

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141214.D
 Acq On : 20 Jan 2025 11:30
 Operator : RC/JU
 Sample : PB166115BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166115BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

Quant Time: Jan 20 11:53:21 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	6.810	152	157680	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	632035	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	344399	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	583291	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	387847	20.000	ng	-0.01
86) Perylene-d12	15.433	264	335070	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1402403	137.394	ng	0.00
7) Phenol-d6	6.445	99	1777387	137.468	ng	0.00
23) Nitrobenzene-d5	7.375	82	1142730	95.840	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	621790	158.450	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	2160102	95.778	ng	-0.01
79) Terphenyl-d14	12.921	244	2546992	97.606	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	186357	40.999	ng	99
3) Pyridine	3.369	79	468320	42.015	ng	96
4) n-Nitrosodimethylamine	3.316	42	258949	47.512	ng	98
6) Aniline	6.475	93	475561	41.428	ng	# 88
8) 2-Chlorophenol	6.598	128	565450	51.635	ng	97
9) Benzaldehyde	6.357	77	63807	8.379	ng	97
10) Phenol	6.457	94	673629	48.671	ng	90
11) bis(2-Chloroethyl)ether	6.551	93	513237	49.758	ng	96
12) 1,3-Dichlorobenzene	6.751	146	583547	47.778	ng	99
13) 1,4-Dichlorobenzene	6.828	146	590214	47.954	ng	99
14) 1,2-Dichlorobenzene	6.981	146	568313	49.501	ng	98
15) Benzyl Alcohol	6.951	79	489834	52.460	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.087	45	690609	47.981	ng	94
17) 2-Methylphenol	7.069	107	450994	51.011	ng	98
18) Hexachloroethane	7.322	117	216691	48.685	ng	99
19) n-Nitroso-di-n-propyla...	7.228	70	378590	49.708	ng	97
20) 3+4-Methylphenols	7.222	107	548850	49.206	ng	# 81
22) Acetophenone	7.222	105	735524	48.953	ng	# 95
24) Nitrobenzene	7.392	77	575528	46.314	ng	99
25) Isophorone	7.634	82	1035184	50.803	ng	99
26) 2-Nitrophenol	7.710	139	303835	53.751	ng	99
27) 2,4-Dimethylphenol	7.745	122	454813	59.651	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	630120	49.275	ng	100
29) 2,4-Dichlorophenol	7.951	162	464384	51.282	ng	99
30) 1,2,4-Trichlorobenzene	8.034	180	486020	46.955	ng	99
31) Naphthalene	8.116	128	1605635	48.173	ng	100
32) Benzoic acid	7.869	122	370926	50.714	ng	98
33) 4-Chloroaniline	8.163	127	218817	18.983	ng	98
34) Hexachlorobutadiene	8.233	225	302203	48.454	ng	99
35) Caprolactam	8.533	113	149980m	50.588	ng	
36) 4-Chloro-3-methylphenol	8.645	107	509536	51.450	ng	99
37) 2-Methylnaphthalene	8.804	142	1057984	49.812	ng	100
38) 1-Methylnaphthalene	8.904	142	984404	47.028	ng	99
40) 1,2,4,5-Tetrachloroben...	8.969	216	493514	49.926	ng	99
41) Hexachlorocyclopentadiene	8.957	237	607563	187.867	ng	99
43) 2,4,6-Trichlorophenol	9.081	196	349405	52.410	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	343567	48.796	ng	99
46) 1,1'-Biphenyl	9.269	154	1307832	48.898	ng	99
47) 2-Chloronaphthalene	9.292	162	993125	47.674	ng	99
48) 2-Nitroaniline	9.386	65	307234	49.753	ng	97
49) Acenaphthylene	9.710	152	1556115	52.284	ng	99
50) Dimethylphthalate	9.575	163	1175159	50.827	ng	100
51) 2,6-Dinitrotoluene	9.633	165	262419	48.807	ng	98
52) Acenaphthene	9.880	154	1156442	55.615	ng	100
53) 3-Nitroaniline	9.798	138	168091	30.765	ng	100
54) 2,4-Dinitrophenol	9.910	184	302461	118.351	ng	95
55) Dibenzofuran	10.057	168	1411446	49.904	ng	100
56) 4-Nitrophenol	9.963	139	438271	102.422	ng	94
57) 2,4-Dinitrotoluene	10.039	165	360521	52.030	ng	98
58) Fluorene	10.398	166	1090049	49.608	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	310641	53.078	ng	99
60) Diethylphthalate	10.275	149	1124632	49.825	ng	99
61) 4-Chlorophenyl-phenyle...	10.392	204	532472	49.720	ng	100
62) 4-Nitroaniline	10.416	138	270549	50.592	ng	97
63) Azobenzene	10.551	77	1101677	49.464	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	207237	61.313	ng	97
66) n-Nitrosodiphenylamine	10.510	169	965203	51.303	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	351736	52.377	ng	99
68) Hexachlorobenzene	10.945	284	398155	53.261	ng	97
69) Atrazine	11.039	200	336972	66.520	ng	99
70) Pentachlorophenol	11.139	266	497336	103.886	ng	100
71) Phenanthrene	11.357	178	1648617	52.646	ng	100
72) Anthracene	11.410	178	1675540	55.028	ng	100
73) Carbazole	11.563	167	1467093	52.547	ng	100
74) Di-n-butylphthalate	11.898	149	1700136	53.209	ng	100
75) Fluoranthene	12.545	202	1706417	54.606	ng	99
77) Benzidine	12.669	184	310503	43.171	ng	99
78) Pyrene	12.774	202	1753273	47.329	ng	99
80) Butylbenzylphthalate	13.398	149	670710	54.305	ng	98
81) Benzo(a)anthracene	13.963	228	1341144	50.810	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	238344	28.358	ng	99
83) Chrysene	14.004	228	1194661	48.371	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	826160	55.749	ng	100
85) Di-n-octyl phthalate	14.580	149	1204958	53.845	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	1217843	49.610	ng	98
88) Benzo(b)fluoranthene	15.015	252	1076009	49.800	ng	99
89) Benzo(k)fluoranthene	15.045	252	1043658	57.158	ng	99
90) Benzo(a)pyrene	15.374	252	988532	55.453	ng	99
91) Dibenzo(a,h)anthracene	16.904	278	974928	49.103	ng	98
92) Benzo(g,h,i)perylene	17.321	276	931749	45.117	ng	99

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



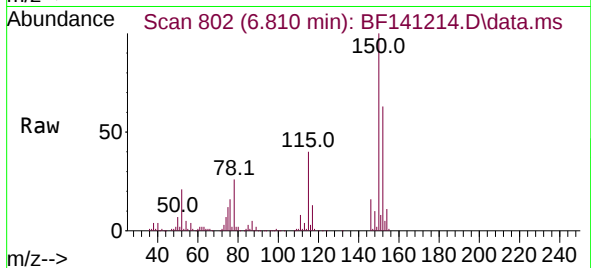
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

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BNA_F

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PB166115BS

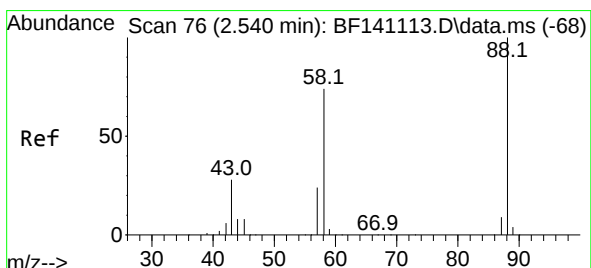
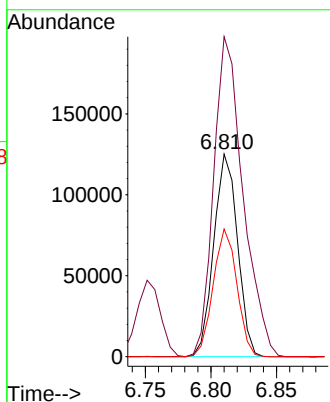
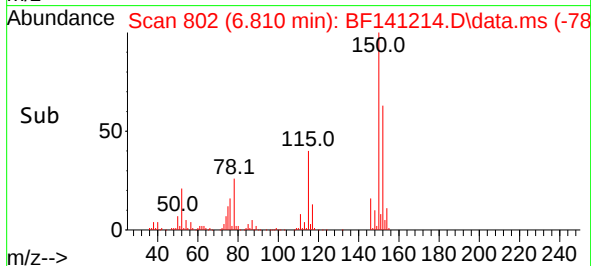


Tgt Ion:152 Resp: 157680
Ion Ratio Lower Upper
152 100
150 158.0 125.8 188.8
115 63.0 51.4 77.2

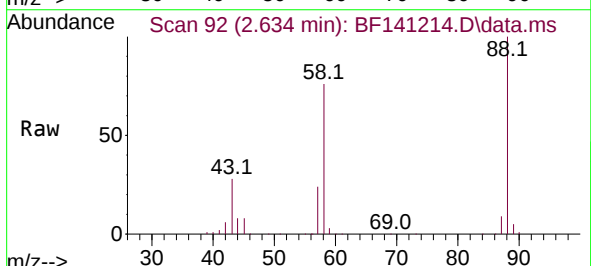
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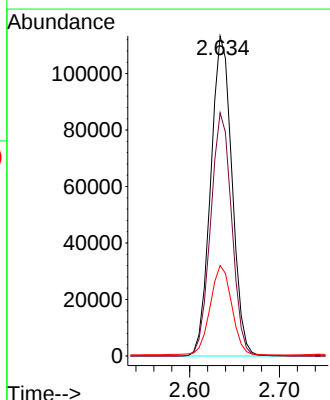
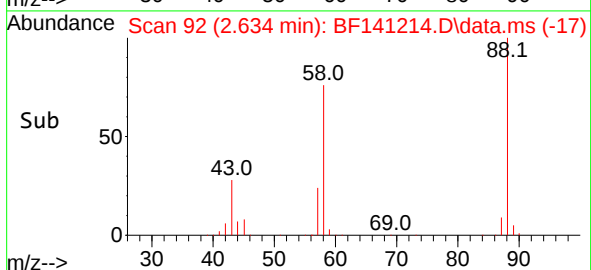
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

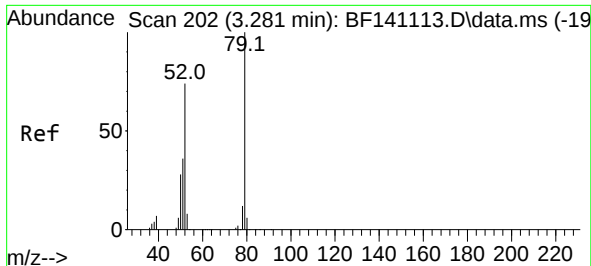


#2
1,4-Dioxane
Concen: 40.999 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.094 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



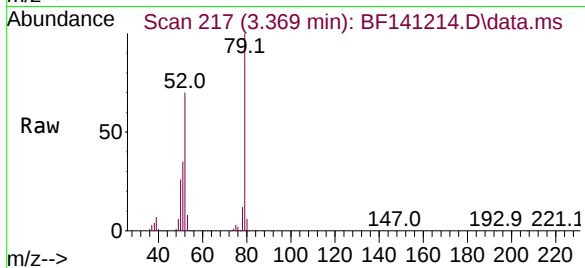
Tgt Ion: 88 Resp: 186357
Ion Ratio Lower Upper
88 100
58 75.5 60.1 90.1
43 28.5 23.1 34.7





#3
Pyridine
Concen: 42.015 ng
RT: 3.369 min Scan# 217
Delta R.T. 0.088 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

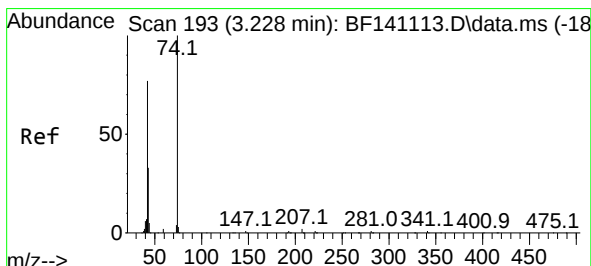
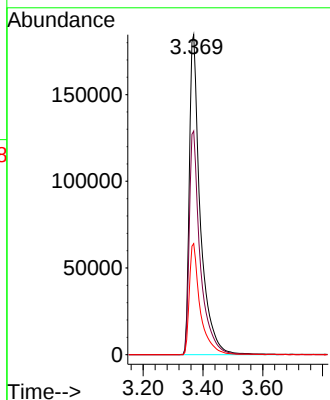
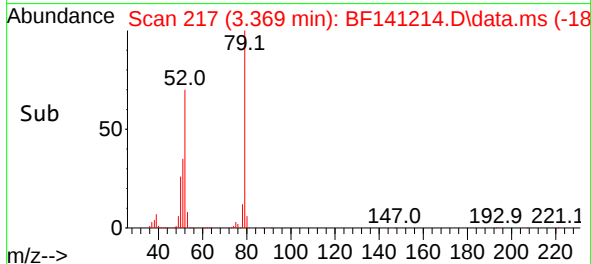
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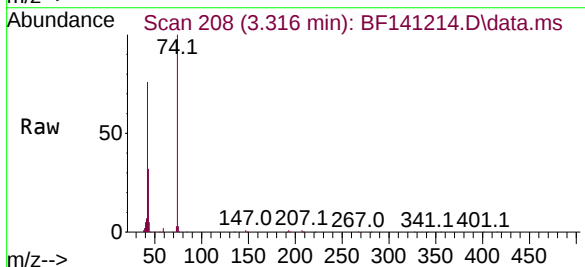
Tgt Ion: 79 Resp: 468320
Ion Ratio Lower Upper
79 100
52 69.9 58.9 88.3
51 34.7 29.1 43.7

Manual Integrations
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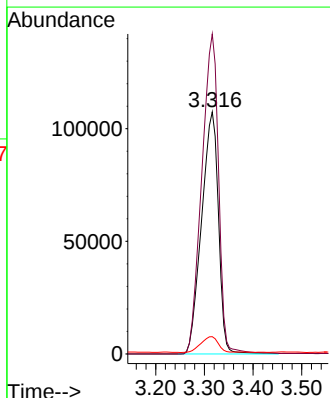
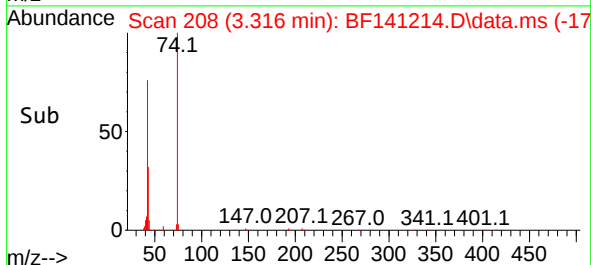
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Supervised By :mohammad ahmed 01/21/2025

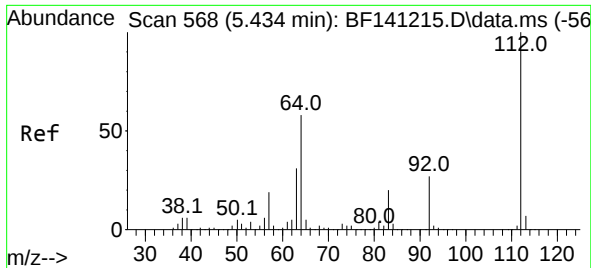


#4
n-Nitrosodimethylamine
Concen: 47.512 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.088 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion: 42 Resp: 258949
Ion Ratio Lower Upper
42 100
74 132.2 103.8 155.6
44 7.2 5.3 7.9





#5
2-Fluorophenol
Concen: 137.394 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

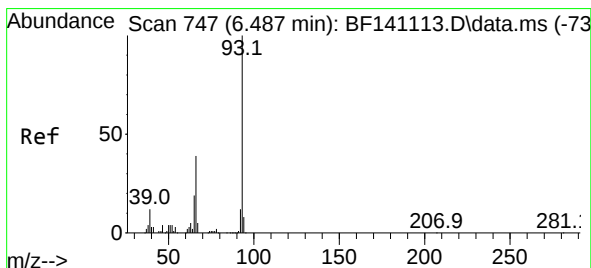
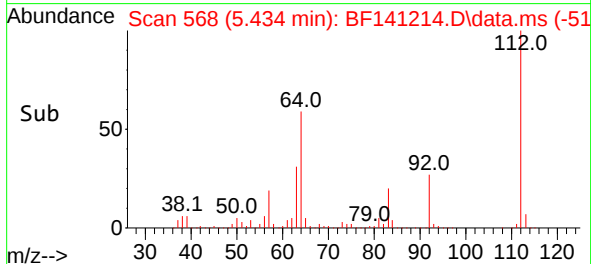
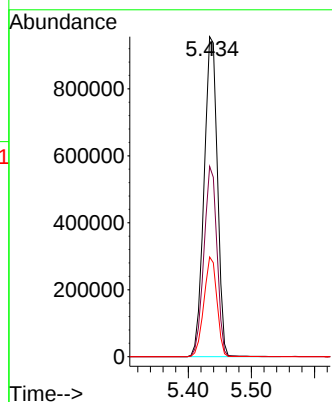
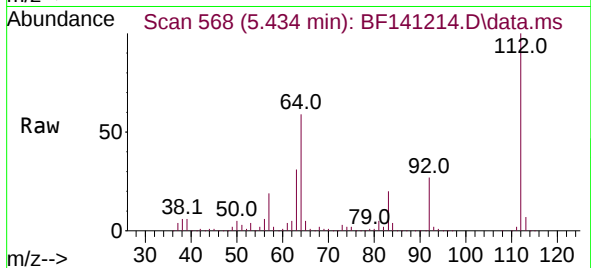
PB166115BS

Tgt Ion:112 Resp: 140240
Ion Ratio Lower Upper
112 100
64 59.4 47.3 70.9
63 31.2 24.2 36.2

Manual Integrations

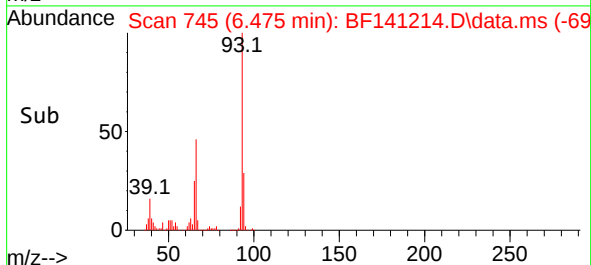
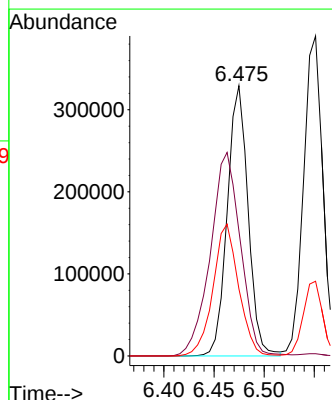
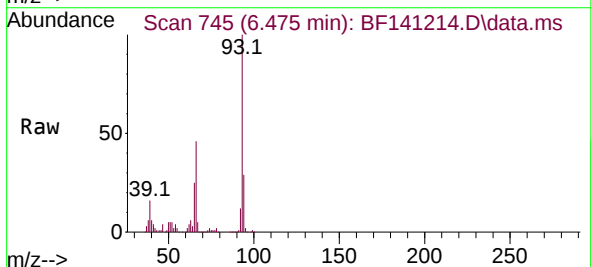
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#6
Aniline
Concen: 41.428 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

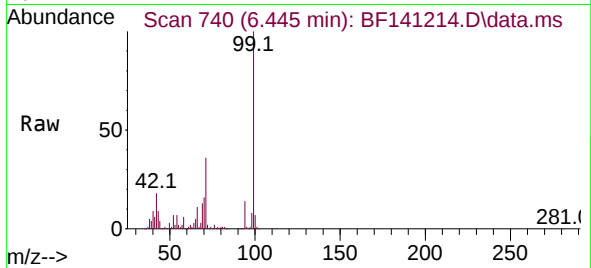
Tgt Ion: 93 Resp: 475561
Ion Ratio Lower Upper
93 100
66 46.3 31.5 47.3
65 24.8 15.3 22.9





#7
Phenol-d6
Concen: 137.468 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.000 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

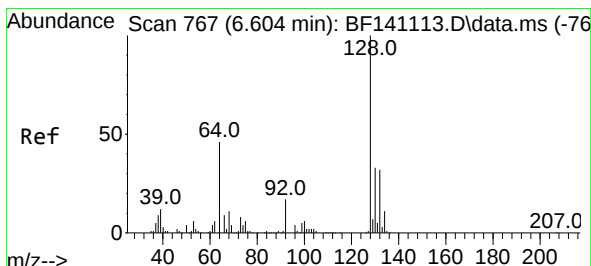
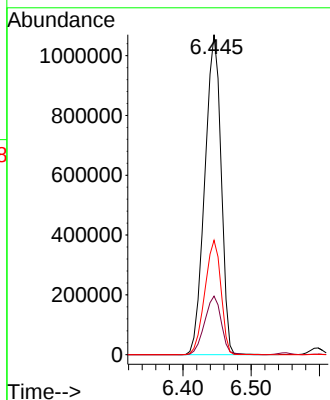
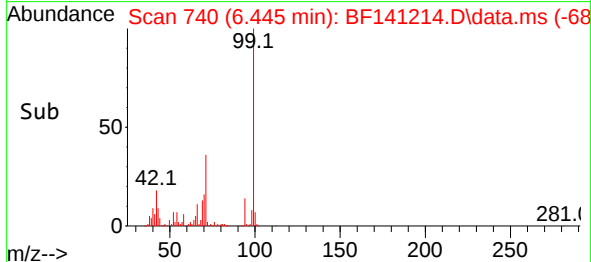
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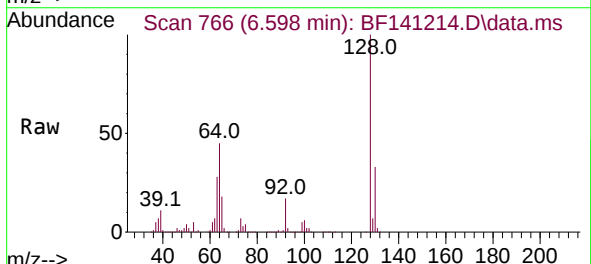
Tgt Ion: 99 Resp: 177738
Ion Ratio Lower Upper
99 100
42 18.3 15.0 22.4
71 35.8 27.6 41.4

