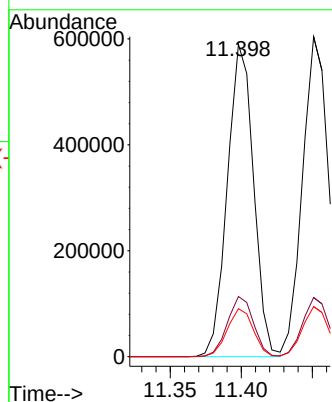
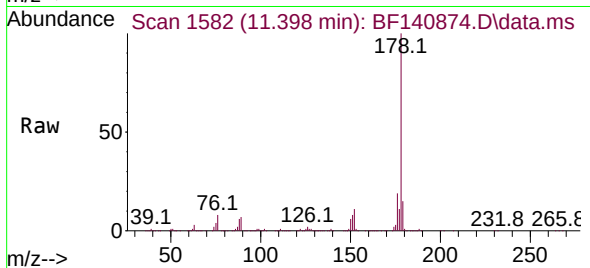
#71
Phenanthrene
Concen: 50.009 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :
BNA_F
ClientSampleId :
PB165543BS

Tgt Ion:178 Resp: 75764
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.4 12.1 18.1

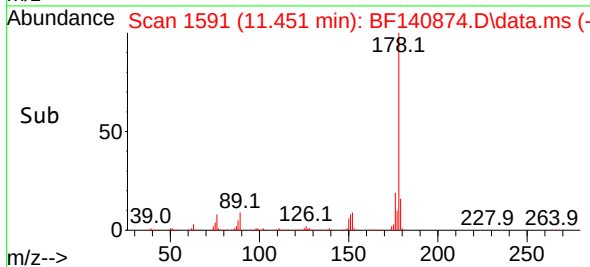
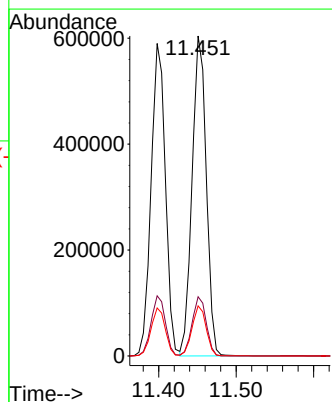
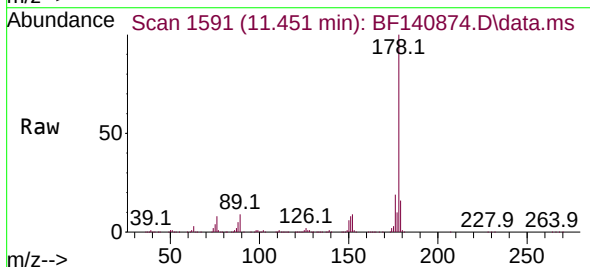
Manual Integrations
APPROVED

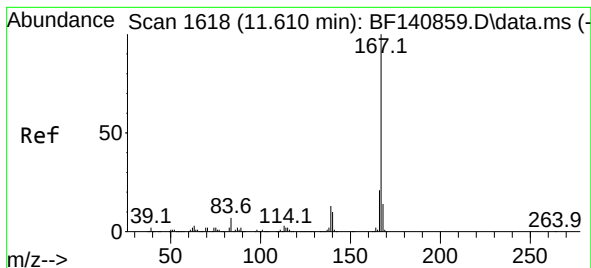
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#72
Anthracene
Concen: 51.421 ng
RT: 11.451 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:178 Resp: 767193
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 15.6 12.6 18.8





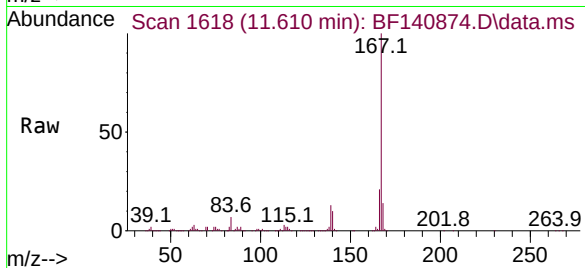
#73
 Carbazole
 Concen: 47.970 ng
 RT: 11.610 min Scan# 1618
 Delta R.T. -0.000 min
 Lab File: BF140874.D
 Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



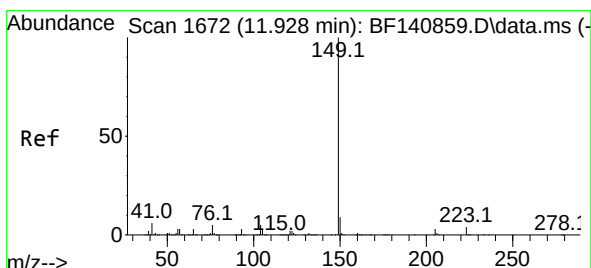
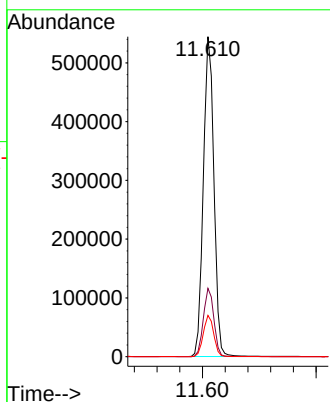
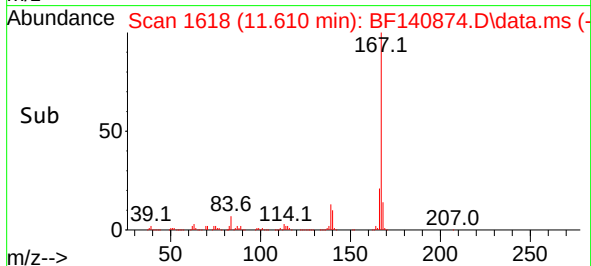
Tgt Ion:167 Resp: 701020
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.9 10.2 15.2

