

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012125\
 Data File : BF141233.D
 Acq On : 21 Jan 2025 14:02
 Operator : RC/JU
 Sample : Q1123-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

Quant Time: Jan 21 14:51:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	165395	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	646884	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	329131	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	484949	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	350866	20.000	ng	0.00
86) Perylene-d12	15.457	264	360260	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1033251	96.506	ng	0.00
7) Phenol-d6	6.439	99	1297766	95.691	ng	0.00
23) Nitrobenzene-d5	7.369	82	844261	69.182	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	389251	103.794	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1556855	72.232	ng	-0.02
79) Terphenyl-d14	12.916	244	1384649	58.655	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.593	88	194091	40.709	ng	99
3) Pyridine	3.328	79	482451	41.264	ng	96
4) n-Nitrosodimethylamine	3.275	42	255372	44.670	ng	98
6) Aniline	6.469	93	316860	26.315	ng	# 79
8) 2-Chlorophenol	6.592	128	560839	48.825	ng	97
9) Benzaldehyde	6.351	77	65785	8.236	ng	99
10) Phenol	6.451	94	673695	46.405	ng	95
11) bis(2-Chloroethyl)ether	6.539	93	530473	49.030	ng	97
12) 1,3-Dichlorobenzene	6.745	146	580638	45.322	ng	100
13) 1,4-Dichlorobenzene	6.822	146	588897	45.615	ng	99
14) 1,2-Dichlorobenzene	6.975	146	566032	47.003	ng	98
15) Benzyl Alcohol	6.945	79	484860	49.505	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.081	45	698536	46.267	ng	92
17) 2-Methylphenol	7.063	107	448833	48.398	ng	98
18) Hexachloroethane	7.316	117	217288	46.542	ng	99
19) n-Nitroso-di-n-propyla...	7.222	70	378082	47.326	ng	97
20) 3+4-Methylphenols	7.216	107	541773	46.306	ng	# 81
22) Acetophenone	7.216	105	731182	47.547	ng	96
24) Nitrobenzene	7.386	77	577421	45.400	ng	99
25) Isophorone	7.628	82	1038207	49.782	ng	99
26) 2-Nitrophenol	7.704	139	300028	51.859	ng	100
27) 2,4-Dimethylphenol	7.745	122	450639	57.746	ng	99
28) bis(2-Chloroethoxy)met...	7.839	93	645085	49.287	ng	100
29) 2,4-Dichlorophenol	7.945	162	459681	49.597	ng	100
30) 1,2,4-Trichlorobenzene	8.028	180	490421	46.292	ng	100
31) Naphthalene	8.110	128	1637440	47.999	ng	100
32) Benzoic acid	7.863	122	328186	43.840	ng	99
33) 4-Chloroaniline	8.157	127	186200	15.783	ng	100
34) Hexachlorobutadiene	8.228	225	307187	48.122	ng	99
35) Caprolactam	8.528	113	144300m	47.555	ng	
36) 4-Chloro-3-methylphenol	8.645	107	497988	49.129	ng	99
37) 2-Methylnaphthalene	8.798	142	1070368	49.238	ng	100
38) 1-Methylnaphthalene	8.898	142	979361	45.713	ng	99
40) 1,2,4,5-Tetrachloroben...	8.969	216	483191	51.149	ng	99
41) Hexachlorocyclopentadiene	8.951	237	354689	114.762	ng	99
43) 2,4,6-Trichlorophenol	9.080	196	322866	50.676	ng	99

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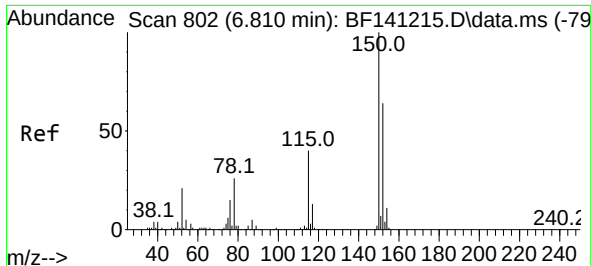
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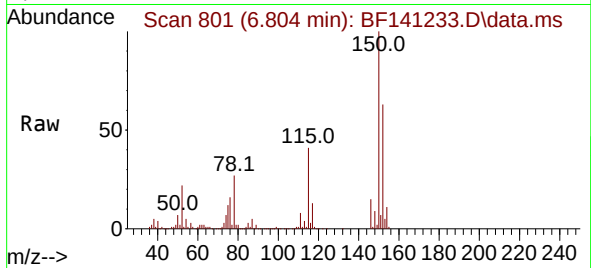
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	332737	49.450	ng	98
46) 1,1'-Biphenyl	9.269	154	1280064	50.080	ng	99
47) 2-Chloronaphthalene	9.292	162	957181	48.080	ng	99
48) 2-Nitroaniline	9.386	65	296618	50.262	ng	99
49) Acenaphthylene	9.710	152	1464045	51.473	ng	99
50) Dimethylphthalate	9.569	163	1155735	52.305	ng	100
51) 2,6-Dinitrotoluene	9.633	165	251585	48.963	ng	98
52) Acenaphthene	9.880	154	1018404	51.249	ng	100
53) 3-Nitroaniline	9.798	138	153166	29.333	ng	100
54) 2,4-Dinitrophenol	9.904	184	154759	63.365	ng	96
55) Dibenzofuran	10.051	168	1341224	49.621	ng	99
56) 4-Nitrophenol	9.963	139	389663	95.287	ng	97
57) 2,4-Dinitrotoluene	10.033	165	334455	50.508	ng	99
58) Fluorene	10.392	166	1032192	49.154	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	275427	49.244	ng	99
60) Diethylphthalate	10.269	149	1109170	51.419	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	500828	48.934	ng	97
62) 4-Nitroaniline	10.410	138	216062	42.277	ng	98
63) Azobenzene	10.545	77	1066743	50.118	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	111732	39.760	ng	97
66) n-Nitrosodiphenylamine	10.504	169	896353	57.305	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	319768	57.273	ng	99
68) Hexachlorobenzene	10.939	284	332186	53.448	ng	99
69) Atrazine	11.033	200	295740	70.219	ng	99
70) Pentachlorophenol	11.139	266	377043	94.730	ng	99
71) Phenanthrene	11.357	178	1639668	62.979	ng	100
72) Anthracene	11.410	178	1432562	56.588	ng	100
73) Carbazole	11.563	167	1179873	50.829	ng	100
74) Di-n-butylphthalate	11.898	149	1547808	58.265	ng	100
75) Fluoranthene	12.545	202	1626088	62.588	ng	99
77) Benzidine	12.668	184	399642	61.421	ng	99
78) Pyrene	12.774	202	1618709	48.302	ng	99
80) Butylbenzylphthalate	13.398	149	550022	49.227	ng	99
81) Benzo(a)anthracene	13.968	228	1298905	54.397	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	268955	35.373	ng	99
83) Chrysene	14.010	228	1227001	54.917	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	758248	56.559	ng	100
85) Di-n-octyl phthalate	14.598	149	1294778	63.957	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	1066071	40.391	ng	98
88) Benzo(b)fluoranthene	15.033	252	1467226	63.159	ng	100
89) Benzo(k)fluoranthene	15.062	252	1051916	53.582	ng	100
90) Benzo(a)pyrene	15.398	252	1169773	61.032	ng	100
91) Dibenzo(a,h)anthracene	16.933	278	842802	39.480	ng	98
92) Benzo(g,h,i)perylene	17.351	276	770412	34.696	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

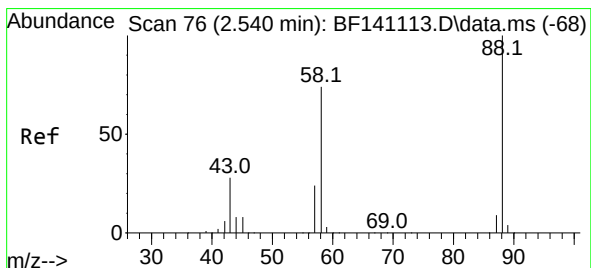
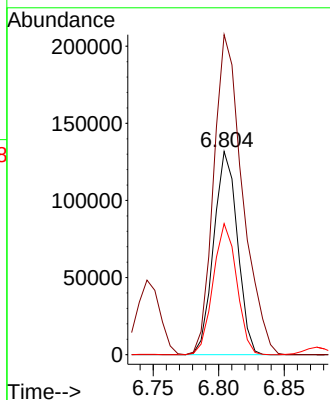
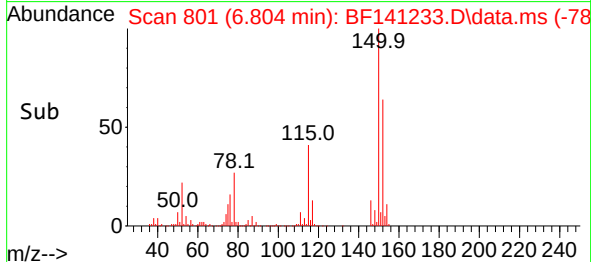
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:152 Resp: 16539
Ion Ratio Lower Upper
152 100
150 157.5 125.8 188.8
115 64.5 51.4 77.2

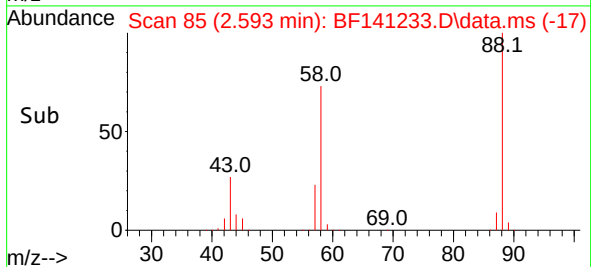
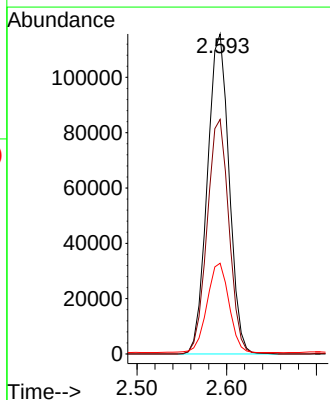
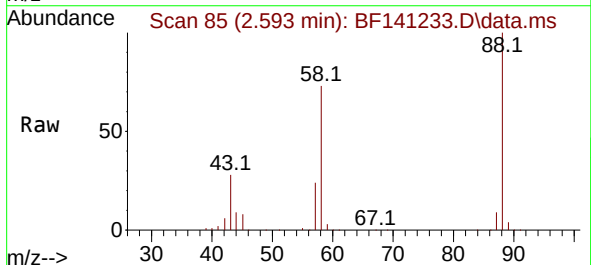
Manual Integrations
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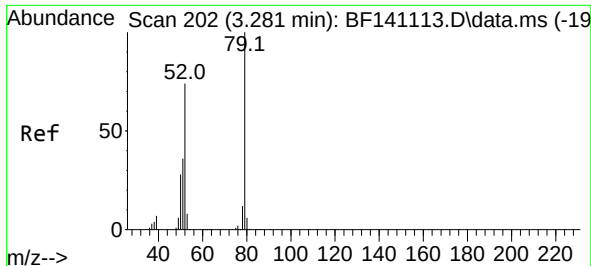
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#2
1,4-Dioxane
Concen: 40.709 ng
RT: 2.593 min Scan# 85
Delta R.T. 0.053 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

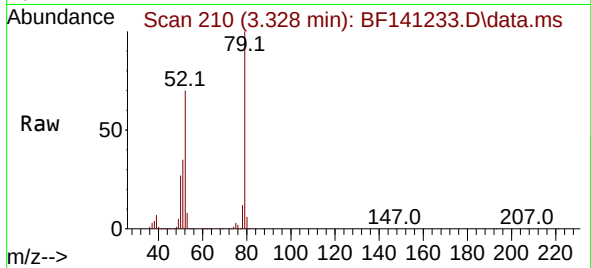
Tgt Ion: 88 Resp: 194091
Ion Ratio Lower Upper
88 100
58 73.8 60.1 90.1
43 28.3 23.1 34.7





#3
Pyridine
Concen: 41.264 ng
RT: 3.328 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

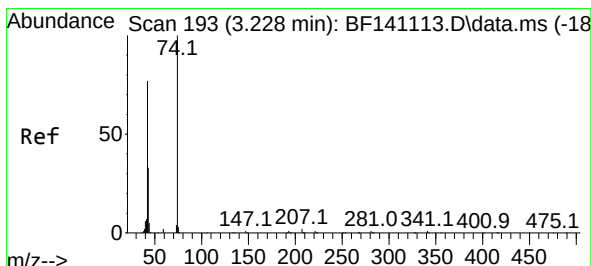
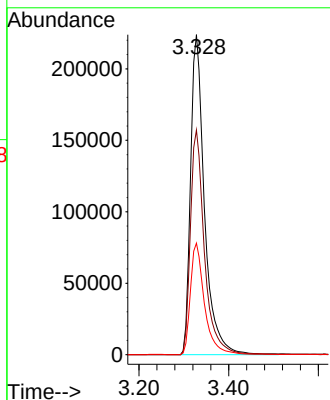
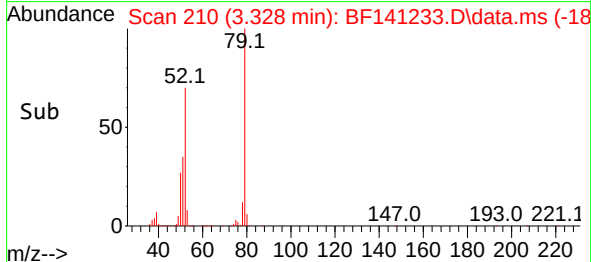
Instrument :
BNA_F
ClientSampleId :
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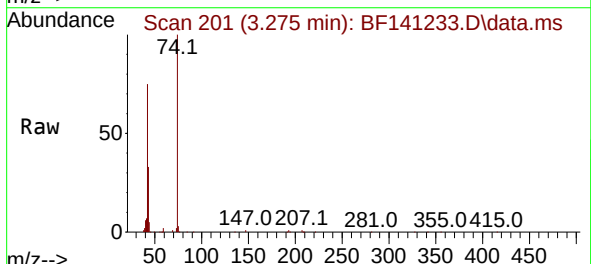
Tgt Ion: 79 Resp: 48245
Ion Ratio Lower Upper
79 100
52 70.2 58.9 88.3
51 34.8 29.1 43.7

Manual Integrations
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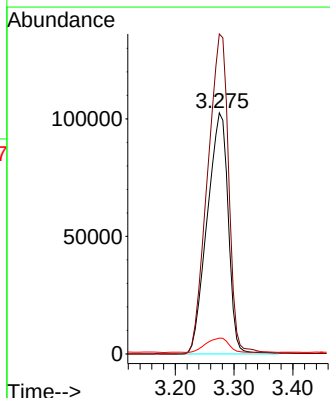
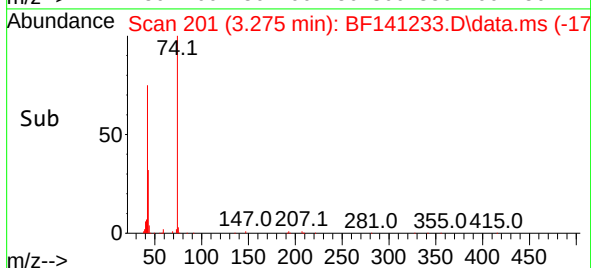
Reviewed By :Yogesh Patel 01/22/2025
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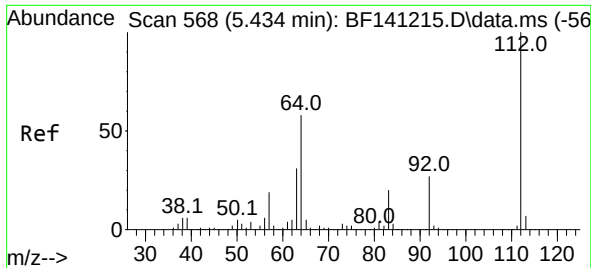


#4
n-Nitrosodimethylamine
Concen: 44.670 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion: 42 Resp: 255372
Ion Ratio Lower Upper
42 100
74 132.7 103.8 155.6
44 6.6 5.3 7.9





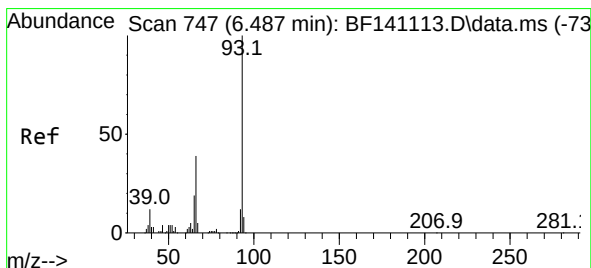
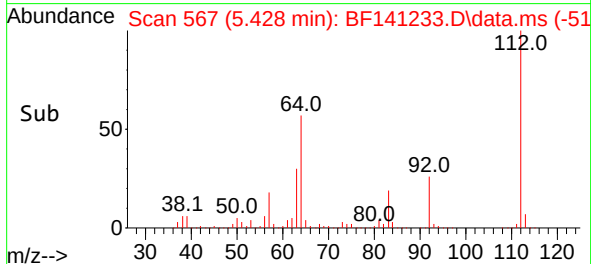
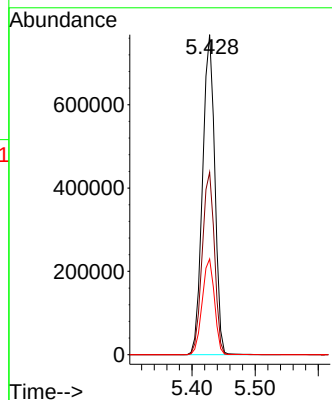
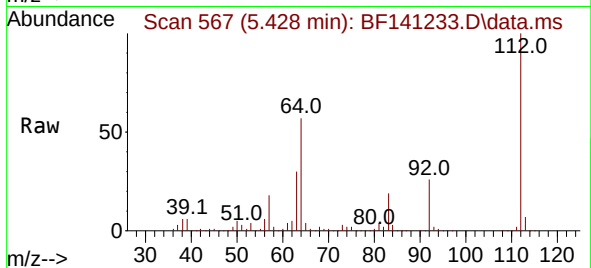
#5
2-Fluorophenol
Concen: 96.506 ng
RT: 5.428 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD

Tgt Ion:112 Resp: 103325
Ion Ratio Lower Upper
112 100
64 57.0 47.3 70.9
63 29.9 24.2 36.2

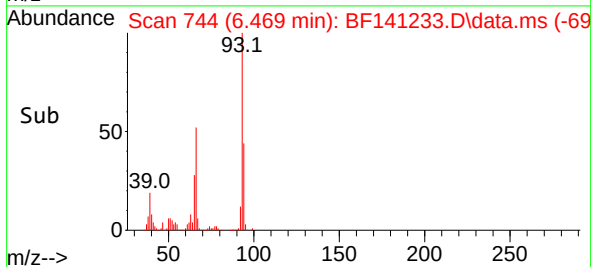
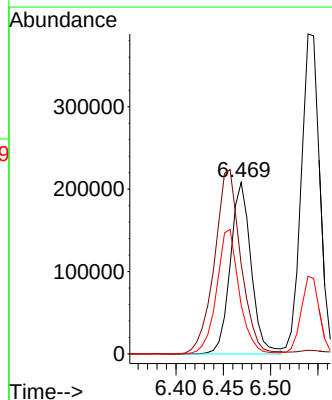
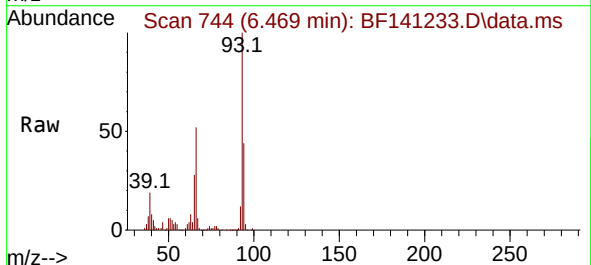
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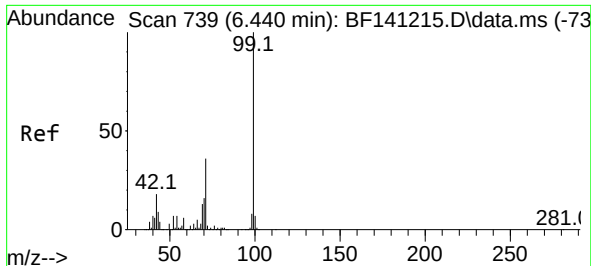
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#6
Aniline
Concen: 26.315 ng
RT: 6.469 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

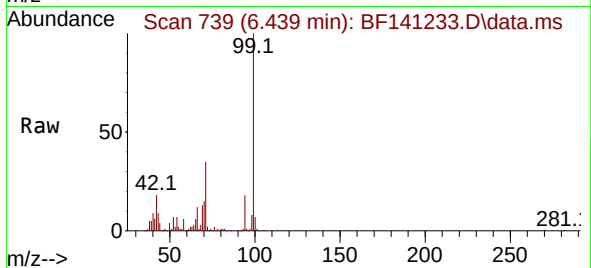
Tgt Ion: 93 Resp: 316860
Ion Ratio Lower Upper
93 100
66 52.3 31.5 47.3#
65 28.4 15.3 22.9#





#7
Phenol-d6
Concen: 95.691 ng
RT: 6.439 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

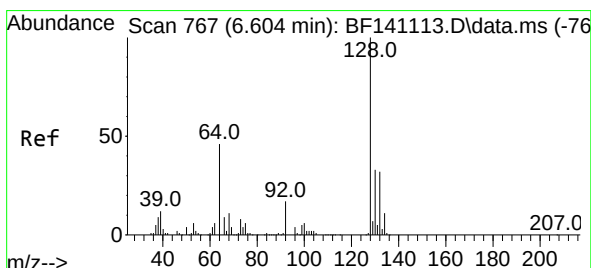
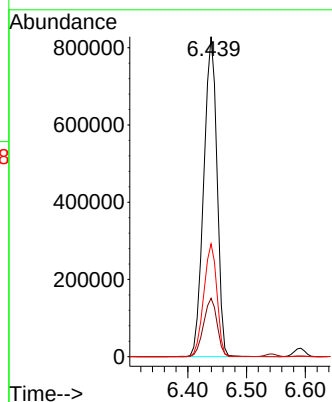
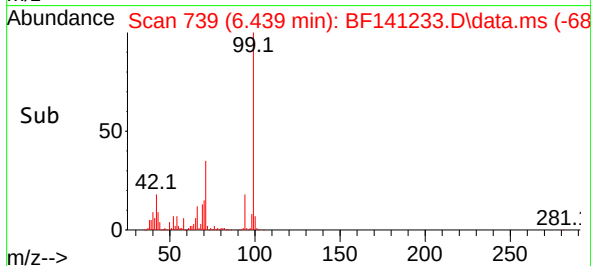
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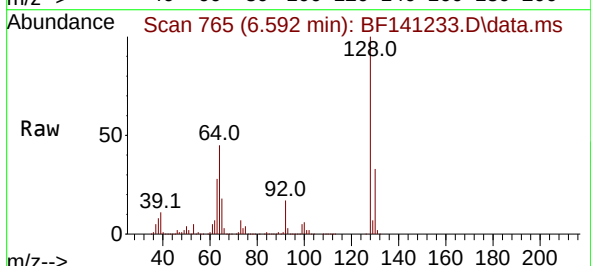
Tgt Ion: 99 Resp: 1297760
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.4
71 35.2 27.6 41.4

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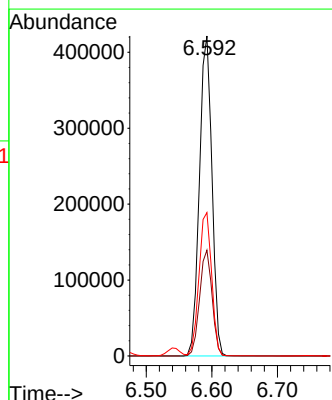
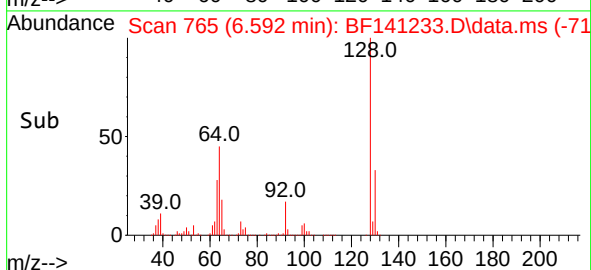
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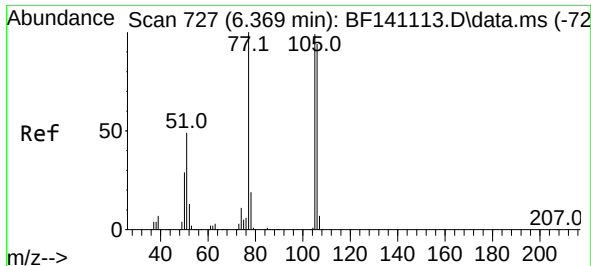


#8
2-Chlorophenol
Concen: 48.825 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



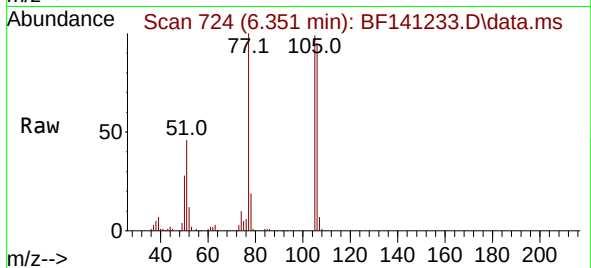
Tgt Ion:128 Resp: 560839
Ion Ratio Lower Upper
128 100
130 33.0 12.5 52.5
64 44.8 28.3 68.3





#9
Benzaldehyde
Concen: 8.236 ng
RT: 6.351 min Scan# 711
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