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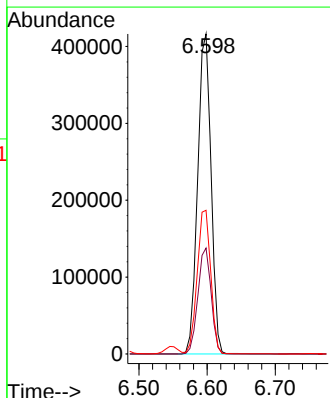
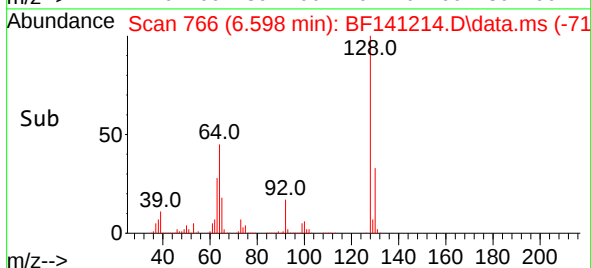
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#8
2-Chlorophenol
Concen: 51.635 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141214.D
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Tgt Ion:128 Resp: 565450
Ion Ratio Lower Upper
128 100
130 33.1 12.5 52.5
64 44.9 28.3 68.3





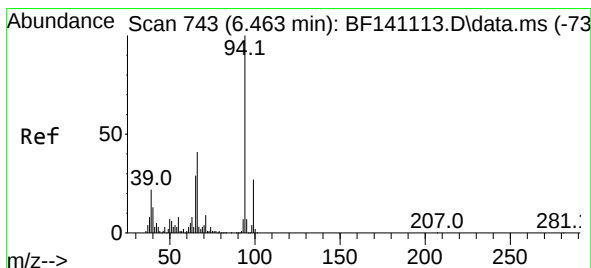
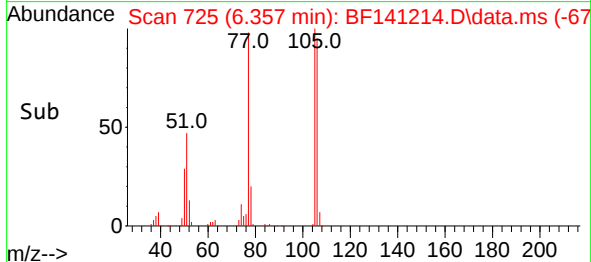
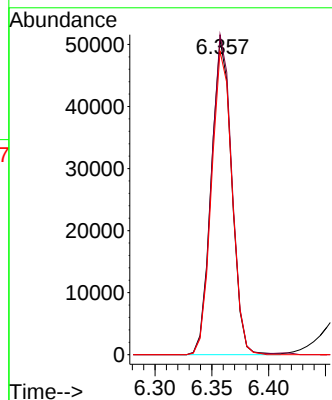
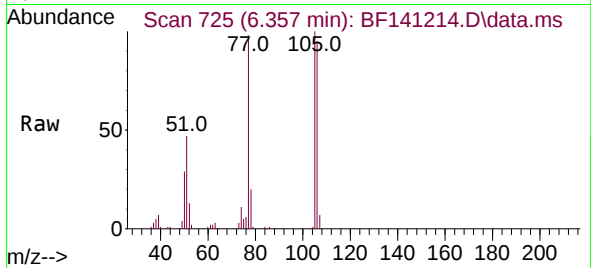
#9
Benzaldehyde
Concen: 8.379 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :
BNA_F
ClientSampleId :
PB166115BS

Tgt Ion: 77 Resp: 6380
Ion Ratio Lower Upper
77 100
105 101.5 78.9 118.9
106 96.3 73.6 113.6

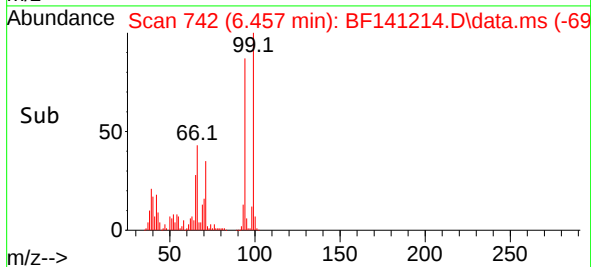
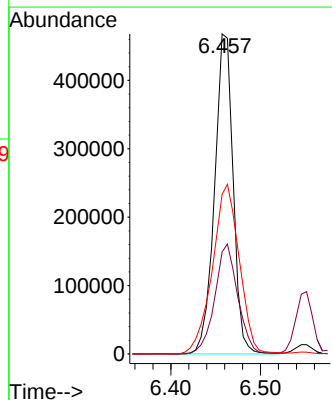
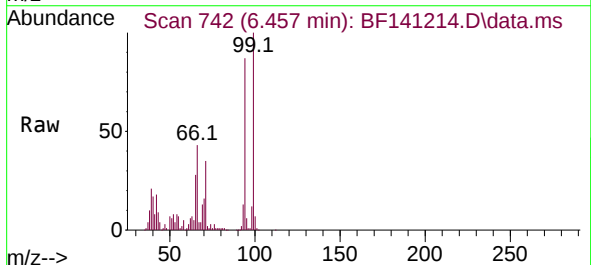
Manual Integrations
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Supervised By :mohammad ahmed 01/21/2025



#10
Phenol
Concen: 48.671 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

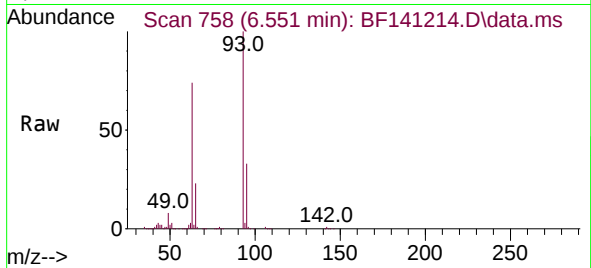
Tgt Ion: 94 Resp: 673629
Ion Ratio Lower Upper
94 100
65 31.9 8.9 48.9
66 49.9 21.2 61.2





#11
bis(2-Chloroethyl)ether
Concen: 49.758 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

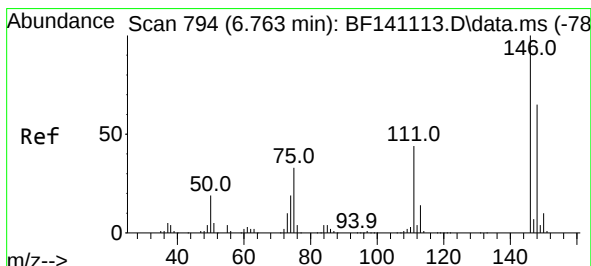
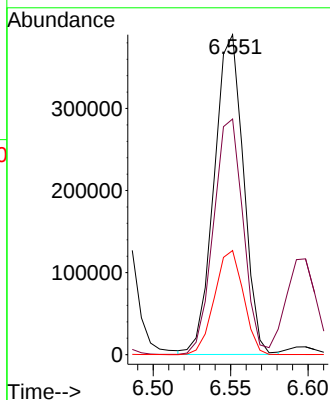
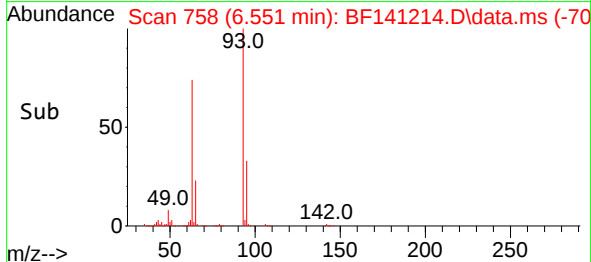
Instrument :
BNA_F
ClientSampleId :
PB166115BS



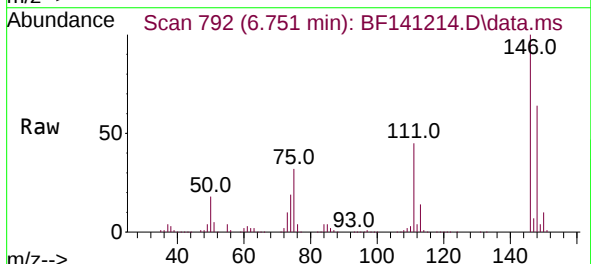
Tgt Ion: 93 Resp: 51323
Ion Ratio Lower Upper
93 100
63 73.7 58.0 98.0
95 32.5 12.5 52.5

Manual Integrations
APPROVED

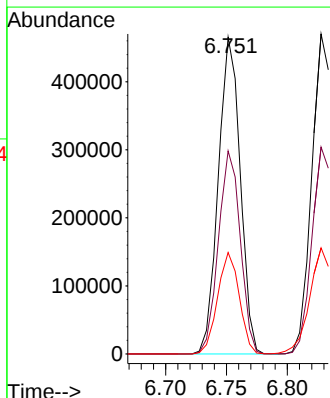
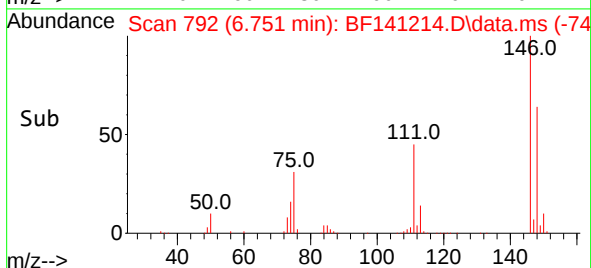
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

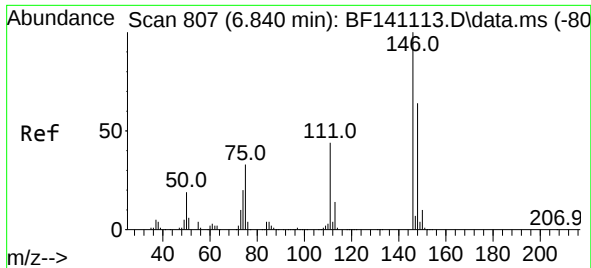


#12
1,3-Dichlorobenzene
Concen: 47.778 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



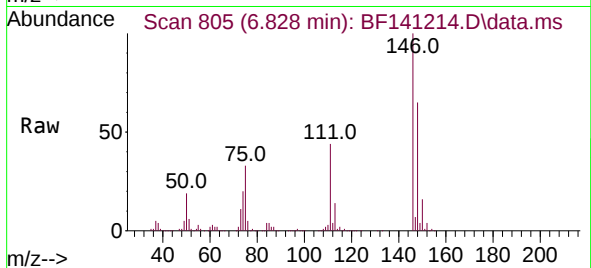
Tgt Ion:146 Resp: 583547
Ion Ratio Lower Upper
146 100
148 64.1 51.6 77.4
75 32.0 26.2 39.2





#13
1,4-Dichlorobenzene
Concen: 47.954 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

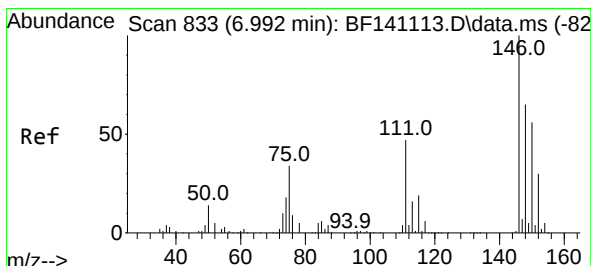
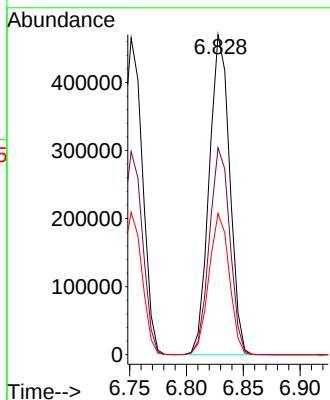
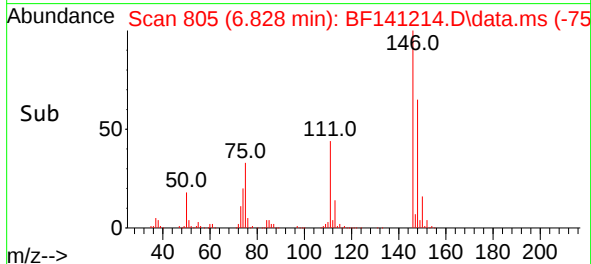
Instrument :
BNA_F
ClientSampleId :
PB166115BS



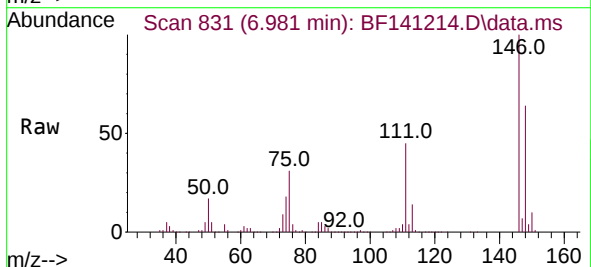
Tgt Ion:146 Resp: 590214
Ion Ratio Lower Upper
146 100
148 64.7 51.0 76.6
111 44.1 34.9 52.3

Manual Integrations
APPROVED

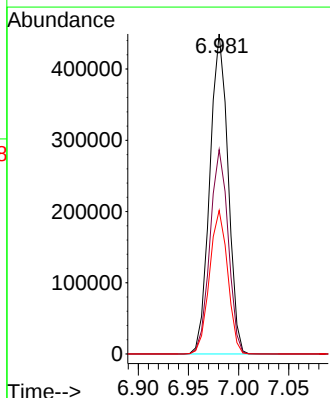
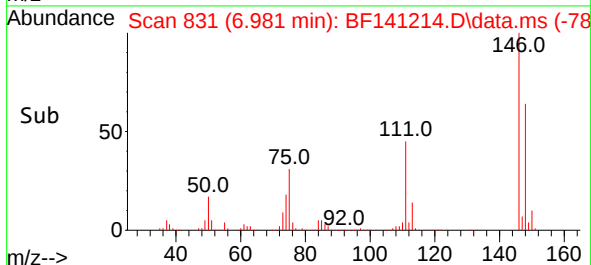
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

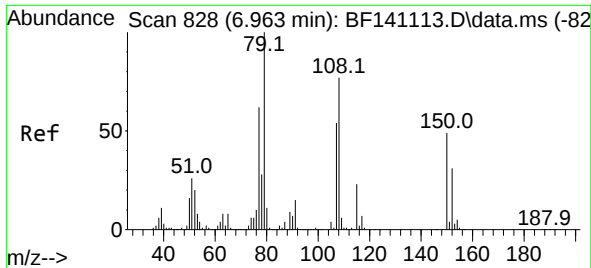


#14
1,2-Dichlorobenzene
Concen: 49.501 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



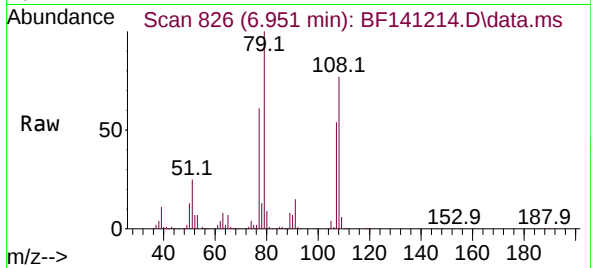
Tgt Ion:146 Resp: 568313
Ion Ratio Lower Upper
146 100
148 63.9 52.2 78.4
111 44.8 37.5 56.3





#15
Benzyl Alcohol
Concen: 52.460 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

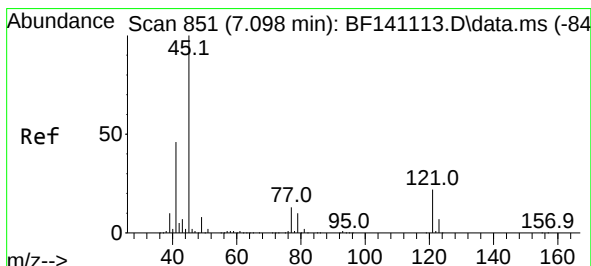
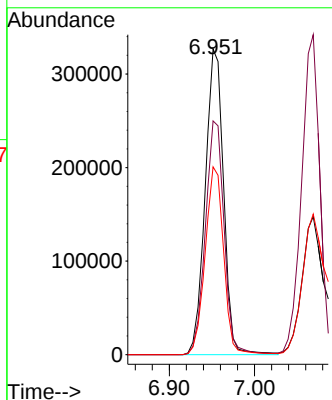
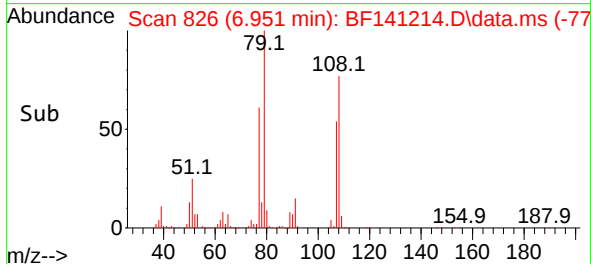
Instrument :
BNA_F
ClientSampleId :
PB166115BS



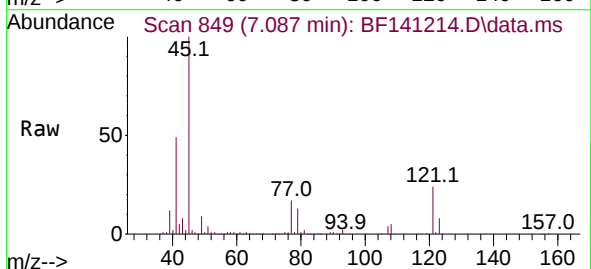
Tgt Ion: 79 Resp: 489834
Ion Ratio Lower Upper
79 100
108 76.5 61.4 92.0
77 61.5 49.8 74.6

Manual Integrations
APPROVED

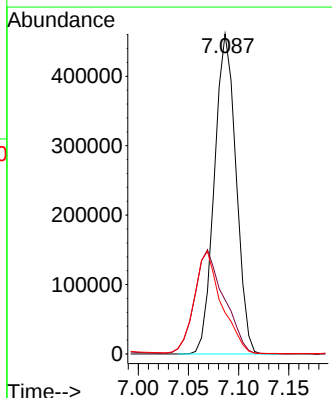
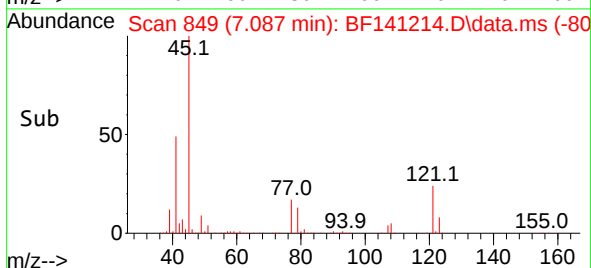
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

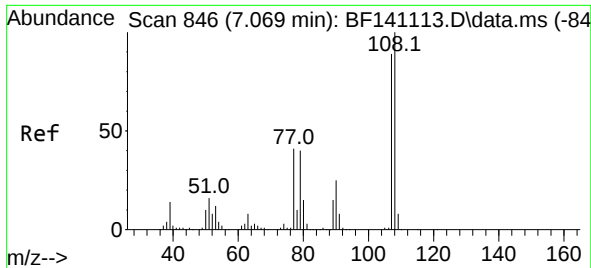


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.981 ng
RT: 7.087 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



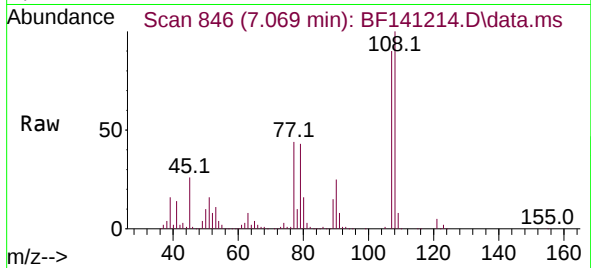
Tgt Ion: 45 Resp: 690609
Ion Ratio Lower Upper
45 100
77 16.9 0.0 34.1
79 12.9 0.0 31.0





#17
2-Methylphenol
Concen: 51.011 ng
RT: 7.069 min Scan# 846
Delta R.T. -0.000 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

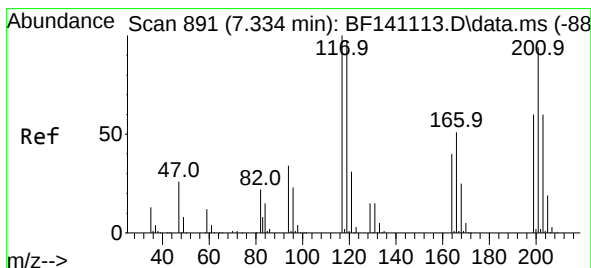
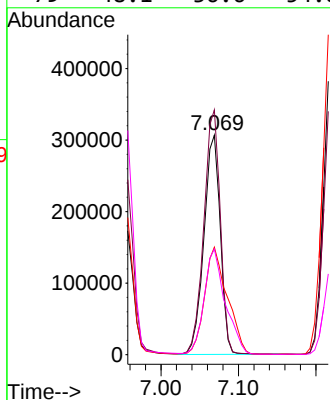
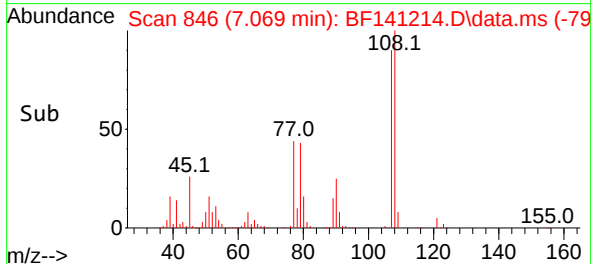
Instrument :
BNA_F
ClientSampleId :
PB166115BS



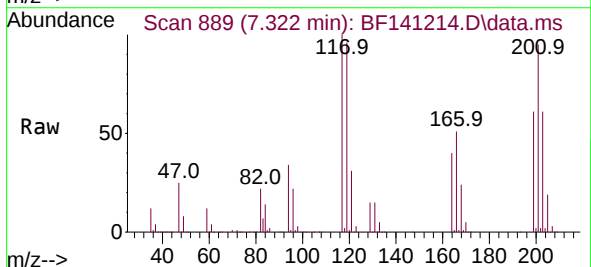
Tgt Ion:107 Resp: 450994
Ion Ratio Lower Upper
107 100
108 111.5 90.1 135.1
77 49.0 36.6 55.0
79 48.1 36.6 54.8