Manual Integrations

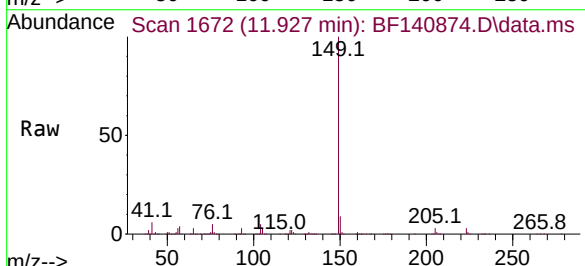
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

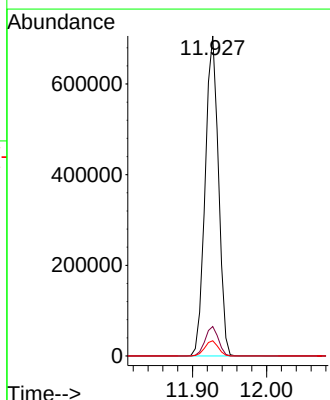
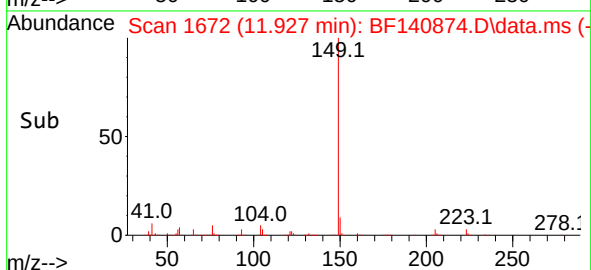
Supervised By :mohammad ahmed 12/18/2024

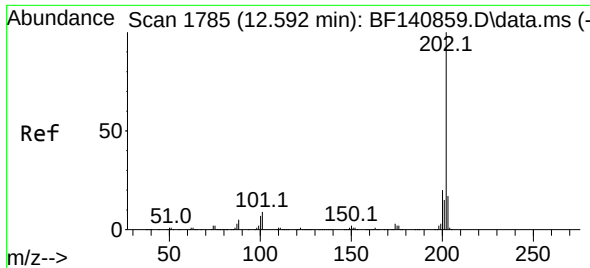


#74
 Di-n-butylphthalate
 Concen: 51.173 ng
 RT: 11.927 min Scan# 1672
 Delta R.T. -0.000 min
 Lab File: BF140874.D
 Acq: 17 Dec 2024 10:16



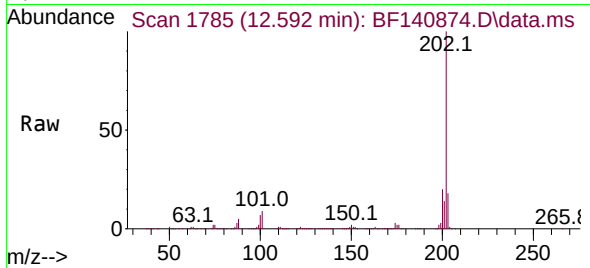
Tgt Ion:149 Resp: 877661
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.5 11.3
 104 4.7 3.8 5.8





#75
Fluoranthene
Concen: 47.783 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

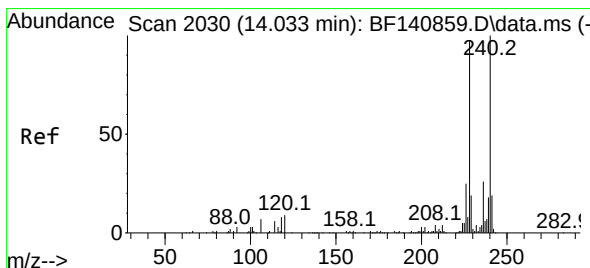
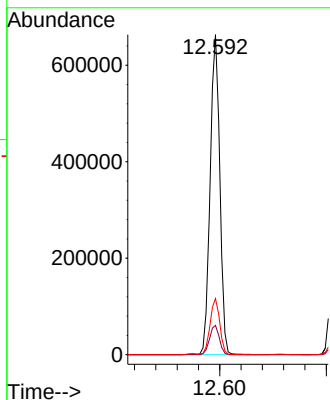
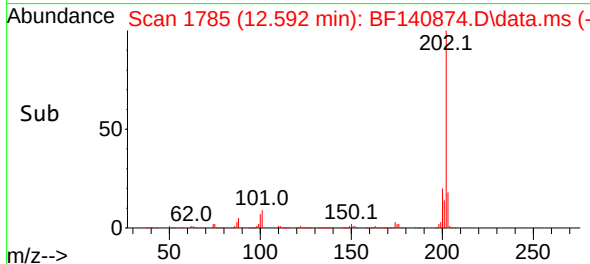
Instrument :
BNA_F
ClientSampleId :
PB165543BS



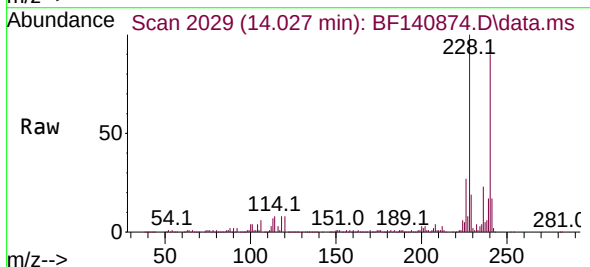
Tgt Ion:202 Resp: 83371
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.3
203 17.6 0.0 37.4

Manual Integrations
APPROVED

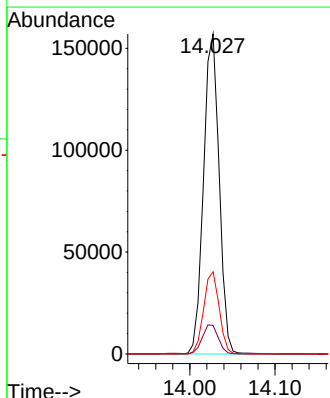
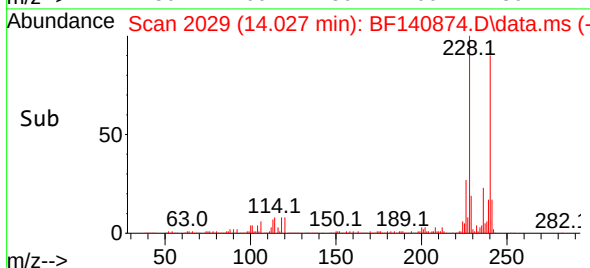
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