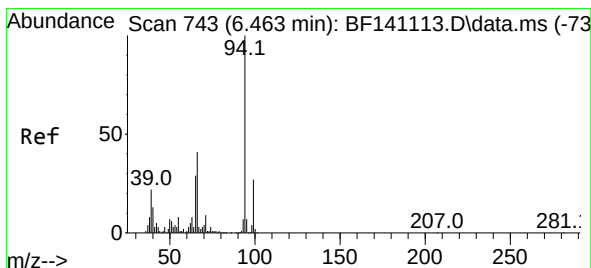
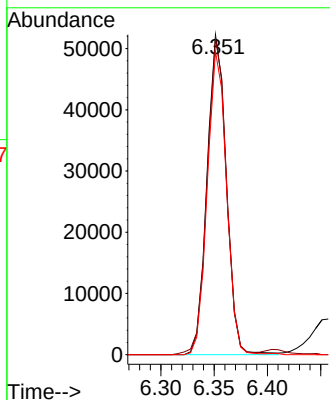
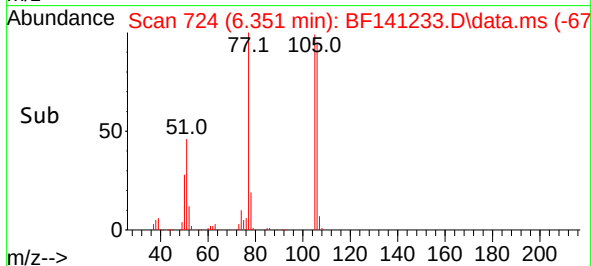
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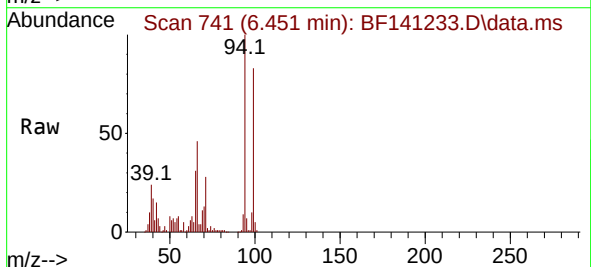
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Ion Ratio Lower Upper
77 100
105 98.9 78.9 118.9
106 94.8 73.6 113.6

Manual Integrations
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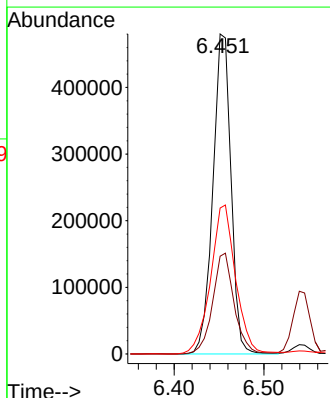
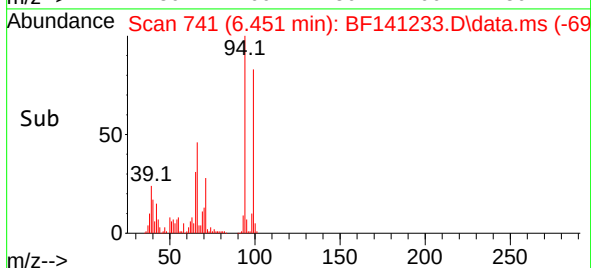
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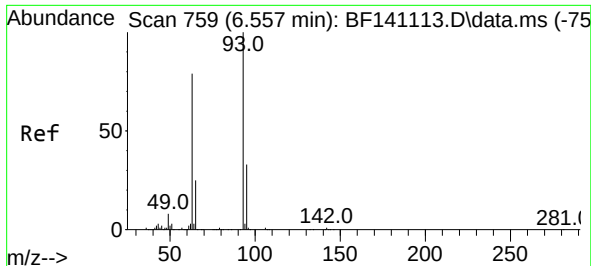


#10
Phenol
Concen: 46.405 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion: 94 Resp: 673695
Ion Ratio Lower Upper
94 100
65 30.6 8.9 48.9
66 45.6 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 49.030 ng

RT: 6.539 min Scan# 710

Delta R.T. -0.018 min

Lab File: BF141233.D

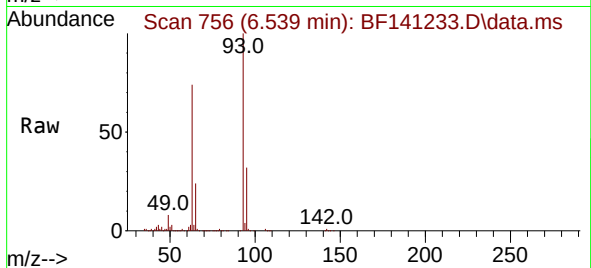
Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

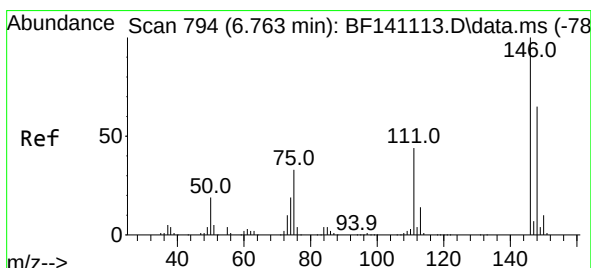
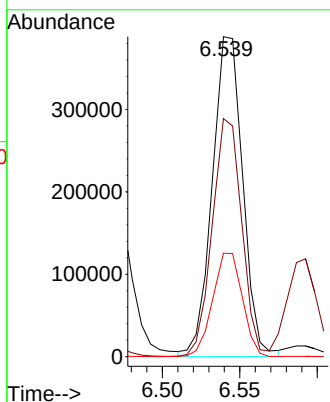
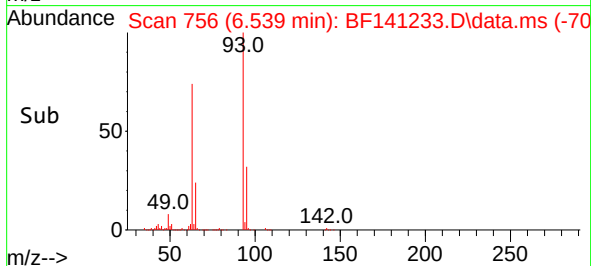


Tgt Ion: 93 Resp: 53047

Ion	Ratio	Lower	Upper
93	100		
63	74.4	58.0	98.0
95	32.3	12.5	52.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#12

1,3-Dichlorobenzene

Concen: 45.322 ng

RT: 6.745 min Scan# 791

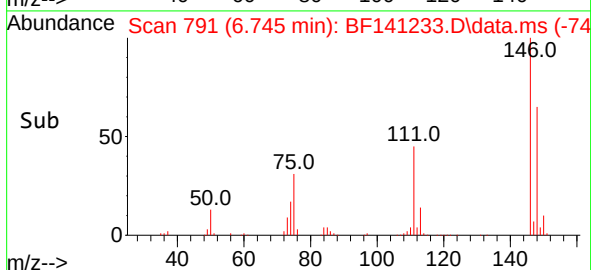
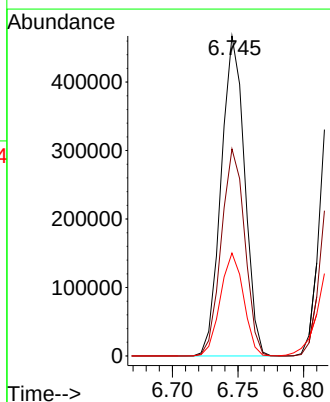
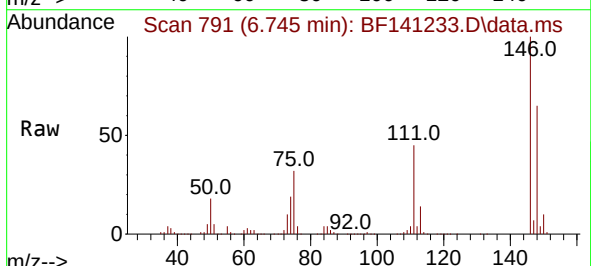
Delta R.T. -0.018 min

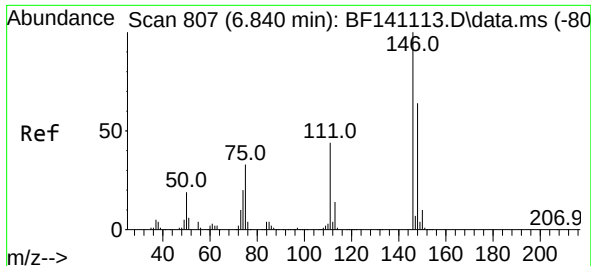
Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Tgt Ion:146 Resp: 580638

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
75	32.2	26.2	39.2





#13

1,4-Dichlorobenzene

Concen: 45.615 ng

RT: 6.822 min Scan# 80

Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

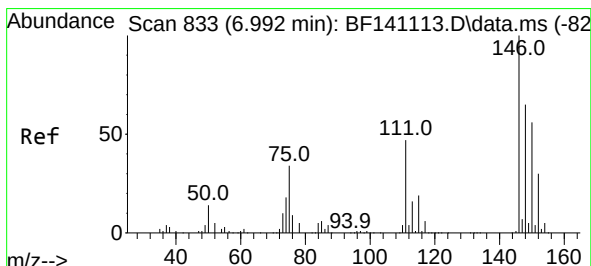
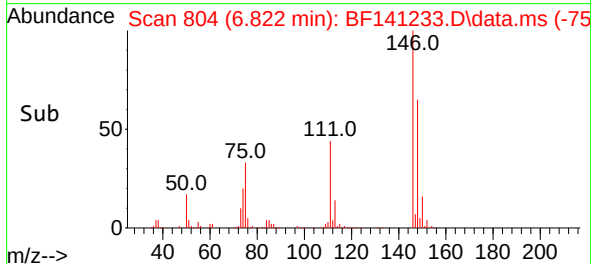
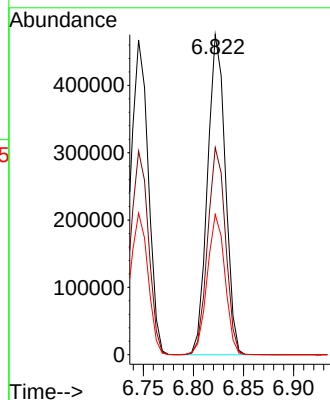
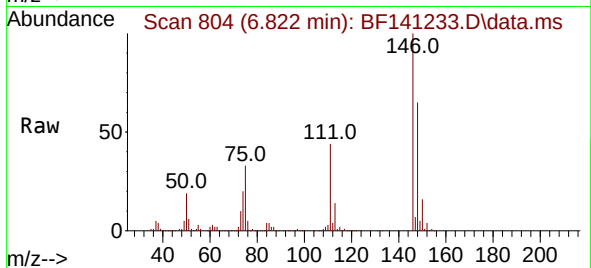
ClientSampleId :

BU-03-1172025MSD

Tgt Ion:146 Resp: 58889
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.0 76.6
 111 43.8 34.9 52.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025



#14

1,2-Dichlorobenzene

Concen: 47.003 ng

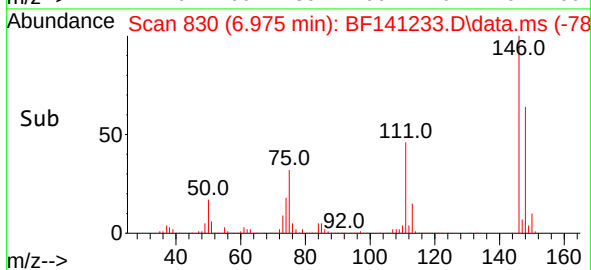
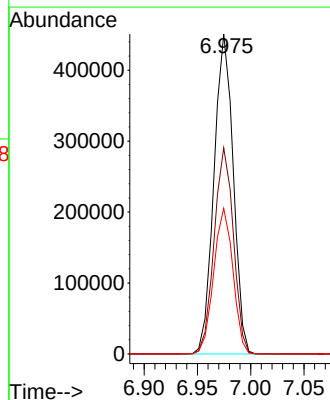
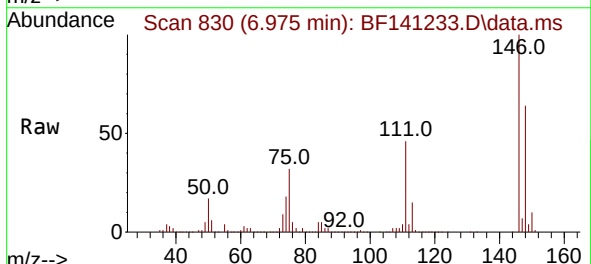
RT: 6.975 min Scan# 830

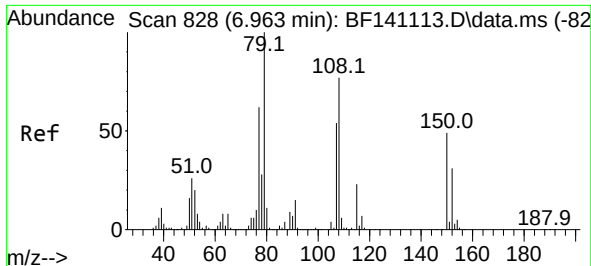
Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

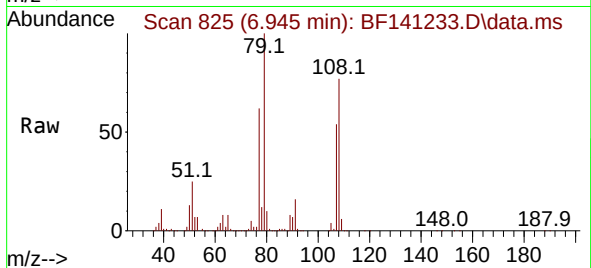
Tgt Ion:146 Resp: 566032
 Ion Ratio Lower Upper
 146 100
 148 64.4 52.2 78.4
 111 45.5 37.5 56.3





#15
Benzyl Alcohol
Concen: 49.505 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

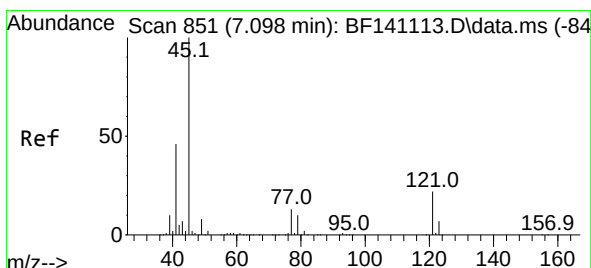
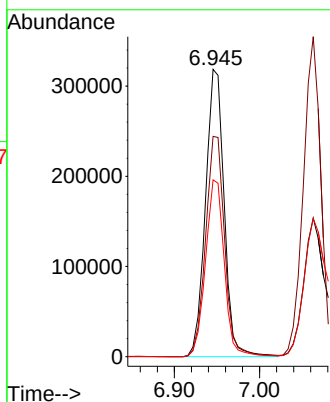
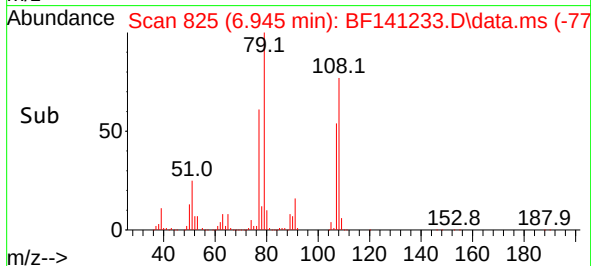
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion: 79 Resp: 484860
Ion Ratio Lower Upper
79 100
108 76.7 61.4 92.0
77 61.6 49.8 74.6

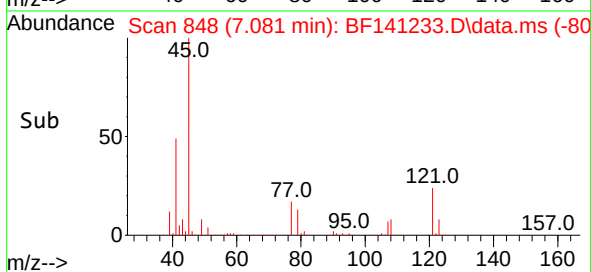
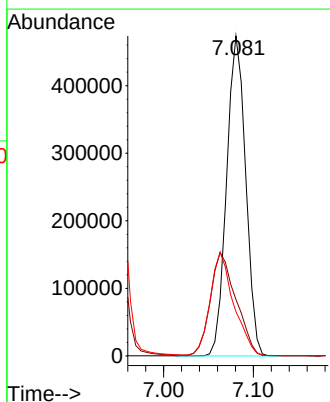
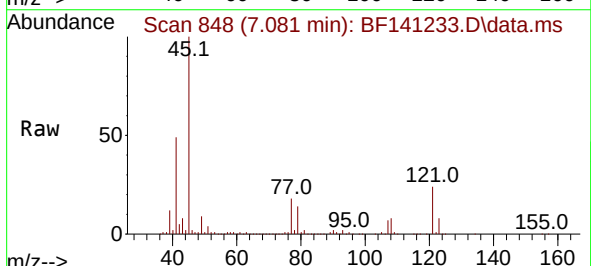
Manual Integrations
APPROVED

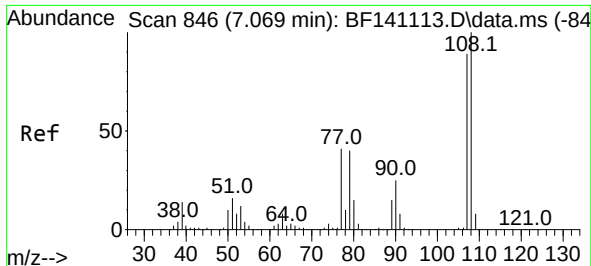
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.267 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

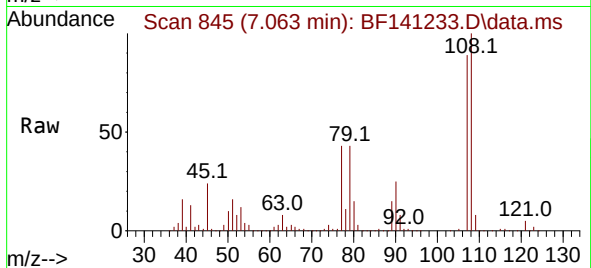
Tgt Ion: 45 Resp: 698536
Ion Ratio Lower Upper
45 100
77 17.6 0.0 34.1
79 13.8 0.0 31.0





#17
2-Methylphenol
Concen: 48.398 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

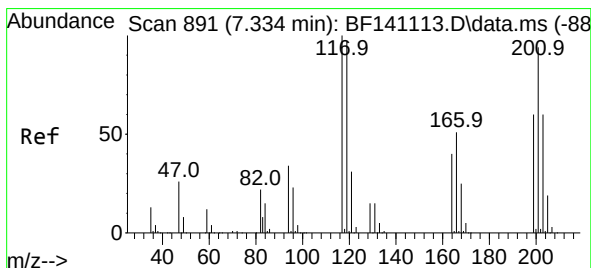
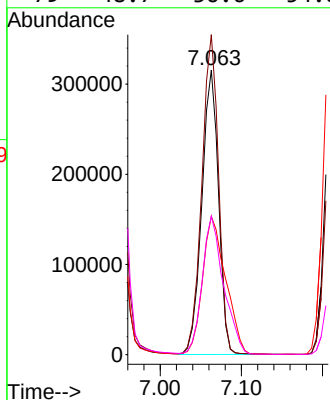
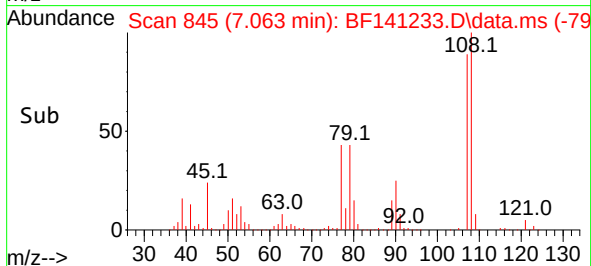
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



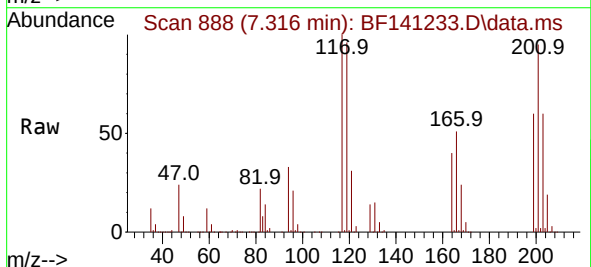
Tgt Ion:107 Resp: 448833
Ion Ratio Lower Upper
107 100
108 112.4 90.1 135.1
77 48.5 36.6 55.0
79 48.7 36.6 54.8

Manual Integrations
APPROVED

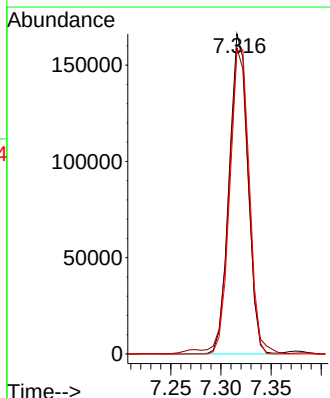
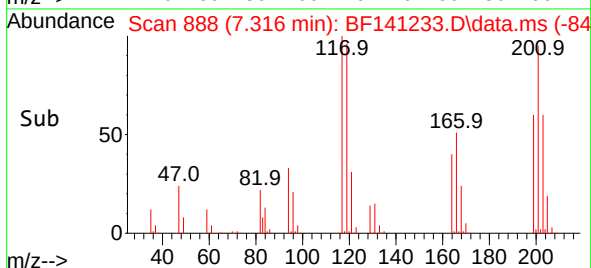
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

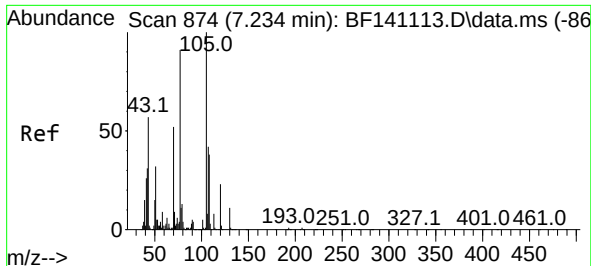


#18
Hexachloroethane
Concen: 46.542 ng
RT: 7.316 min Scan# 888
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



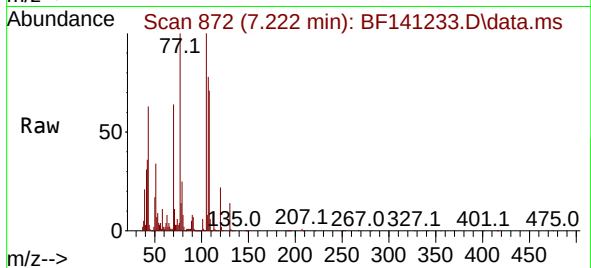
Tgt Ion:117 Resp: 217288
Ion Ratio Lower Upper
117 100
119 95.6 77.6 116.4
201 94.7 75.1 112.7





#19
n-Nitroso-di-n-propylamine
Concen: 47.326 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

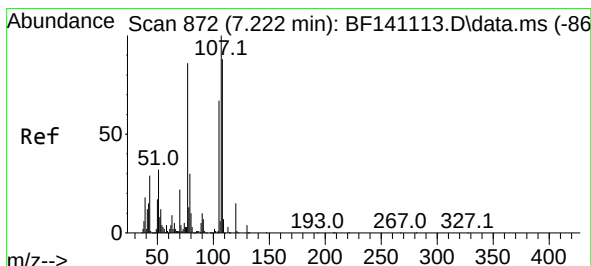
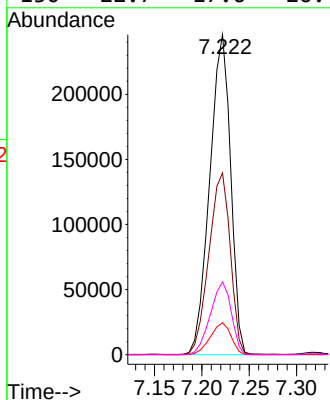
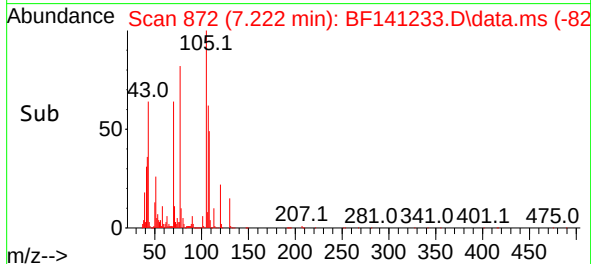
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



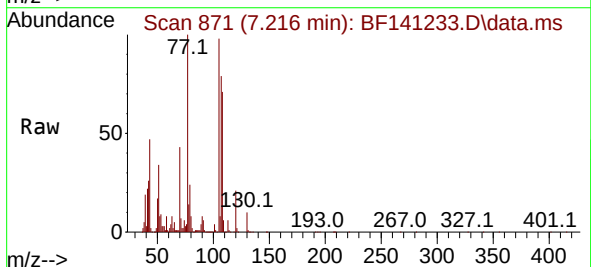
Tgt Ion: 70 Resp: 37808
Ion Ratio Lower Upper
70 100
42 56.8 47.8 71.6
101 10.0 7.9 11.9
130 22.7 17.6 26.4

Manual Integrations
APPROVED

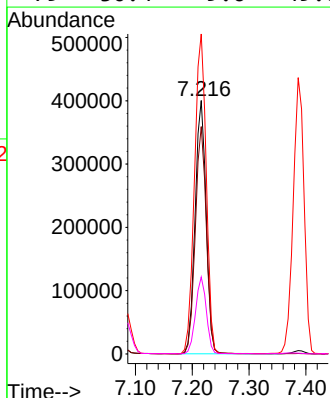
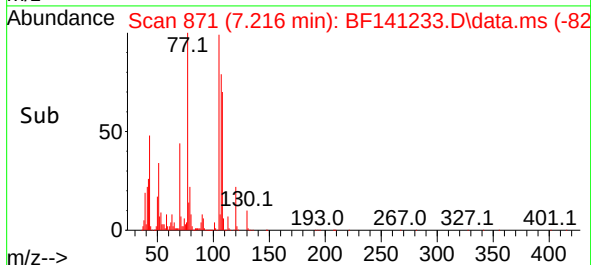
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

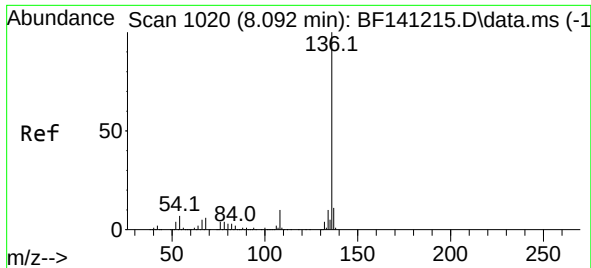


#20
3+4-Methylphenols
Concen: 46.306 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



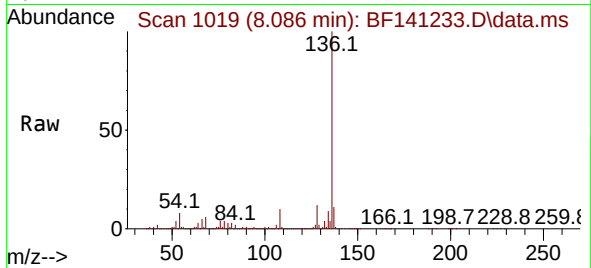
Tgt Ion:107 Resp: 541773
Ion Ratio Lower Upper
107 100
108 89.7 68.3 108.3
77 126.2 66.4 106.4#
79 30.4 9.6 49.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