Manual Integrations
APPROVED

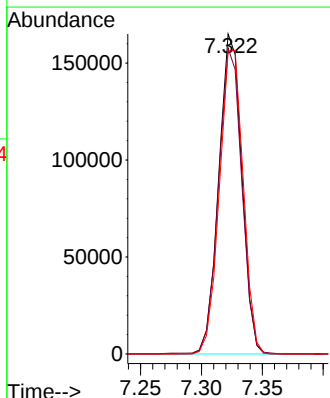
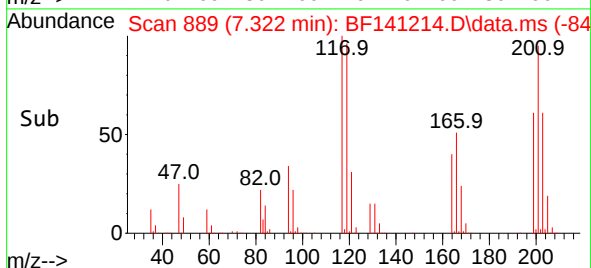
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#18
Hexachloroethane
Concen: 48.685 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



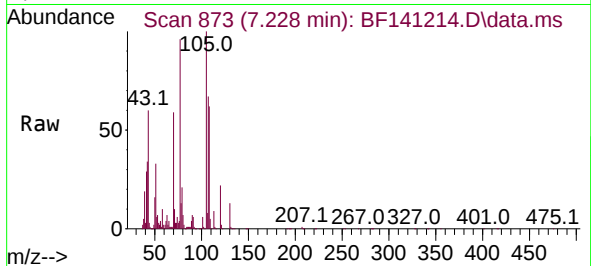
Tgt Ion:117 Resp: 216691
Ion Ratio Lower Upper
117 100
119 95.6 77.6 116.4
201 94.5 75.1 112.7





#19
n-Nitroso-di-n-propylamine
Concen: 49.708 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

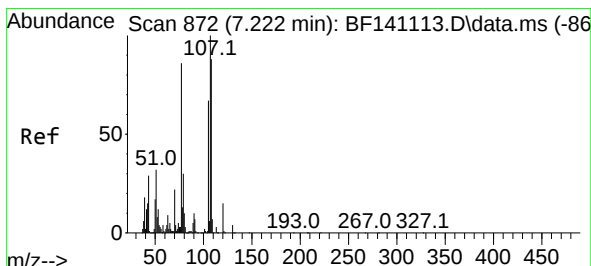
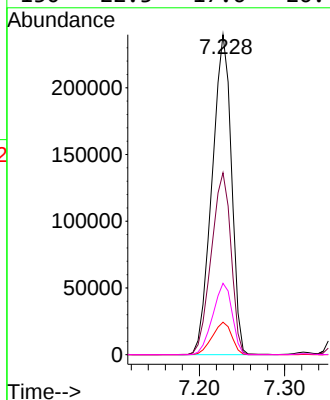
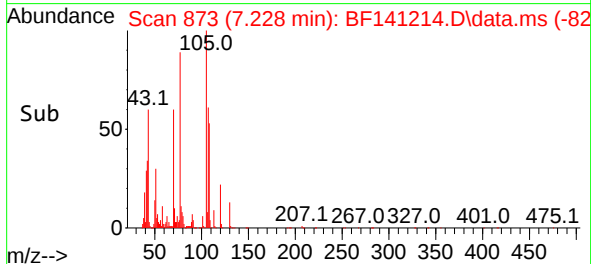
Instrument :
BNA_F
ClientSampleId :
PB166115BS



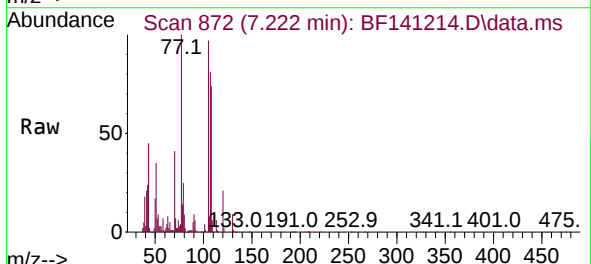
Tgt Ion: 70 Resp: 378590
Ion Ratio Lower Upper
70 100
42 56.8 47.8 71.6
101 10.1 7.9 11.9
130 22.3 17.6 26.4

Manual Integrations
APPROVED

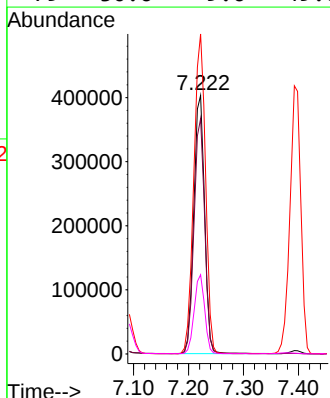
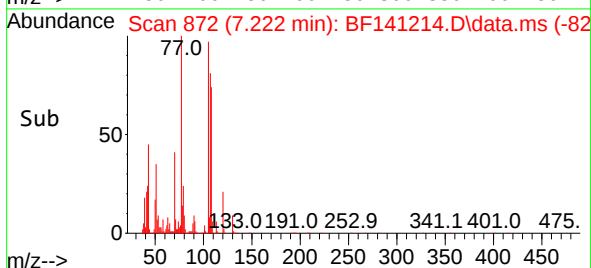
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

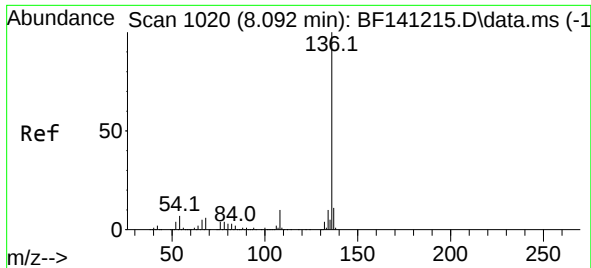


#20
3+4-Methylphenols
Concen: 49.206 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:107 Resp: 548850
Ion Ratio Lower Upper
107 100
108 91.0 68.3 108.3
77 123.7 66.4 106.4#
79 30.6 9.6 49.6





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

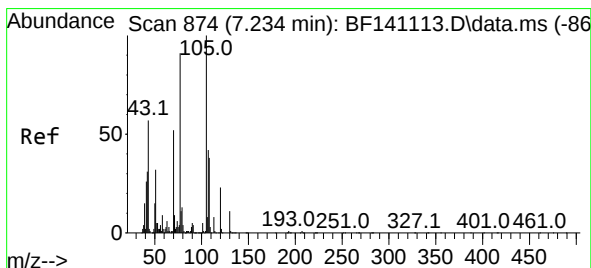
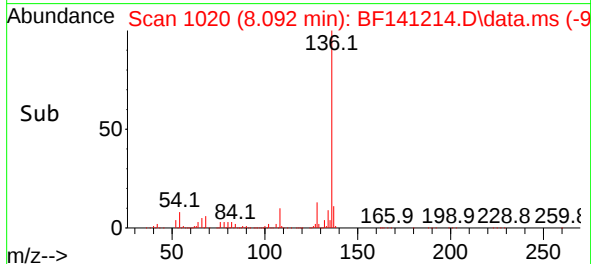
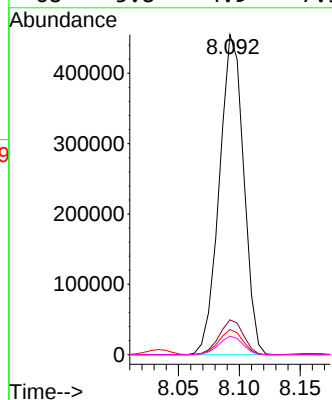
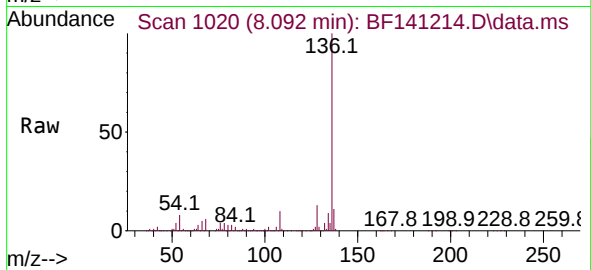
PB166115BS

Tgt Ion:136 Resp: 632035
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.8 6.3 9.5
68 5.8 4.9 7.3

Manual Integrations

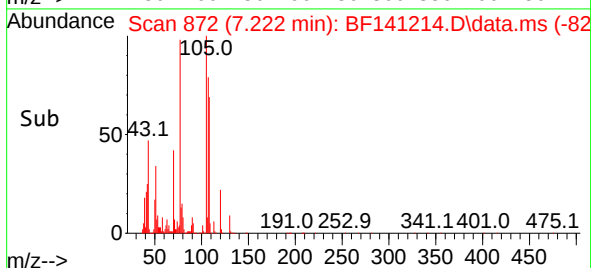
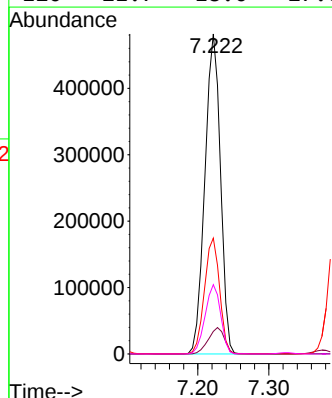
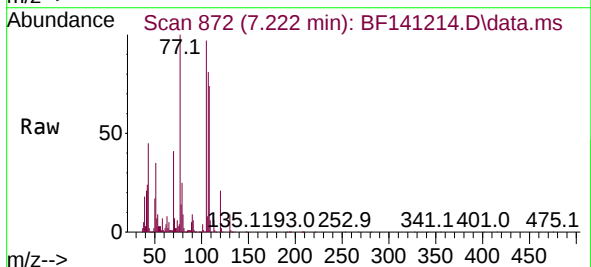
APPROVED

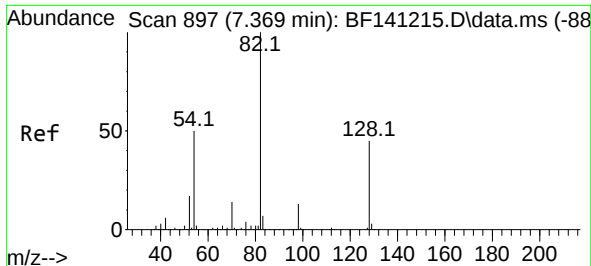
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#22
Acetophenone
Concen: 48.953 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:105 Resp: 735524
Ion Ratio Lower Upper
105 100
71 7.0 7.1 10.7#
51 36.2 25.4 38.2
120 21.7 18.0 27.0





#23

Nitrobenzene-d5

Concen: 95.840 ng

RT: 7.375 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

Tgt Ion: 82 Resp: 1142730

Ion Ratio Lower Upper

82 100

128 44.9 36.1 54.1

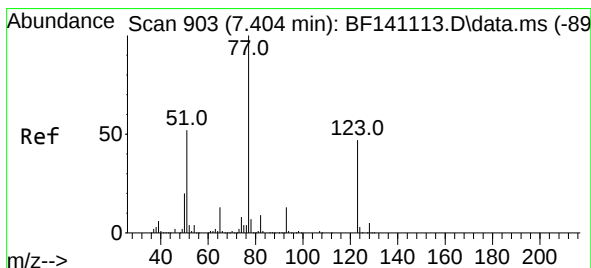
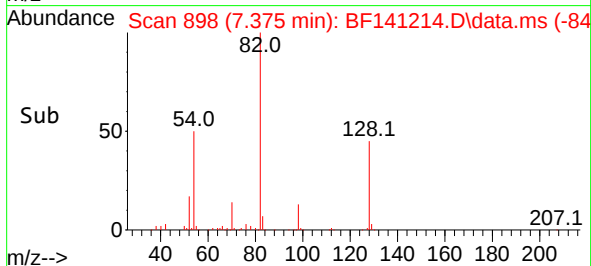
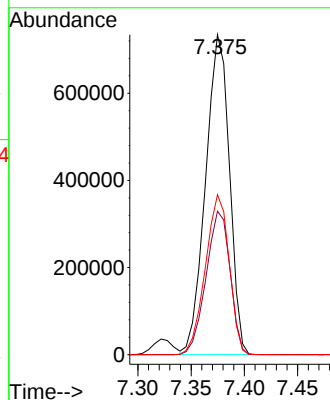
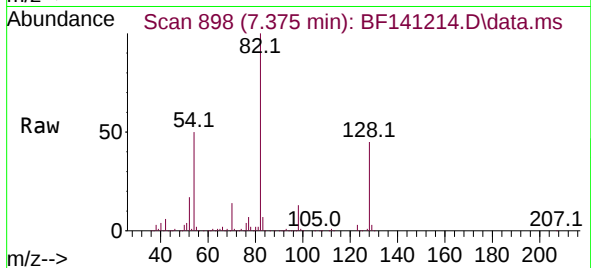
54 50.0 41.0 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#24

Nitrobenzene

Concen: 46.314 ng

RT: 7.392 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

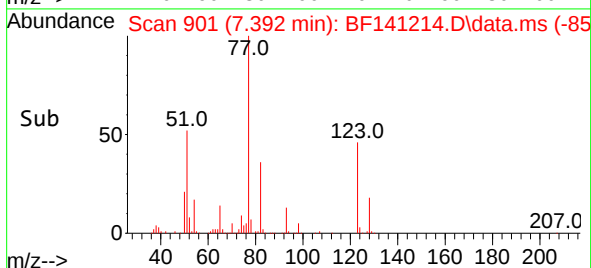
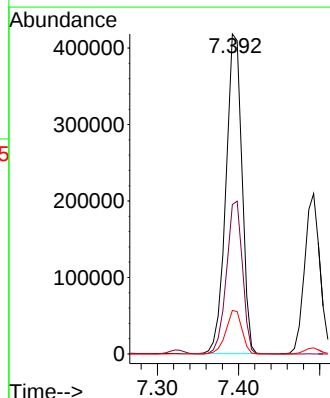
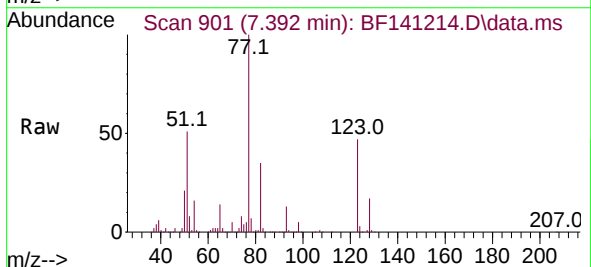
Tgt Ion: 77 Resp: 575528

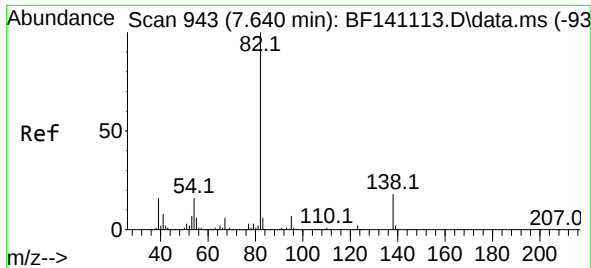
Ion Ratio Lower Upper

77 100

123 46.7 37.7 56.5

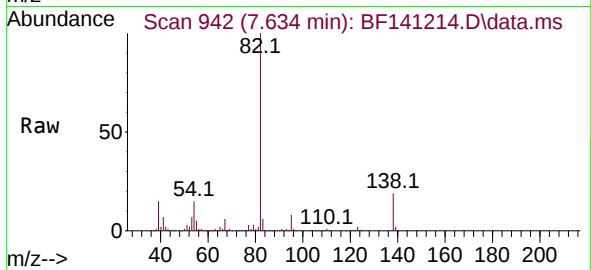
65 13.6 10.6 16.0





#25
Isophorone
Concen: 50.803 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

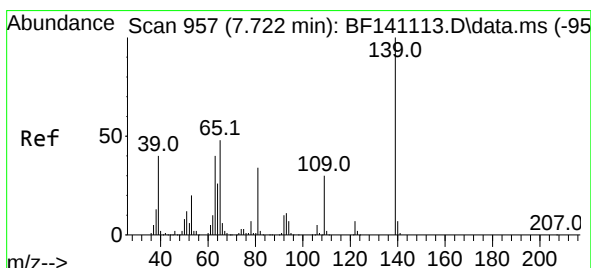
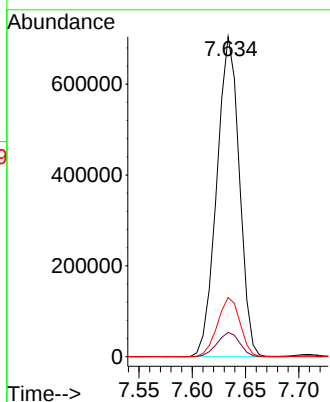
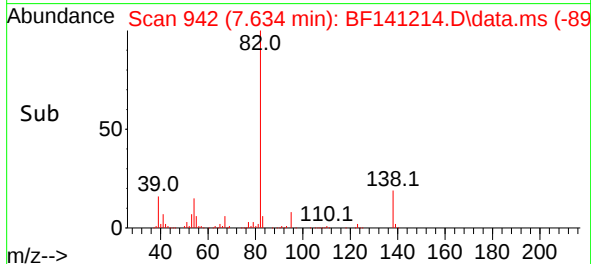
Instrument :
BNA_F
ClientSampleId :
PB166115BS



Tgt Ion: 82 Resp: 1035184
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 18.5 14.2 21.2

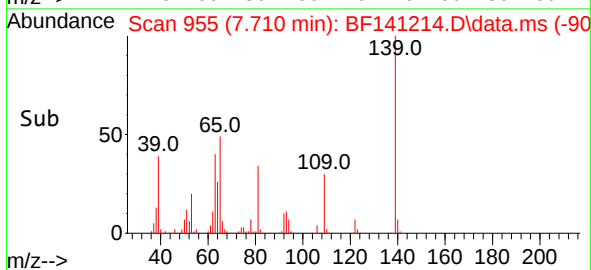
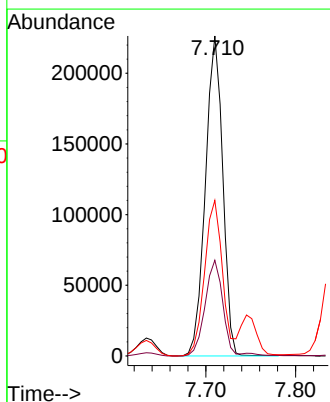
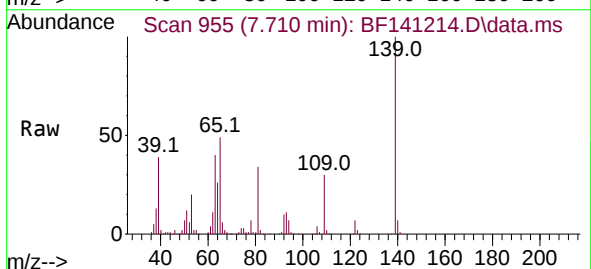
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#26
2-Nitrophenol
Concen: 53.751 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:139 Resp: 303835
Ion Ratio Lower Upper
139 100
109 29.9 23.8 35.6
65 48.6 38.5 57.7





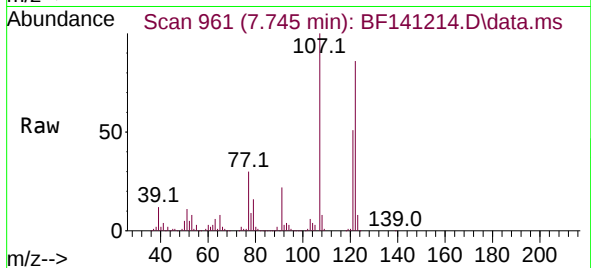
#27
2,4-Dimethylphenol
Concen: 59.651 ng
RT: 7.745 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

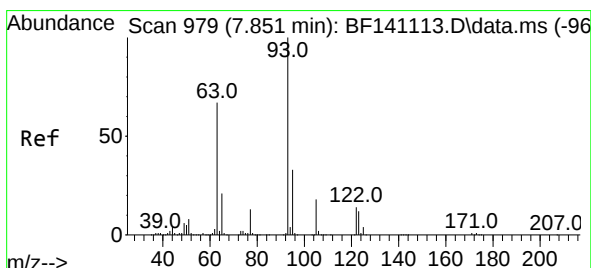
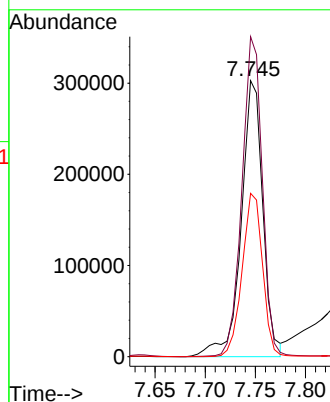
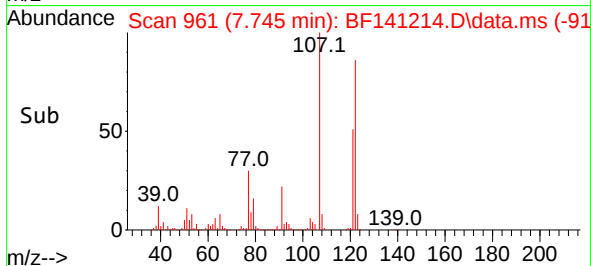


Tgt Ion:122 Resp: 45481
Ion Ratio Lower Upper
122 100
107 115.9 90.3 135.5
121 59.2 46.5 69.7