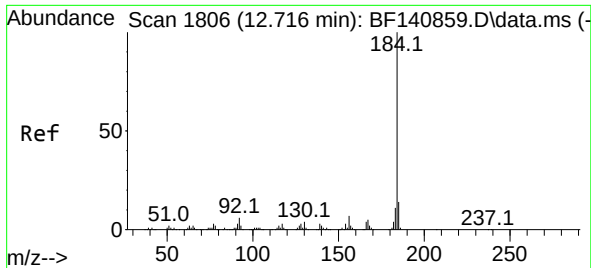


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16



Tgt Ion:240 Resp: 199900
Ion Ratio Lower Upper
240 100
120 8.9 7.6 11.4
236 25.7 20.5 30.7





#77
Benzidine
Concen: 57.559 ng
RT: 12.716 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

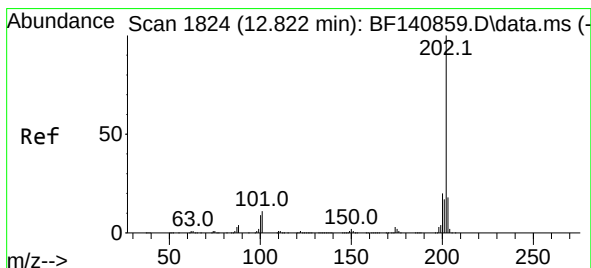
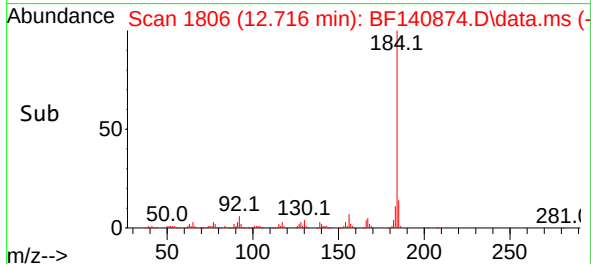
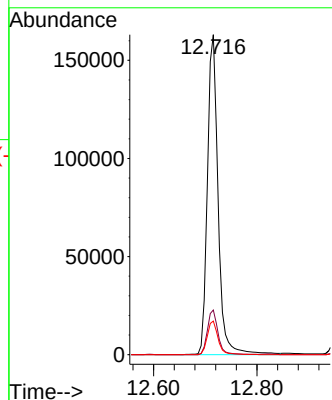
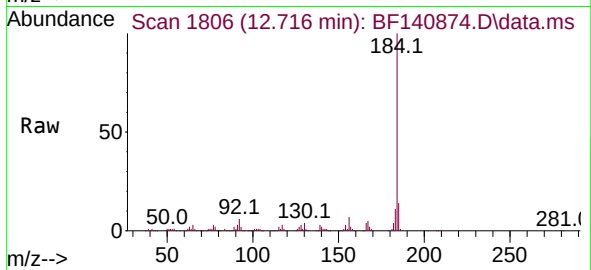
PB165543BS

Tgt Ion:184 Resp: 23483
Ion Ratio Lower Upper
184 100
185 14.0 11.1 16.7
183 10.5 9.0 13.4

Manual Integrations

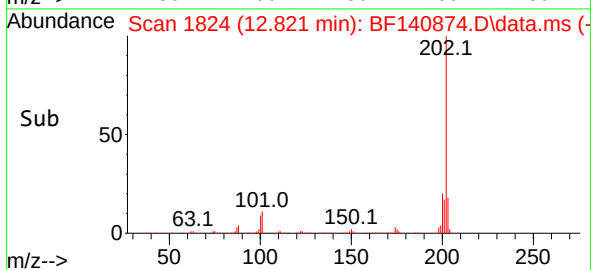
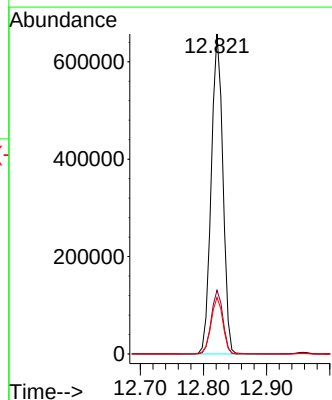
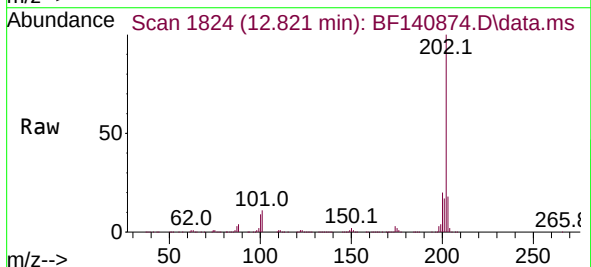
APPROVED

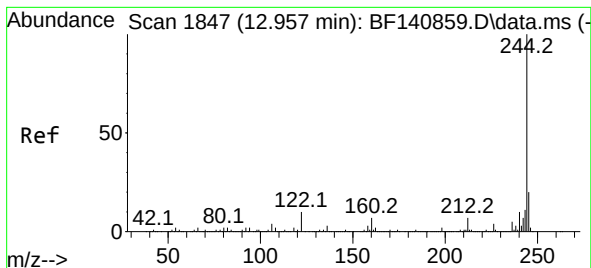
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#78
Pyrene
Concen: 47.145 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:202 Resp: 838060
Ion Ratio Lower Upper
202 100
200 19.9 16.1 24.1
203 17.6 14.2 21.4