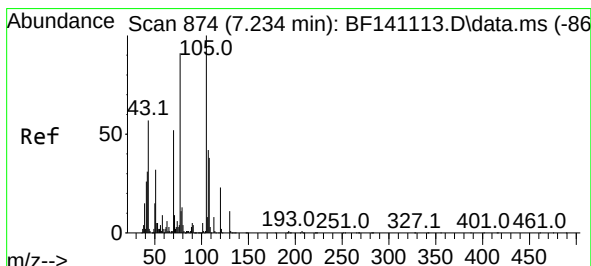
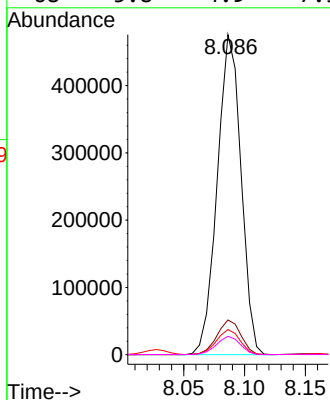
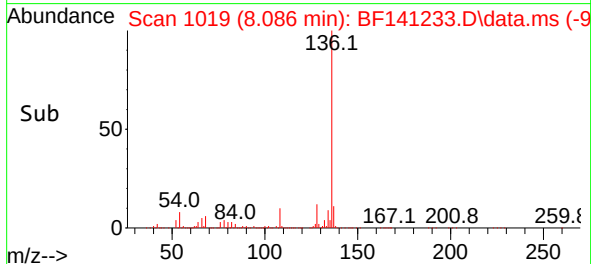
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:136 Resp: 646884
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.8 6.3 9.5
68 5.8 4.9 7.3

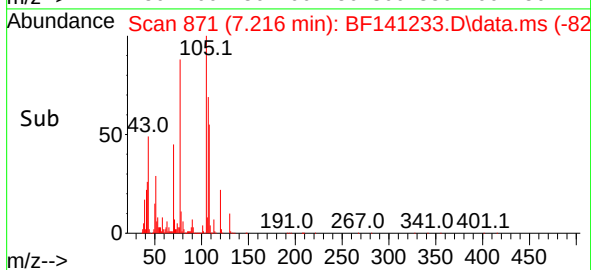
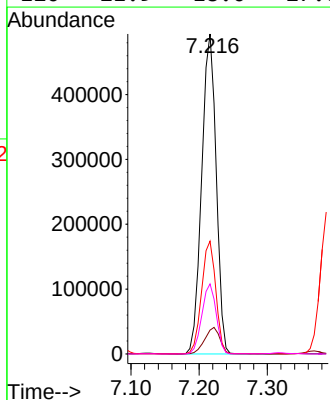
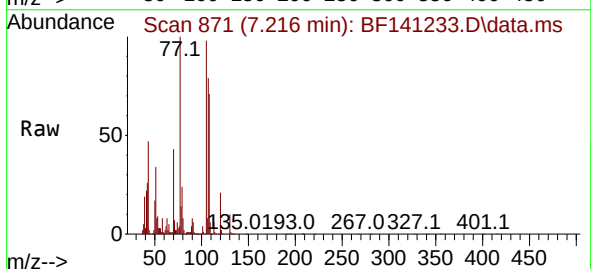
Manual Integrations
APPROVED

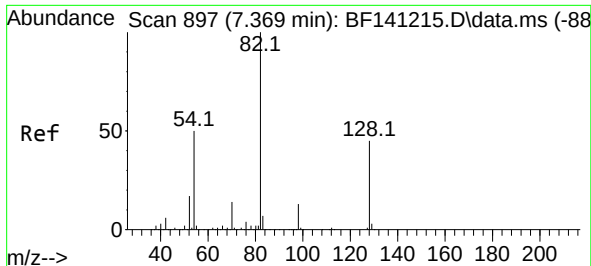
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#22
Acetophenone
Concen: 47.547 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Tgt Ion:105 Resp: 731182
Ion Ratio Lower Upper
105 100
71 7.5 7.1 10.7
51 35.3 25.4 38.2
120 21.9 18.0 27.0





#23

Nitrobenzene-d5

Concen: 69.182 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

Tgt Ion: 82 Resp: 84426

Ion Ratio Lower Upper

82 100

128 45.3 36.1 54.1

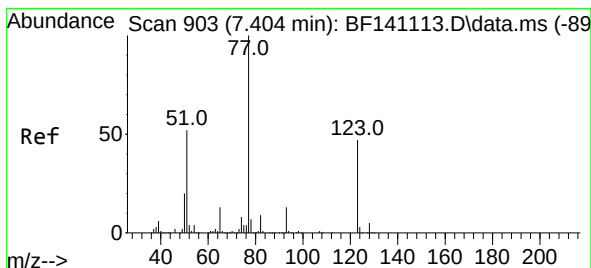
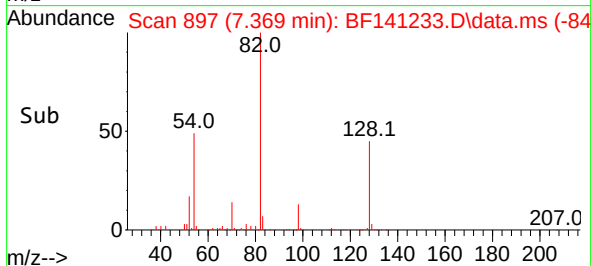
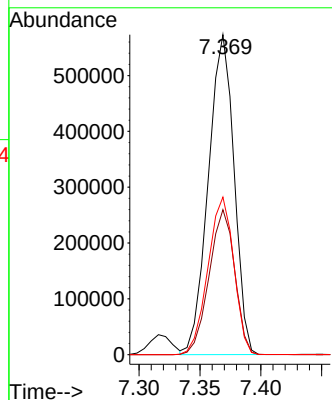
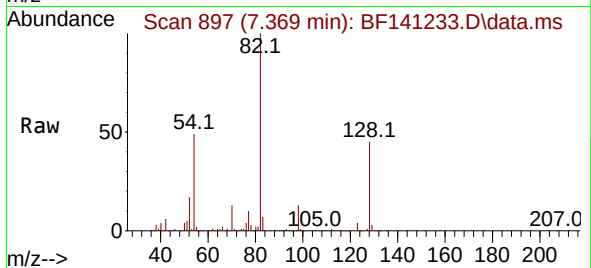
54 49.2 41.0 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#24

Nitrobenzene

Concen: 45.400 ng

RT: 7.386 min Scan# 900

Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

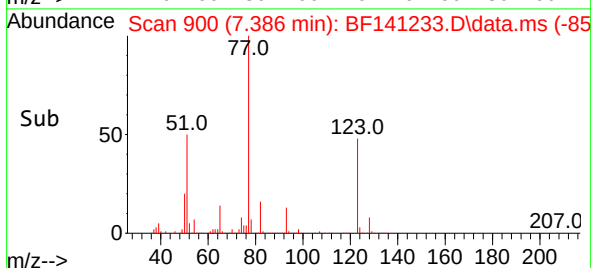
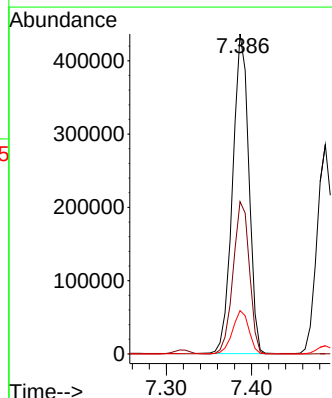
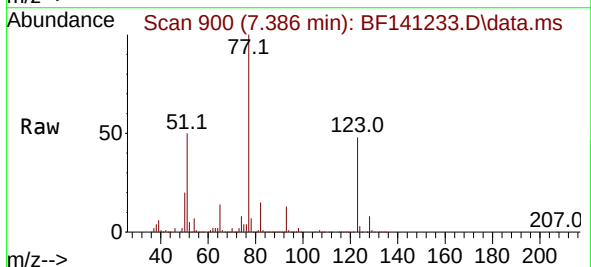
Tgt Ion: 77 Resp: 577421

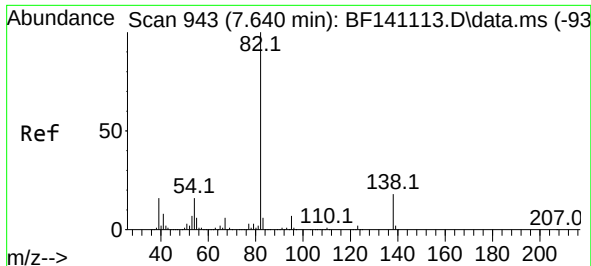
Ion Ratio Lower Upper

77 100

123 47.6 37.7 56.5

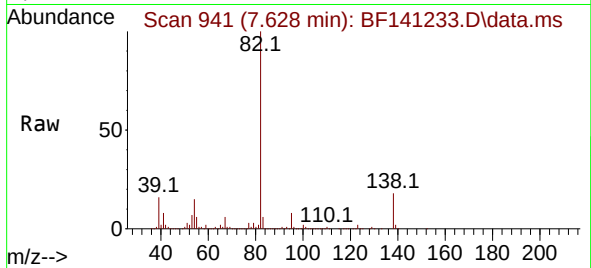
65 13.5 10.6 16.0





#25
Isophorone
Concen: 49.782 ng
RT: 7.628 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

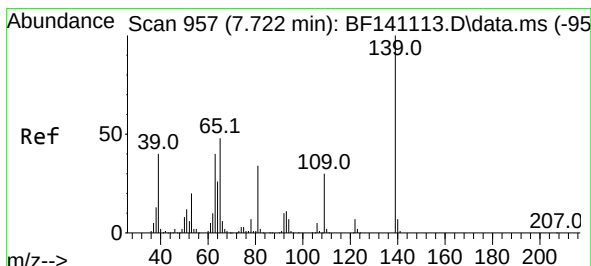
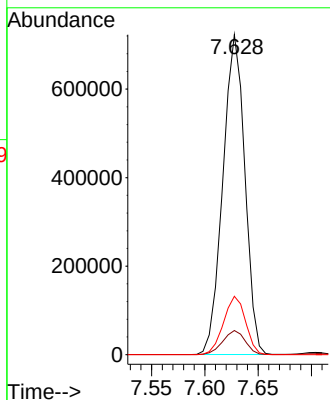
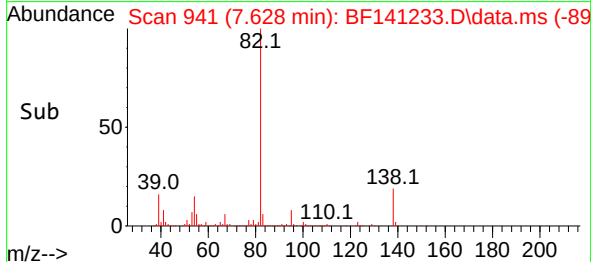
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion: 82 Resp: 103820
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 18.2 14.2 21.2

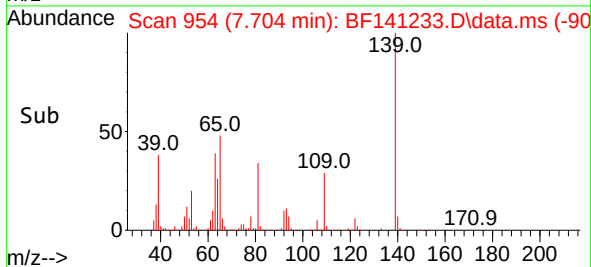
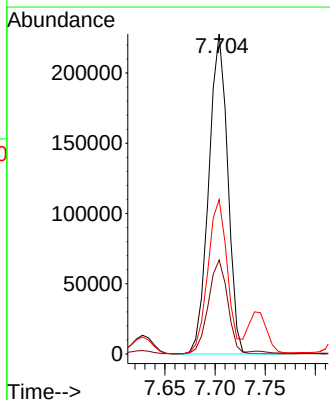
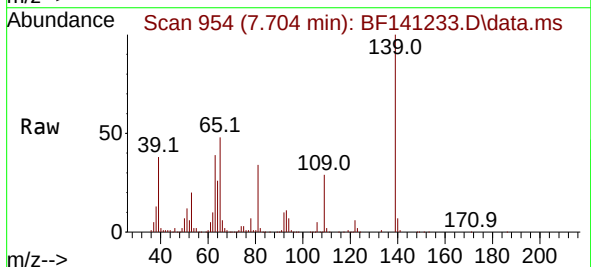
Manual Integrations
APPROVED

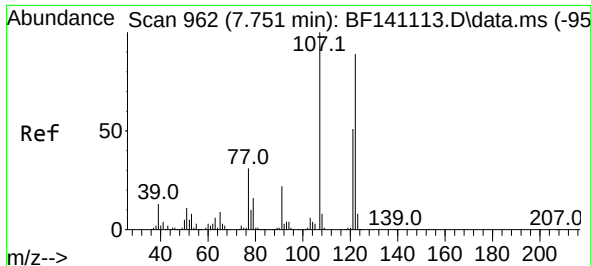
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#26
2-Nitrophenol
Concen: 51.859 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Tgt Ion:139 Resp: 300028
Ion Ratio Lower Upper
139 100
109 29.4 23.8 35.6
65 48.2 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 57.746 ng

RT: 7.745 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141233.D

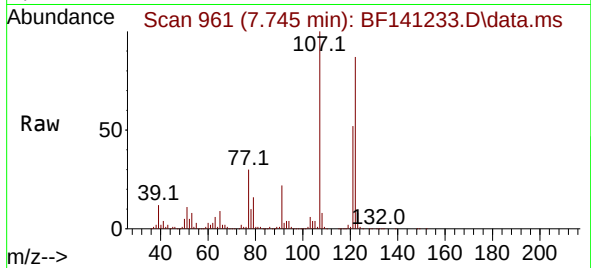
Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD



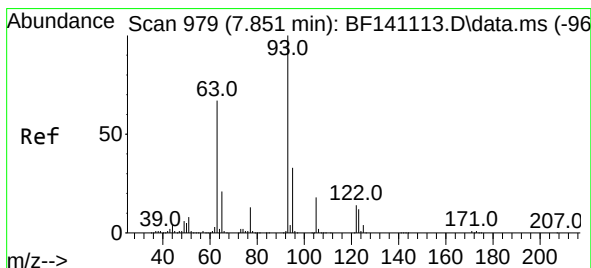
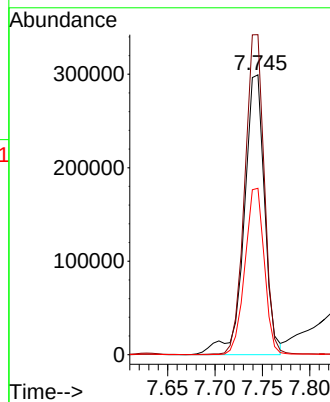
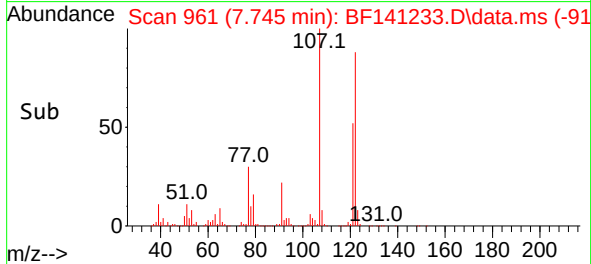
Tgt Ion:	122	Resp:	450639
Ion	Ratio	Lower	Upper
122	100		
107	114.3	90.3	135.5
121	59.4	46.5	69.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#28

bis(2-Chloroethoxy)methane

Concen: 49.287 ng

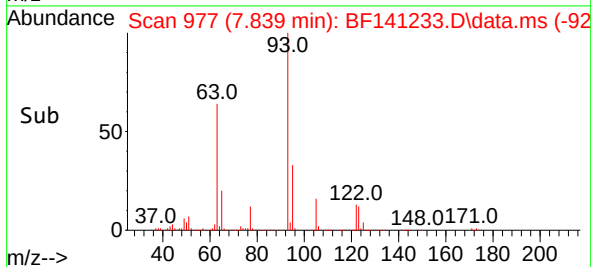
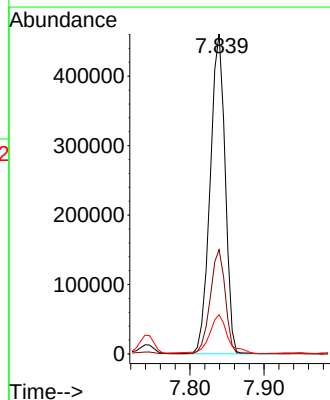
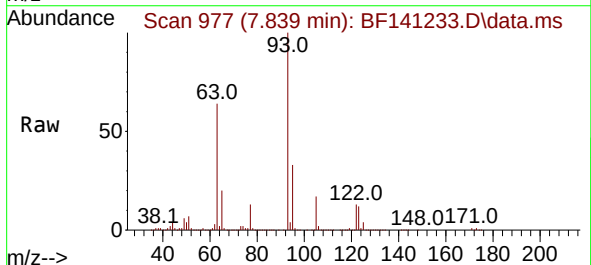
RT: 7.839 min Scan# 977

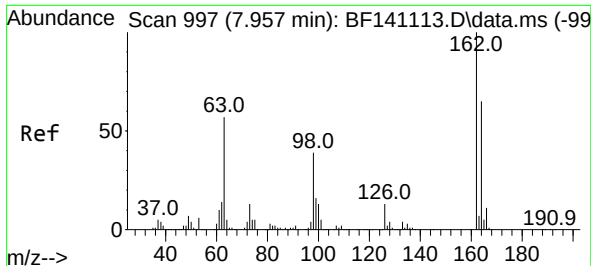
Delta R.T. -0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Tgt Ion:	93	Resp:	645085
Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	12.3	10.1	15.1





#29

2,4-Dichlorophenol

Concen: 49.597 ng

RT: 7.945 min Scan# 99

Delta R.T. -0.012 min

Lab File: BF141233.D

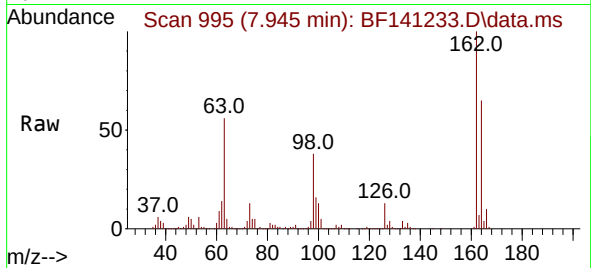
Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD



Tgt Ion:162 Resp: 45968

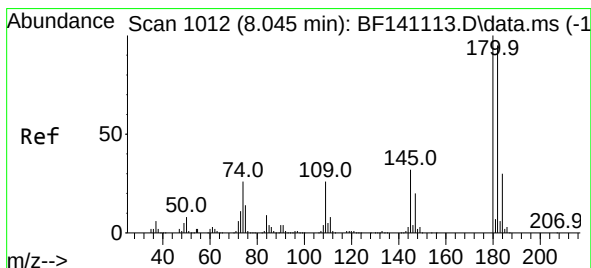
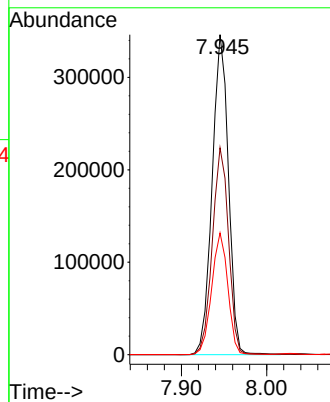
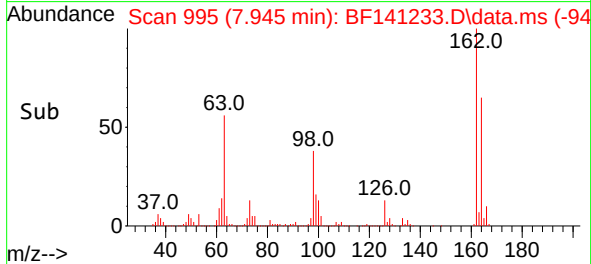
Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.5	84.5
98	38.1	18.5	58.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#30

1,2,4-Trichlorobenzene

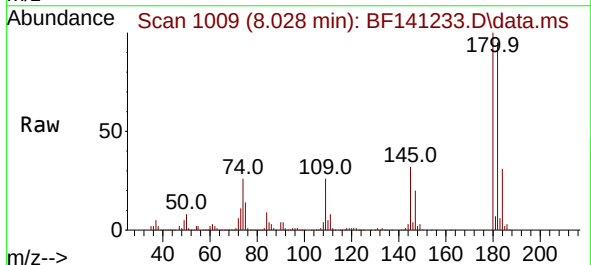
Concen: 46.292 ng

RT: 8.028 min Scan# 1009

Delta R.T. -0.018 min

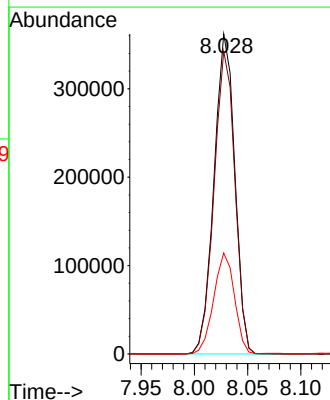
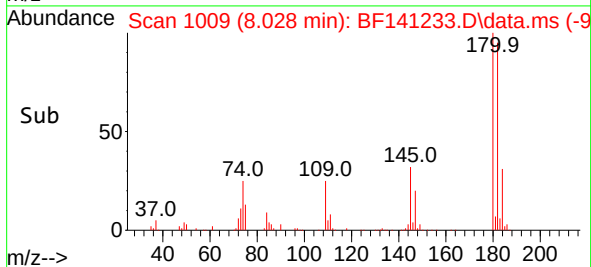
Lab File: BF141233.D

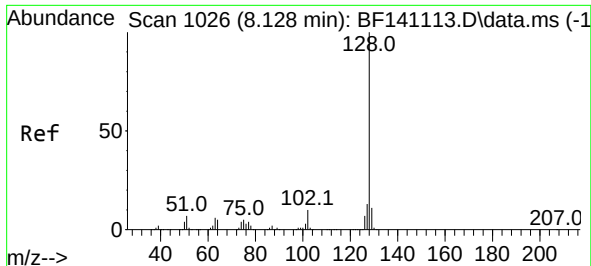
Acq: 21 Jan 2025 14:02



Tgt Ion:180 Resp: 490421

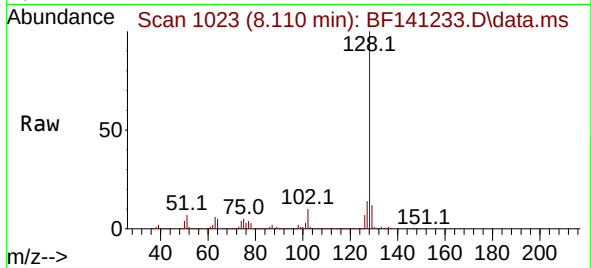
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.2
145	31.5	25.3	37.9





#31
Naphthalene
Concen: 47.999 ng
RT: 8.110 min Scan# 1026
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

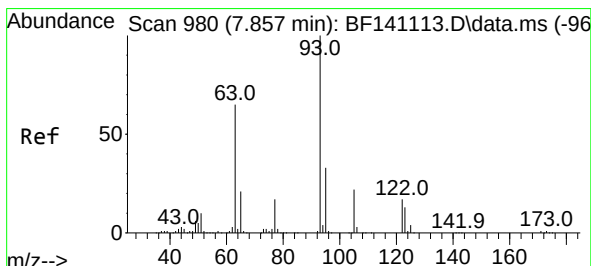
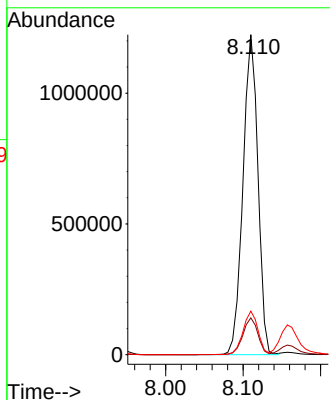
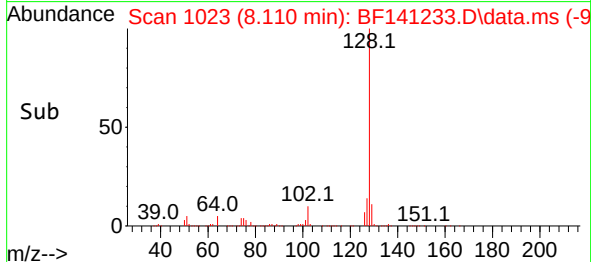
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:128 Resp: 1637440
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.6
127 13.6 10.8 16.2

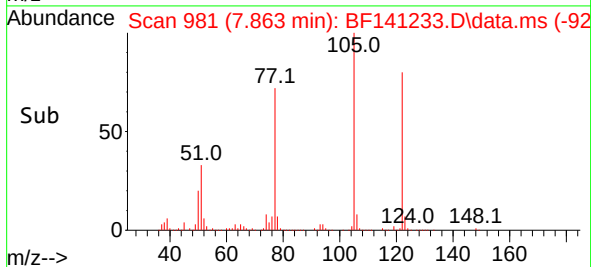
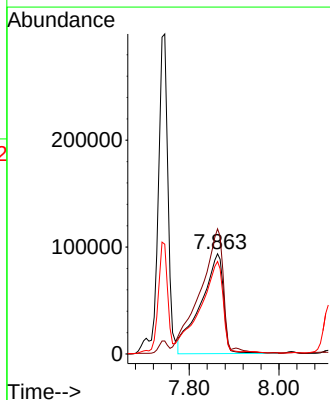
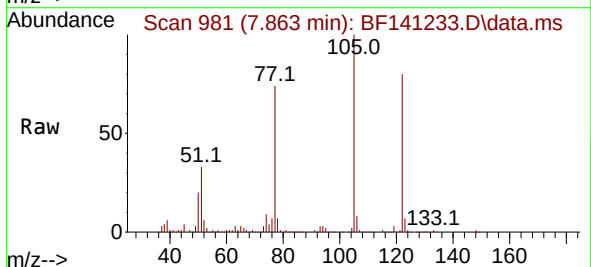
Manual Integrations
APPROVED

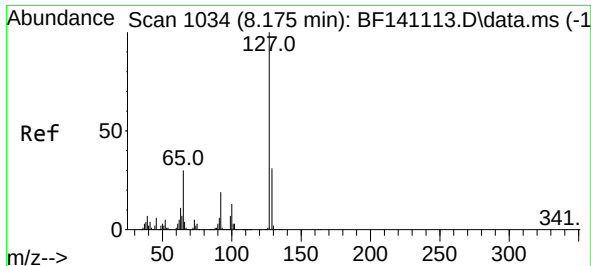
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#32
Benzoic acid
Concen: 43.840 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Tgt Ion:122 Resp: 328186
Ion Ratio Lower Upper
122 100
105 125.1 105.5 145.5
77 92.4 75.1 115.1