Manual Integrations

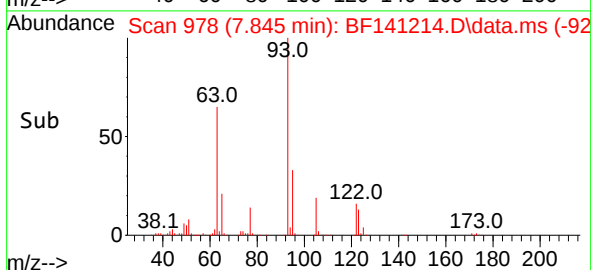
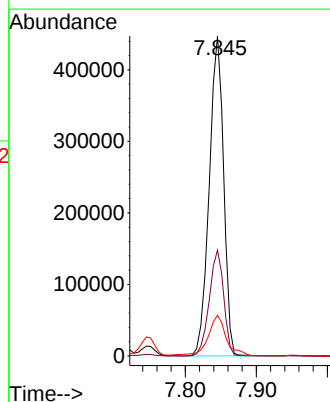
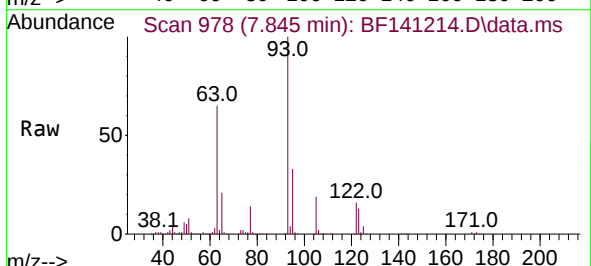
APPROVED

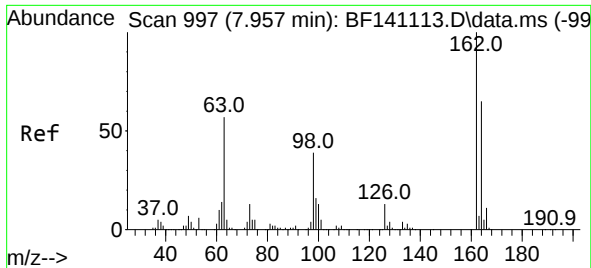
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#28
bis(2-Chloroethoxy)methane
Concen: 49.275 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion: 93 Resp: 630120
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.4
123 12.7 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 51.282 ng

RT: 7.951 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

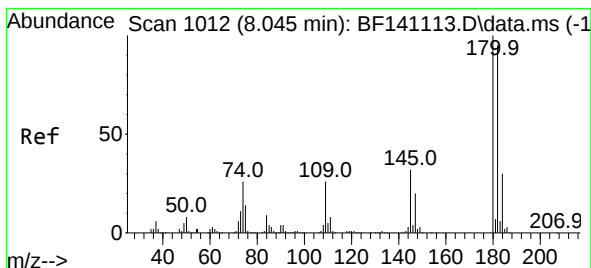
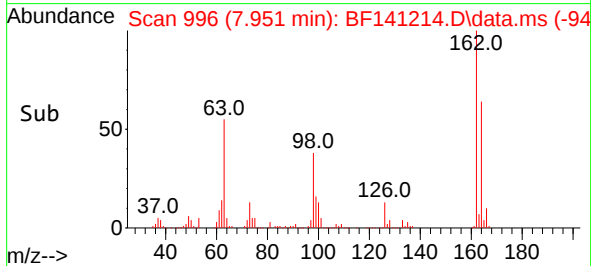
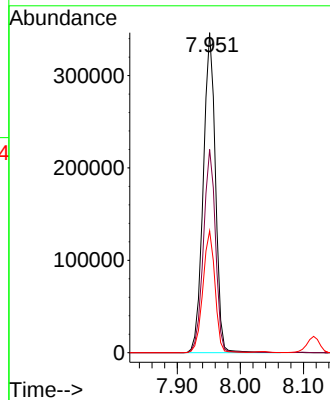
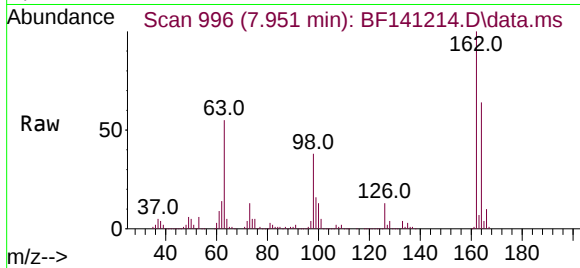
PB166115BS

Tgt Ion:162 Resp: 464384
 Ion Ratio Lower Upper
 162 100
 164 63.5 44.5 84.5
 98 38.1 18.5 58.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025



#30

1,2,4-Trichlorobenzene

Concen: 46.955 ng

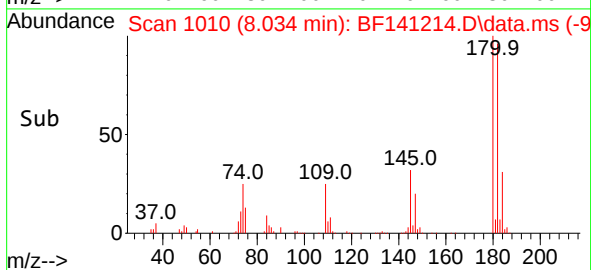
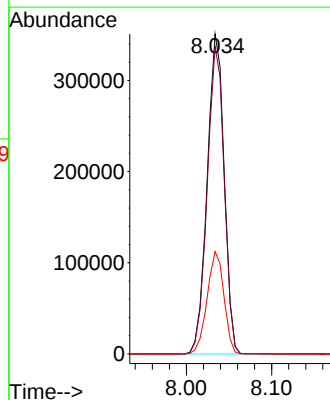
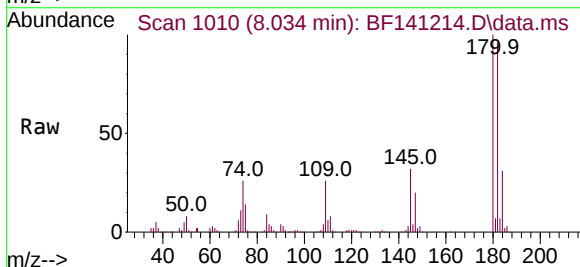
RT: 8.034 min Scan# 1010

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Tgt Ion:180 Resp: 486020
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.2 114.2
 145 32.0 25.3 37.9





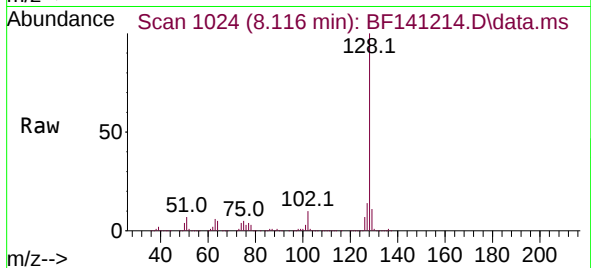
#31
Naphthalene
Concen: 48.173 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS



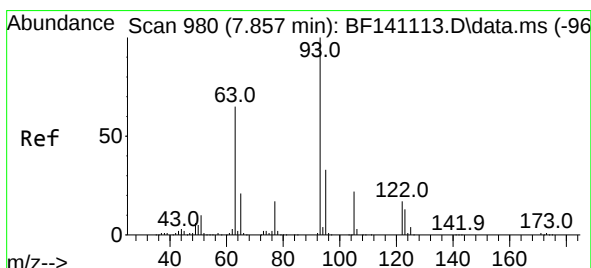
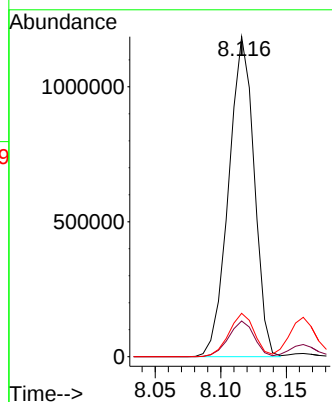
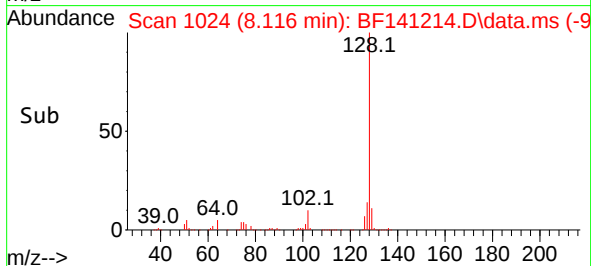
Tgt Ion:128 Resp: 160563
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.8 16.2

Manual Integrations

APPROVED

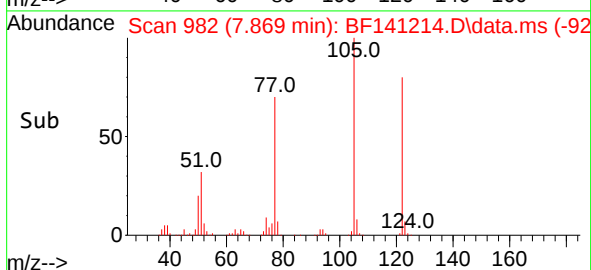
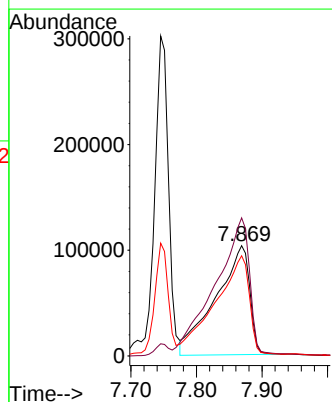
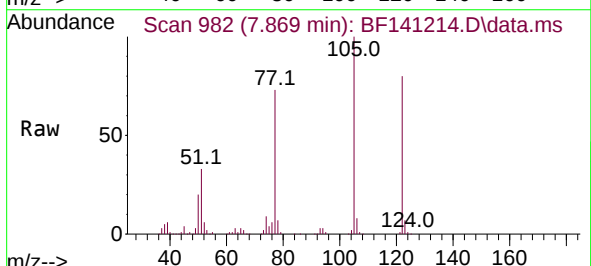
Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#32
Benzoic acid
Concen: 50.714 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:122 Resp: 370926
Ion Ratio Lower Upper
122 100
105 125.3 105.5 145.5
77 90.8 75.1 115.1





#33
4-Chloroaniline
Concen: 18.983 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

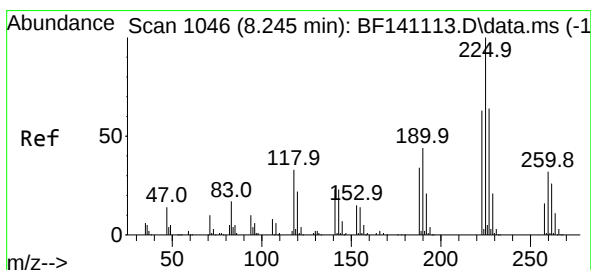
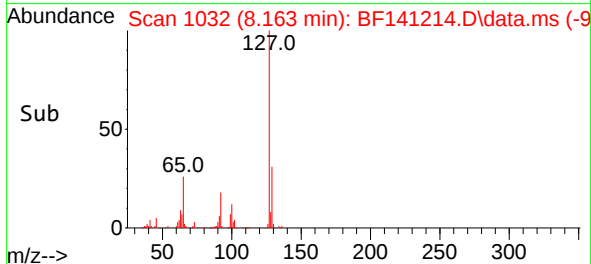
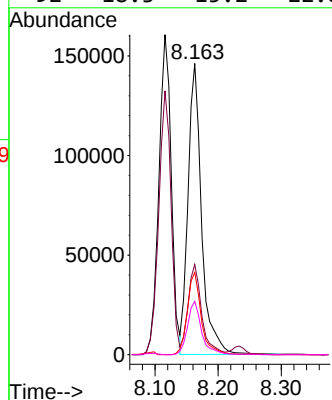
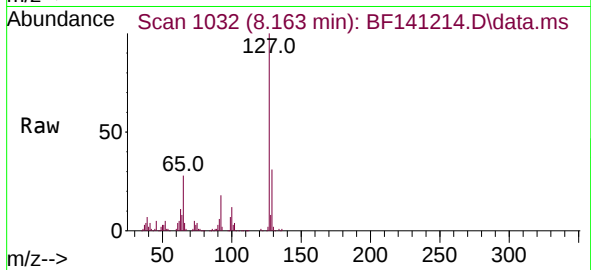
PB166115BS

Tgt Ion:127 Resp: 21881
Ion Ratio Lower Upper
127 100
129 31.0 25.9 38.9
65 28.3 23.8 35.8
92 18.3 15.2 22.8

Manual Integrations

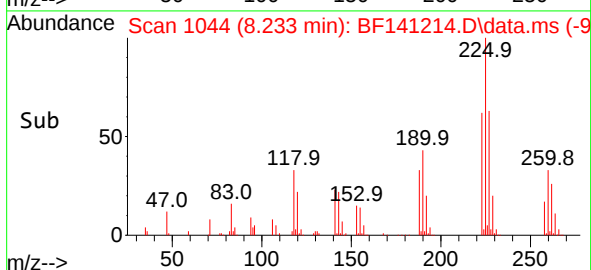
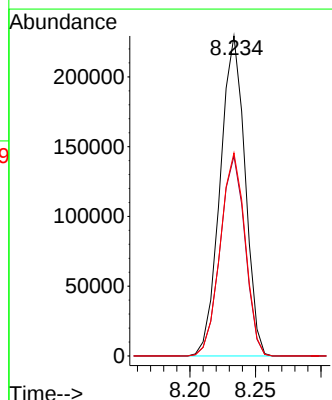
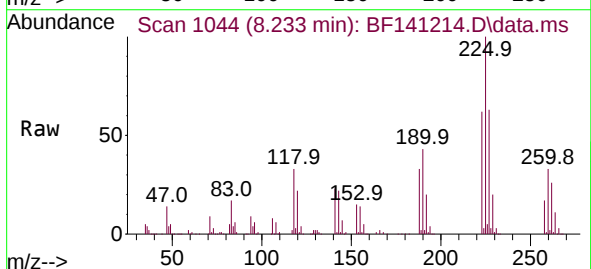
APPROVED

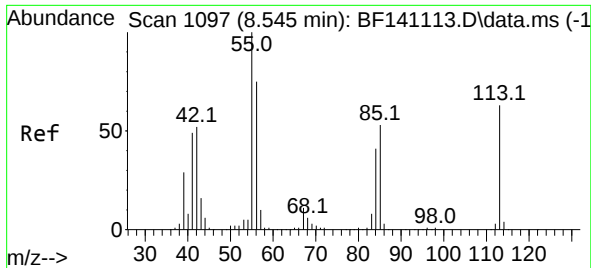
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#34
Hexachlorobutadiene
Concen: 48.454 ng
RT: 8.233 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

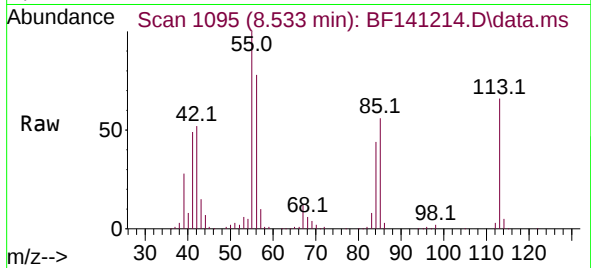
Tgt Ion:225 Resp: 302203
Ion Ratio Lower Upper
225 100
223 62.5 50.6 76.0
227 63.5 51.6 77.4





#35
Caprolactam
Concen: 50.588 ng m
RT: 8.533 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

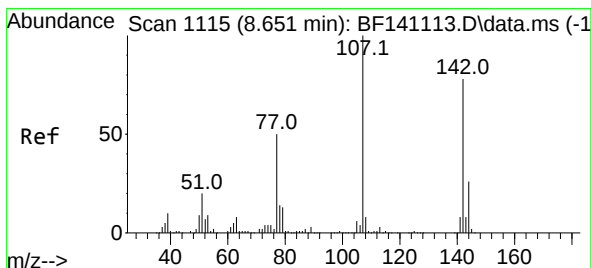
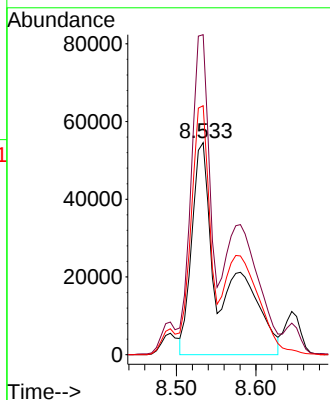
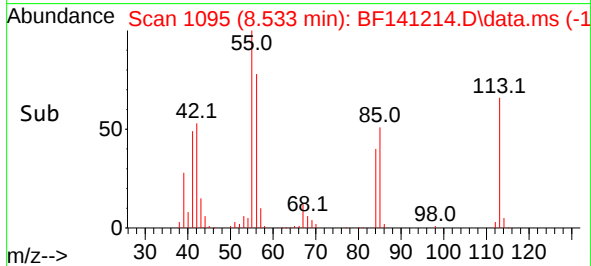
Instrument :
BNA_F
ClientSampleId :
PB166115BS



Tgt Ion:113 Resp: 149980
Ion Ratio Lower Upper
113 100
55 150.9 139.7 179.7
56 117.4 99.4 139.4

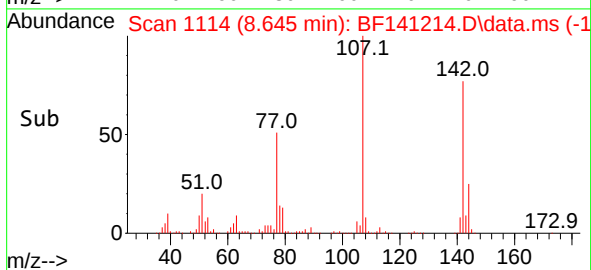
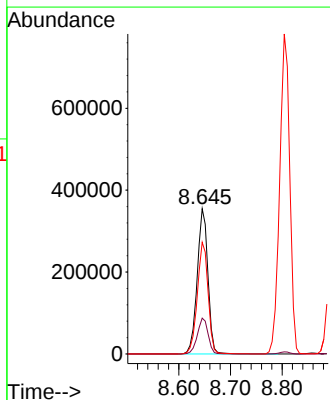
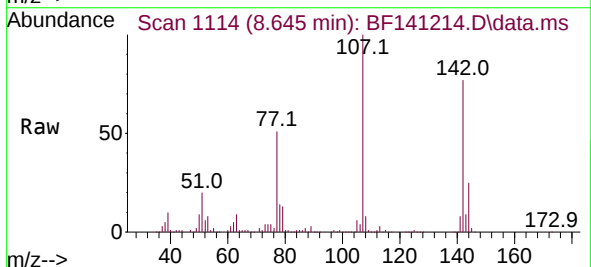
Manual Integrations
APPROVED

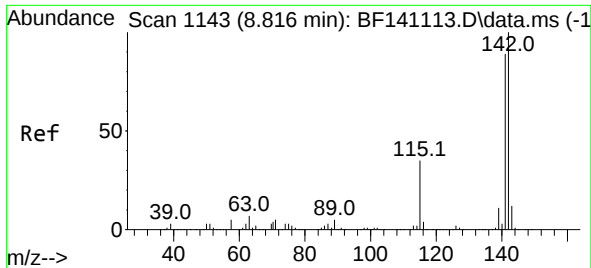
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#36
4-Chloro-3-methylphenol
Concen: 51.450 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:107 Resp: 509536
Ion Ratio Lower Upper
107 100
144 24.6 20.4 30.6
142 76.9 62.2 93.2





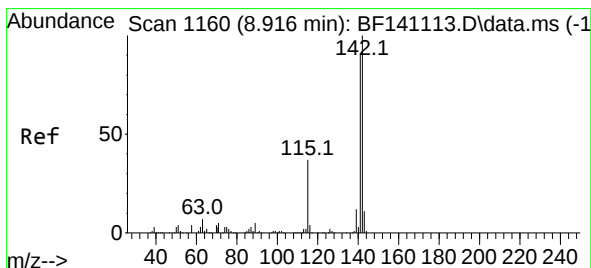
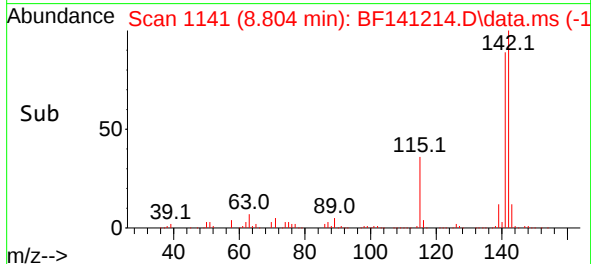
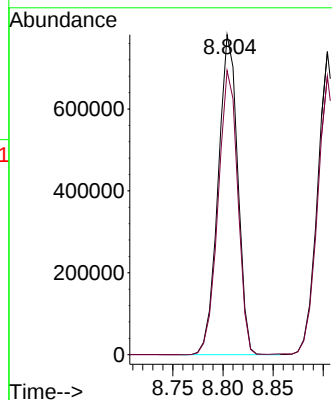
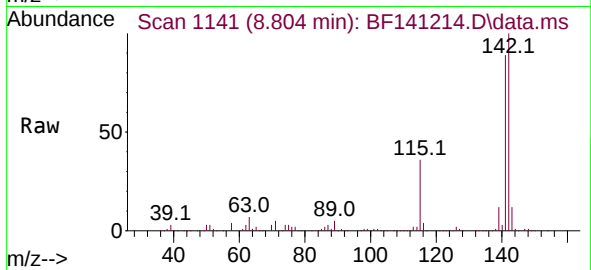
#37
2-Methylnaphthalene
Concen: 49.812 ng
RT: 8.804 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :
BNA_F
ClientSampleId :
PB166115BS

Tgt Ion:142 Resp: 1057984
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9

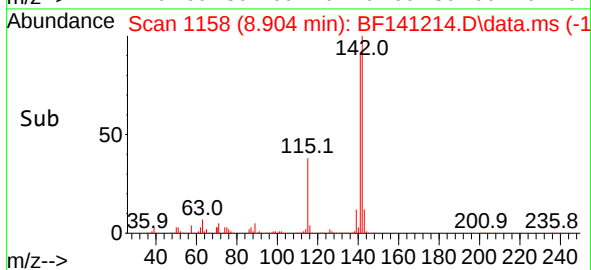
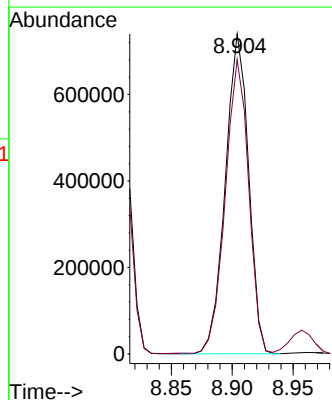
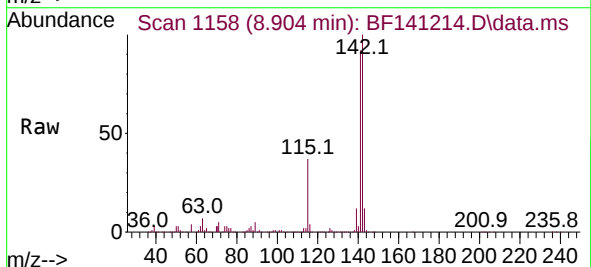
Manual Integrations
APPROVED