#79

Terphenyl-d14

Concen: 94.929 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140874.D

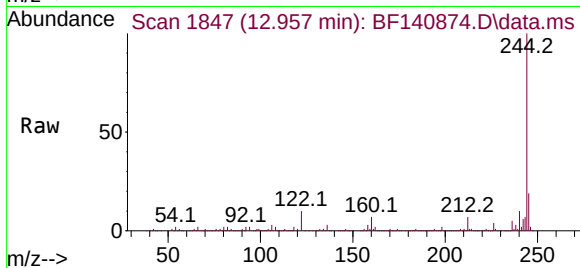
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



Tgt Ion:244 Resp: 120341

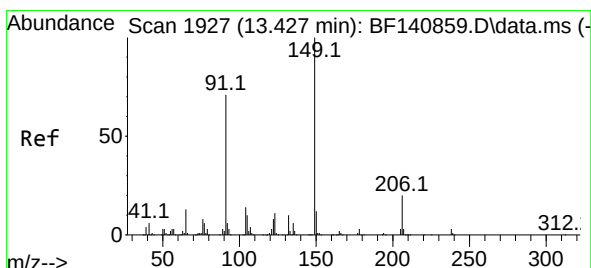
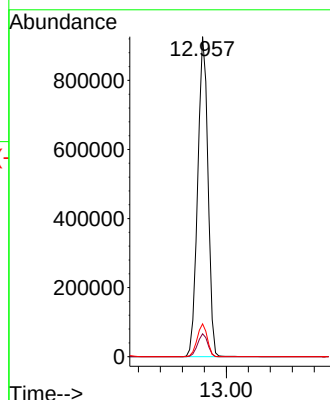
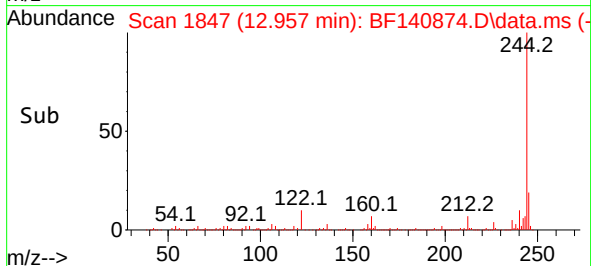
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.3	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#80

Butylbenzylphthalate

Concen: 51.828 ng

RT: 13.427 min Scan# 1927

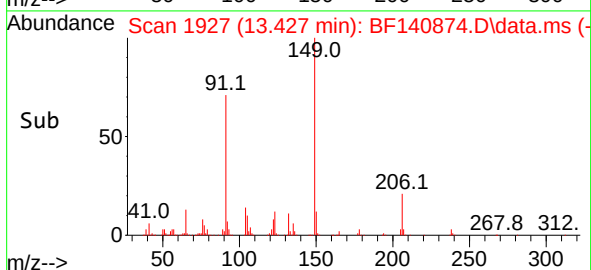
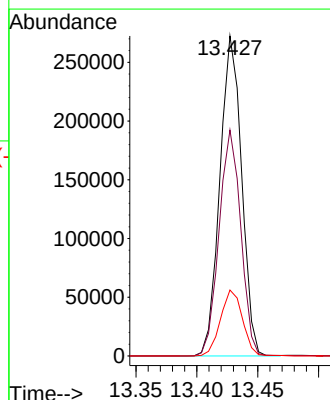
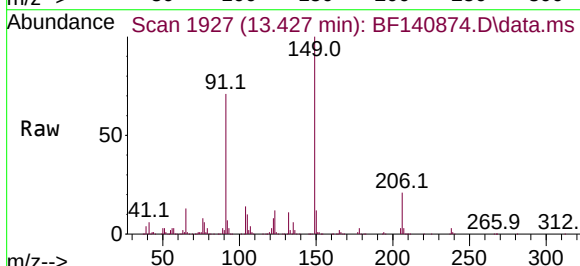
Delta R.T. -0.000 min

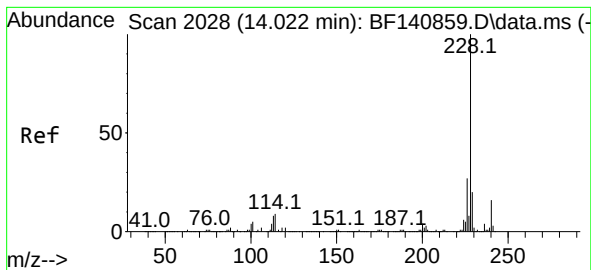
Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Tgt Ion:149 Resp: 338997

Ion	Ratio	Lower	Upper
149	100		
91	70.6	56.7	85.1
206	20.6	16.4	24.6





#81

Benzo(a)anthracene

Concen: 50.017 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

Tgt Ion:228 Resp: 70862

Ion Ratio Lower Upper

228 100

226 27.2 21.8 32.8

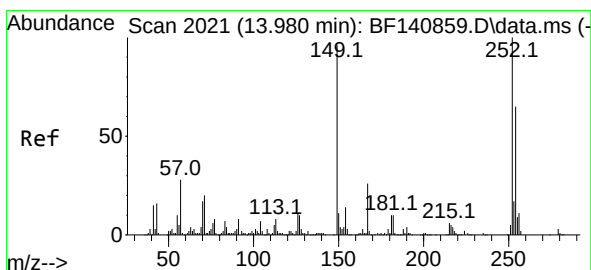
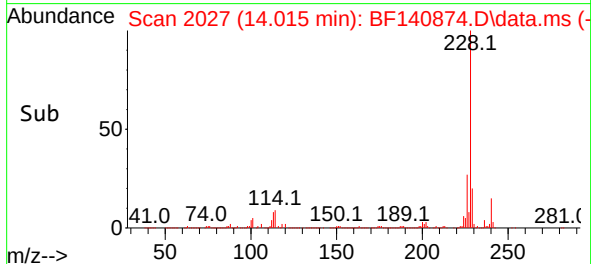
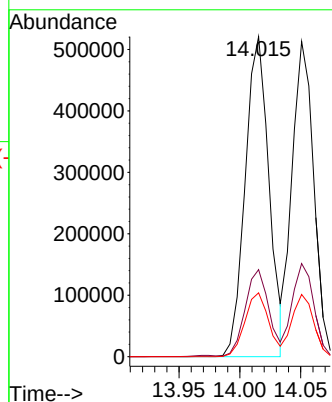
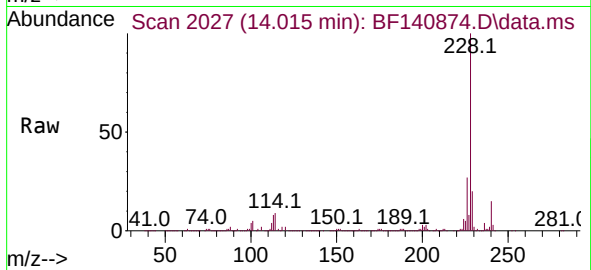
229 20.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#82