#33

4-Chloroaniline

Concen: 15.783 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

Tgt Ion:127 Resp: 186200

Ion Ratio Lower Upper

127 100

129 32.3 25.9 38.9

65 29.3 23.8 35.8

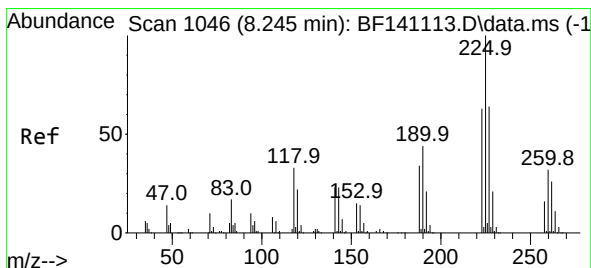
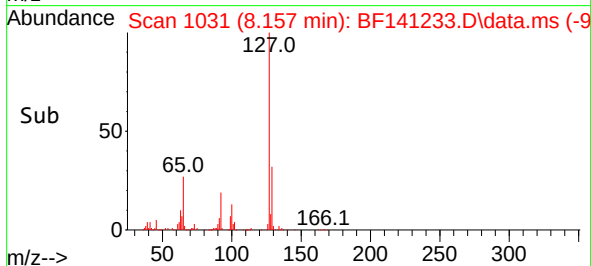
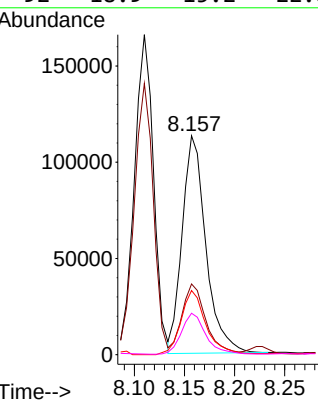
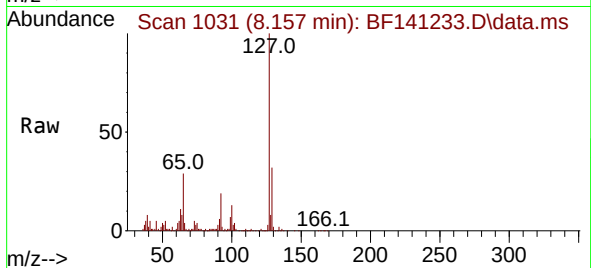
92 18.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#34

Hexachlorobutadiene

Concen: 48.122 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

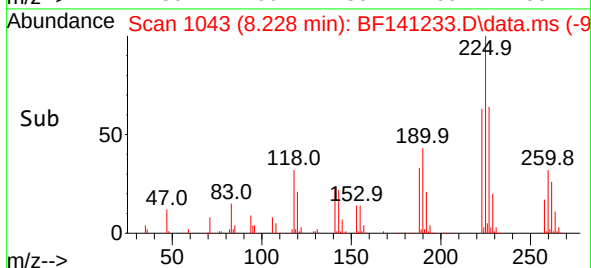
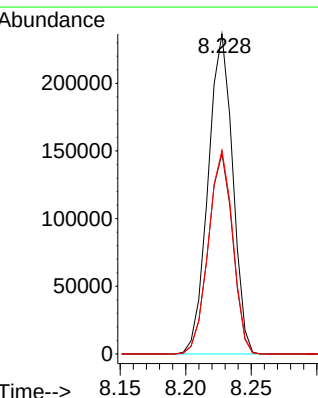
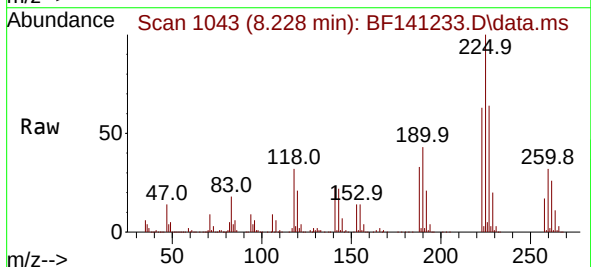
Tgt Ion:225 Resp: 307187

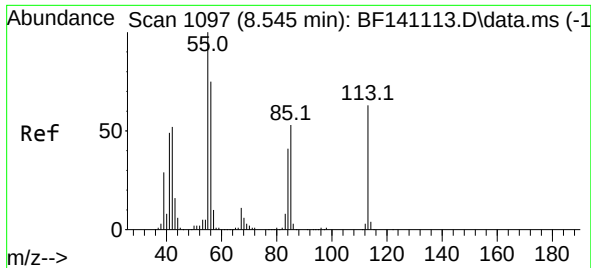
Ion Ratio Lower Upper

225 100

223 62.6 50.6 76.0

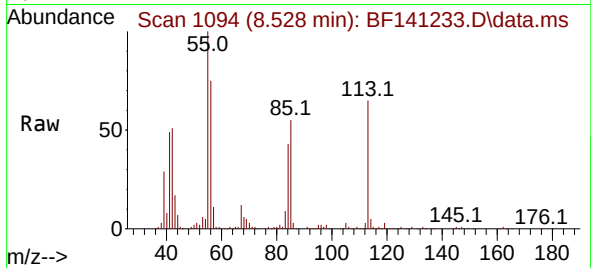
227 63.7 51.6 77.4





#35
Caprolactam
Concen: 47.555 ng m
RT: 8.528 min Scan# 1097
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

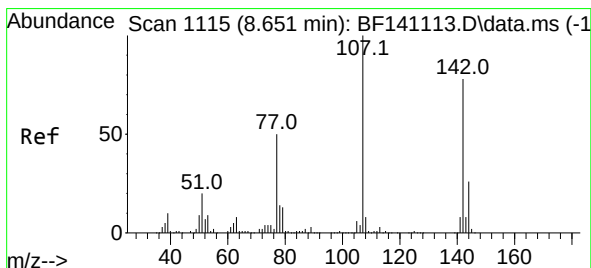
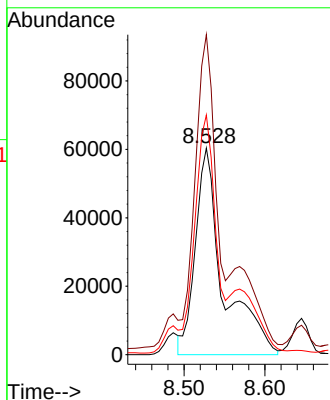
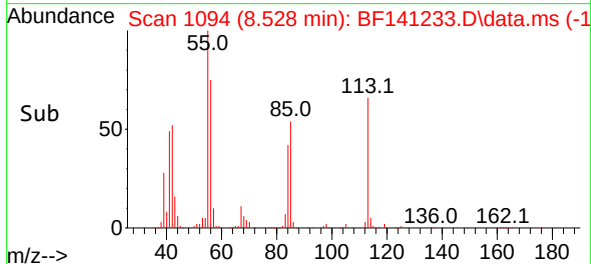
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:113 Resp: 144300
Ion Ratio Lower Upper
113 100
55 154.9 139.7 179.7
56 116.0 99.4 139.4

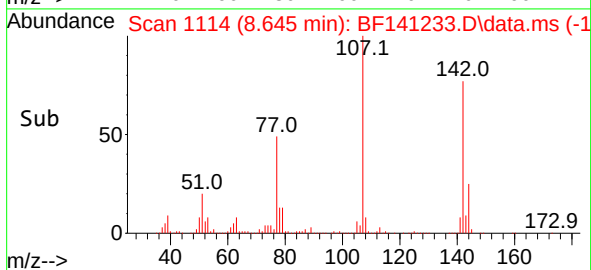
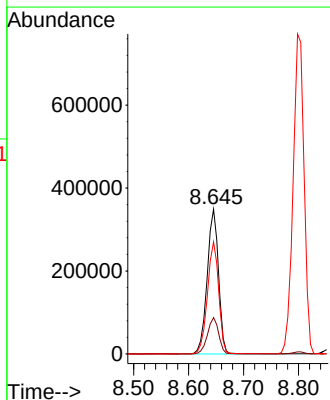
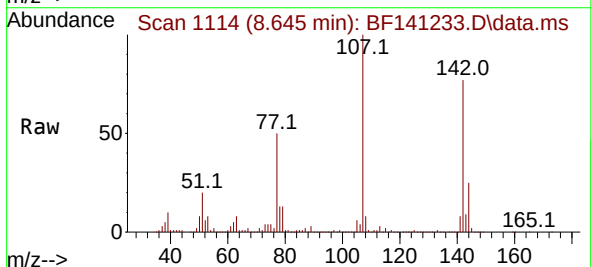
Manual Integrations
APPROVED

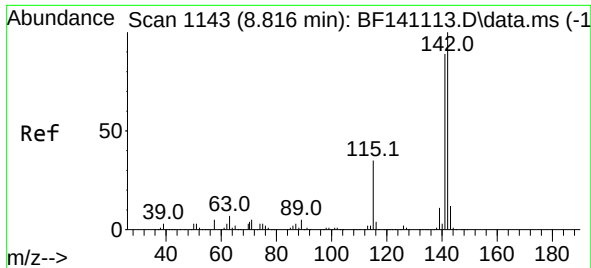
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#36
4-Chloro-3-methylphenol
Concen: 49.129 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

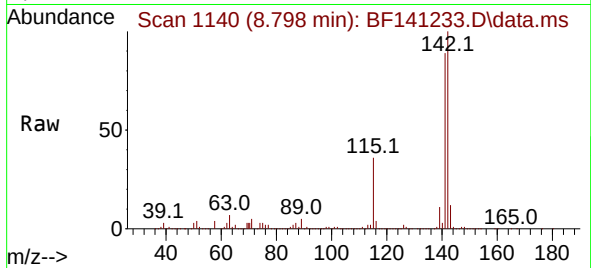
Tgt Ion:107 Resp: 497988
Ion Ratio Lower Upper
107 100
144 25.0 20.4 30.6
142 77.4 62.2 93.2





#37
2-Methylnaphthalene
Concen: 49.238 ng
RT: 8.798 min Scan# 1143
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

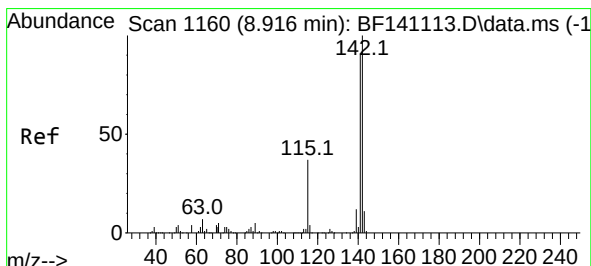
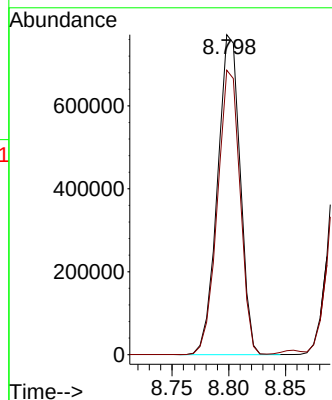
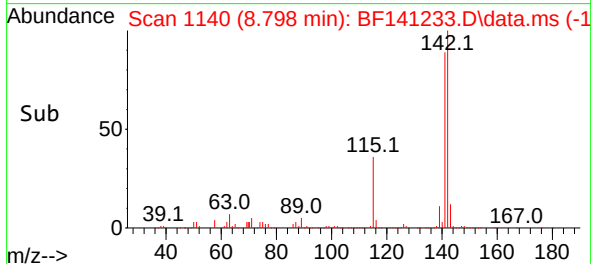
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:142 Resp: 107036
Ion Ratio Lower Upper
142 100
141 88.9 71.3 106.9

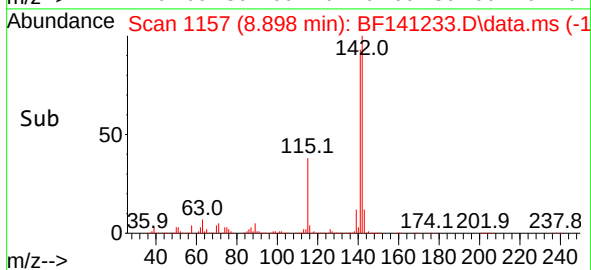
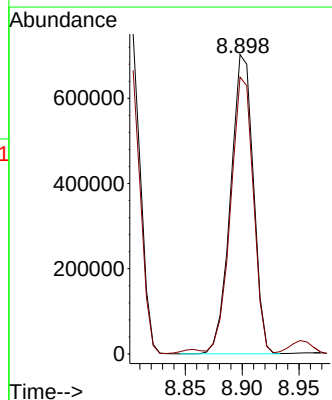
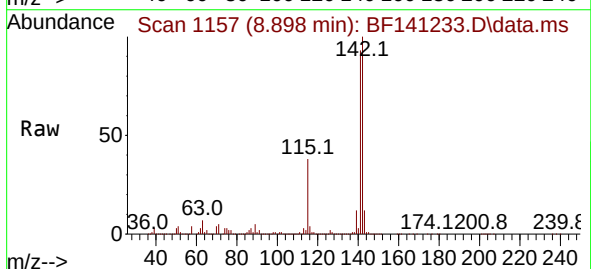
Manual Integrations
APPROVED

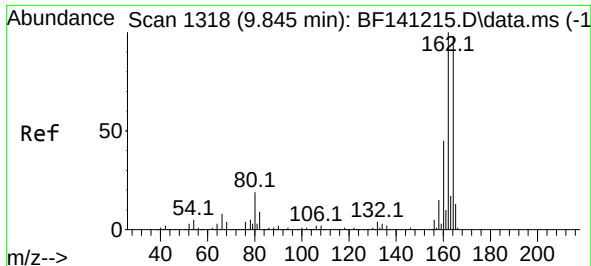
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#38
1-Methylnaphthalene
Concen: 45.713 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

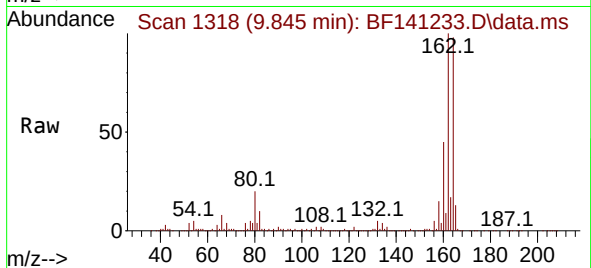
Tgt Ion:142 Resp: 979361
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

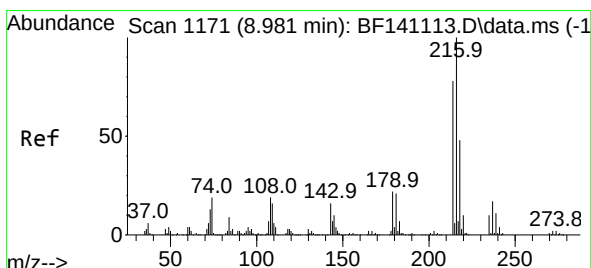
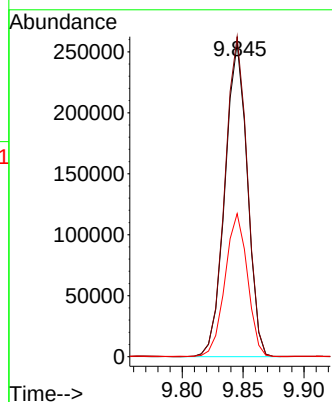
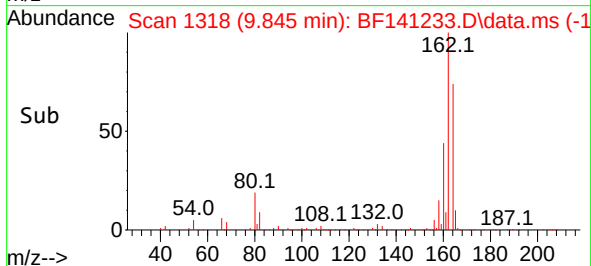
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:164 Resp: 32913
Ion Ratio Lower Upper
164 100
162 102.1 81.0 121.4
160 45.7 36.1 54.1

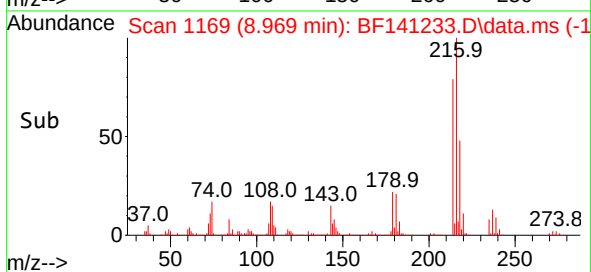
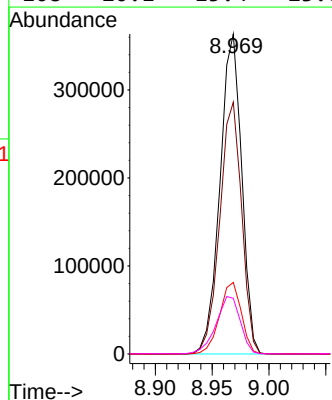
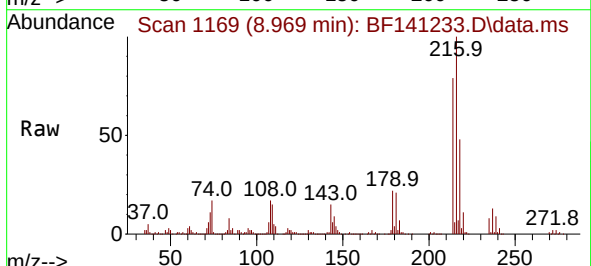
Manual Integrations
APPROVED

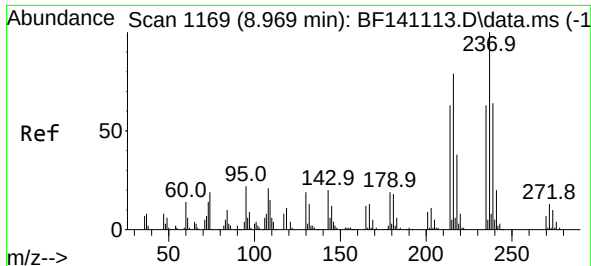
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.149 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

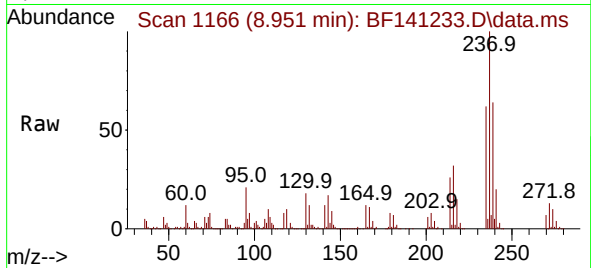
Tgt Ion:216 Resp: 483191
Ion Ratio Lower Upper
216 100
214 79.2 62.6 94.0
179 22.6 17.7 26.5
108 20.1 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 114.762 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

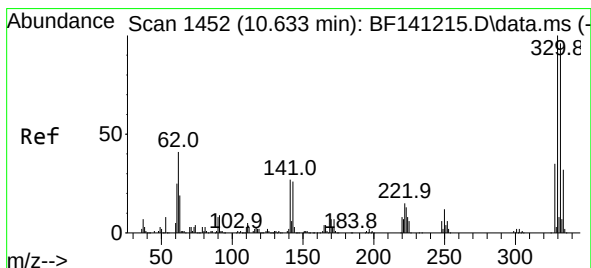
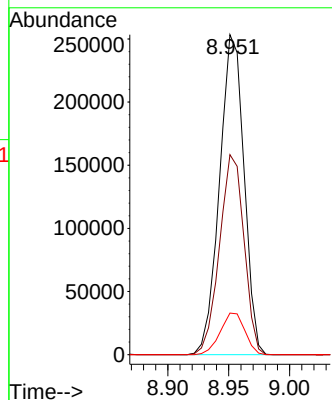
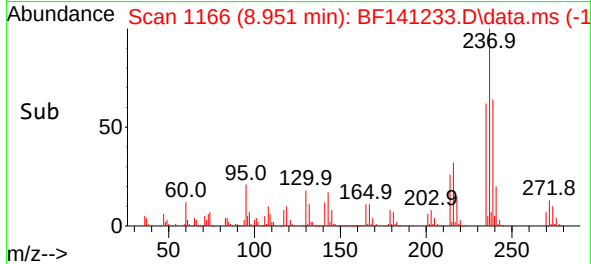
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



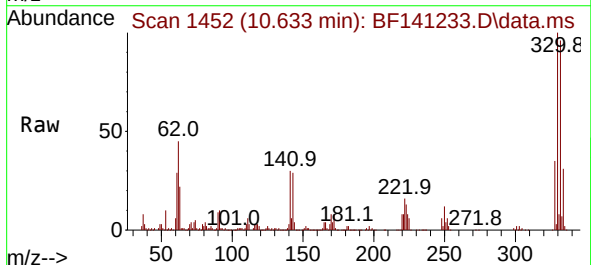
Tgt Ion: 237 Resp: 354689
Ion Ratio Lower Upper
237 100
235 62.5 43.0 83.0
272 13.0 0.0 33.0

Manual Integrations
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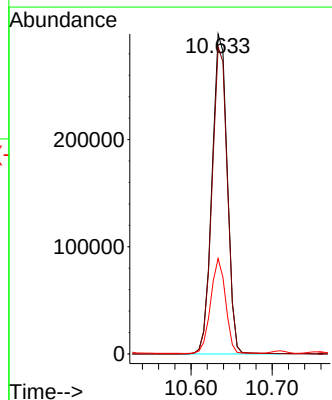
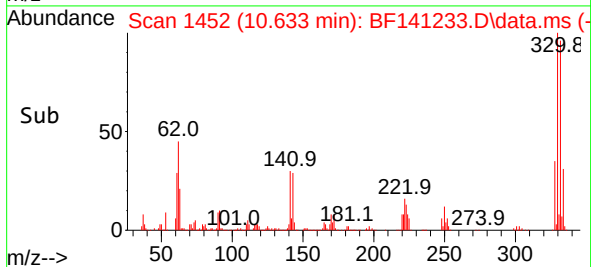
Reviewed By : Yogesh Patel 01/22/2025
Supervised By : mohammad ahmed 01/22/2025

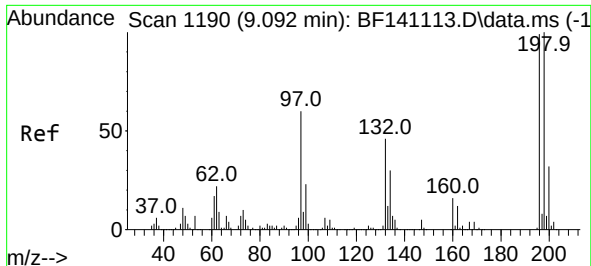


#42
2,4,6-Tribromophenol
Concen: 103.794 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion: 330 Resp: 389251
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 28.8 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 50.676 ng

RT: 9.080 min Scan# 1190

Delta R.T. -0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

Tgt Ion:196 Resp: 322860

Ion Ratio Lower Upper

196 100

198 102.7 80.8 121.2

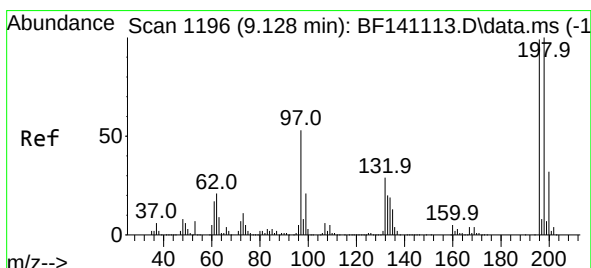
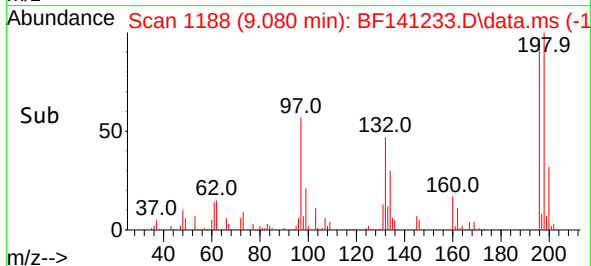
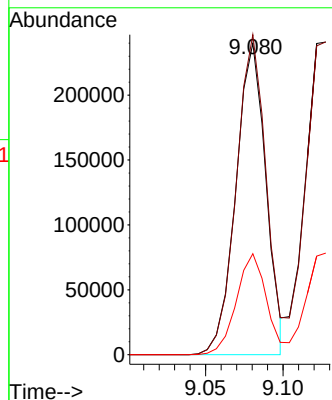
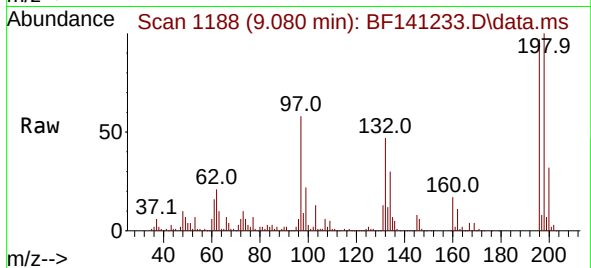
200 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#44

2,4,5-Trichlorophenol

Concen: 49.450 ng

RT: 9.128 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Tgt Ion:196 Resp: 332737

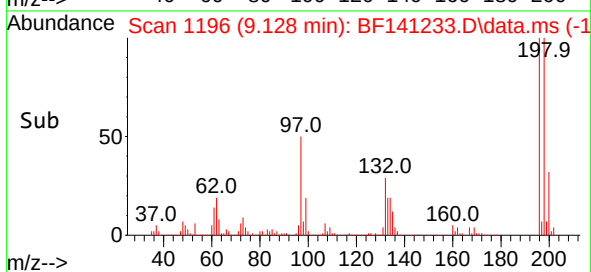
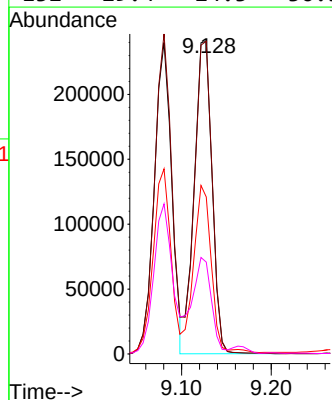
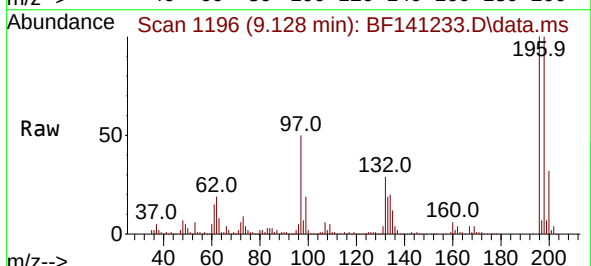
Ion Ratio Lower Upper