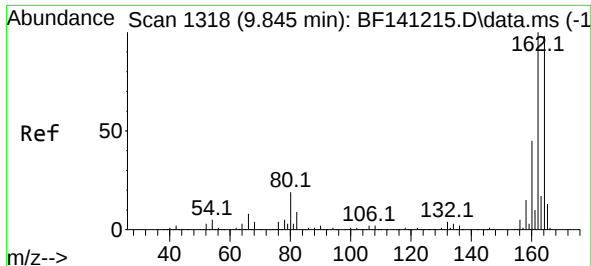
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#38
1-Methylnaphthalene
Concen: 47.028 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:142 Resp: 984404
Ion Ratio Lower Upper
142 100
141 91.9 73.1 109.7





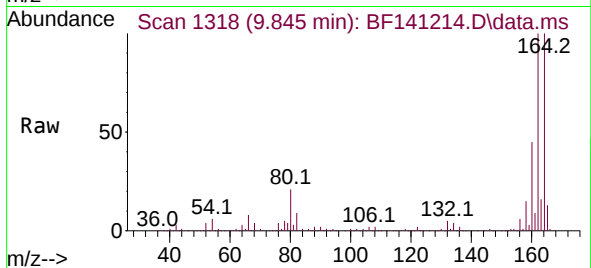
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

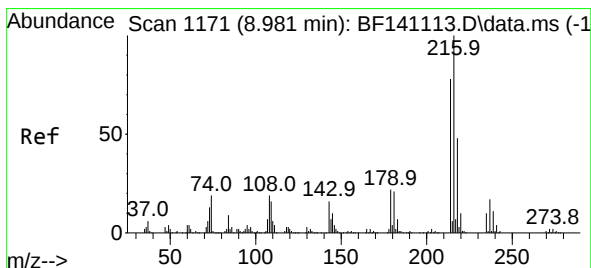
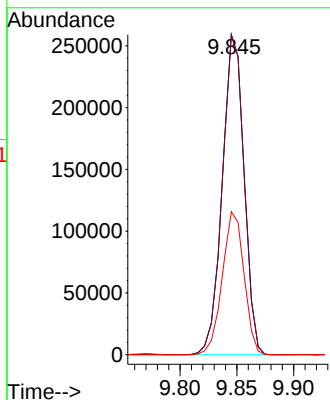
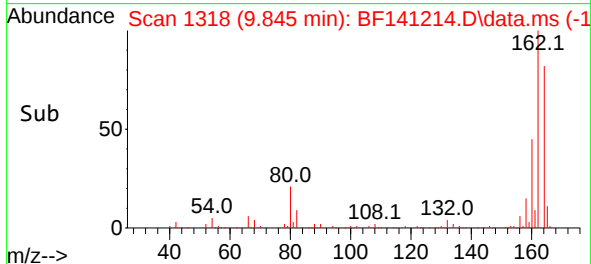
PB166115BS



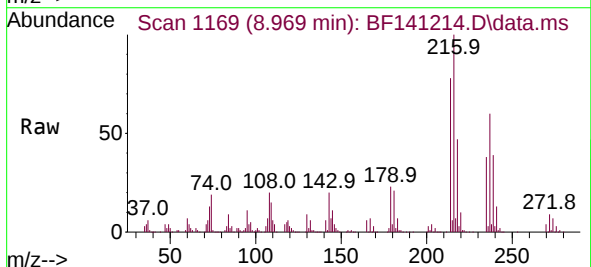
Tgt Ion:164 Resp: 344399
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 44.7 36.1 54.1

Manual Integrations
APPROVED

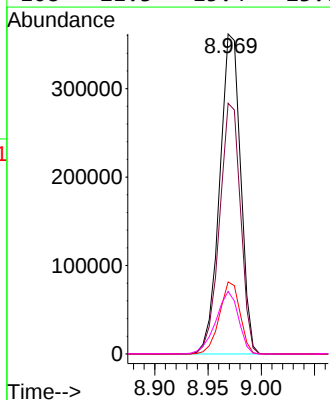
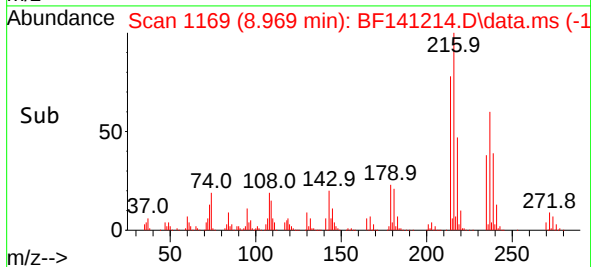
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.926 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



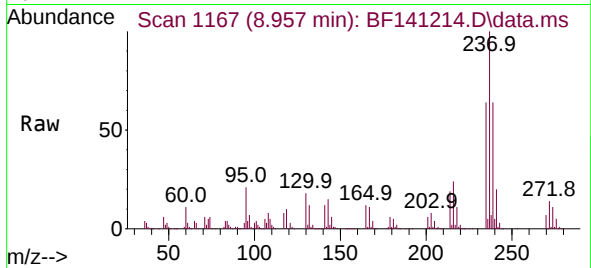
Tgt Ion:216 Resp: 493514
Ion Ratio Lower Upper
216 100
214 78.2 62.6 94.0
179 22.1 17.7 26.5
108 21.3 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 187.867 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

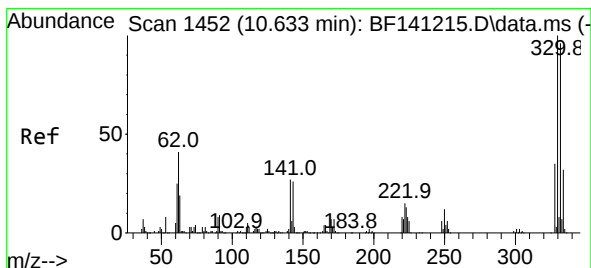
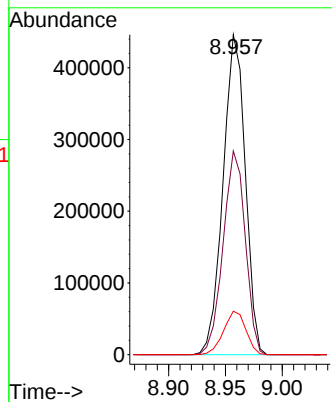
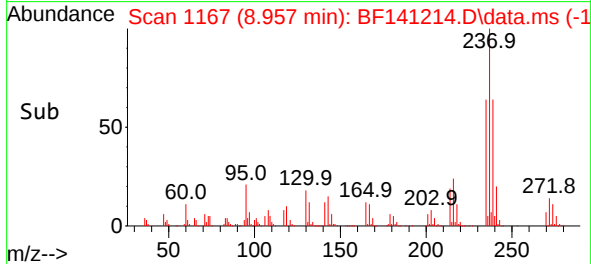
Instrument :
BNA_F
ClientSampleId :
PB166115BS



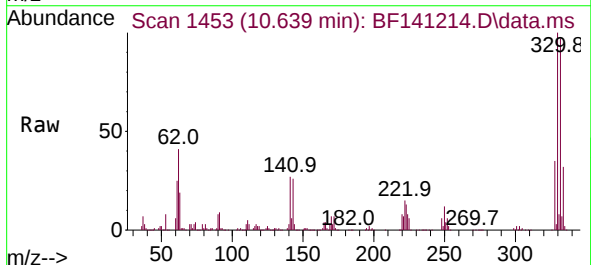
Tgt Ion: 237 Resp: 60756
Ion Ratio Lower Upper
237 100
235 63.6 43.0 83.0
272 13.6 0.0 33.0

Manual Integrations
APPROVED

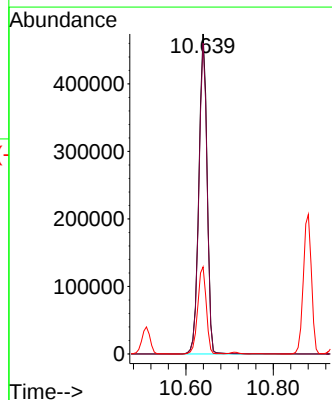
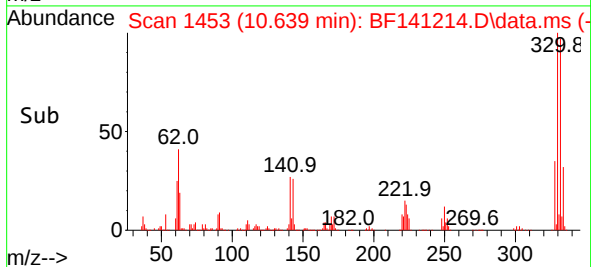
Reviewed By : Yogesh Patel 01/21/2025
Supervised By : mohammad ahmed 01/21/2025



#42
2,4,6-Tribromophenol
Concen: 158.450 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion: 330 Resp: 621790
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 28.2 25.2 37.8





#43
2,4,6-Trichlorophenol
Concen: 52.410 ng
RT: 9.081 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

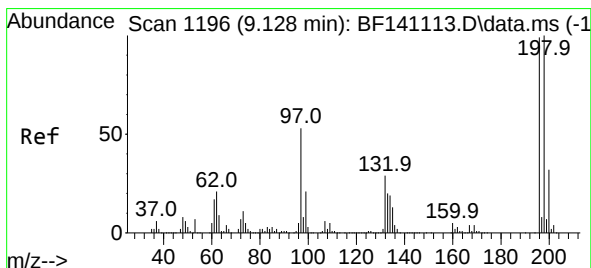
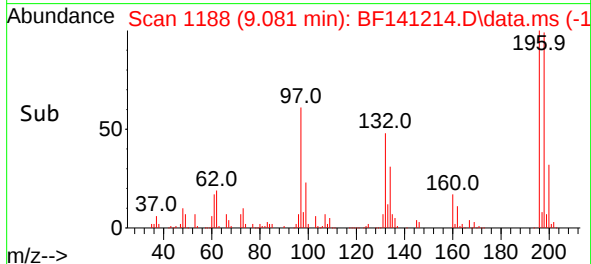
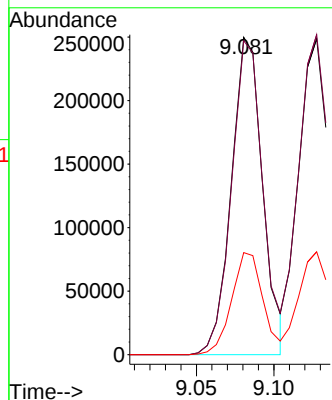
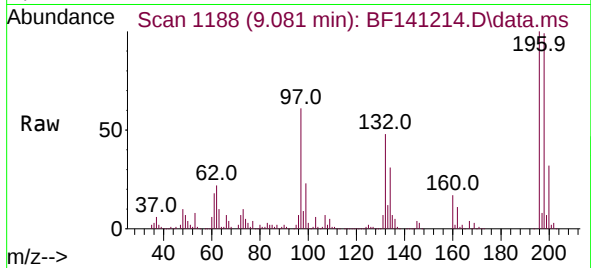
ClientSampleId :

PB166115BS

Tgt Ion:196 Resp: 34940
Ion Ratio Lower Upper
196 100
198 98.9 80.8 121.2
200 32.2 25.7 38.5

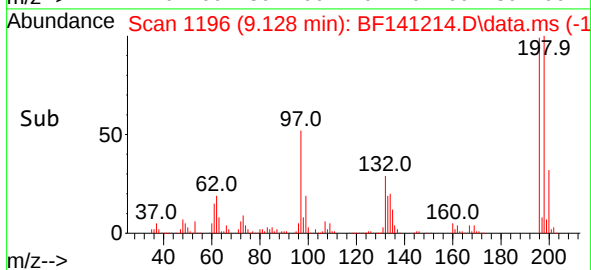
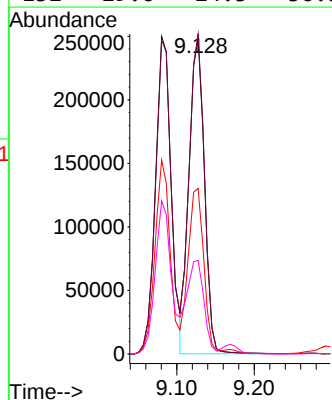
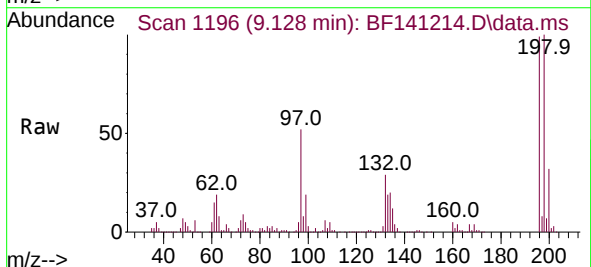
Manual Integrations
APPROVED

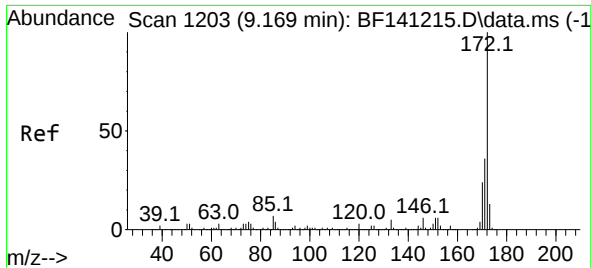
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#44
2,4,5-Trichlorophenol
Concen: 48.796 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:196 Resp: 343567
Ion Ratio Lower Upper
196 100
198 101.3 80.6 120.8
97 52.4 43.1 64.7
132 29.6 24.3 36.5





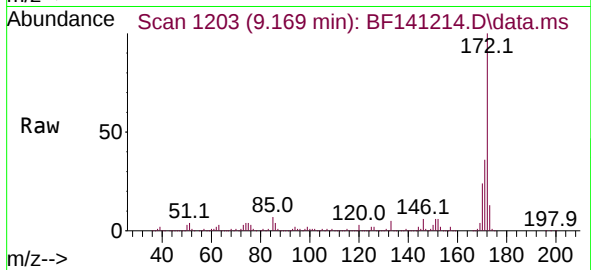
#45
2-Fluorobiphenyl
Concen: 95.778 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

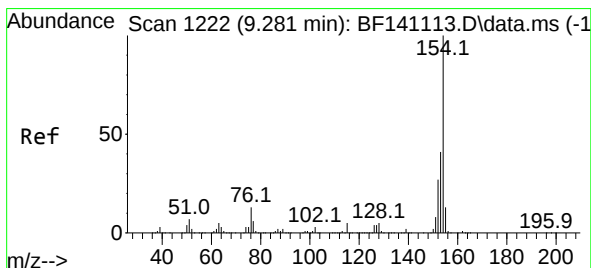
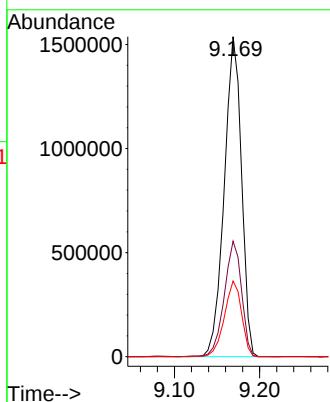
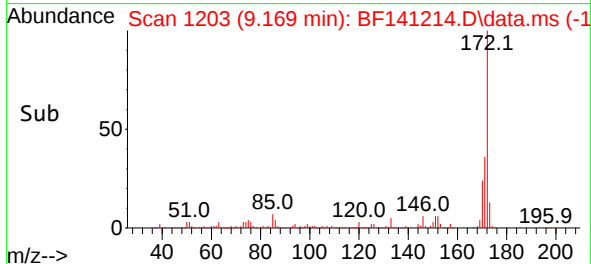


Tgt Ion:172 Resp: 216010
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 23.7 19.0 28.6

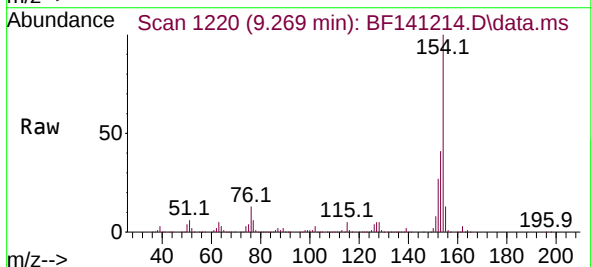
Manual Integrations

APPROVED

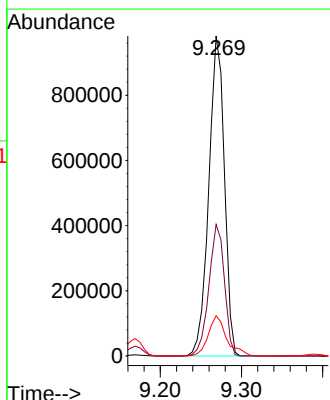
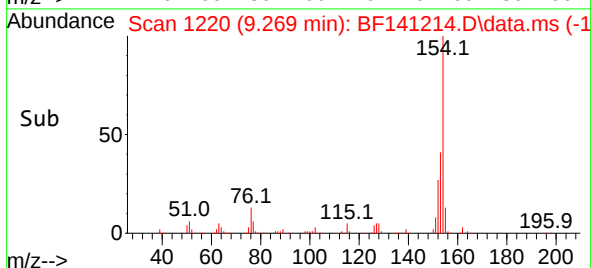
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

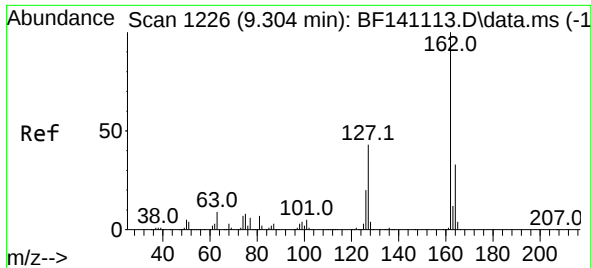


#46
1,1'-Biphenyl
Concen: 48.898 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:154 Resp: 1307832
Ion Ratio Lower Upper
154 100
153 41.1 20.7 60.7
76 12.5 0.0 33.1





#47
2-Chloronaphthalene
Concen: 47.674 ng
RT: 9.292 min Scan# 1224
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

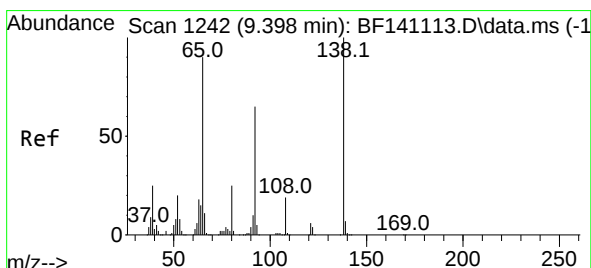
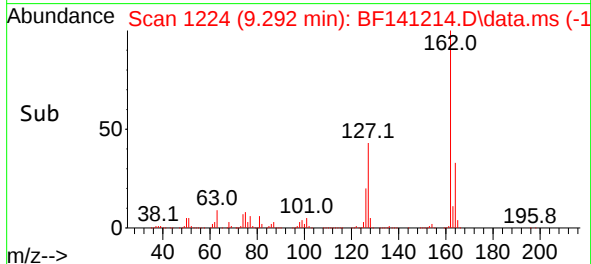
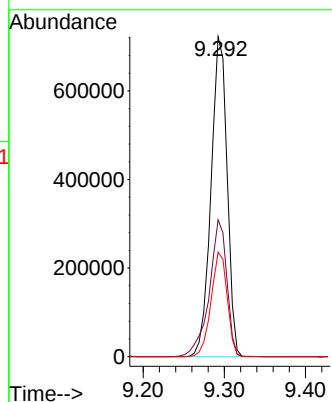
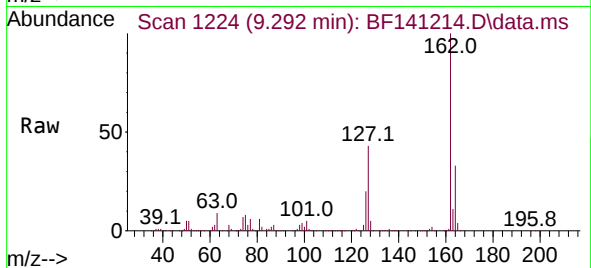
ClientSampleId :

PB166115BS

Tgt Ion:162 Resp: 99312
Ion Ratio Lower Upper
162 100
127 42.8 34.6 51.8
164 32.6 26.5 39.7

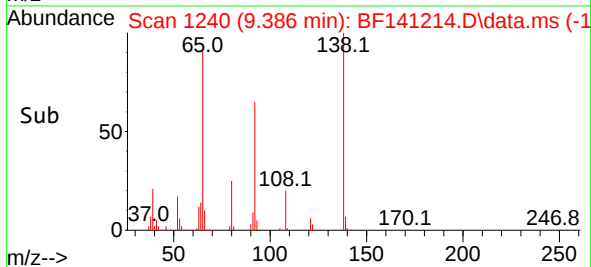
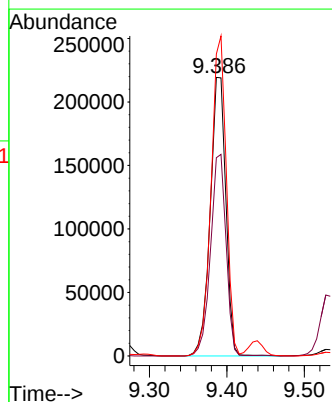
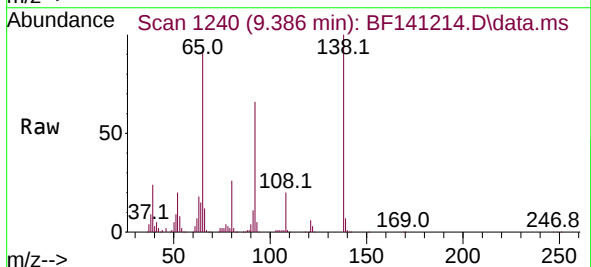
Manual Integrations
APPROVED