3,3'-Dichlorobenzidine

Concen: 36.600 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

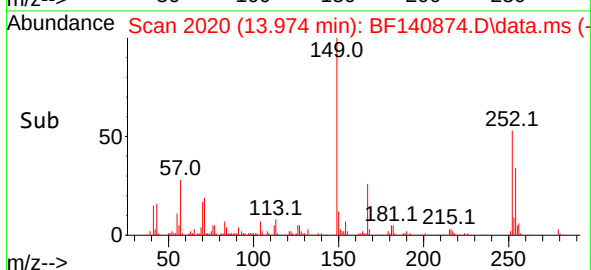
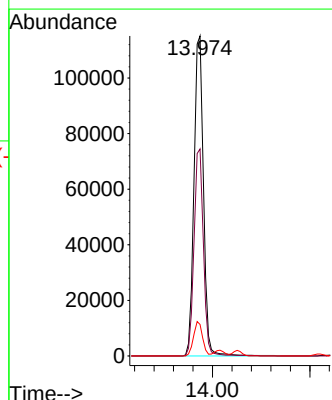
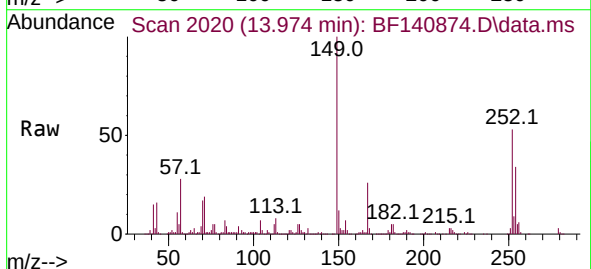
Tgt Ion:252 Resp: 156443

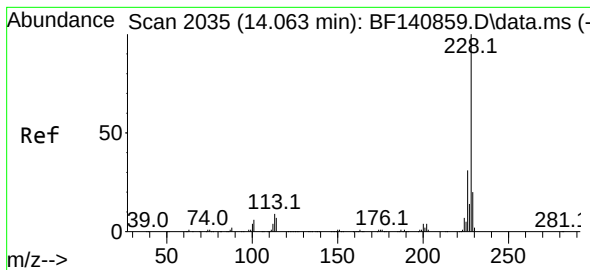
Ion Ratio Lower Upper

252 100

254 64.7 52.3 78.5

126 9.9 8.4 12.6





#83

Chrysene

Concen: 49.359 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

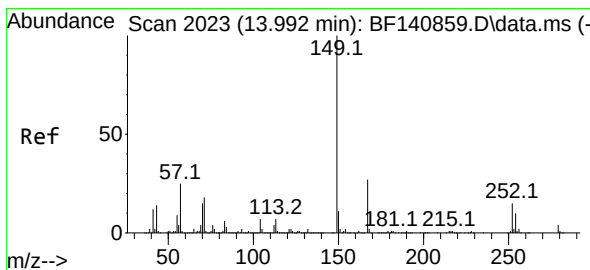
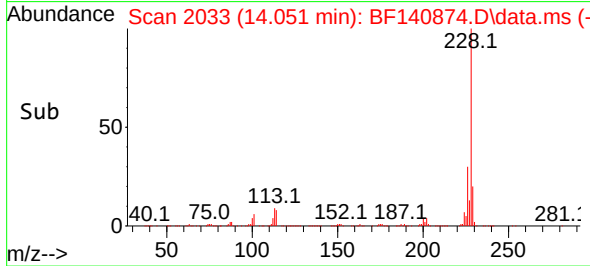
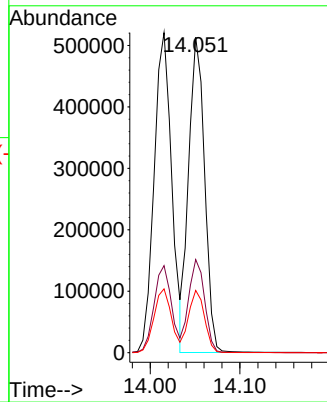
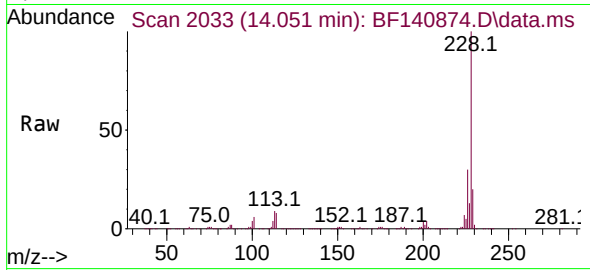
Tgt Ion:228 Resp: 635894
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.1 36.1
 229 19.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.968 ng