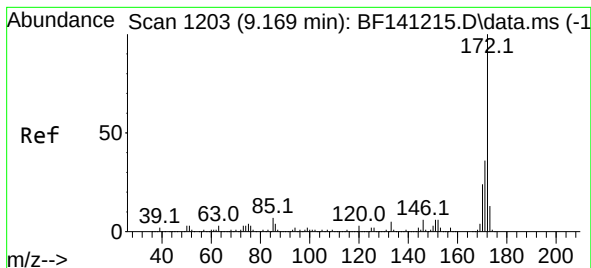
196 100

198 100.0 80.6 120.8

97 50.2 43.1 64.7

132 29.4 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 72.232 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

Tgt Ion:172 Resp: 155685

Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

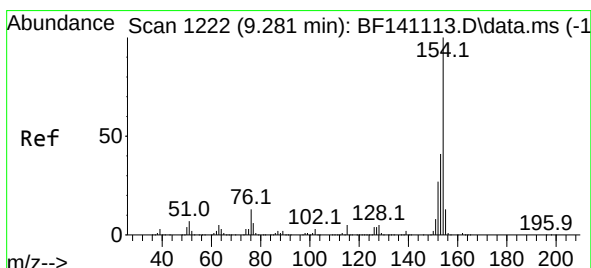
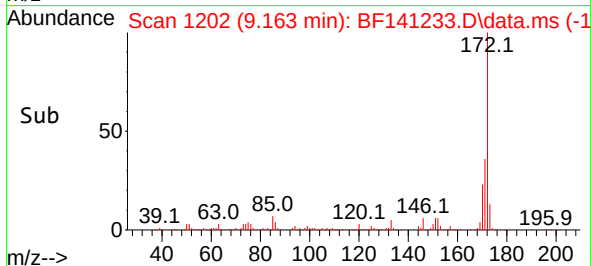
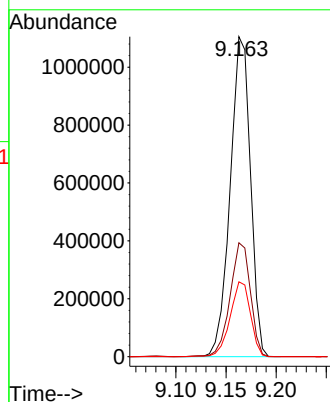
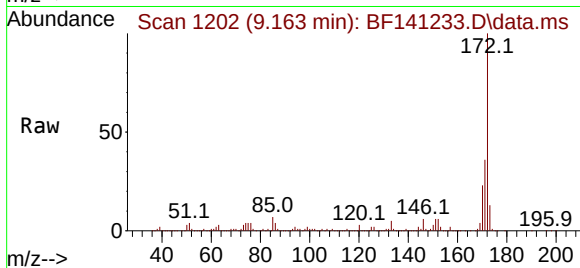
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#46

1,1'-Biphenyl

Concen: 50.080 ng

RT: 9.269 min Scan# 1220

Delta R.T. -0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

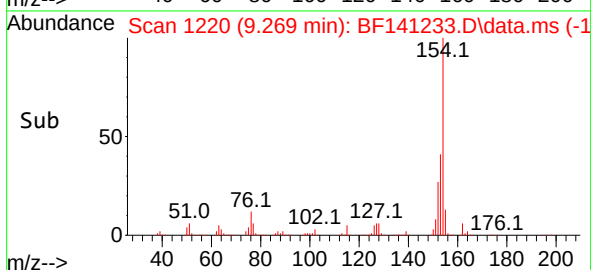
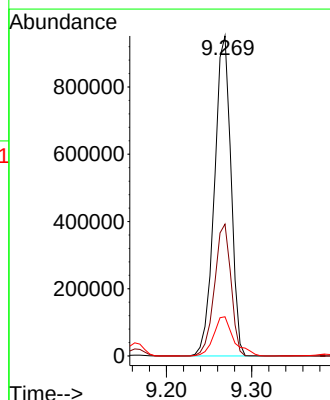
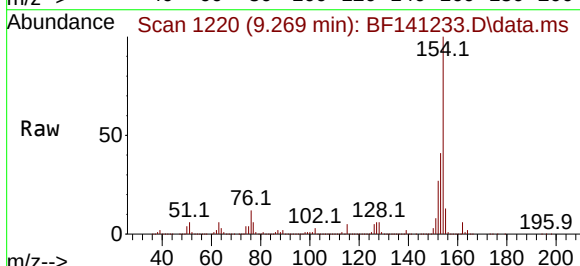
Tgt Ion:154 Resp: 1280064

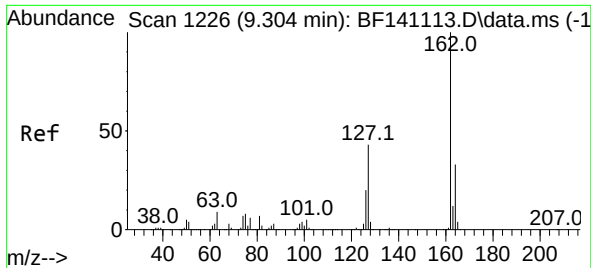
Ion Ratio Lower Upper

154 100

153 41.2 20.7 60.7

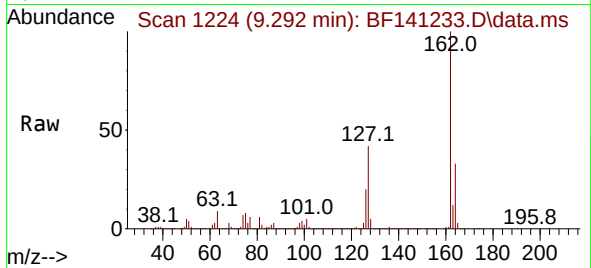
76 12.3 0.0 33.1





#47
2-Chloronaphthalene
Concen: 48.080 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

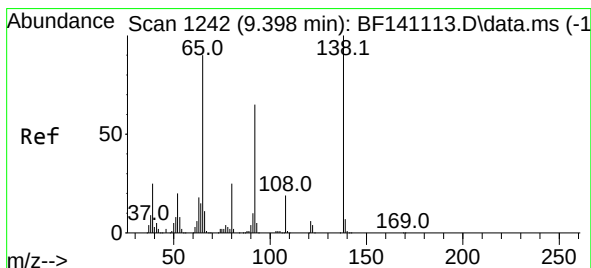
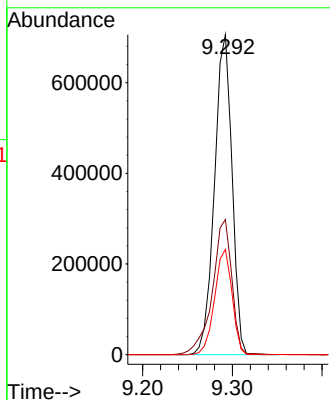
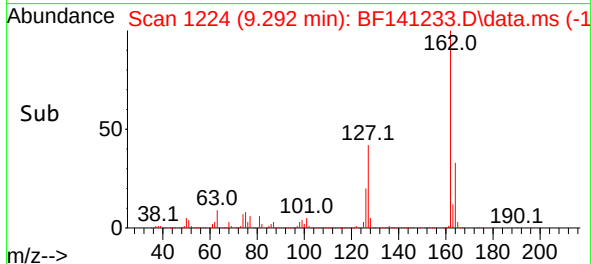
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:162 Resp: 95718
Ion Ratio Lower Upper
162 100
127 42.2 34.6 51.8
164 32.9 26.5 39.7

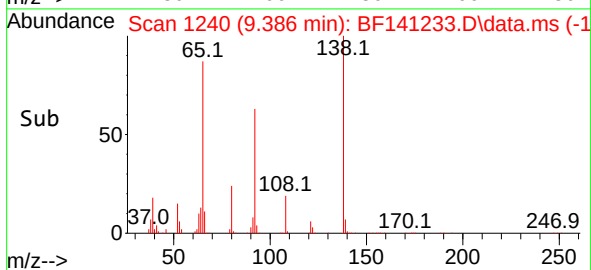
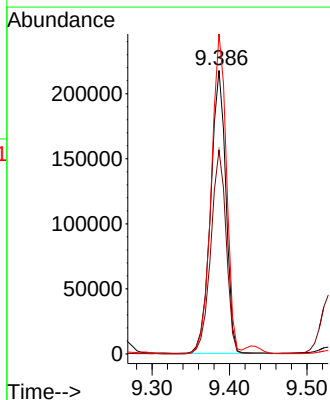
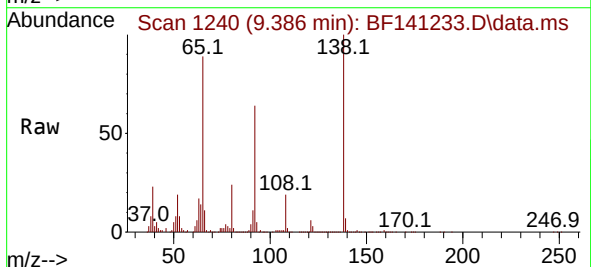
Manual Integrations
APPROVED

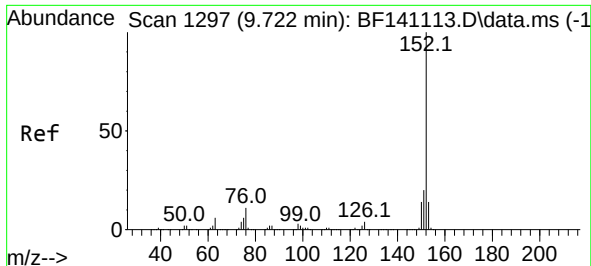
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#48
2-Nitroaniline
Concen: 50.262 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

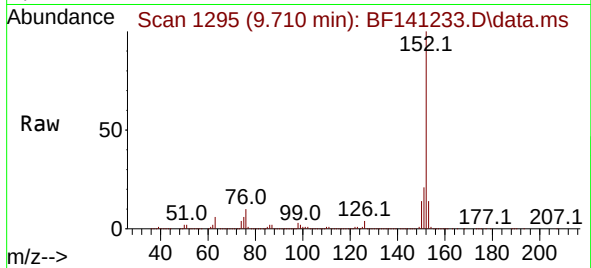
Tgt Ion: 65 Resp: 296618
Ion Ratio Lower Upper
65 100
92 71.9 58.3 87.5
138 112.9 89.1 133.7





#49
Acenaphthylene
Concen: 51.473 ng
RT: 9.710 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

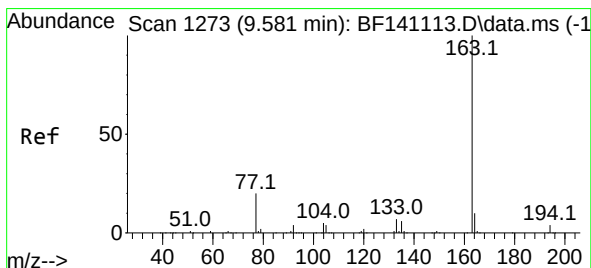
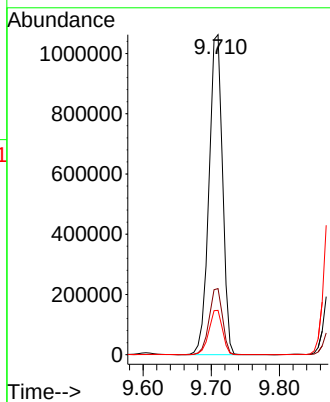
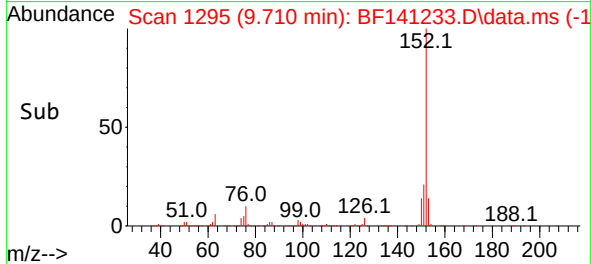
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



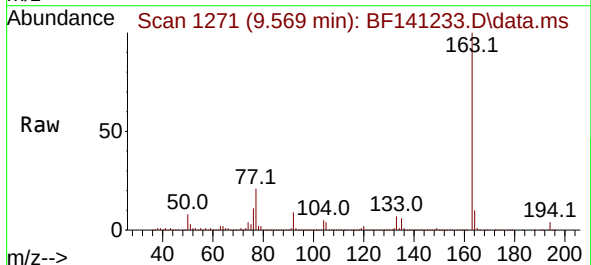
Tgt Ion:152 Resp: 146404
Ion Ratio Lower Upper
152 100
151 20.6 16.1 24.1
153 13.9 11.1 16.7

Manual Integrations
APPROVED

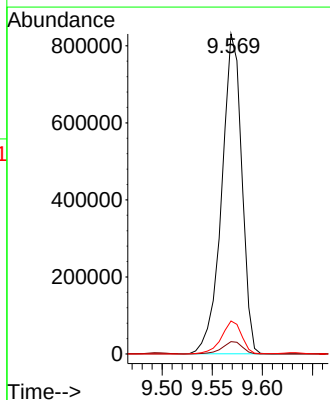
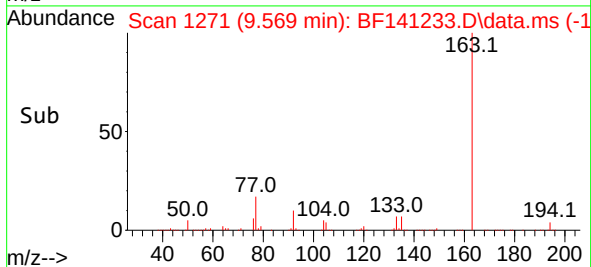
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

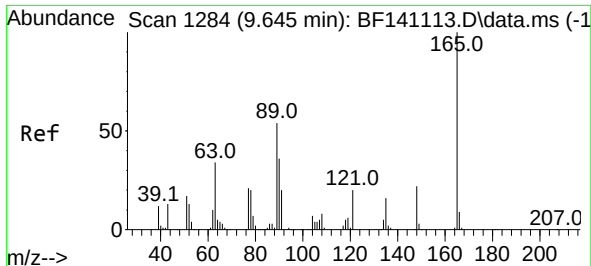


#50
Dimethylphthalate
Concen: 52.305 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion:163 Resp: 1155735
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.3 8.2 12.4





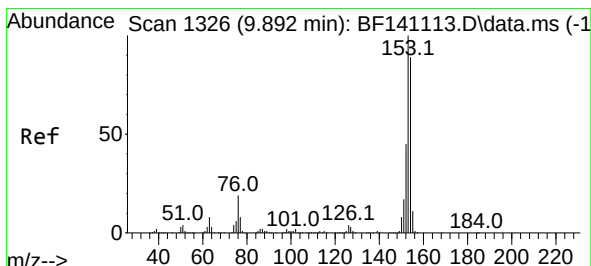
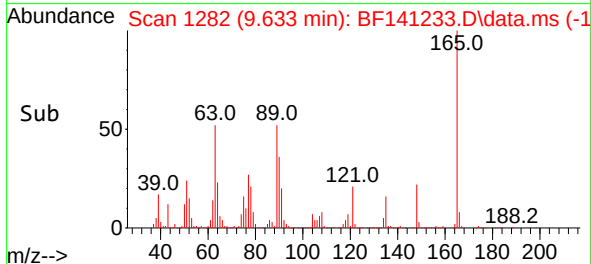
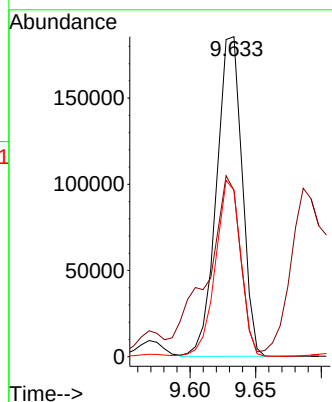
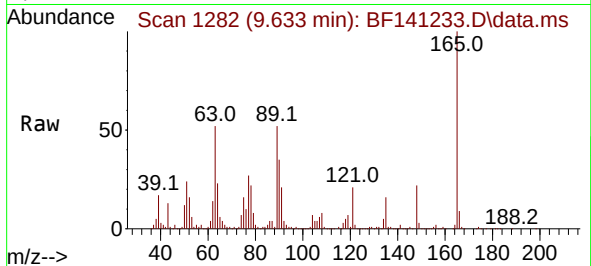
#51
2,6-Dinitrotoluene
Concen: 48.963 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD

Tgt Ion:165 Resp: 25158
Ion Ratio Lower Upper
165 100
63 52.0 42.3 63.5
89 52.1 43.1 64.7

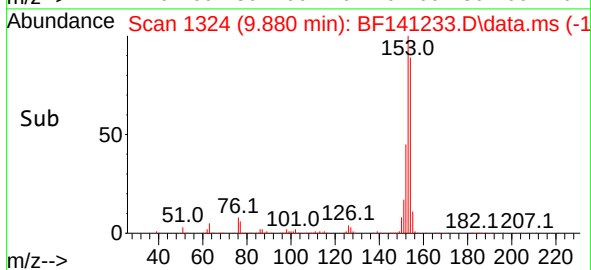
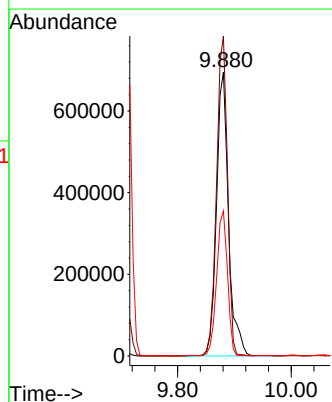
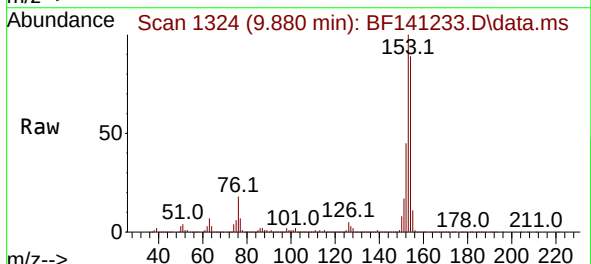
Manual Integrations
APPROVED

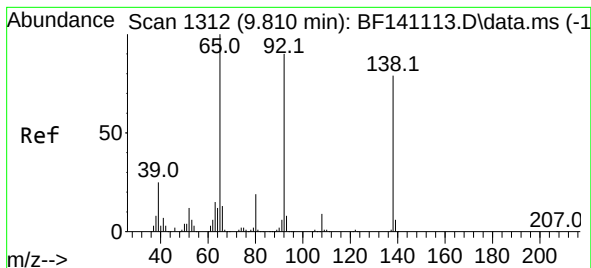
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#52
Acenaphthene
Concen: 51.249 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

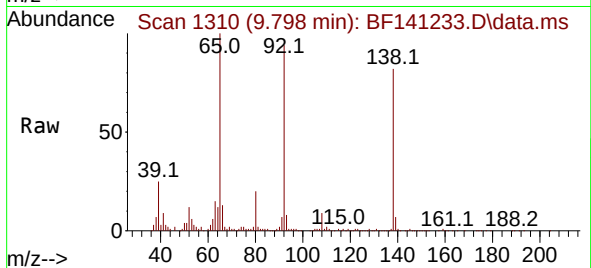
Tgt Ion:154 Resp: 1018404
Ion Ratio Lower Upper
154 100
153 112.7 89.8 134.6
152 51.0 40.8 61.2





#53
3-Nitroaniline
Concen: 29.333 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

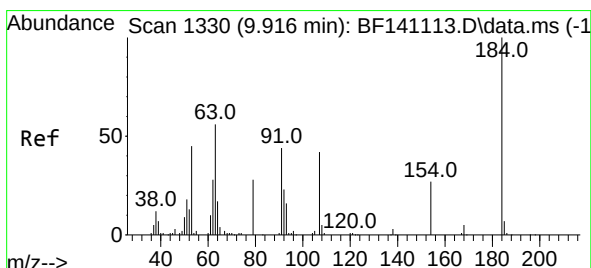
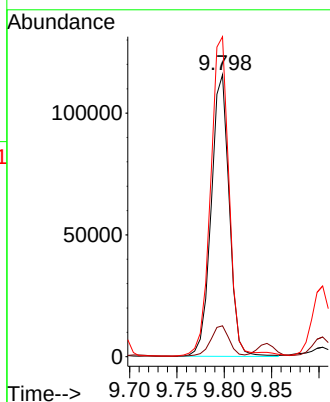
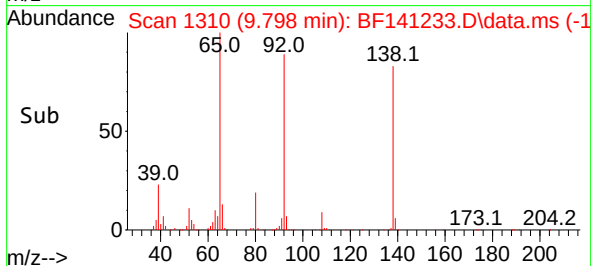
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:138 Resp: 153160
Ion Ratio Lower Upper
138 100
108 11.0 8.8 13.2
92 113.5 91.3 136.9

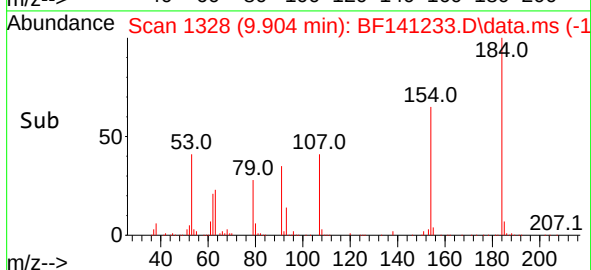
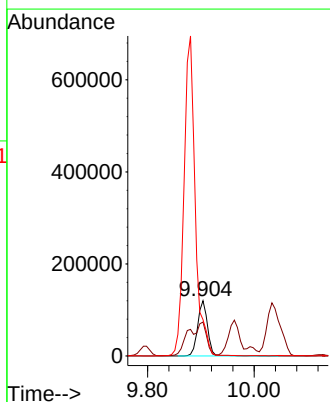
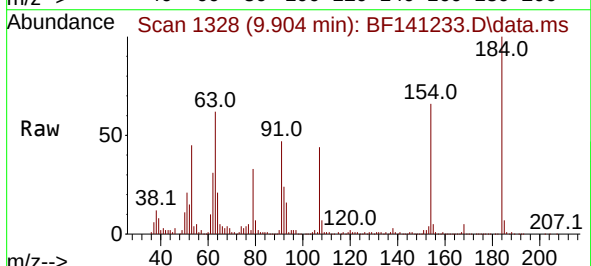
Manual Integrations
APPROVED

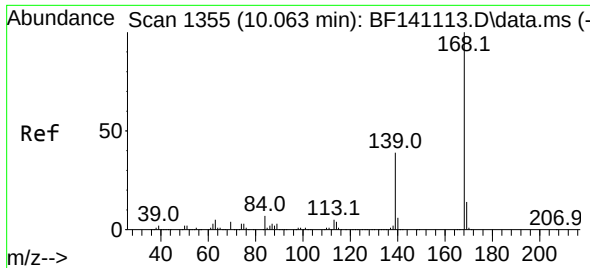
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#54
2,4-Dinitrophenol
Concen: 63.365 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

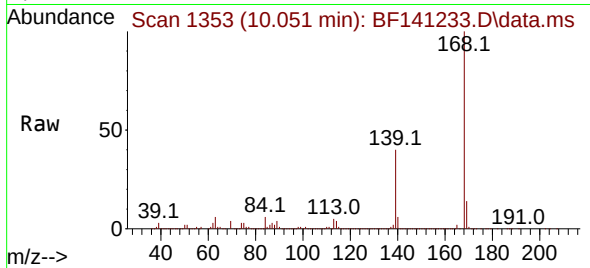
Tgt Ion:184 Resp: 154759
Ion Ratio Lower Upper
184 100
63 61.5 48.7 73.1
154 65.9 57.1 85.7





#55
Dibenzenofuran
Concen: 49.621 ng
RT: 10.051 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

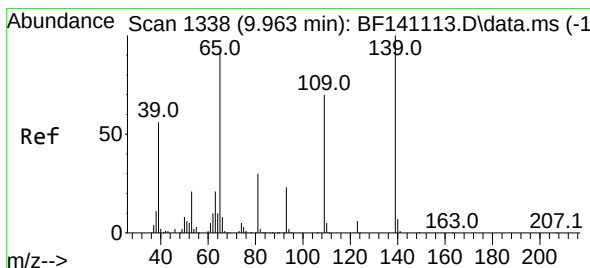
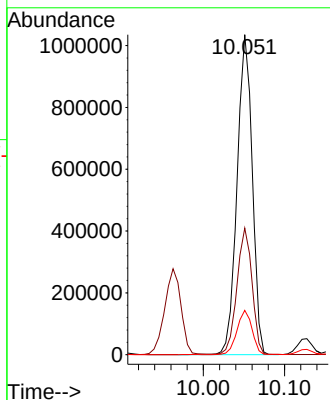
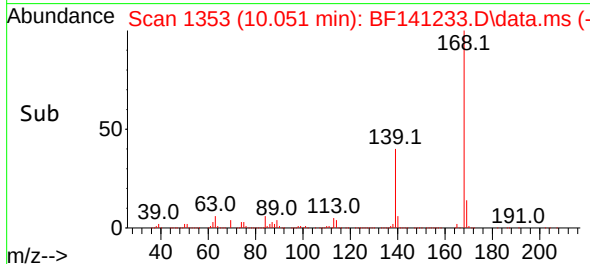
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:168 Resp: 1341224
Ion Ratio Lower Upper
168 100
139 39.5 31.4 47.0
169 13.8 10.9 16.3

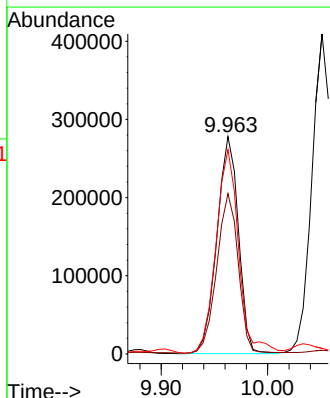
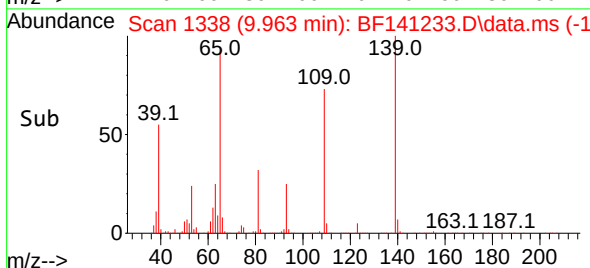
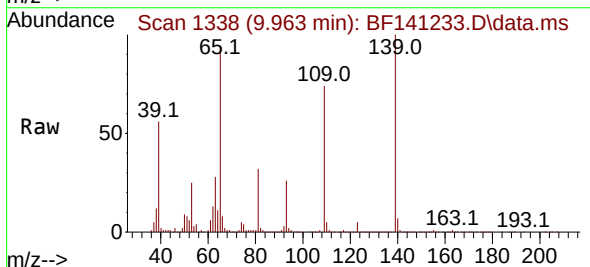
Manual Integrations
APPROVED