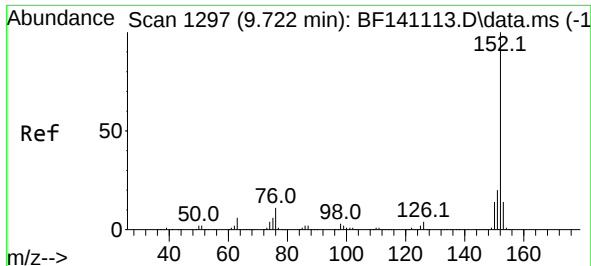
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#48
2-Nitroaniline
Concen: 49.753 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion: 65 Resp: 307234
Ion Ratio Lower Upper
65 100
92 71.2 58.3 87.5
138 108.4 89.1 133.7





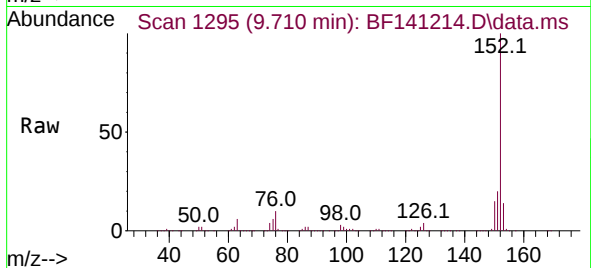
#49
Acenaphthylene
Concen: 52.284 ng
RT: 9.710 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

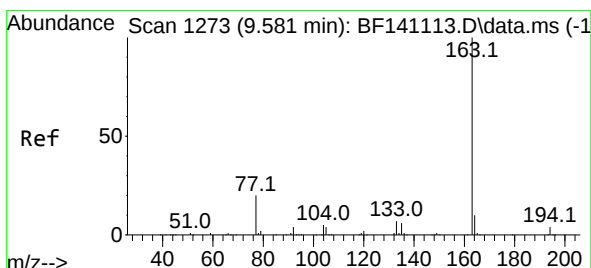
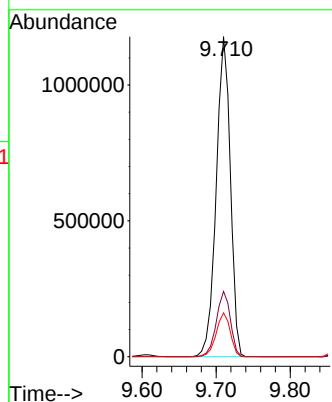
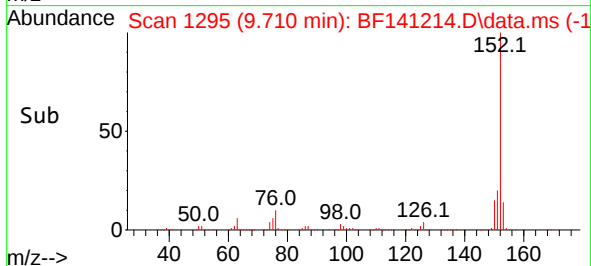


Tgt Ion:152 Resp: 155611
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1
153 13.7 11.1 16.7

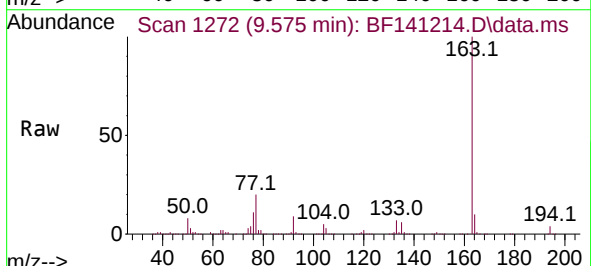
Manual Integrations

APPROVED

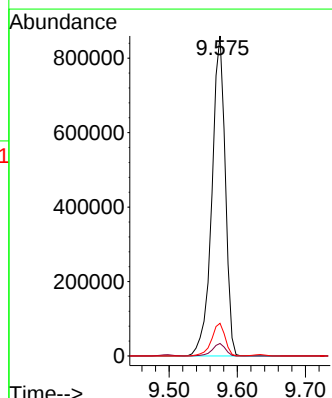
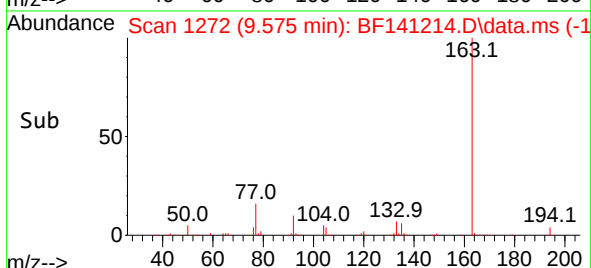
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#50
Dimethylphthalate
Concen: 50.827 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:163 Resp: 1175159
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.2 8.2 12.4





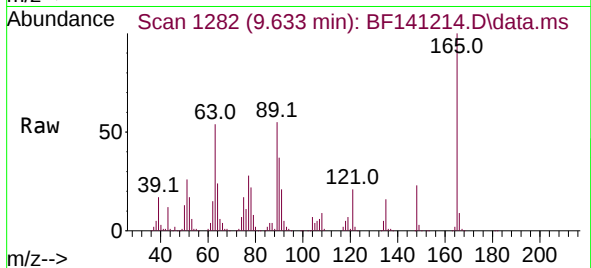
#51
2,6-Dinitrotoluene
Concen: 48.807 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

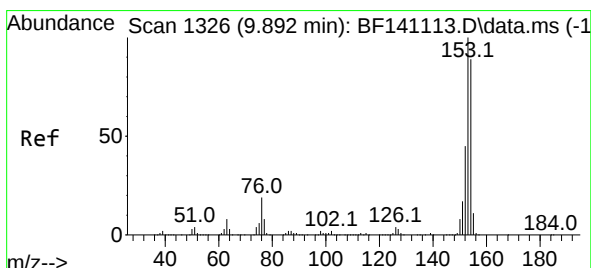
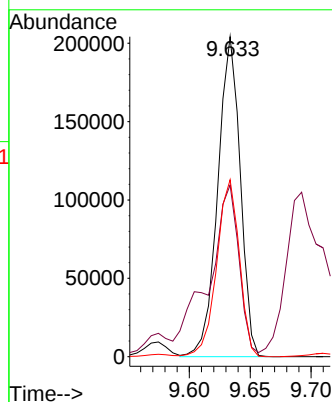
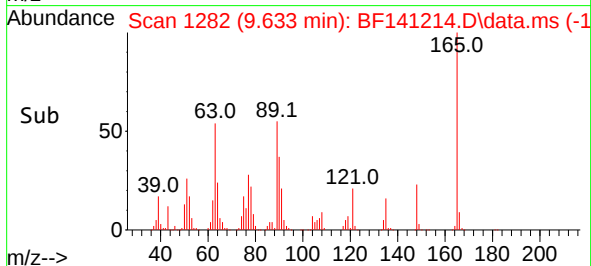


Tgt Ion:165 Resp: 262419
Ion Ratio Lower Upper
165 100
63 53.7 42.3 63.5
89 55.3 43.1 64.7

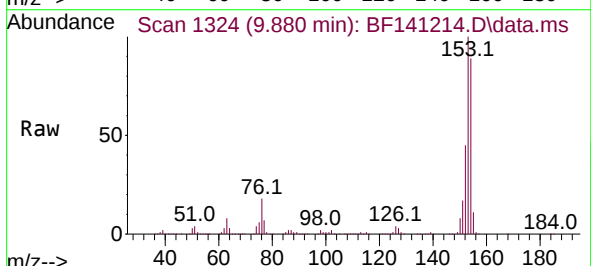
Manual Integrations

APPROVED

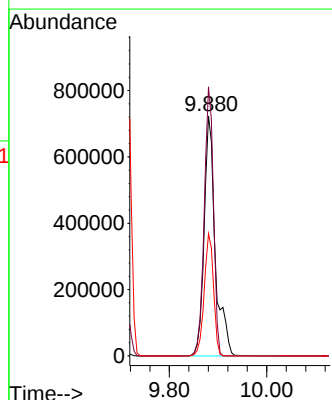
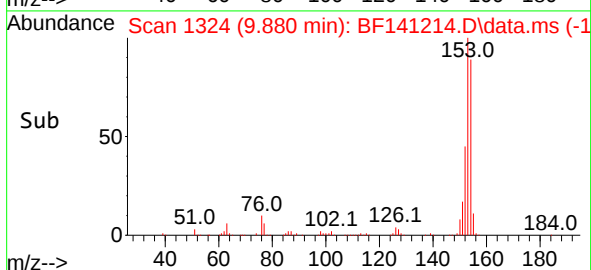
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#52
Acenaphthene
Concen: 55.615 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:154 Resp: 1156442
Ion Ratio Lower Upper
154 100
153 112.1 89.8 134.6
152 50.9 40.8 61.2





#53
3-Nitroaniline
Concen: 30.765 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

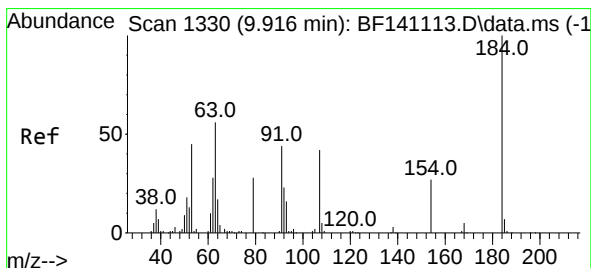
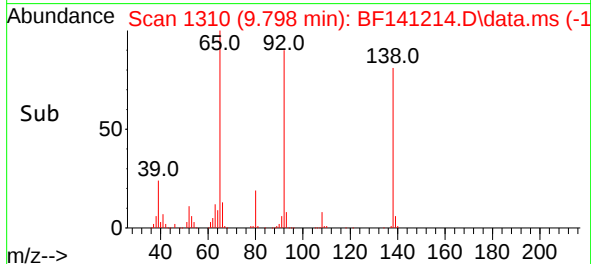
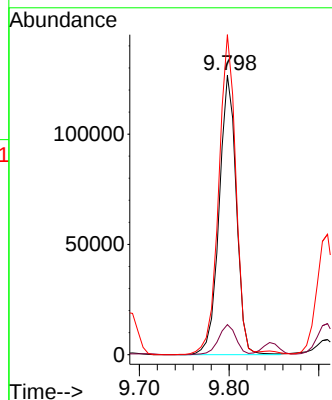
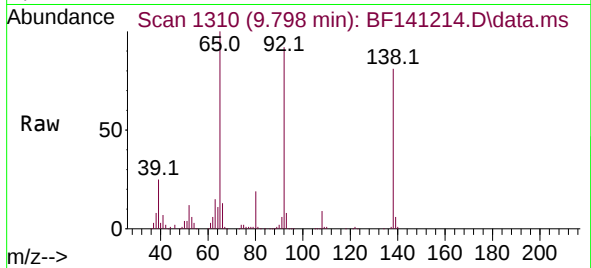
ClientSampleId :

PB166115BS

Tgt Ion:138 Resp: 16809
Ion Ratio Lower Upper
138 100
108 10.8 8.8 13.2
92 114.5 91.3 136.9

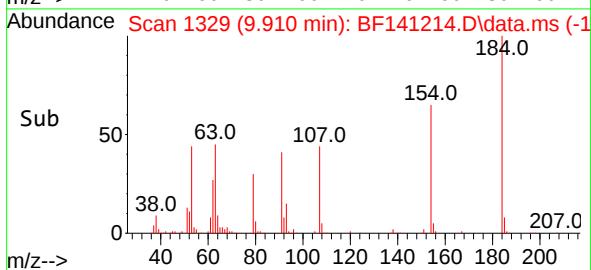
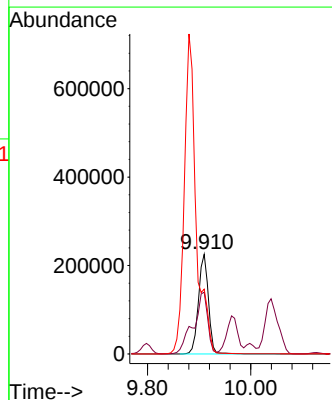
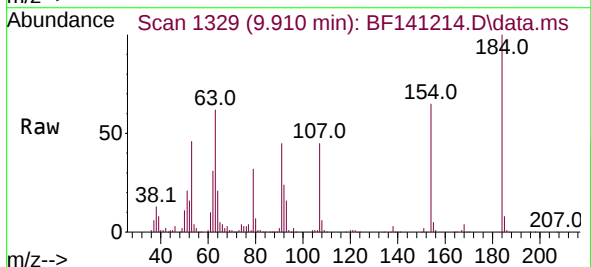
Manual Integrations
APPROVED

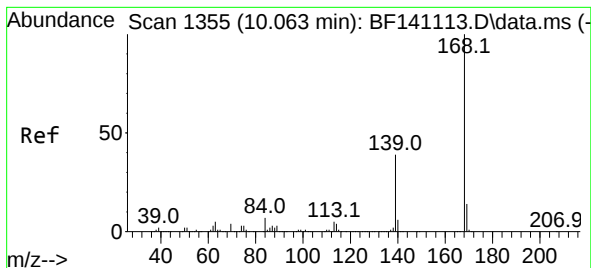
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#54
2,4-Dinitrophenol
Concen: 118.351 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

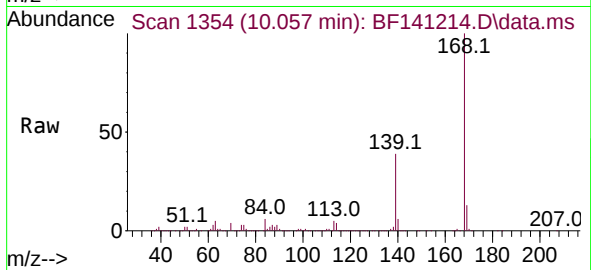
Tgt Ion:184 Resp: 302461
Ion Ratio Lower Upper
184 100
63 62.0 48.7 73.1
154 65.0 57.1 85.7





#55
Dibenzenofuran
Concen: 49.904 ng
RT: 10.057 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

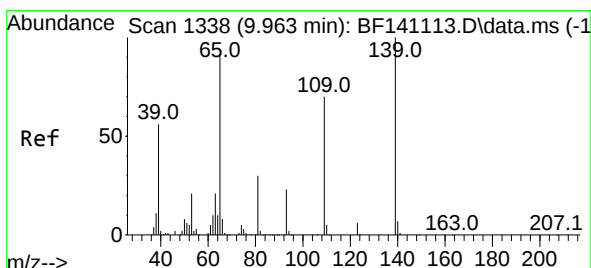
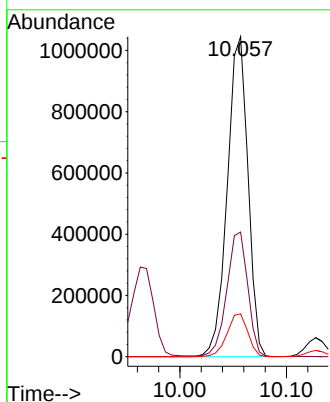
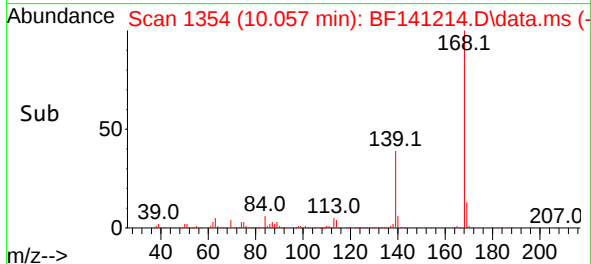
Instrument :
BNA_F
ClientSampleId :
PB166115BS



Tgt Ion:168 Resp: 1411440
Ion Ratio Lower Upper
168 100
139 39.0 31.4 47.0
169 13.4 10.9 16.3

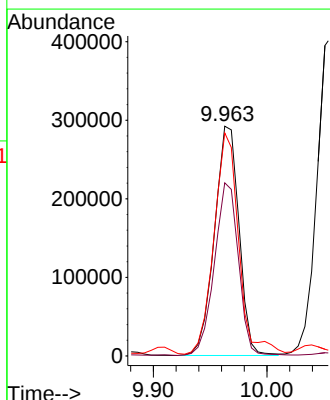
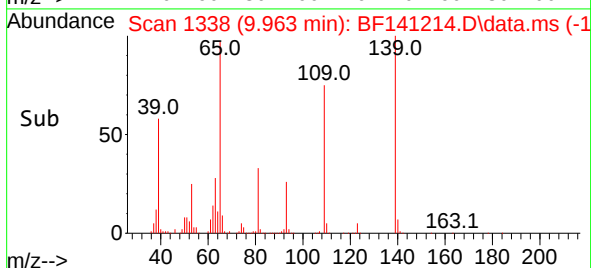
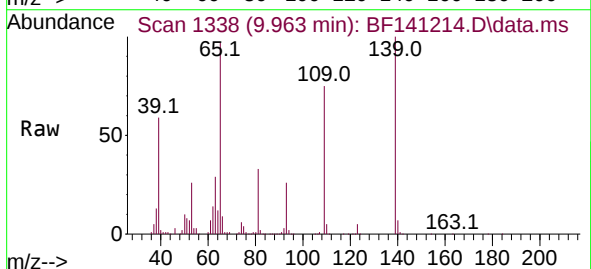
Manual Integrations
APPROVED

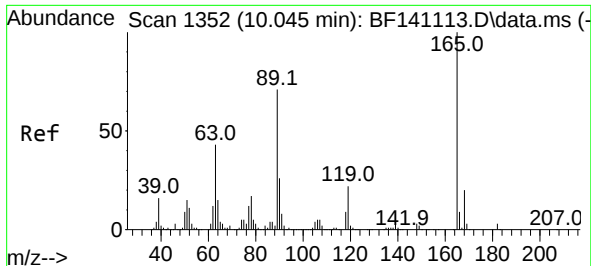
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#56
4-Nitrophenol
Concen: 102.422 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:139 Resp: 438271
Ion Ratio Lower Upper
139 100
109 75.4 50.2 90.2
65 97.1 72.1 112.1





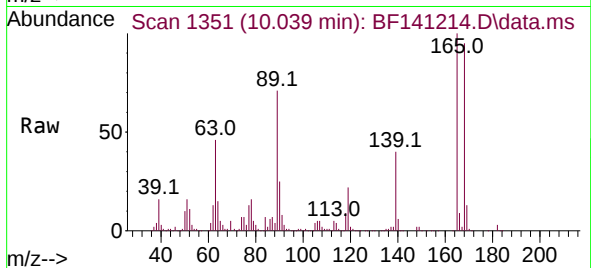
#57
2,4-Dinitrotoluene
Concen: 52.030 ng
RT: 10.039 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

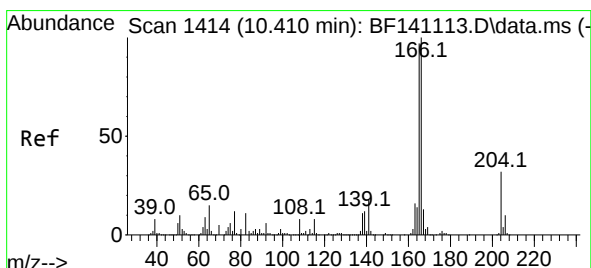
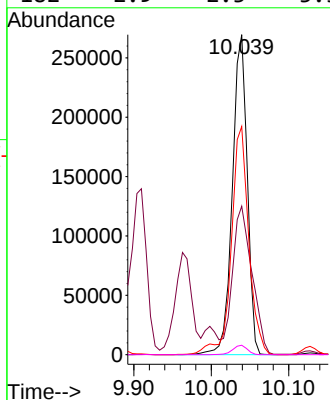
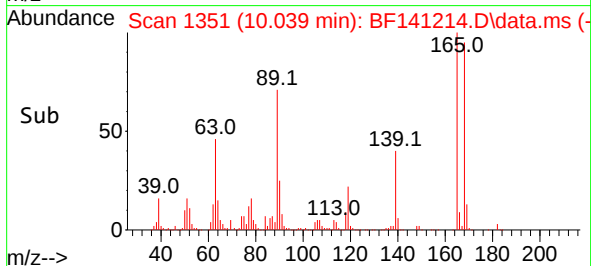


Tgt Ion:165 Resp: 36052
Ion Ratio Lower Upper
165 100
63 46.4 35.0 52.4
89 71.3 56.7 85.1
182 2.9 2.3 3.5

Manual Integrations

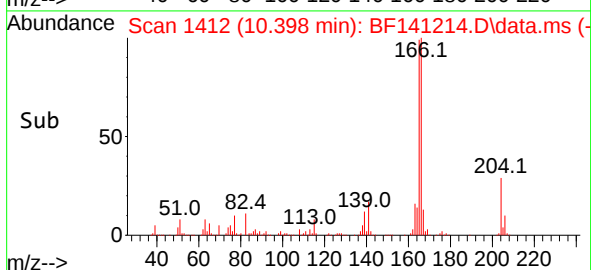
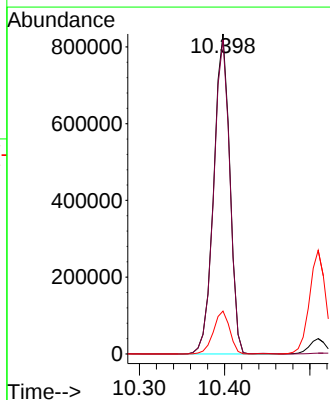
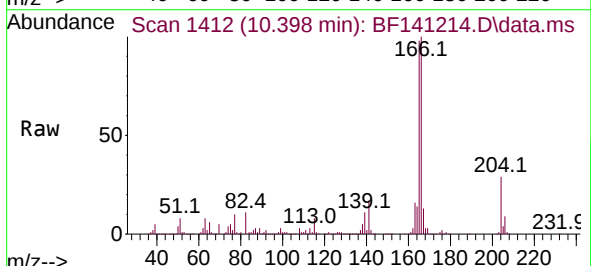
APPROVED

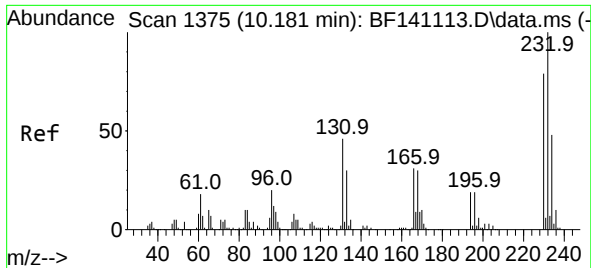
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#58
Fluorene
Concen: 49.608 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