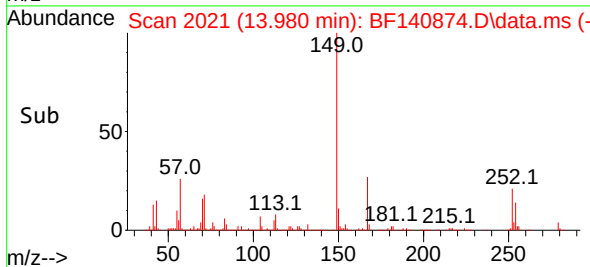
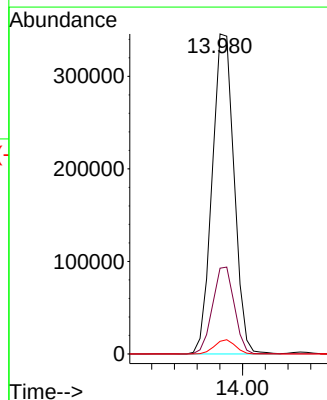
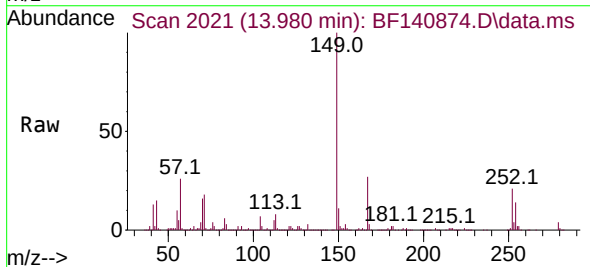
RT: 13.980 min Scan# 2021

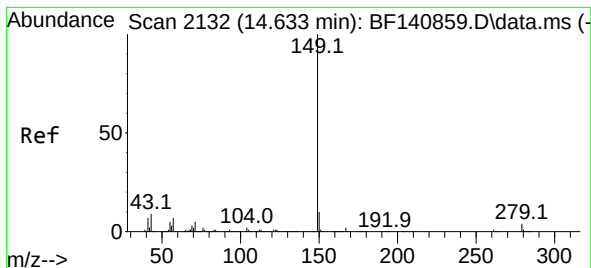
Delta R.T. -0.012 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Tgt Ion:149 Resp: 463598
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.8 32.8
 279 3.9 3.5 5.3





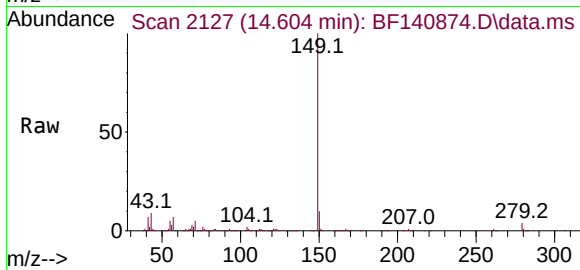
#85
Di-n-octyl phthalate
Concen: 57.436 ng
RT: 14.604 min Scan# 2132
Delta R.T. -0.030 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



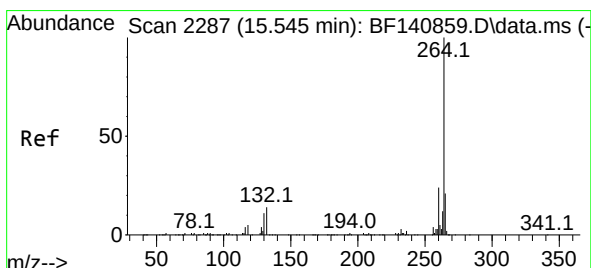
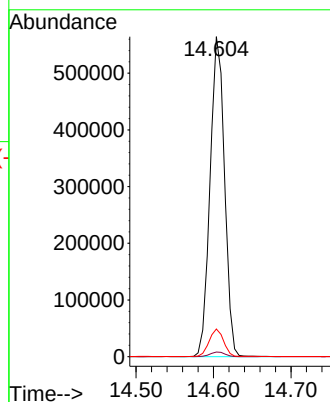
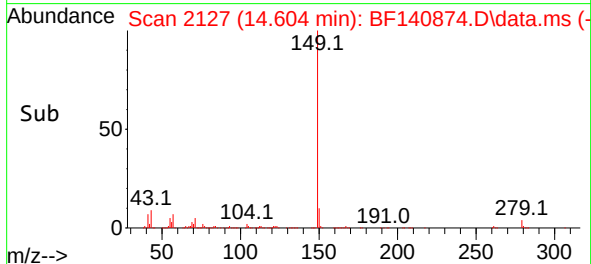
Tgt Ion:149 Resp: 73285
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 8.7 7.0 10.6

Manual Integrations

APPROVED

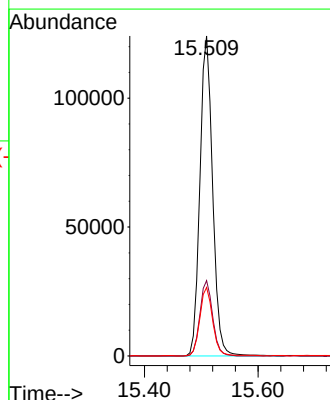
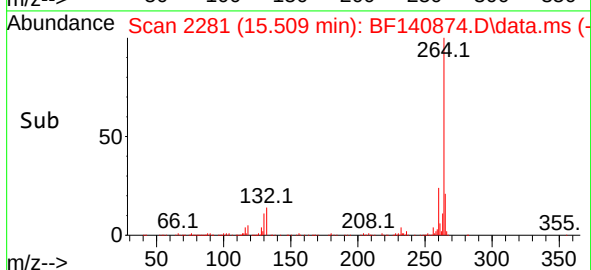
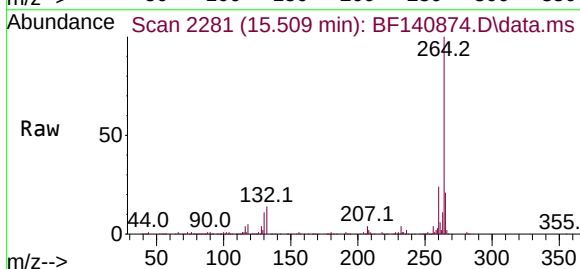
Reviewed By :Yogesh Patel 12/18/2024

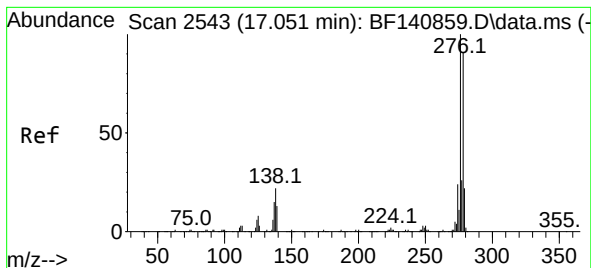
Supervised By :mohammad ahmed 12/18/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.035 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:264 Resp: 193215
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.4 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.798 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