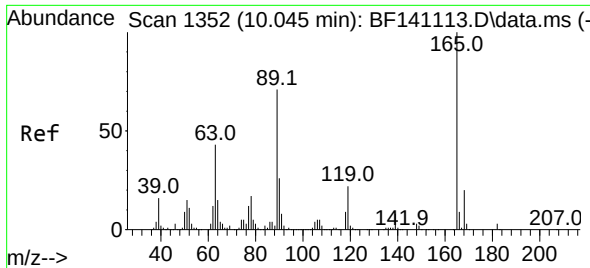
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#56
4-Nitrophenol
Concen: 95.287 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

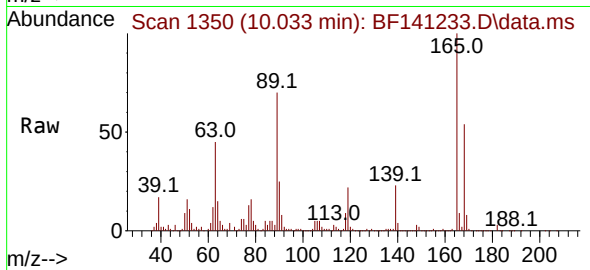
Tgt Ion:139 Resp: 389663
Ion Ratio Lower Upper
139 100
109 73.7 50.2 90.2
65 94.0 72.1 112.1





#57
2,4-Dinitrotoluene
Concen: 50.508 ng
RT: 10.033 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

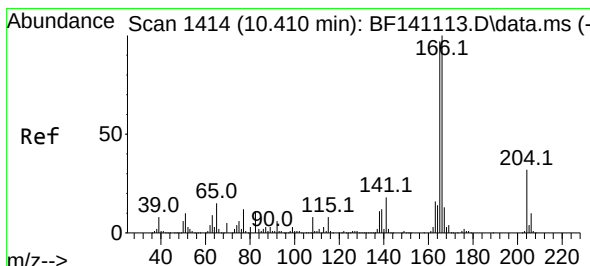
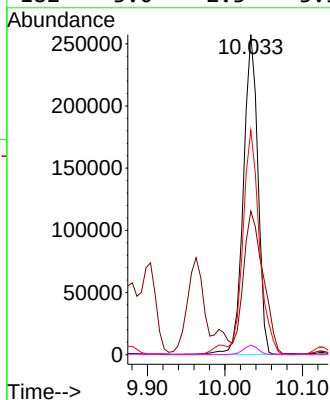
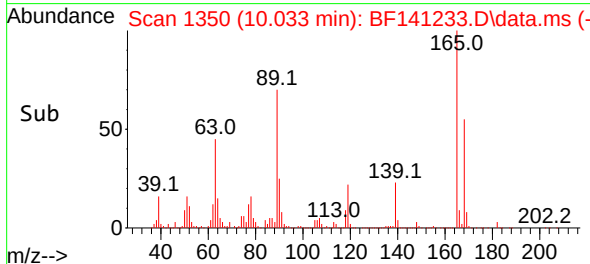
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:165 Resp: 33445
Ion Ratio Lower Upper
165 100
63 44.8 35.0 52.4
89 70.2 56.7 85.1
182 3.0 2.3 3.5

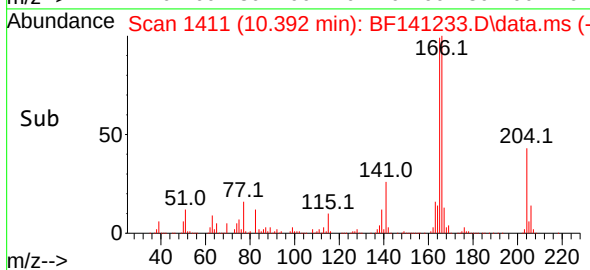
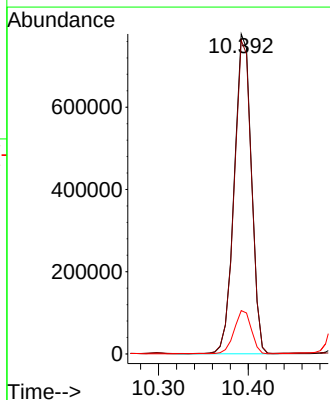
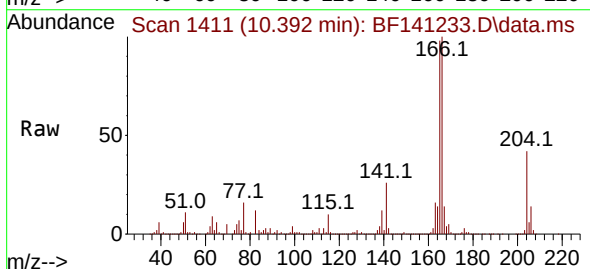
Manual Integrations
APPROVED

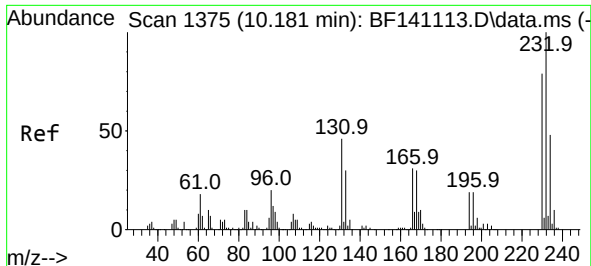
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#58
Fluorene
Concen: 49.154 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

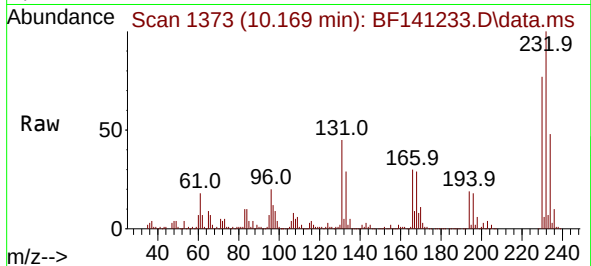
Tgt Ion:166 Resp: 1032192
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.8
167 13.6 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 49.244 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

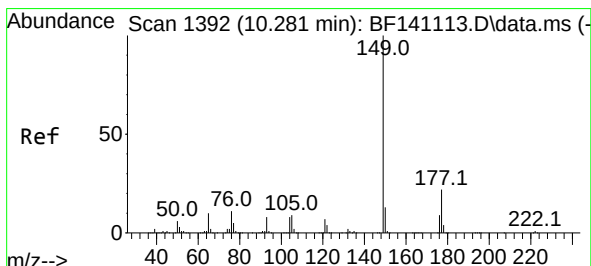
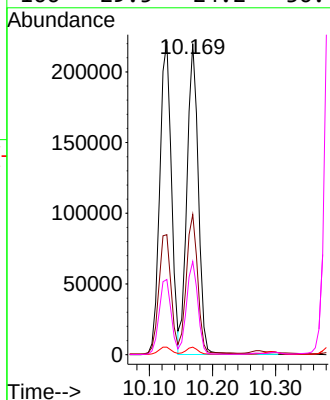
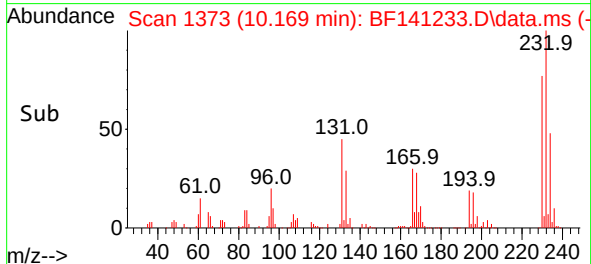
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:232 Resp: 27542
Ion Ratio Lower Upper
232 100
131 45.1 36.2 54.4
130 2.3 2.0 3.0
166 29.5 24.2 36.4

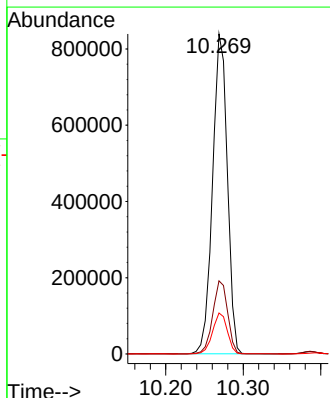
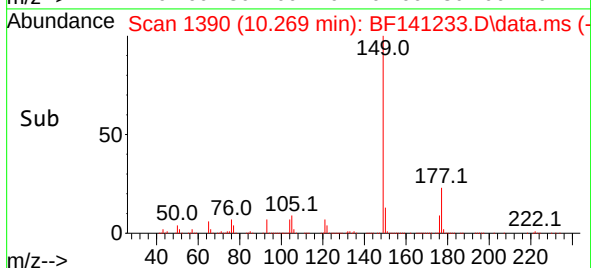
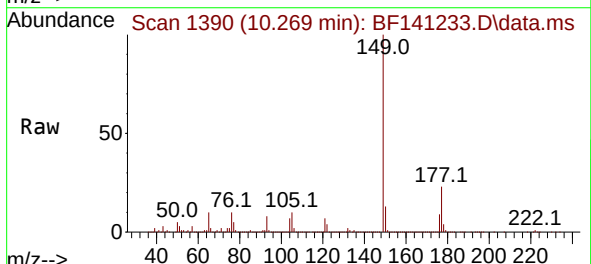
Manual Integrations
APPROVED

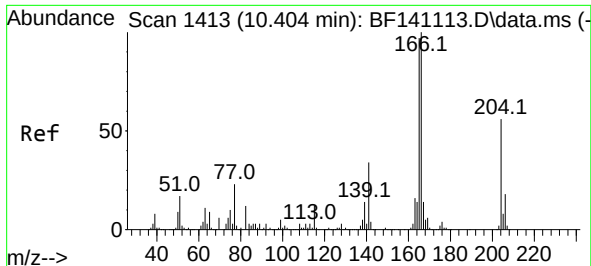
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#60
Diethylphthalate
Concen: 51.419 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

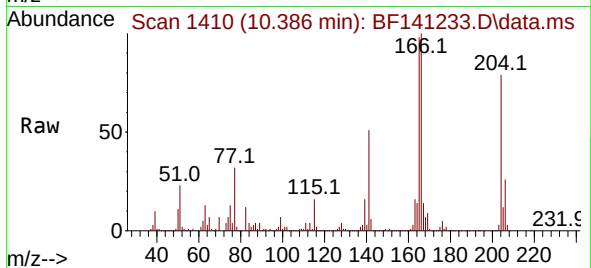
Tgt Ion:149 Resp: 1109170
Ion Ratio Lower Upper
149 100
177 22.8 17.9 26.9
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 48.934 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

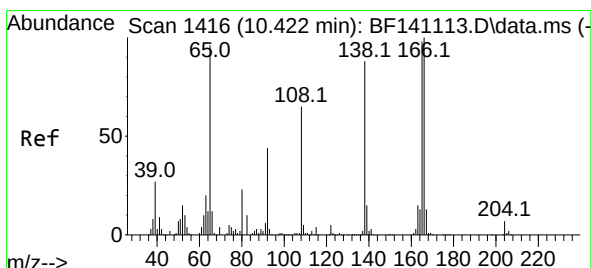
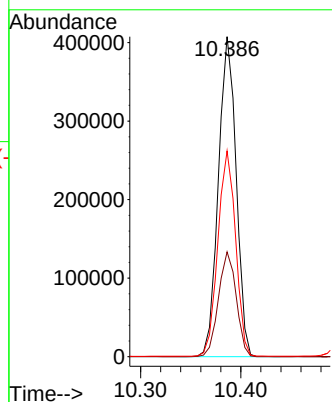
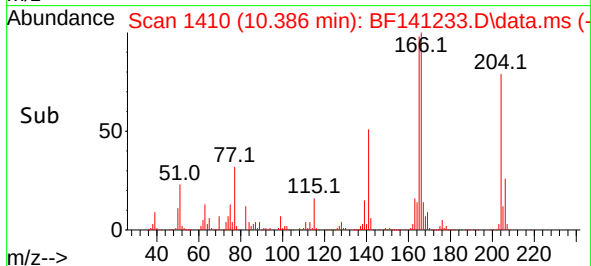
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



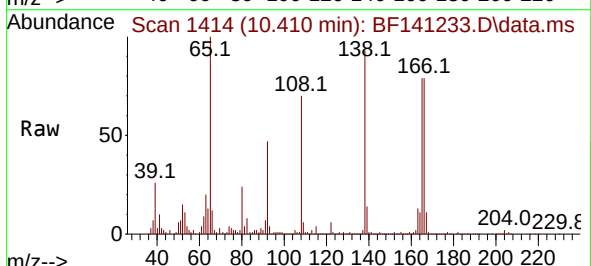
Tgt Ion:204 Resp: 500828
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 64.3 49.1 73.7

Manual Integrations
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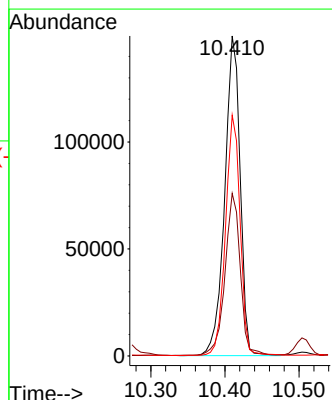
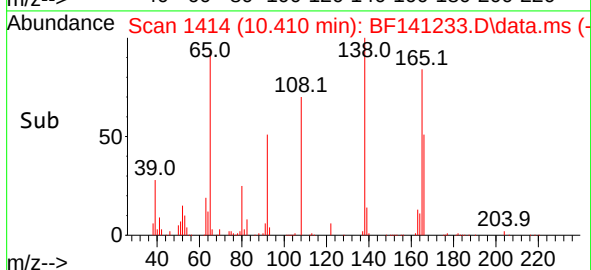
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

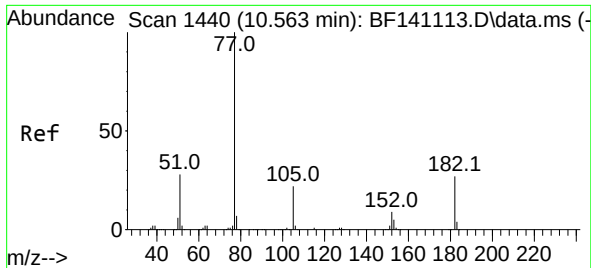


#62
4-Nitroaniline
Concen: 42.277 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



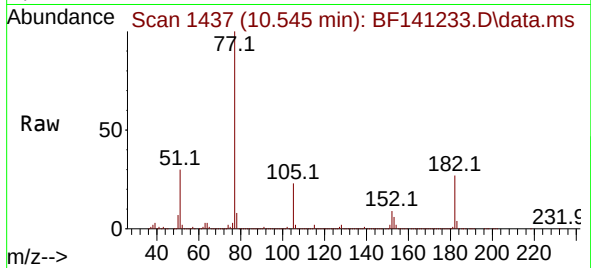
Tgt Ion:138 Resp: 216062
Ion Ratio Lower Upper
138 100
92 50.8 29.4 69.4
108 75.3 53.7 93.7





#63
Azobenzene
Concen: 50.118 ng
RT: 10.545 min Scan# 1440
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

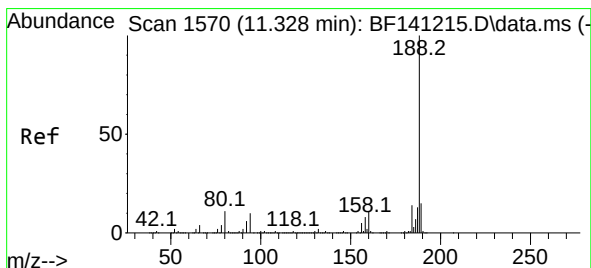
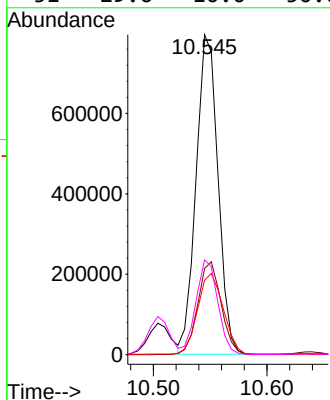
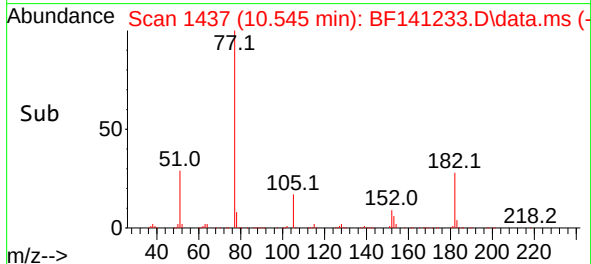
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



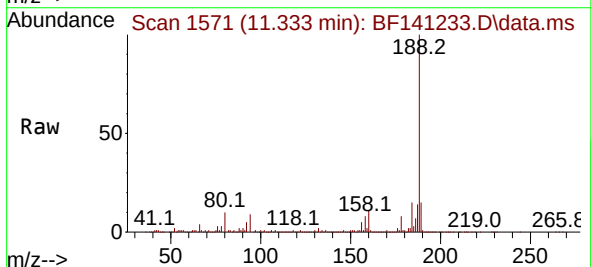
Tgt Ion: 77 Resp: 106674
Ion Ratio Lower Upper
77 100
182 26.9 6.1 46.1
105 23.3 2.1 42.1
51 29.6 10.0 50.0

Manual Integrations
APPROVED

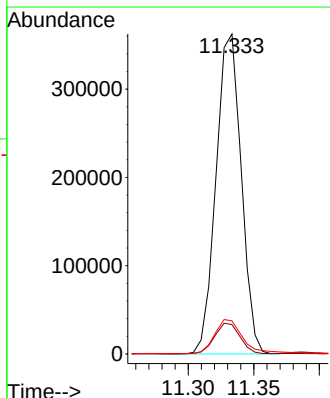
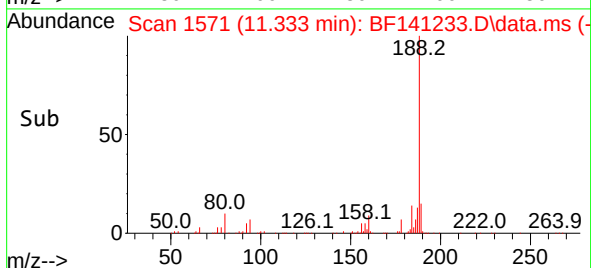
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

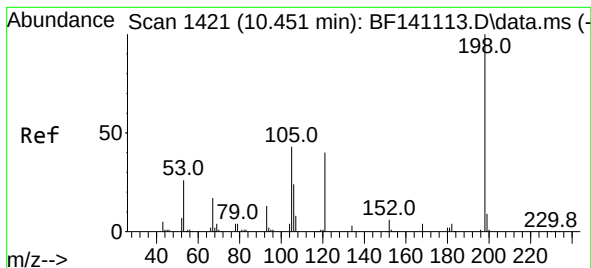


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion:188 Resp: 484949
Ion Ratio Lower Upper
188 100
94 9.2 8.3 12.5
80 10.4 9.0 13.4





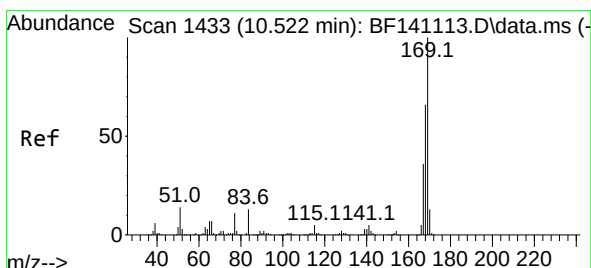
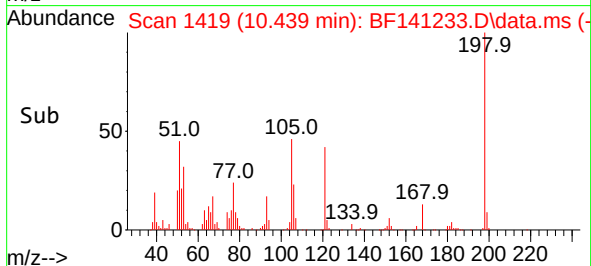
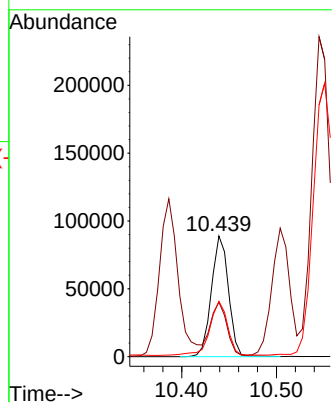
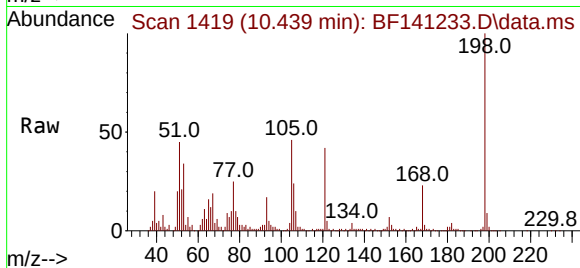
#65
4,6-Dinitro-2-methylphenol
Concen: 39.760 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD

Tgt Ion:198 Resp: 111732
Ion Ratio Lower Upper
198 100
51 45.2 27.1 67.1
105 45.9 24.2 64.2

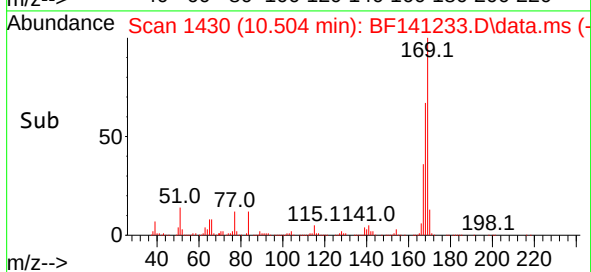
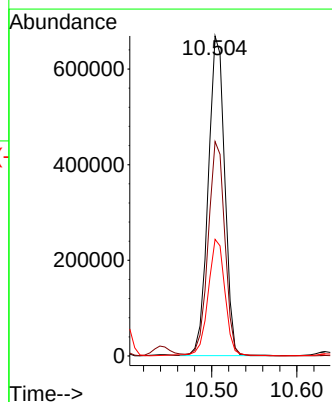
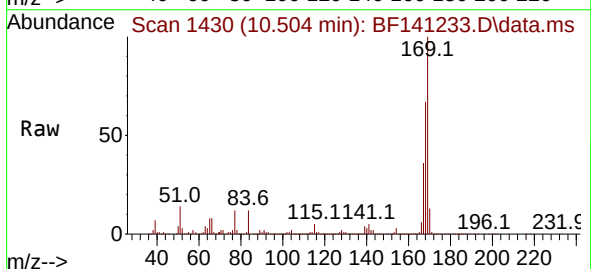
Manual Integrations
APPROVED

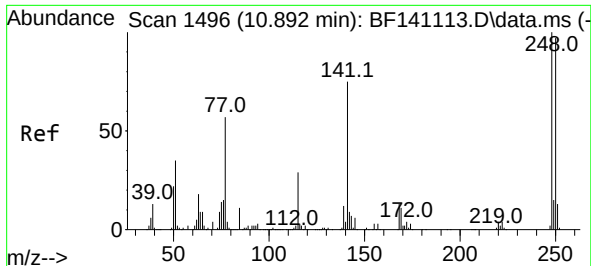
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#66
n-Nitrosodiphenylamine
Concen: 57.305 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

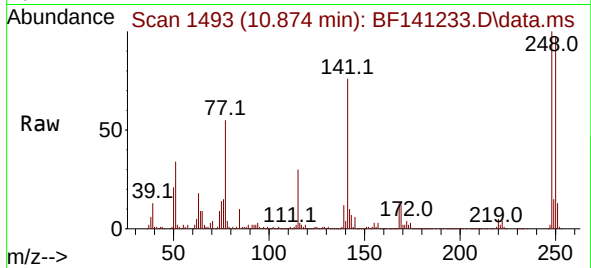
Tgt Ion:169 Resp: 896353
Ion Ratio Lower Upper
169 100
168 67.0 52.5 78.7
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 57.273 ng
RT: 10.874 min Scan# 1496
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

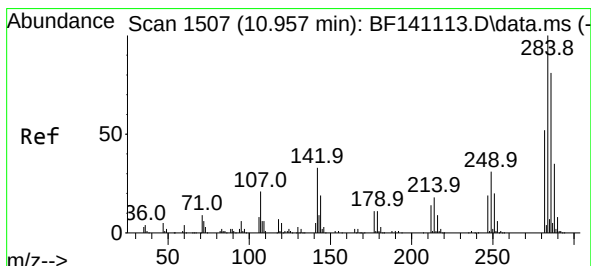
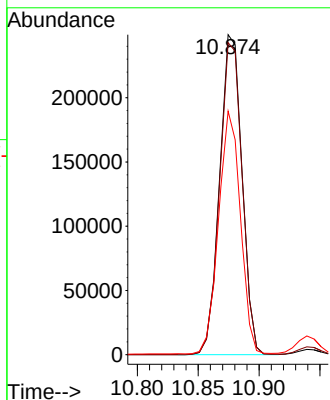
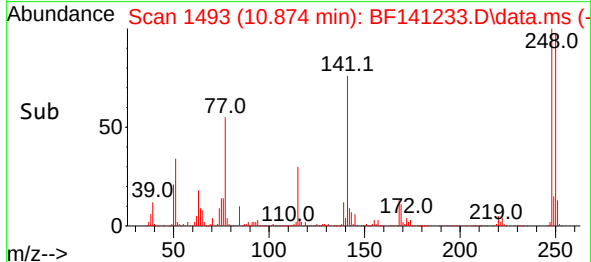
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



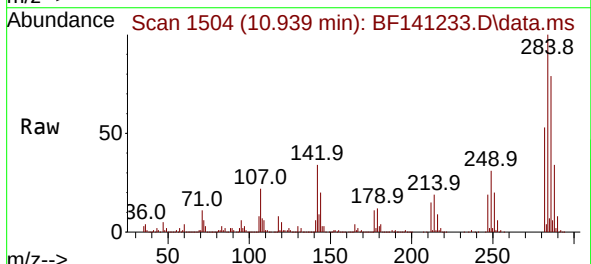
Tgt Ion:248 Resp: 319768
Ion Ratio Lower Upper
248 100
250 97.5 77.9 116.9
141 76.1 59.9 89.9