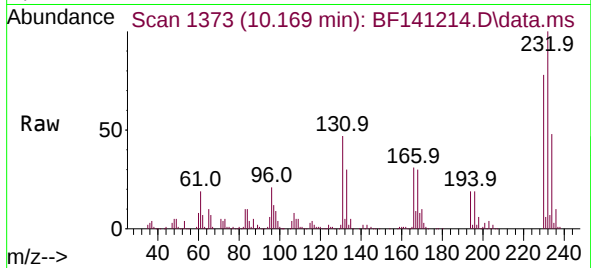
Tgt Ion:166 Resp: 1090049
Ion Ratio Lower Upper
166 100
165 98.1 77.8 116.8
167 13.4 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.078 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

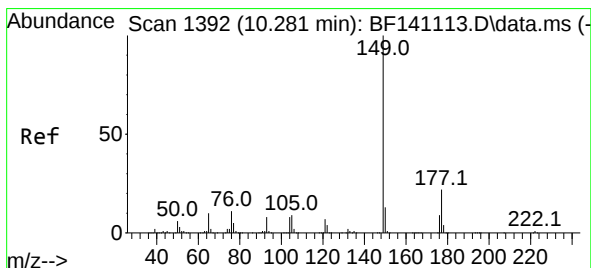
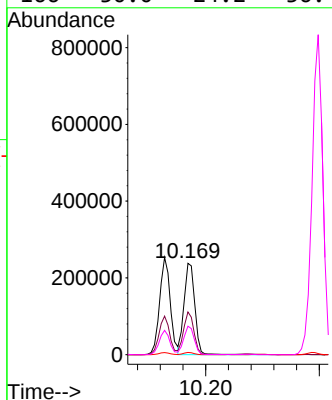
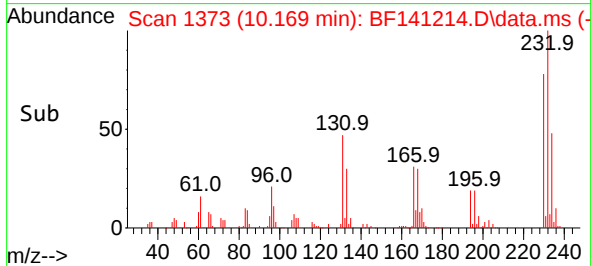
Instrument :
BNA_F
ClientSampleId :
PB166115BS



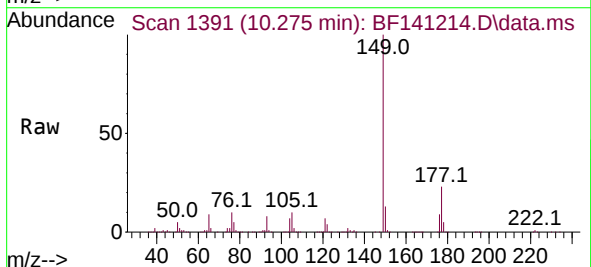
Tgt Ion:232 Resp: 31064
Ion Ratio Lower Upper
232 100
131 44.6 36.2 54.4
130 2.3 2.0 3.0
166 30.0 24.2 36.4

Manual Integrations
APPROVED

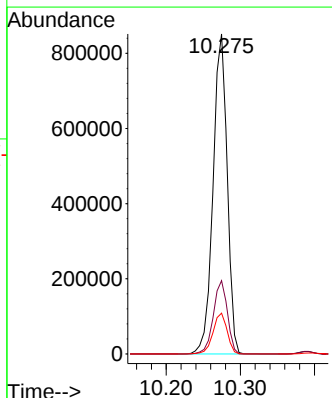
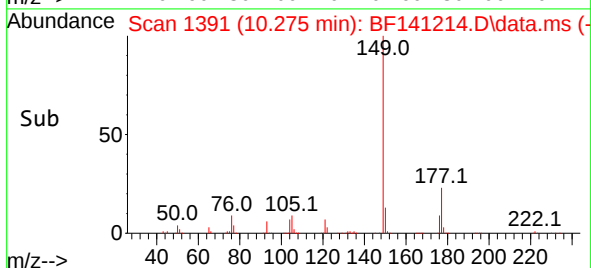
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

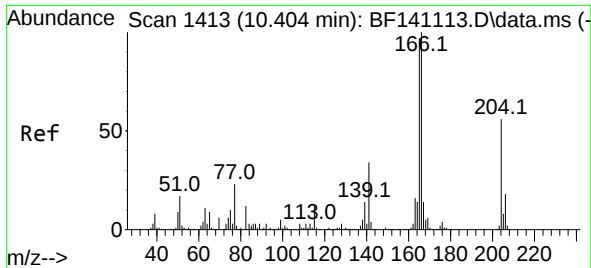


#60
Diethylphthalate
Concen: 49.825 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:149 Resp: 1124632
Ion Ratio Lower Upper
149 100
177 22.9 17.9 26.9
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.720 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

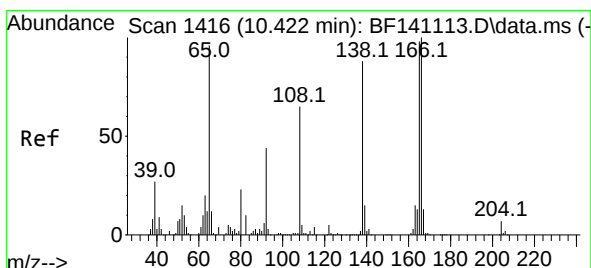
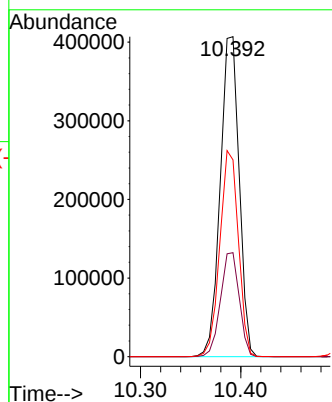
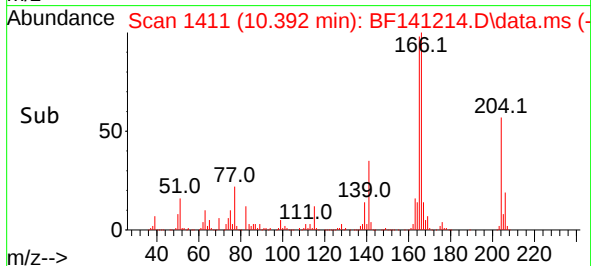
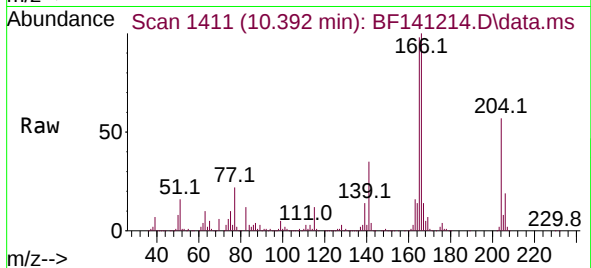
PB166115BS

Tgt Ion:204 Resp: 532472
Ion Ratio Lower Upper
204 100
206 32.5 25.9 38.9
141 61.5 49.1 73.7

Manual Integrations

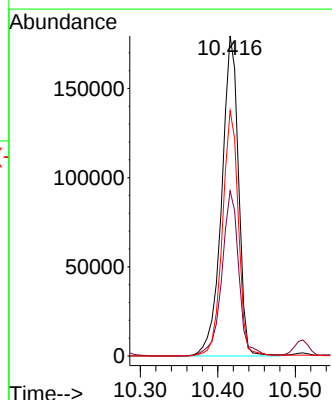
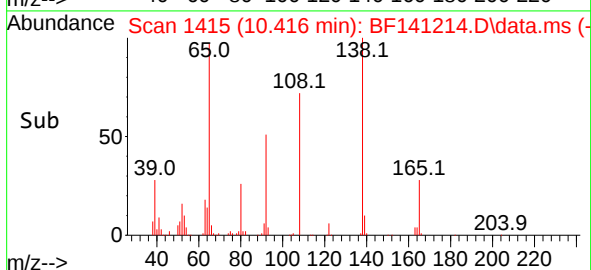
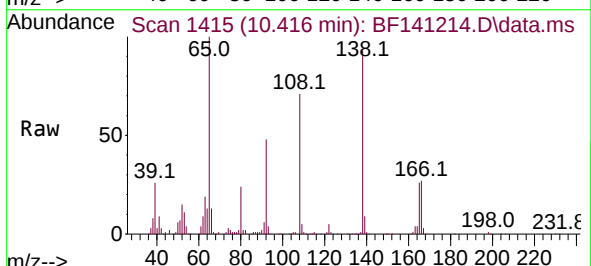
APPROVED

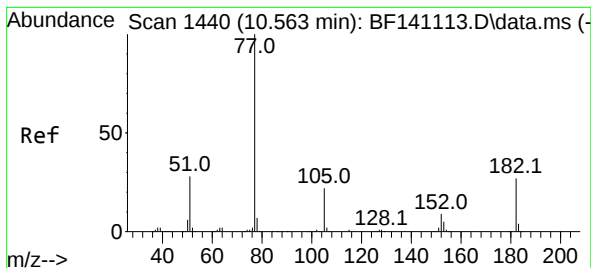
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#62
4-Nitroaniline
Concen: 50.592 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:138 Resp: 270549
Ion Ratio Lower Upper
138 100
92 51.6 29.4 69.4
108 76.7 53.7 93.7





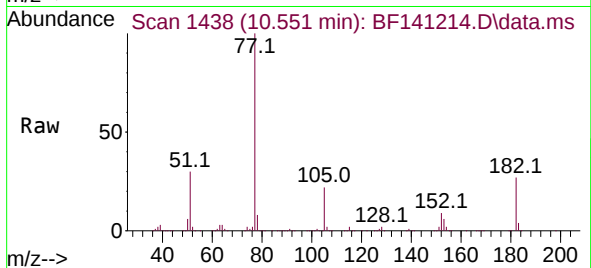
#63
Azobenzene
Concen: 49.464 ng
RT: 10.551 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

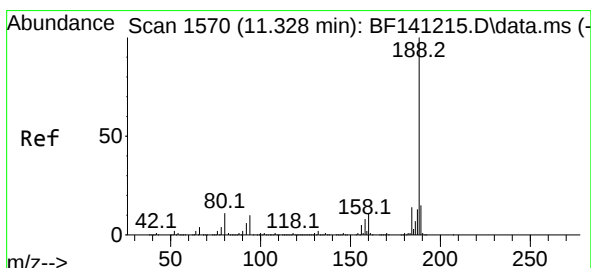
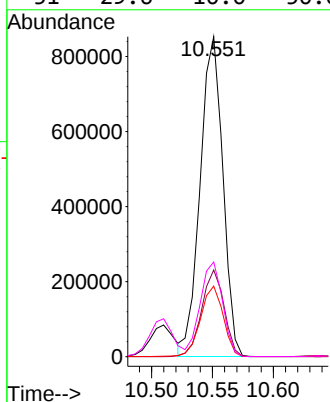
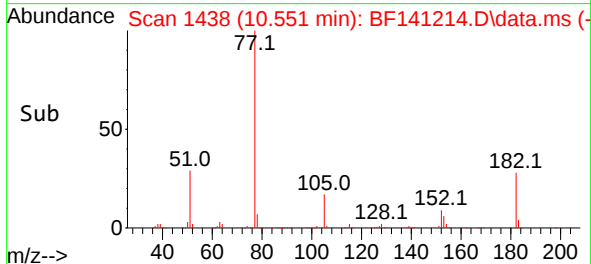


Tgt Ion: 77 Resp: 110167
Ion Ratio Lower Upper
77 100
182 27.1 6.1 46.1
105 22.0 2.1 42.1
51 29.6 10.0 50.0

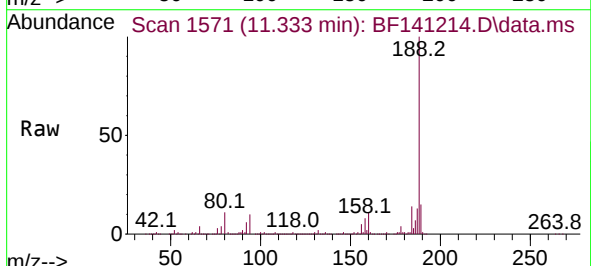
Manual Integrations

APPROVED

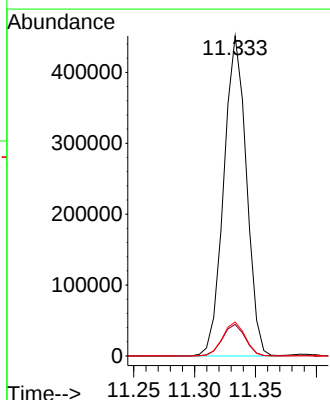
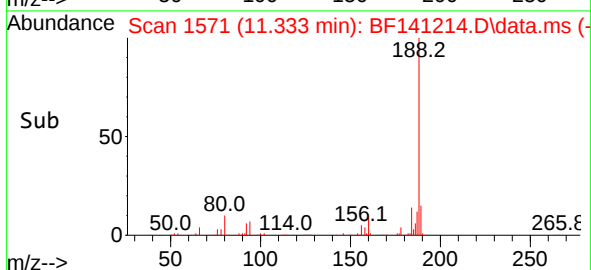
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

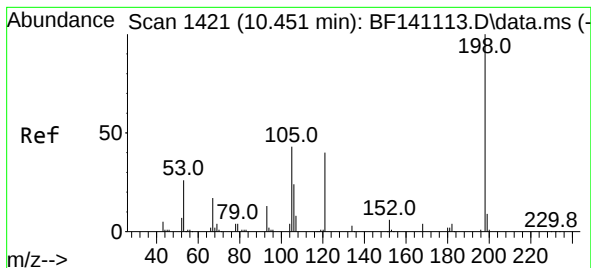


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



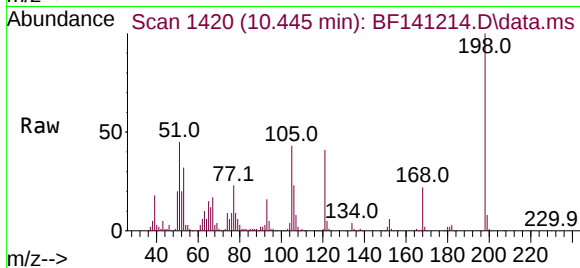
Tgt Ion:188 Resp: 583291
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.6 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 61.313 ng
RT: 10.445 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

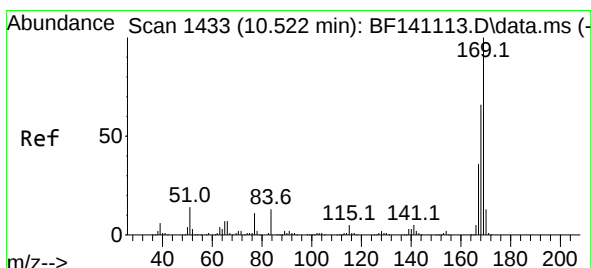
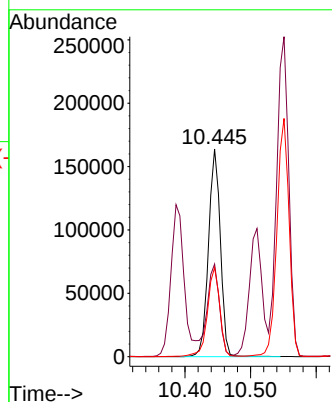
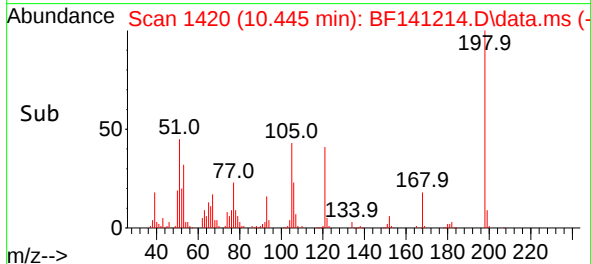
Instrument :
BNA_F
ClientSampleId :
PB166115BS



Tgt Ion:198 Resp: 207231
Ion Ratio Lower Upper
198 100
51 44.6 27.1 67.1
105 42.9 24.2 64.2

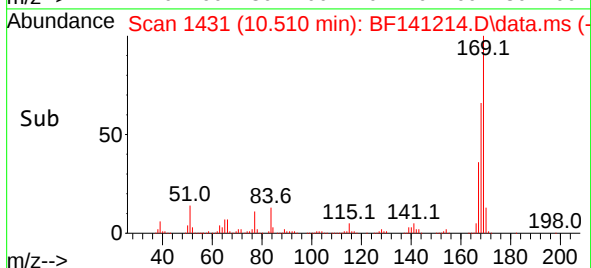
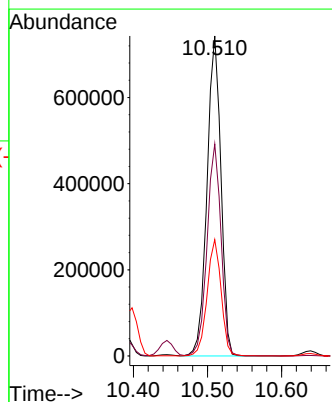
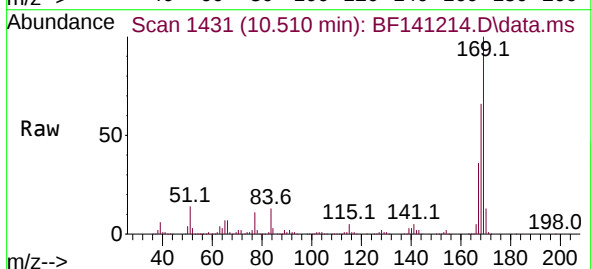
Manual Integrations
APPROVED

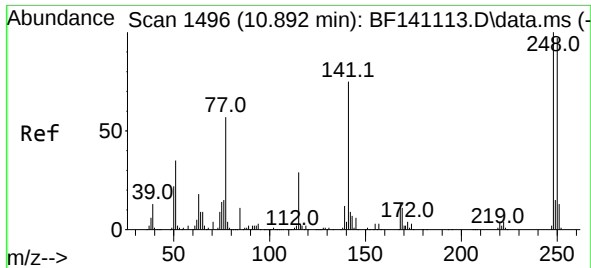
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#66
n-Nitrosodiphenylamine
Concen: 51.303 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

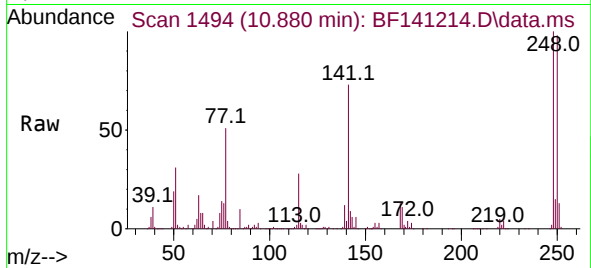
Tgt Ion:169 Resp: 965203
Ion Ratio Lower Upper
169 100
168 66.2 52.5 78.7
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 52.377 ng
RT: 10.880 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

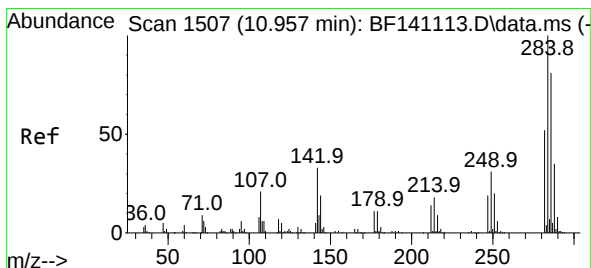
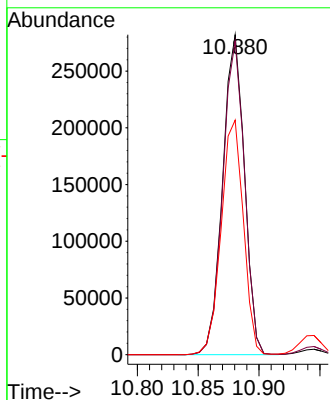
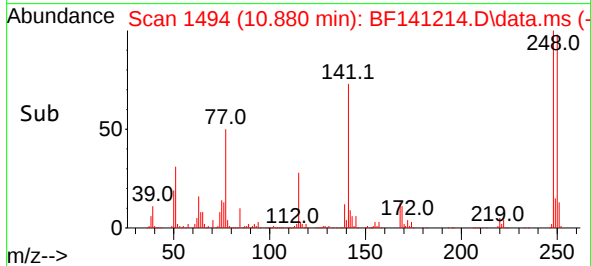
Instrument :
BNA_F
ClientSampleId :
PB166115BS



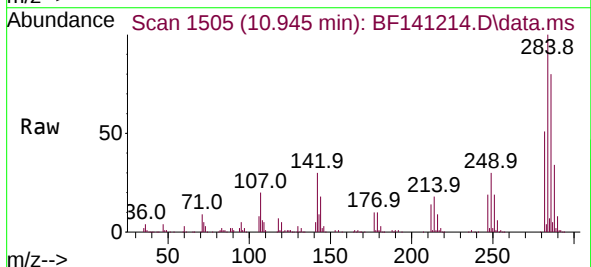
Tgt Ion:248 Resp: 351730
Ion Ratio Lower Upper
248 100
250 98.0 77.9 116.9
141 73.3 59.9 89.9

Manual Integrations
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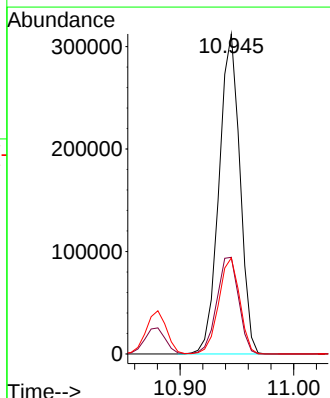
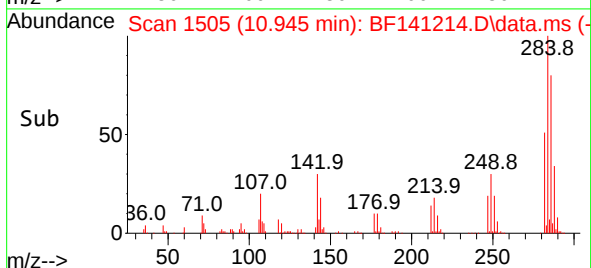
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