Tgt Ion:276 Resp: 68483

Ion Ratio Lower Upper

276 100

138 21.1 16.9 25.3

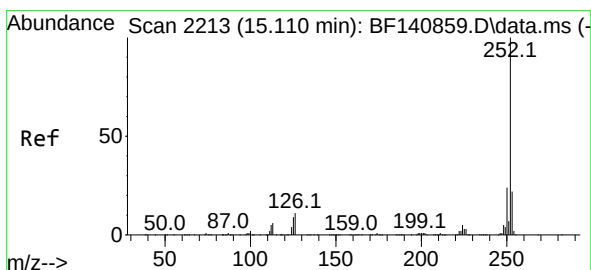
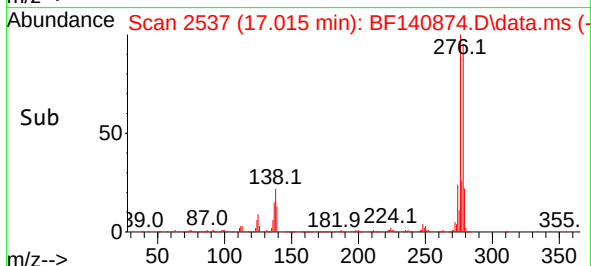
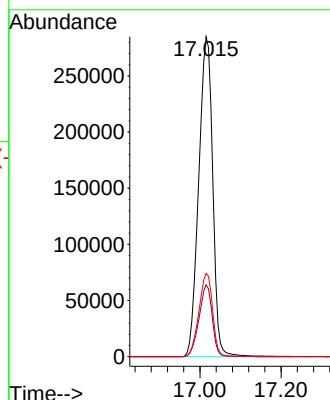
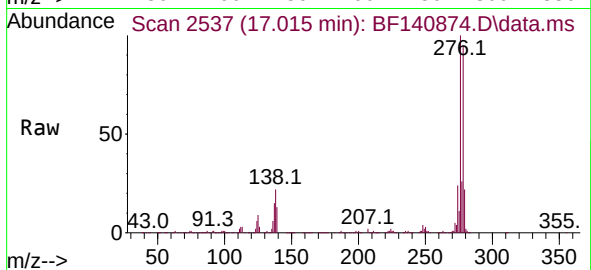
277 25.5 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#88

Benzo(b)fluoranthene

Concen: 46.879 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.030 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

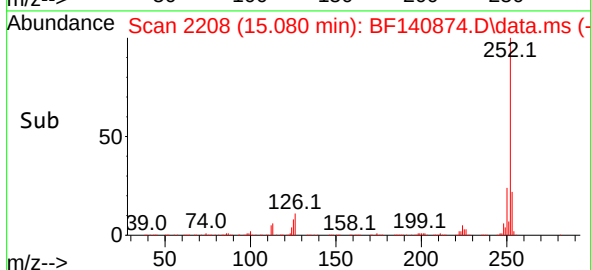
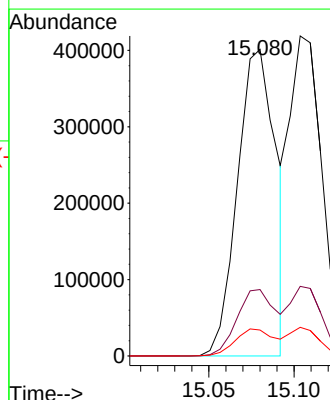
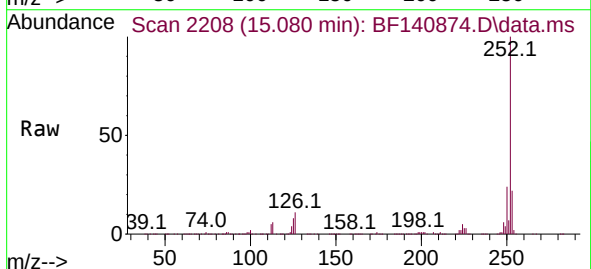
Tgt Ion:252 Resp: 628735

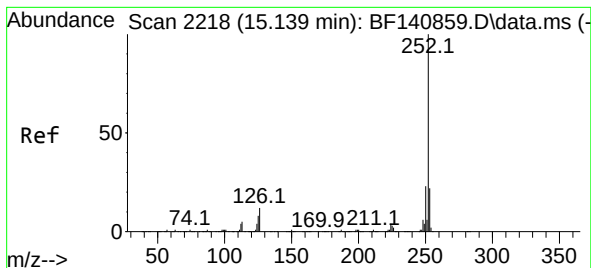
Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 48.749 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS

Tgt Ion:252 Resp: 56084

Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

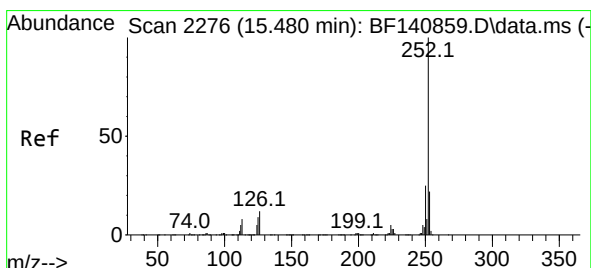
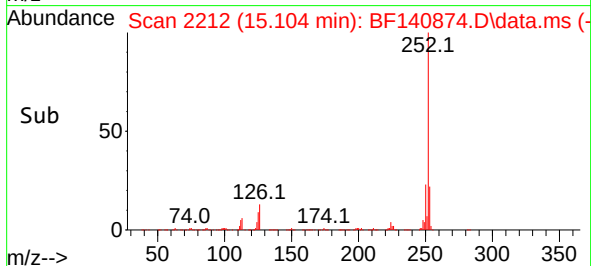
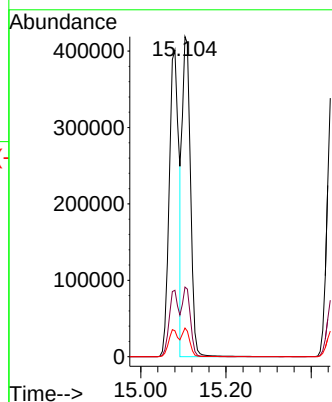
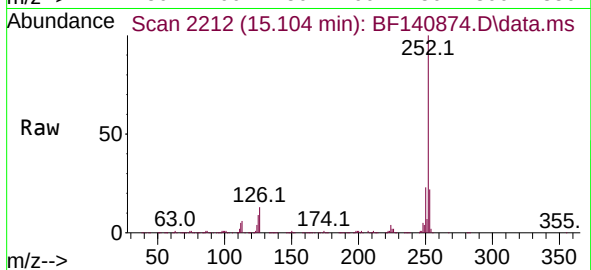
125 9.0 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#90