Manual Integrations
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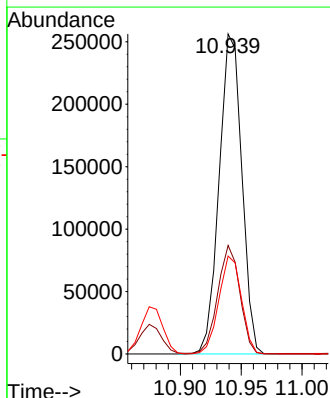
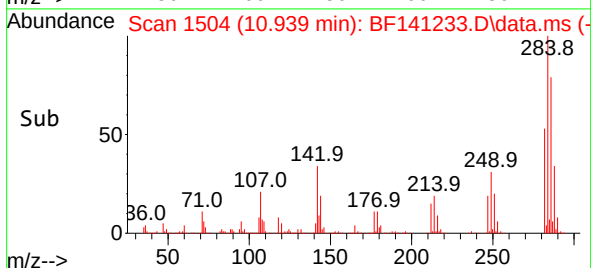
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

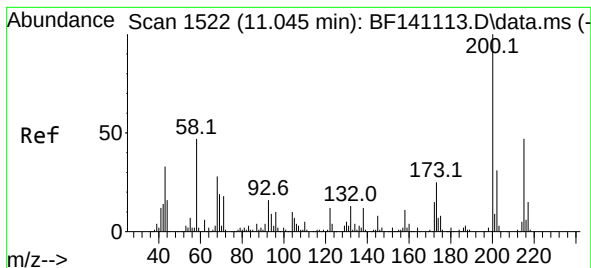


#68
Hexachlorobenzene
Concen: 53.448 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion:284 Resp: 332186
Ion Ratio Lower Upper
284 100
142 33.9 26.3 39.5
249 30.6 24.9 37.3





#69

Atrazine

Concen: 70.219 ng

RT: 11.033 min Scan# 1520

Delta R.T. -0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

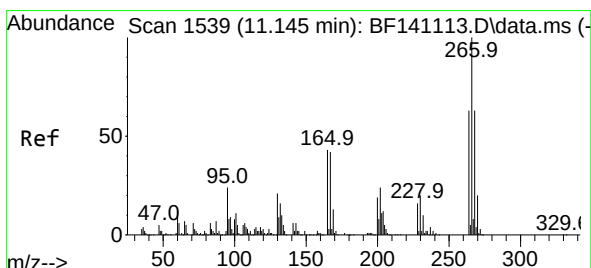
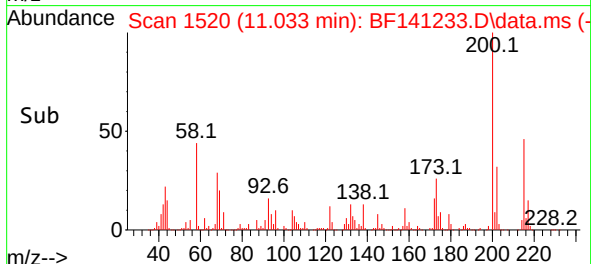
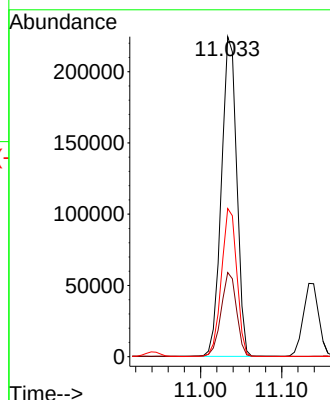
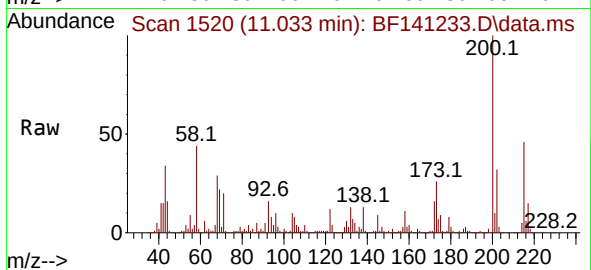
Tgt Ion:200 Resp: 295740
 Ion Ratio Lower Upper
 200 100
 173 26.3 5.4 45.4
 215 46.3 26.6 66.6

Manual Integrations

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Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#70

Pentachlorophenol

Concen: 94.730 ng

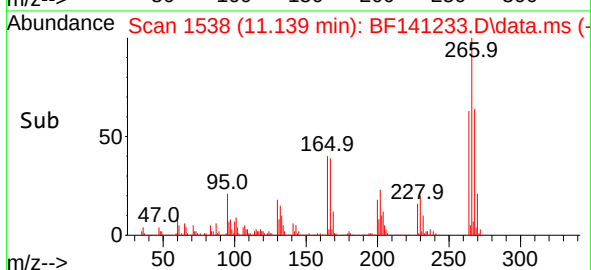
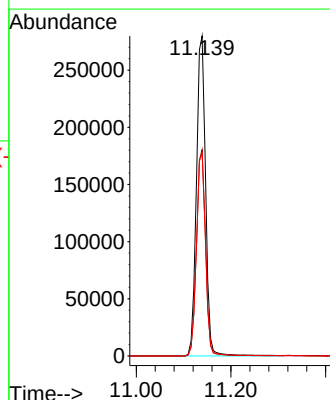
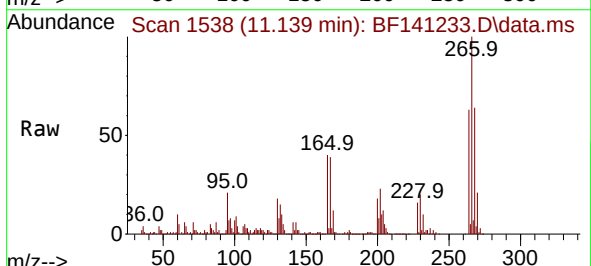
RT: 11.139 min Scan# 1538

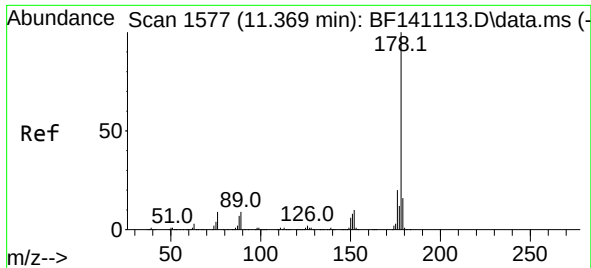
Delta R.T. -0.006 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

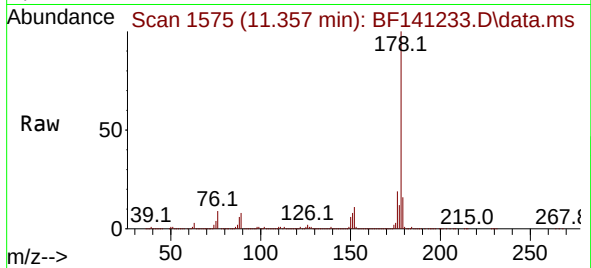
Tgt Ion:266 Resp: 377043
 Ion Ratio Lower Upper
 266 100
 268 64.4 50.4 75.6
 264 63.4 50.2 75.2





#71
Phenanthrene
Concen: 62.979 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

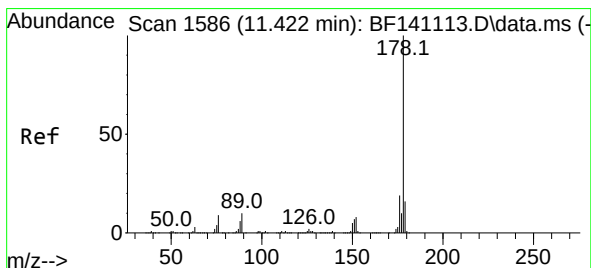
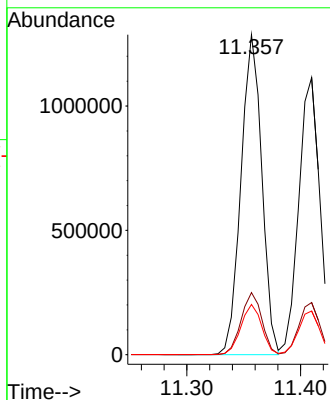
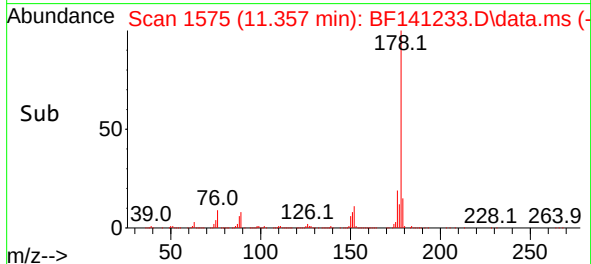
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:178 Resp: 163966
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.7 12.6 19.0

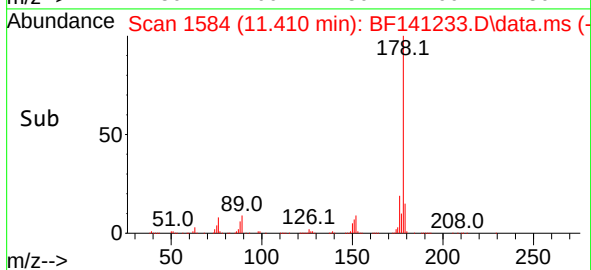
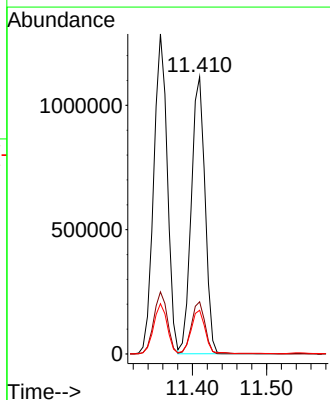
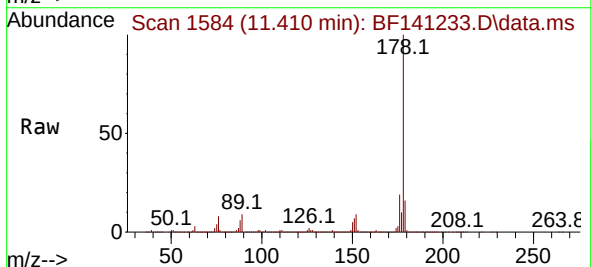
Manual Integrations
APPROVED

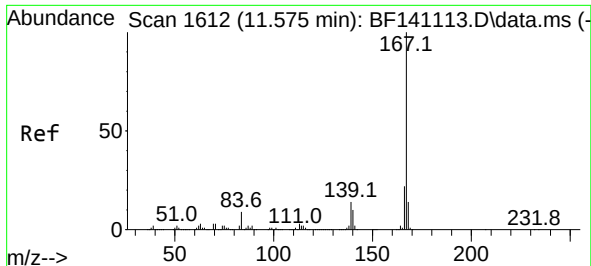
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#72
Anthracene
Concen: 56.588 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

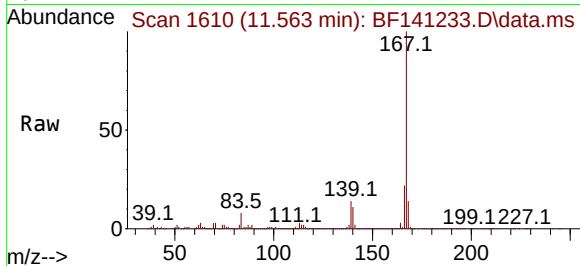
Tgt Ion:178 Resp: 1432562
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.8 12.6 19.0





#73
 Carbazole
 Concen: 50.829 ng
 RT: 11.563 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF141233.D
 Acq: 21 Jan 2025 14:02

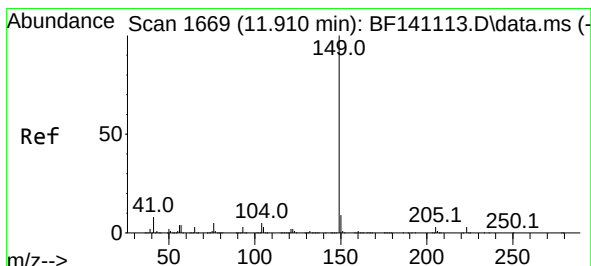
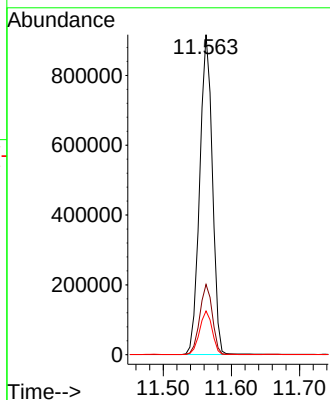
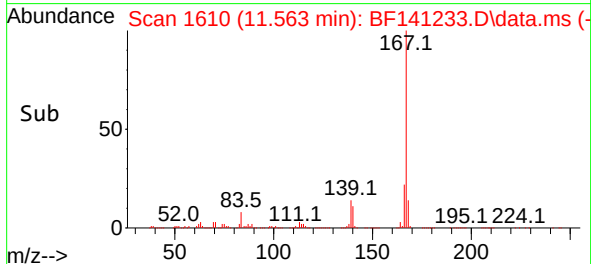
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025MSD



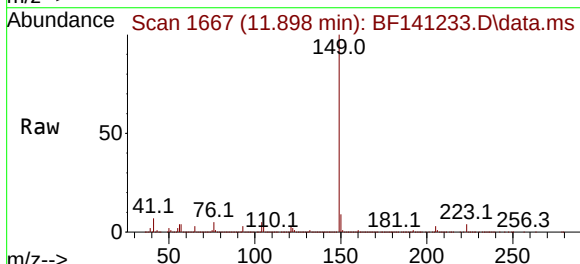
Tgt Ion:167 Resp: 117987
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.6 10.9 16.3

Manual Integrations
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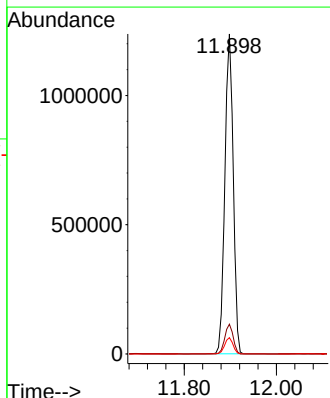
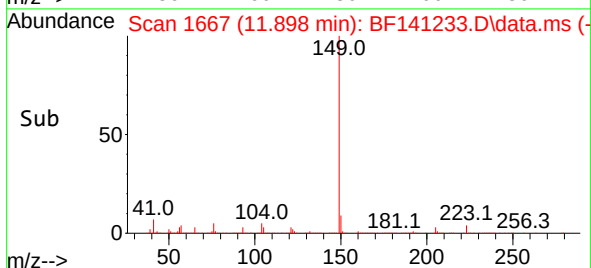
Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

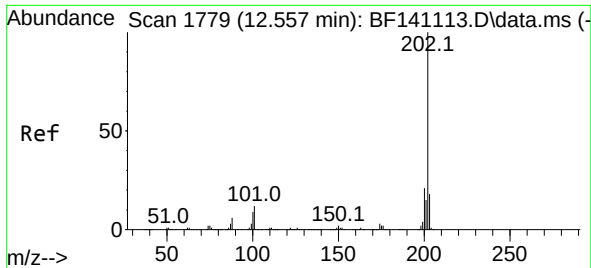


#74
 Di-n-butylphthalate
 Concen: 58.265 ng
 RT: 11.898 min Scan# 1667
 Delta R.T. -0.012 min
 Lab File: BF141233.D
 Acq: 21 Jan 2025 14:02



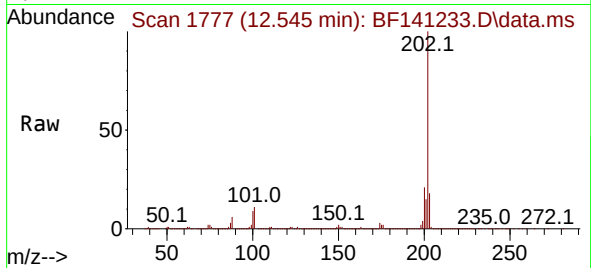
Tgt Ion:149 Resp: 1547808
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 62.588 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

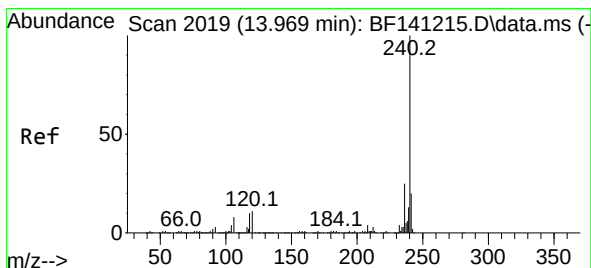
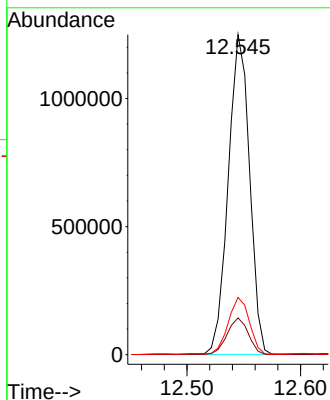
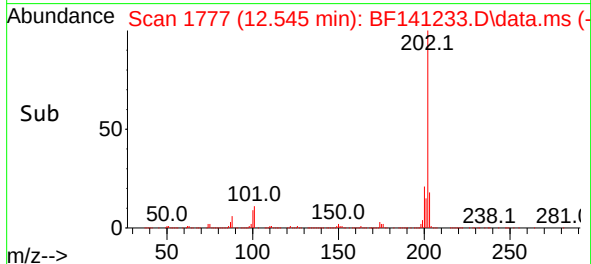
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:202 Resp: 162608
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.3
203 17.9 0.0 37.7

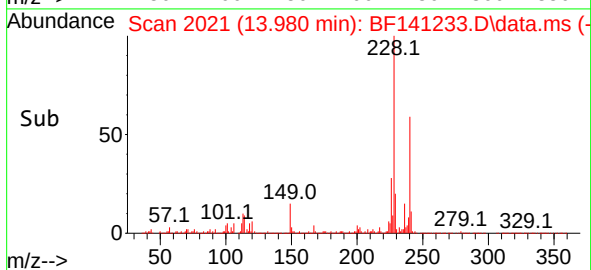
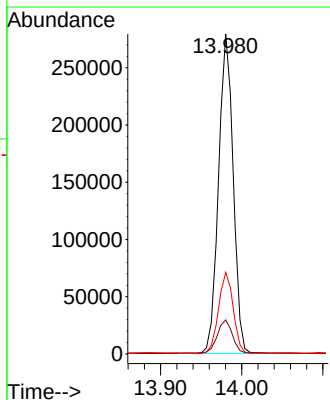
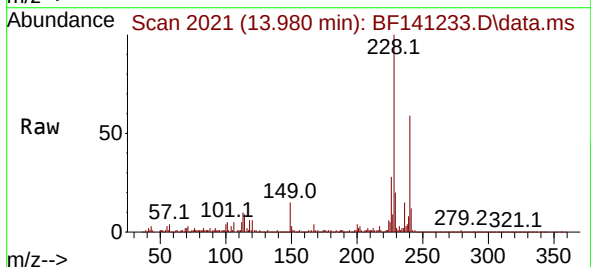
Manual Integrations
APPROVED

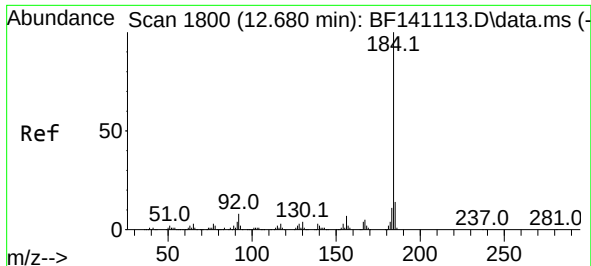
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

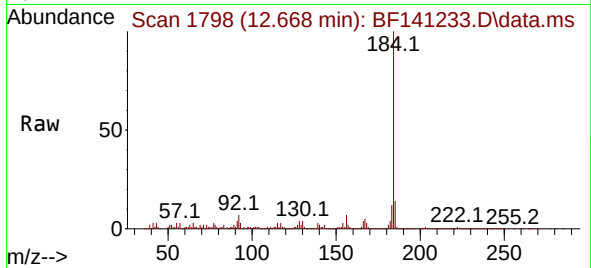
Tgt Ion:240 Resp: 350866
Ion Ratio Lower Upper
240 100
120 10.6 9.1 13.7
236 25.5 19.8 29.6





#77
Benzidine
Concen: 61.421 ng
RT: 12.668 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

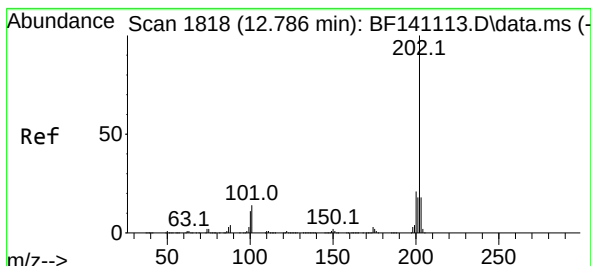
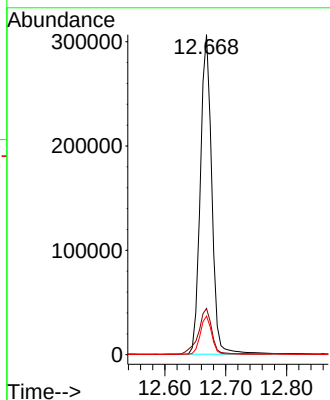
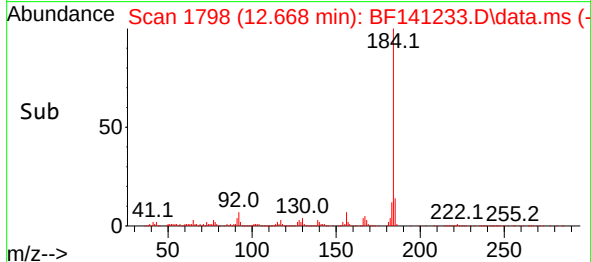
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:184 Resp: 399642
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.0
183 12.0 9.2 13.8

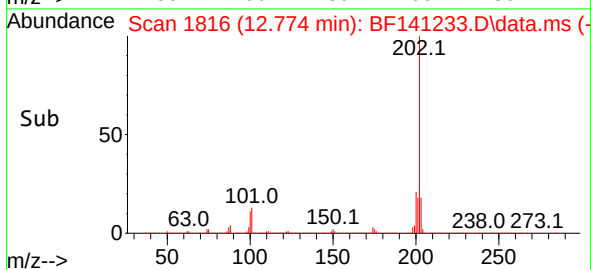
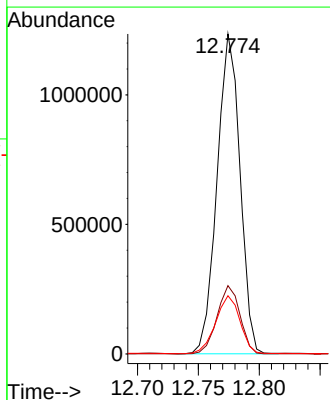
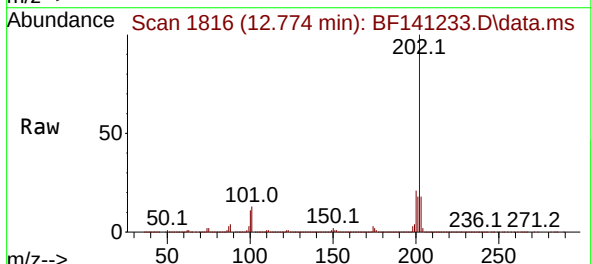
Manual Integrations
APPROVED

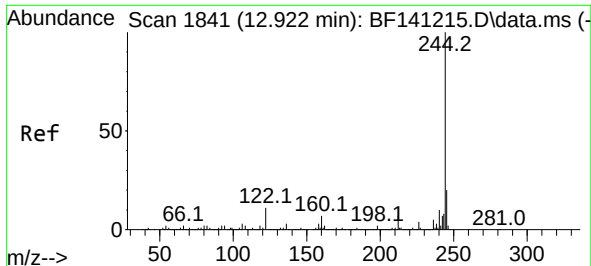
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#78
Pyrene
Concen: 48.302 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

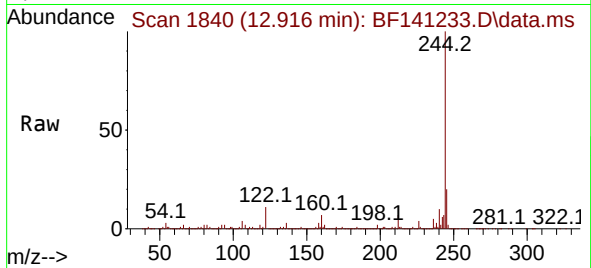
Tgt Ion:202 Resp: 1618709
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 58.655 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF141233.D
 Acq: 21 Jan 2025 14:02

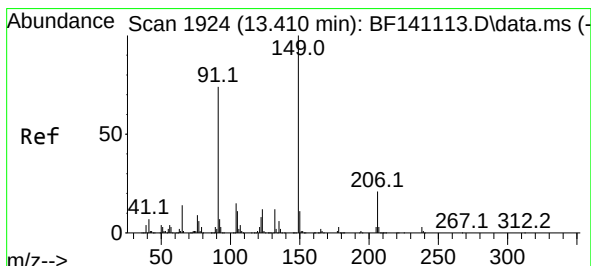
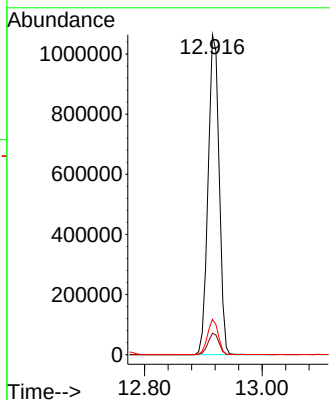
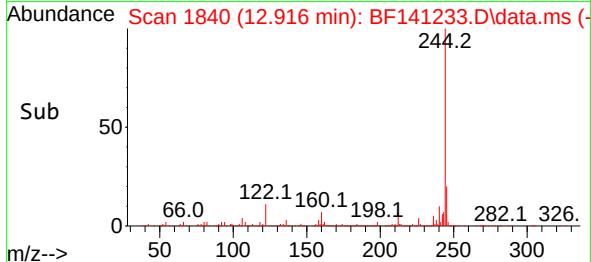
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025MSD



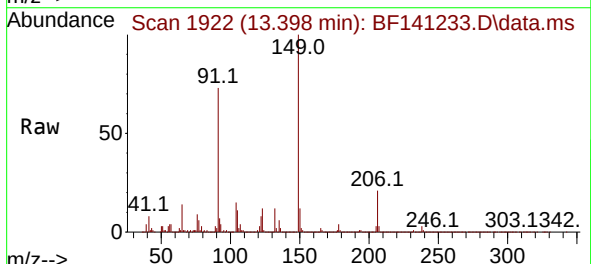
Tgt Ion:244 Resp: 1384649
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 11.0 8.8 13.2

Manual Integrations
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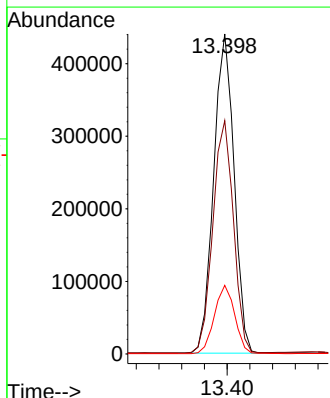
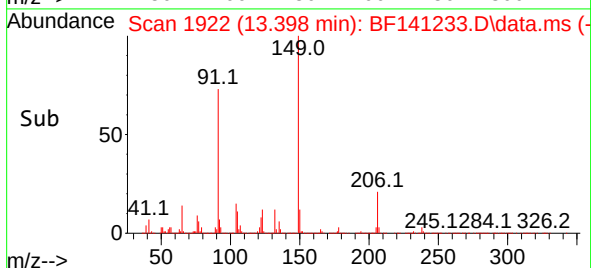
Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

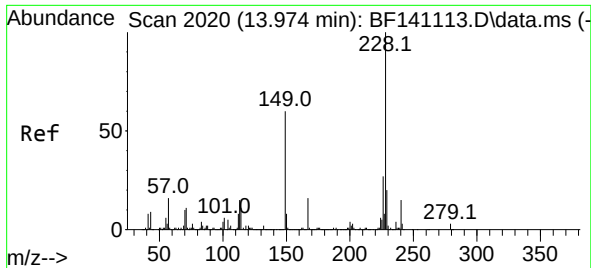


#80
 Butylbenzylphthalate
 Concen: 49.227 ng
 RT: 13.398 min Scan# 1922
 Delta R.T. -0.012 min
 Lab File: BF141233.D
 Acq: 21 Jan 2025 14:02



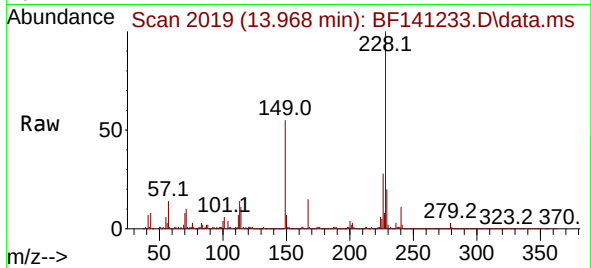
Tgt Ion:149 Resp: 550022
 Ion Ratio Lower Upper
 149 100
 91 72.9 59.0 88.6
 206 21.4 16.5 24.7





#81
Benzo(a)anthracene
Concen: 54.397 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

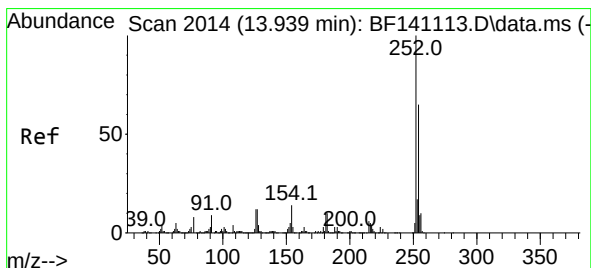
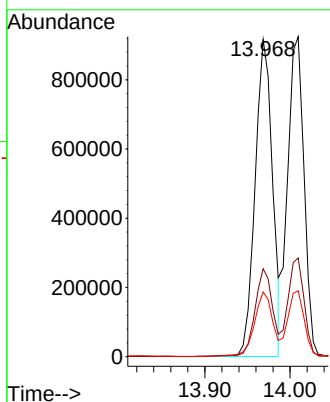
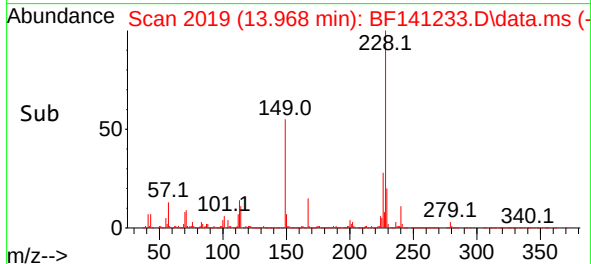
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:228 Resp: 129890
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 20.4 15.7 23.5

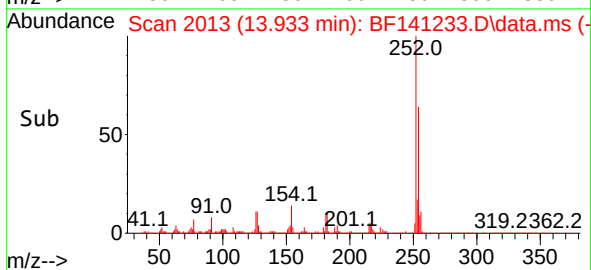
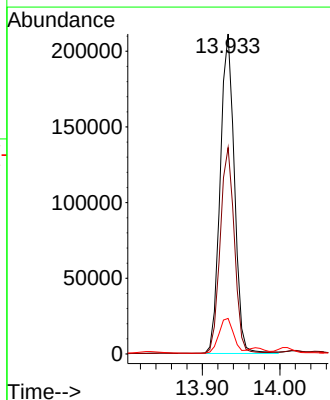
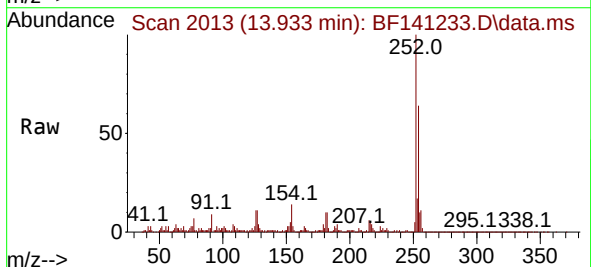
Manual Integrations
APPROVED

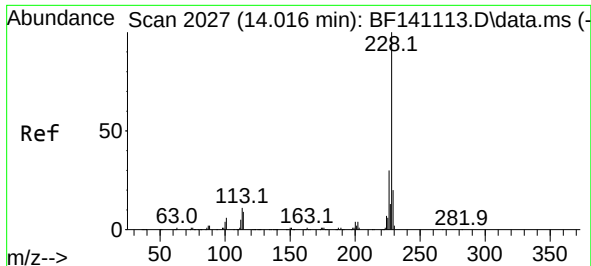
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#82
3,3'-Dichlorobenzidine
Concen: 35.373 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

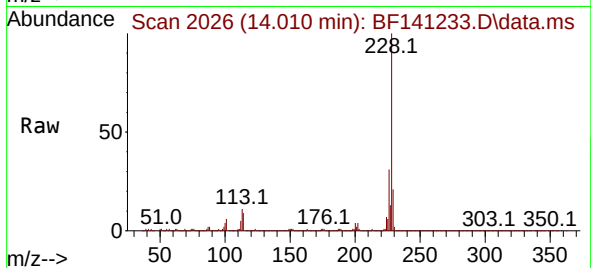
Tgt Ion:252 Resp: 268955
Ion Ratio Lower Upper
252 100
254 64.5 52.0 78.0
126 11.1 9.4 14.0





#83
Chrysene
Concen: 54.917 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

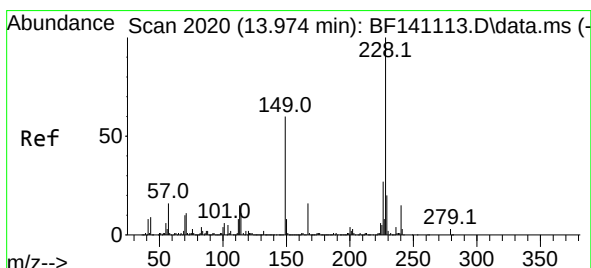
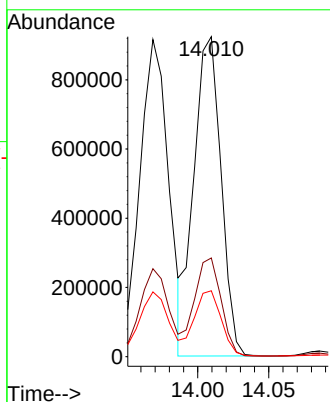
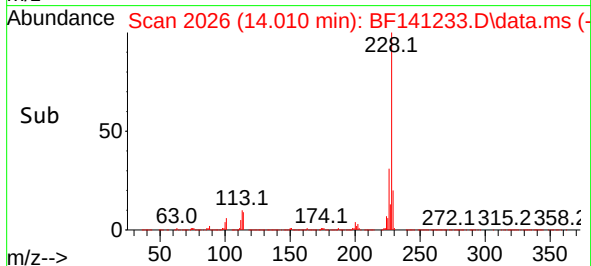
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



Tgt Ion:228 Resp: 1227000
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.8
229 20.6 15.8 23.8

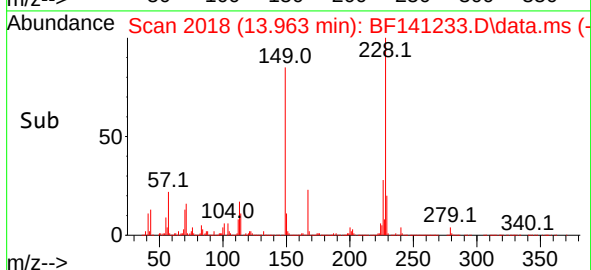
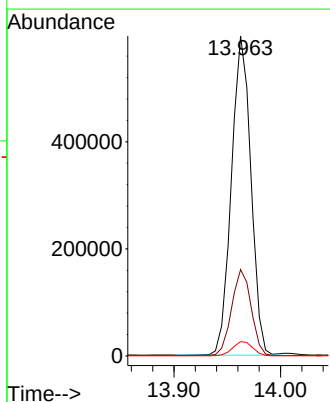
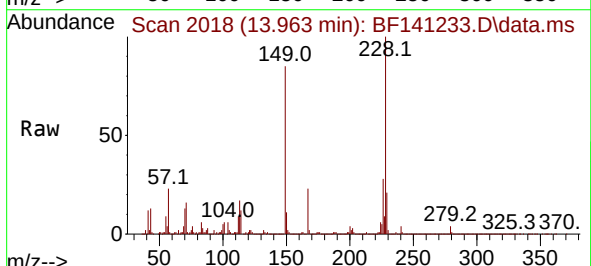
Manual Integrations
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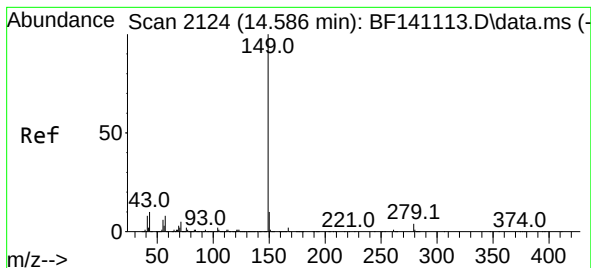
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 56.559 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Tgt Ion:149 Resp: 758248
Ion Ratio Lower Upper
149 100
167 27.0 21.4 32.2
279 4.5 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 63.957 ng

RT: 14.598 min Scan# 2124

Delta R.T. 0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

Tgt Ion:149 Resp: 1294778

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

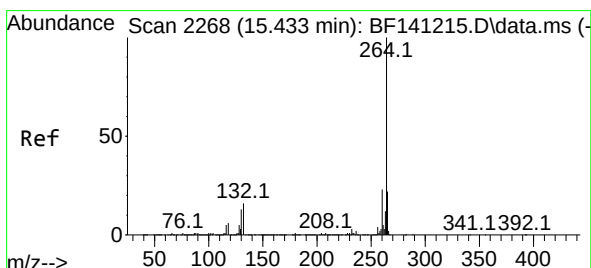
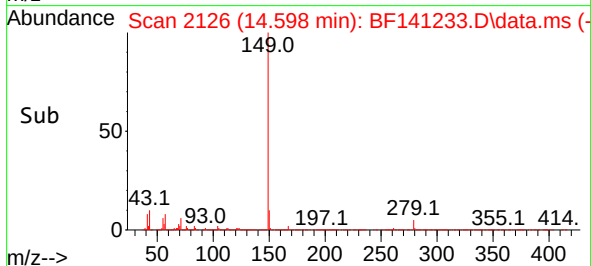
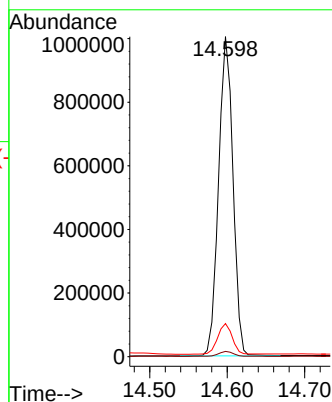
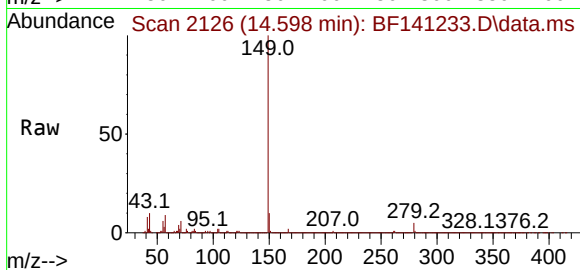
43 9.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.018 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

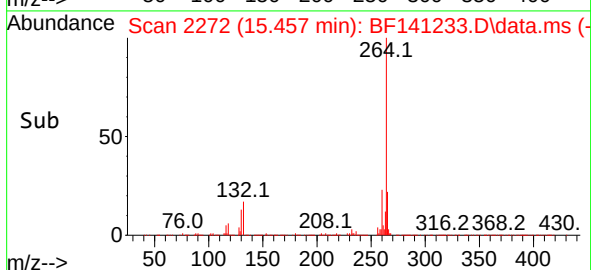
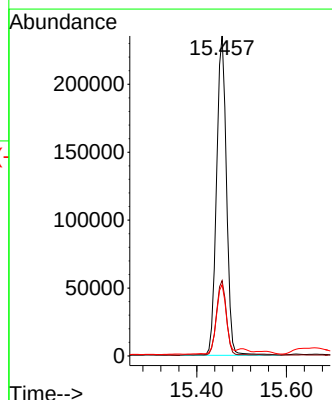
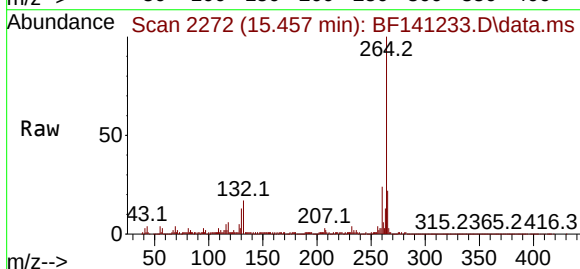
Tgt Ion:264 Resp: 360260

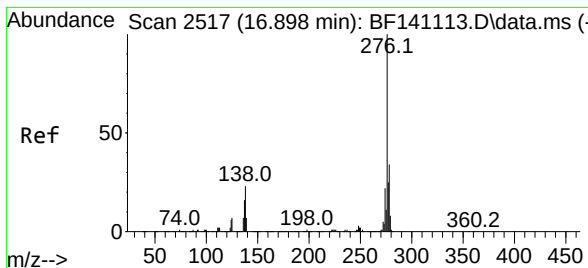
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.391 ng

RT: 16.909 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MSD

Tgt Ion:276 Resp: 106607

Ion Ratio Lower Upper

276 100

138 23.9 20.7 31.1

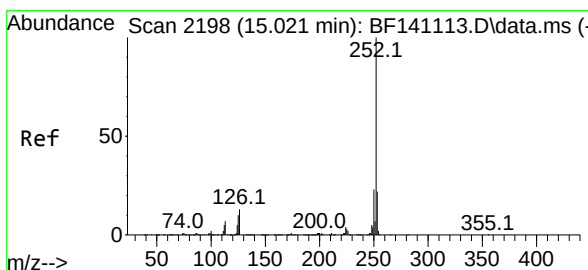
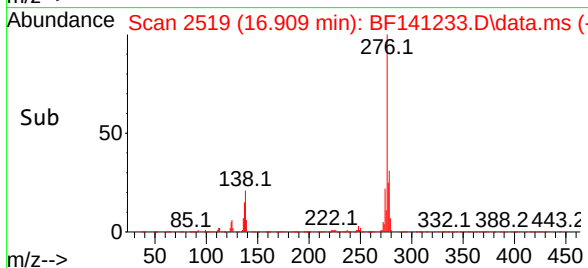
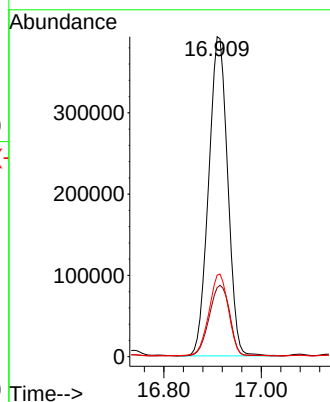
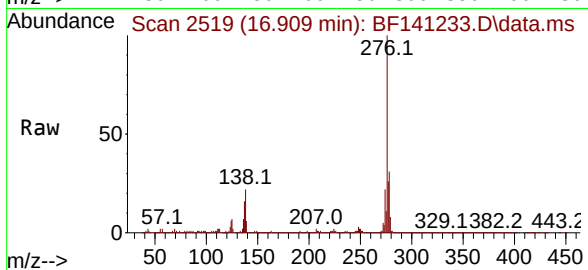
277 26.0 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#88

Benzo(b)fluoranthene

Concen: 63.159 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF141233.D

Acq: 21 Jan 2025 14:02

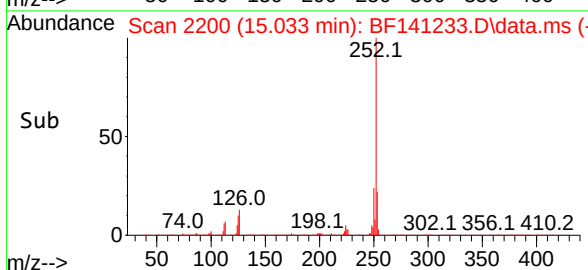
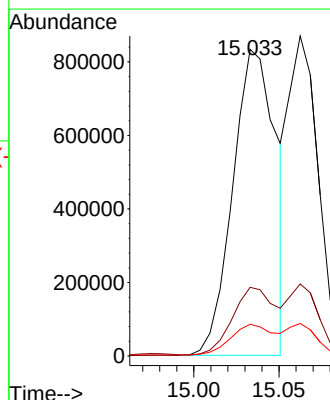
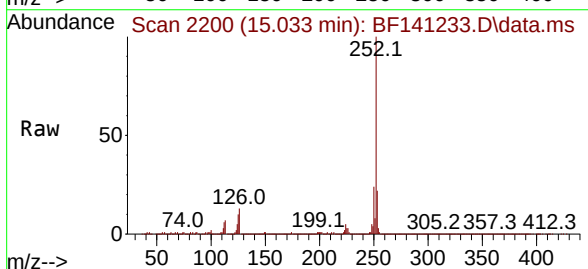
Tgt Ion:252 Resp: 1467226

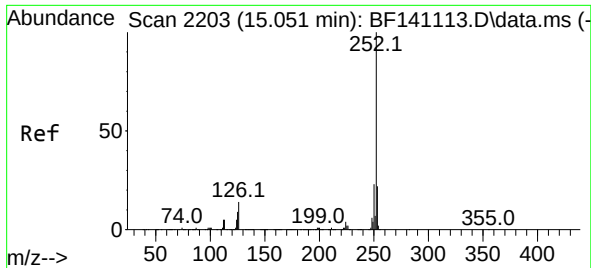
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 10.3 8.1 12.1





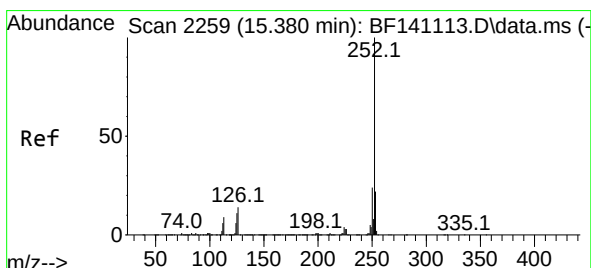
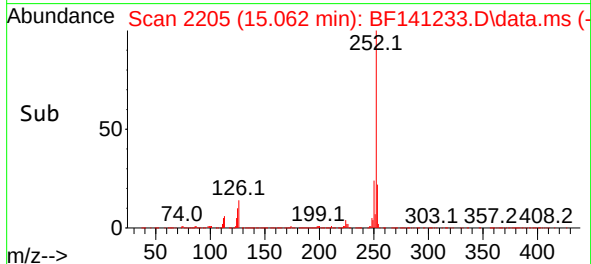
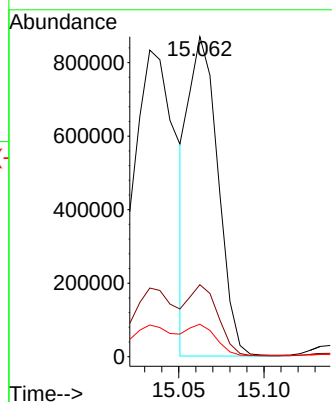
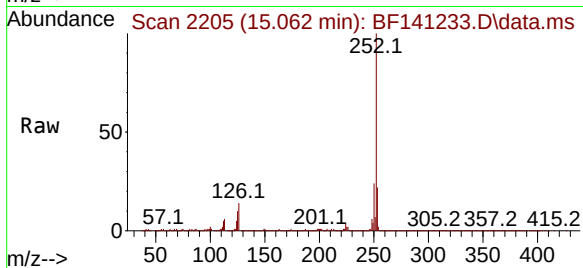
#89
Benzo(k)fluoranthene
Concen: 53.582 ng
RT: 15.062 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD

Tgt Ion:252 Resp: 1051910
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 10.2 7.9 11.9

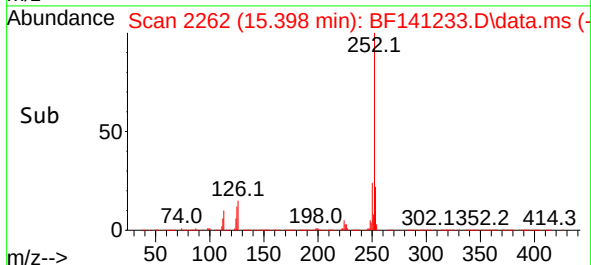
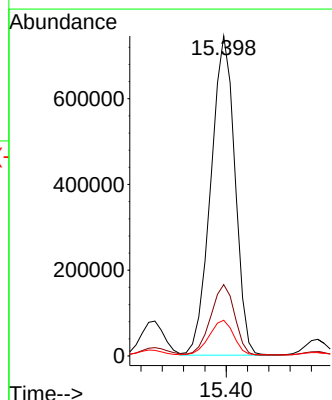
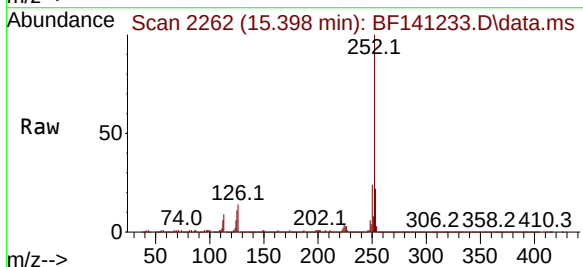
Manual Integrations
APPROVED

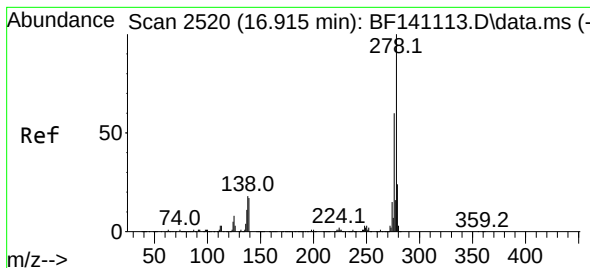
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#90
Benzo(a)pyrene
Concen: 61.032 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

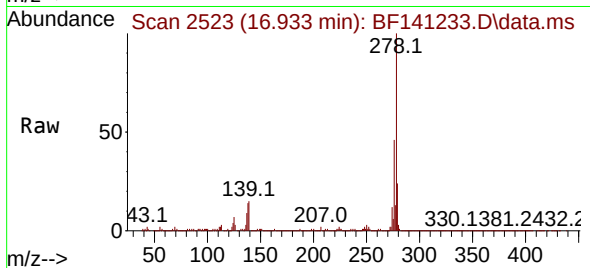
Tgt Ion:252 Resp: 1169773
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.2 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 39.480 ng
RT: 16.933 min Scan# 2523
Delta R.T. 0.018 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02

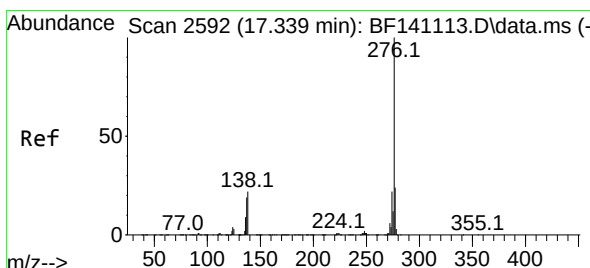
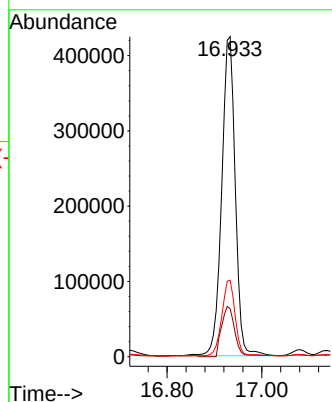
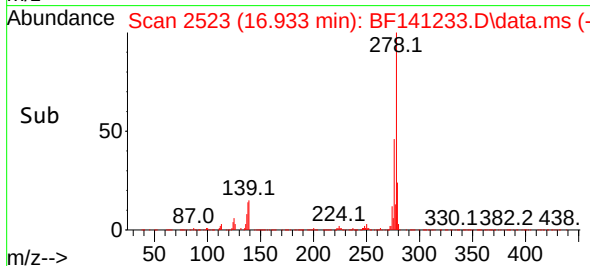
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MSD



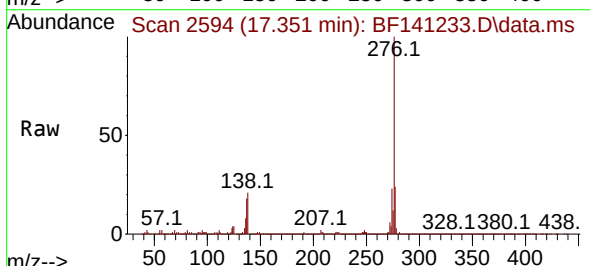
Tgt Ion:278 Resp: 84280
Ion Ratio Lower Upper
278 100
139 15.0 13.8 20.6
279 23.9 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#92
Benzo(g,h,i)perylene
Concen: 34.696 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.012 min
Lab File: BF141233.D
Acq: 21 Jan 2025 14:02



Tgt Ion:276 Resp: 770412
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 20.9 17.4 26.2