Benzo(a)pyrene

Concen: 53.350 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.030 min

Lab File: BF140874.D

Acq: 17 Dec 2024 10:16

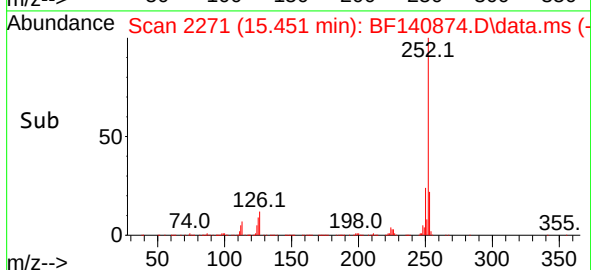
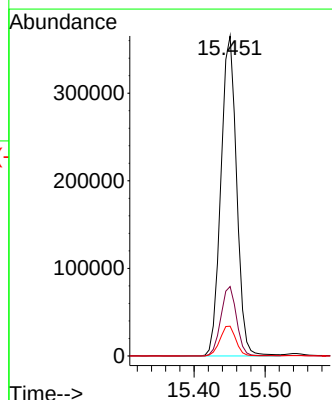
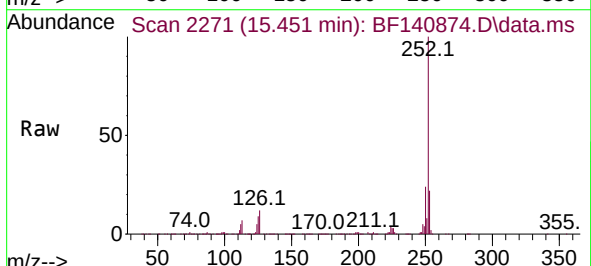
Tgt Ion:252 Resp: 560284

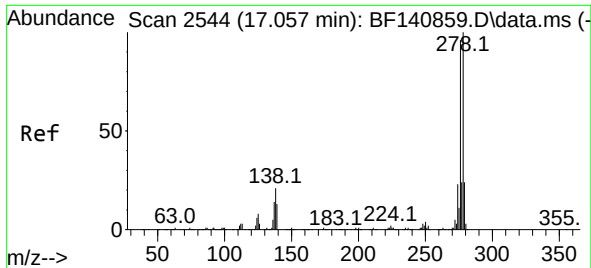
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 9.3 7.5 11.3





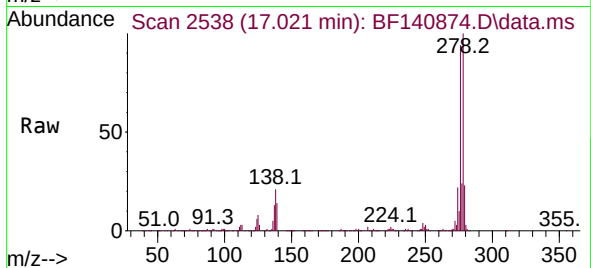
#91
Dibenzo(a,h)anthracene
Concen: 56.721 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Instrument :

BNA_F

ClientSampleId :

PB165543BS



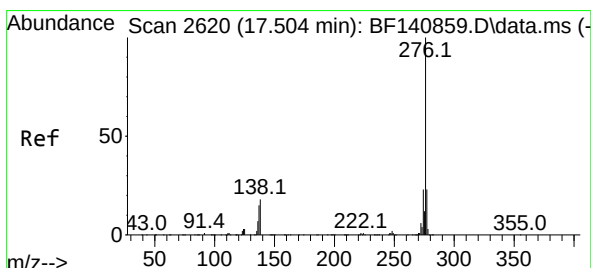
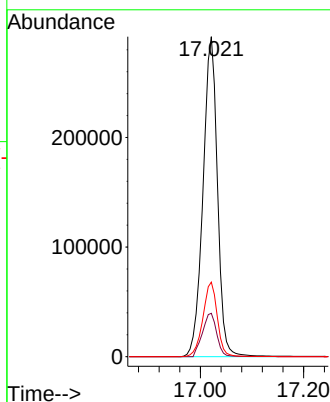
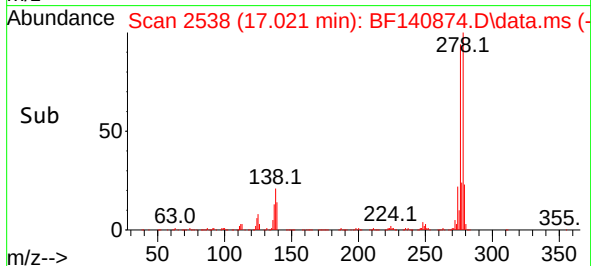
Tgt Ion:278 Resp: 566580
Ion Ratio Lower Upper
278 100
139 13.6 10.6 16.0
279 23.3 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#92
Benzo(g,h,i)perylene
Concen: 52.074 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.035 min
Lab File: BF140874.D
Acq: 17 Dec 2024 10:16

Tgt Ion:276 Resp: 529403
Ion Ratio Lower Upper
276 100
277 23.2 18.7 28.1
138 17.7 14.2 21.2