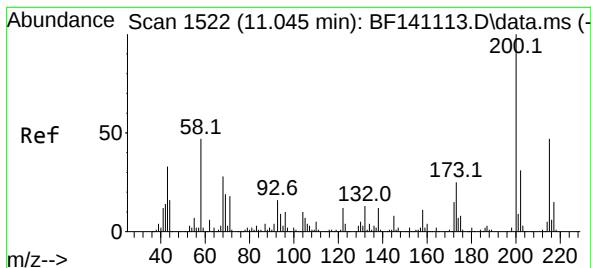


#68
Hexachlorobenzene
Concen: 53.261 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:284 Resp: 398155
Ion Ratio Lower Upper
284 100
142 30.2 26.3 39.5
249 30.0 24.9 37.3





#69

Atrazine

Concen: 66.520 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

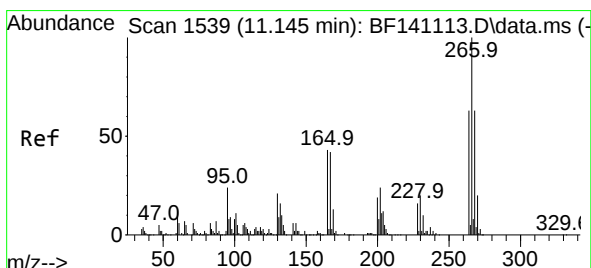
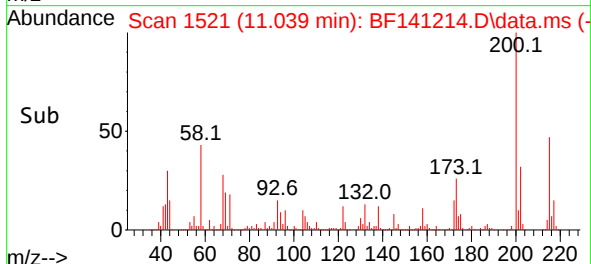
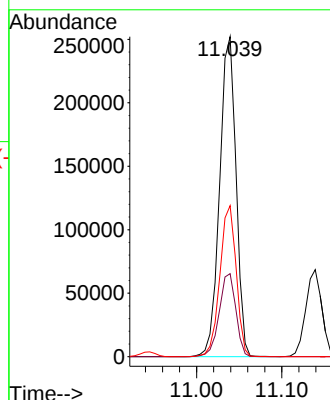
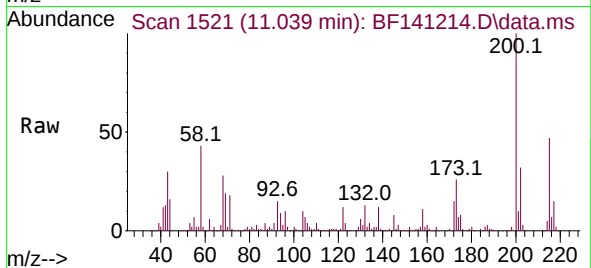
PB166115BS

Tgt Ion:200 Resp: 336972
 Ion Ratio Lower Upper
 200 100
 173 26.0 5.4 45.4
 215 47.2 26.6 66.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025



#70

Pentachlorophenol

Concen: 103.886 ng

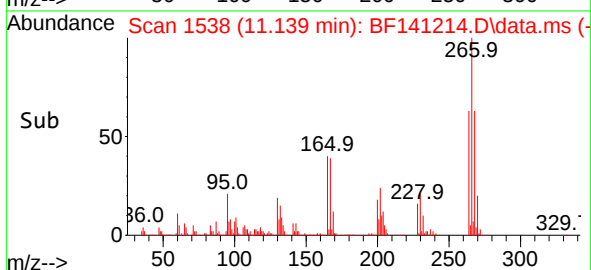
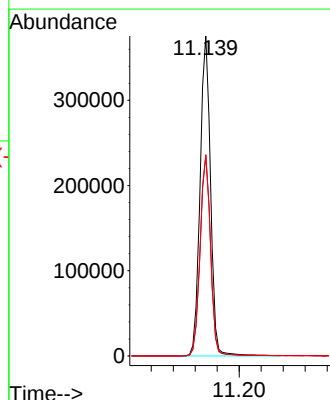
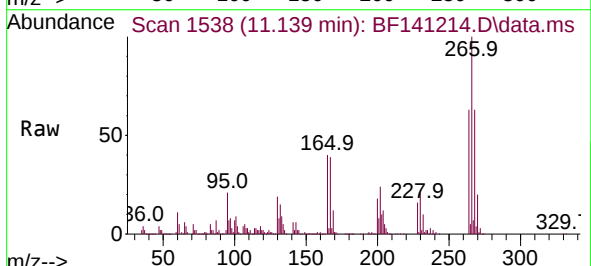
RT: 11.139 min Scan# 1538

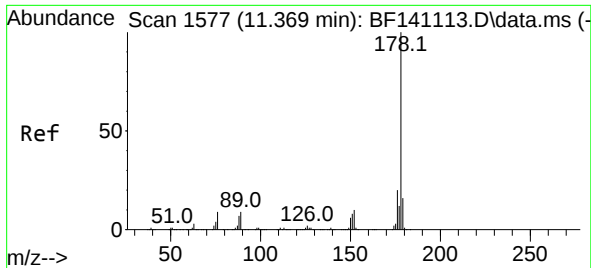
Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Tgt Ion:266 Resp: 497336
 Ion Ratio Lower Upper
 266 100
 268 62.7 50.4 75.6
 264 62.9 50.2 75.2





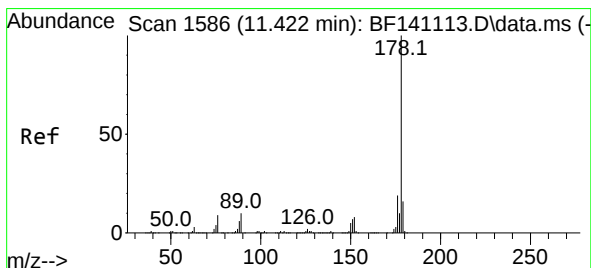
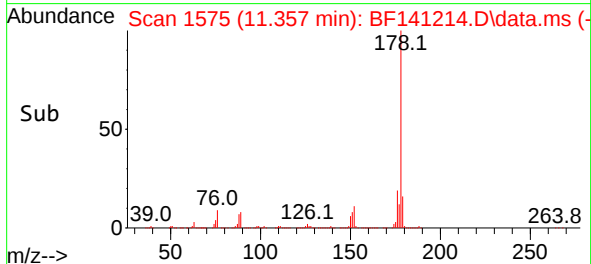
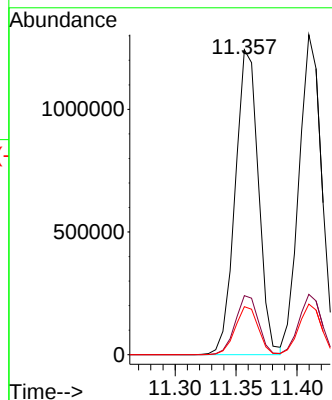
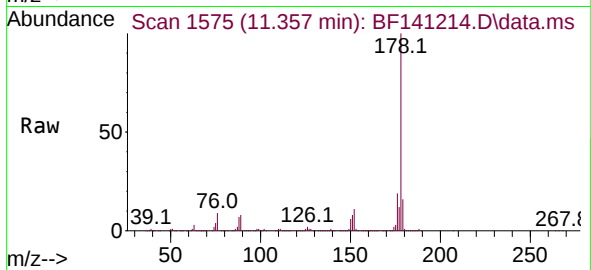
#71
Phenanthrene
Concen: 52.646 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :
BNA_F
ClientSampleId :
PB166115BS

Tgt Ion:178 Resp: 164861
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.7 12.6 19.0

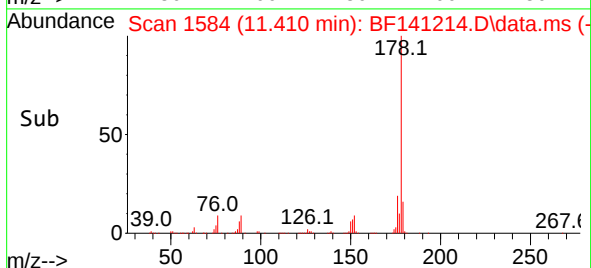
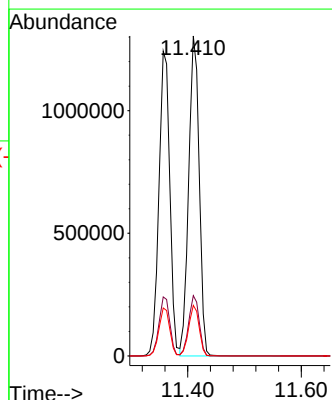
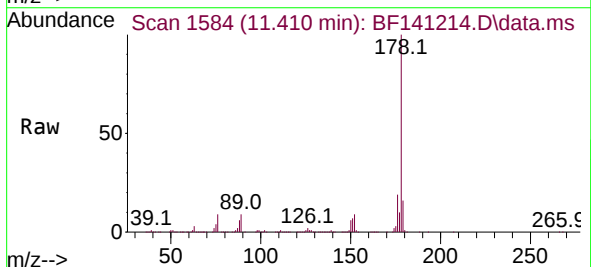
Manual Integrations
APPROVED

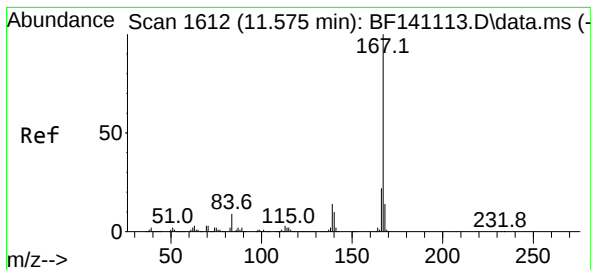
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#72
Anthracene
Concen: 55.028 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

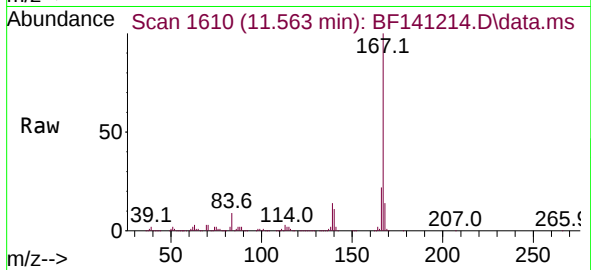
Tgt Ion:178 Resp: 1675540
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.8 12.6 19.0





#73
 Carbazole
 Concen: 52.547 ng
 RT: 11.563 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF141214.D
 Acq: 20 Jan 2025 11:30

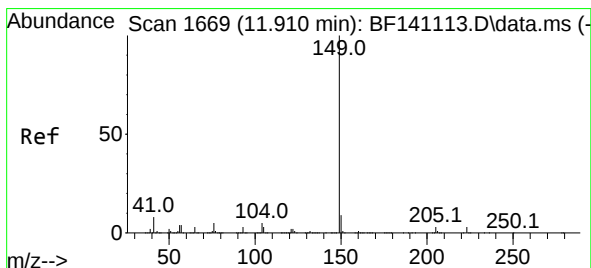
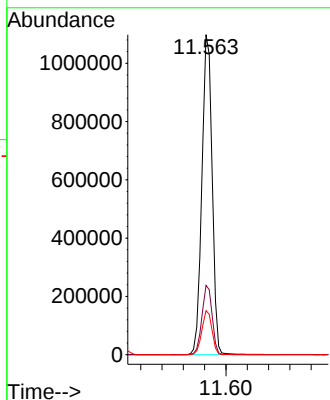
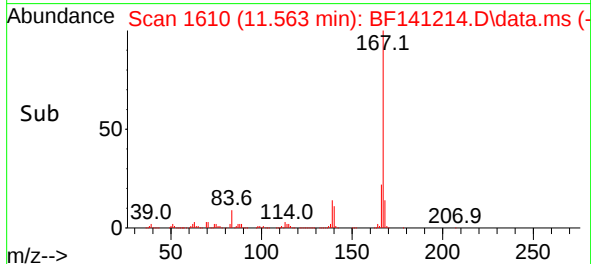
Instrument :
 BNA_F
 ClientSampleId :
 PB166115BS



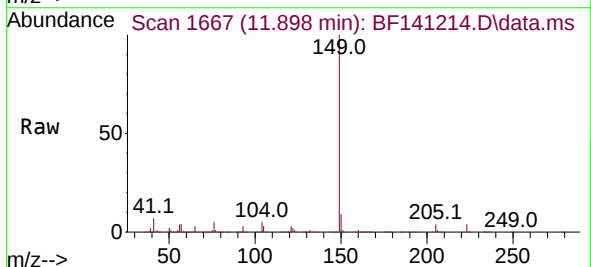
Tgt Ion:167 Resp: 1467093
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 13.7 10.9 16.3

Manual Integrations
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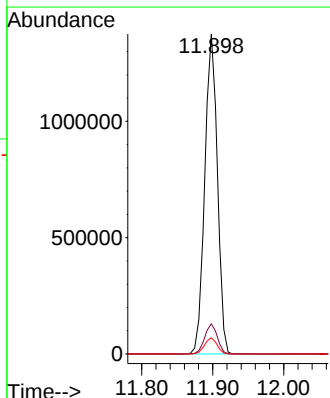
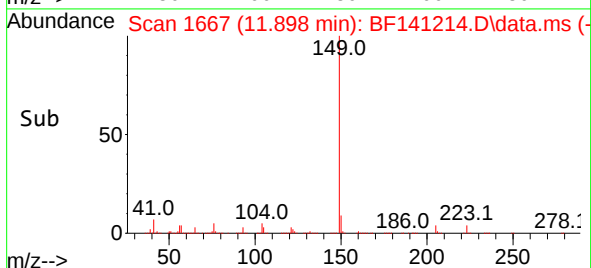
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

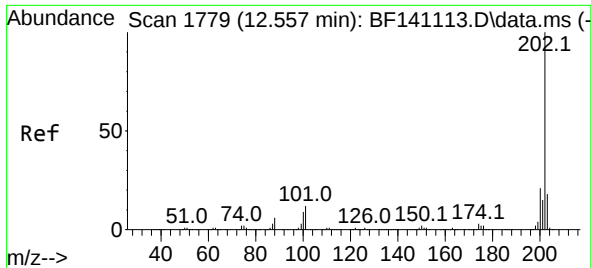


#74
 Di-n-butylphthalate
 Concen: 53.209 ng
 RT: 11.898 min Scan# 1667
 Delta R.T. -0.012 min
 Lab File: BF141214.D
 Acq: 20 Jan 2025 11:30



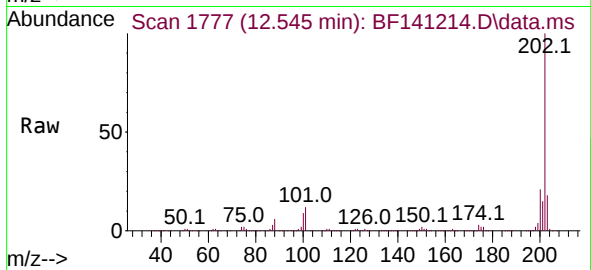
Tgt Ion:149 Resp: 1700136
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 5.0 4.2 6.2





#75
Fluoranthene
Concen: 54.606 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

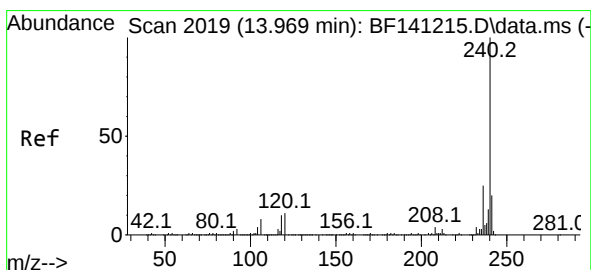
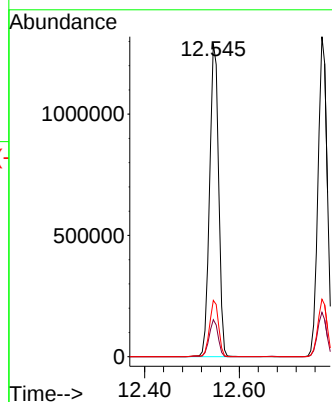
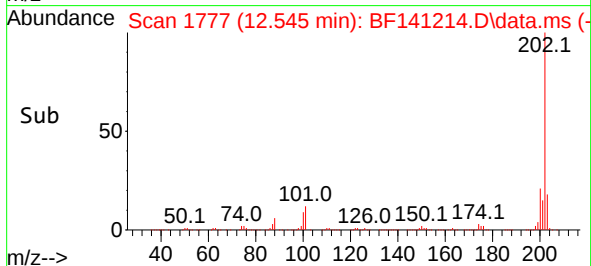
Instrument :
BNA_F
ClientSampleId :
PB166115BS



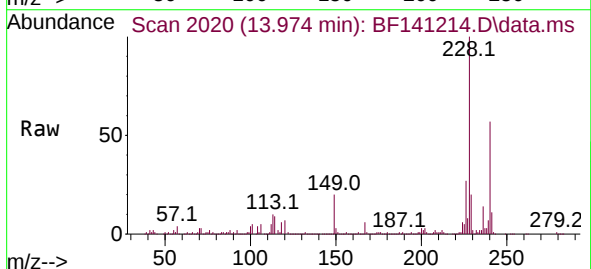
Tgt Ion:202 Resp: 170641
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.3
203 18.0 0.0 37.7

Manual Integrations
APPROVED

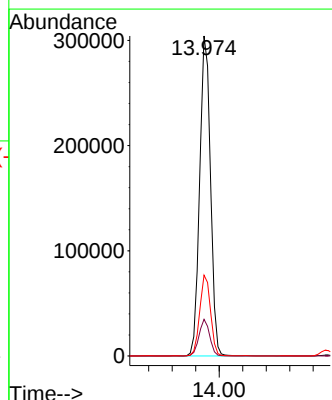
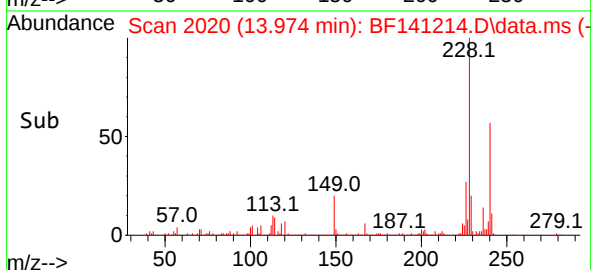
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

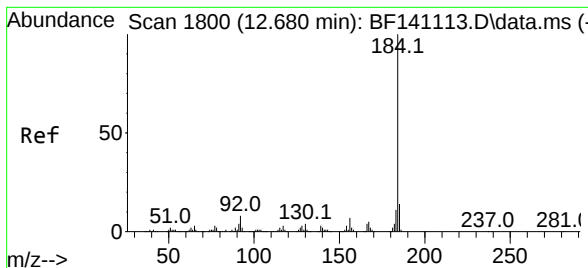


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:240 Resp: 387847
Ion Ratio Lower Upper
240 100
120 11.4 9.1 13.7
236 25.2 19.8 29.6





#77

Benzidine

Concen: 43.171 ng

RT: 12.669 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

Tgt Ion:184 Resp: 31050

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

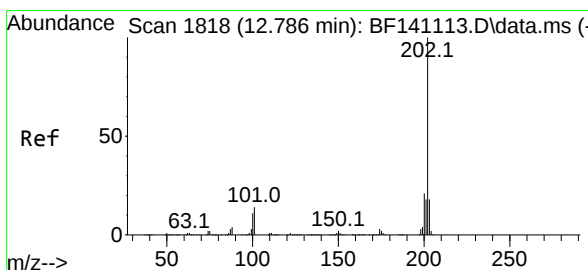
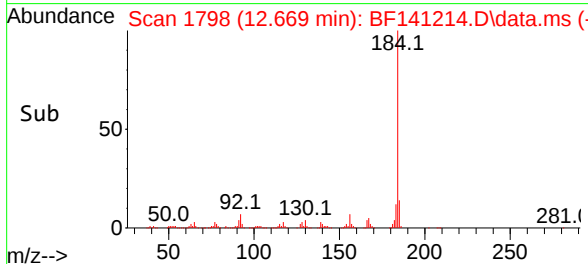
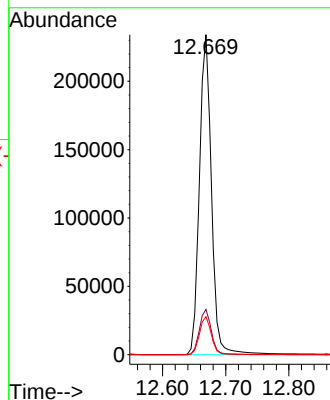
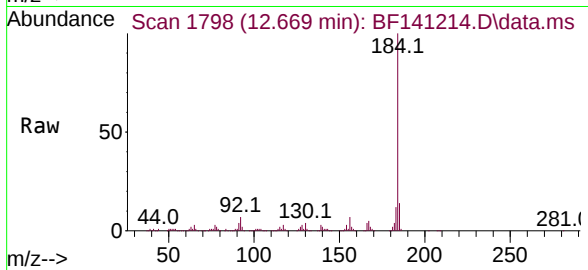
183 11.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#78

Pyrene

Concen: 47.329 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

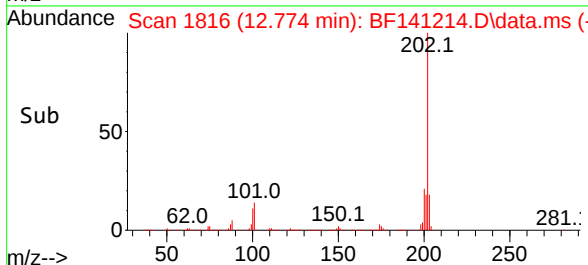
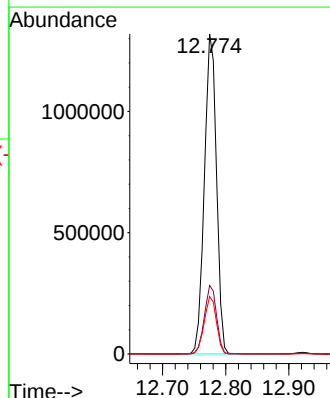
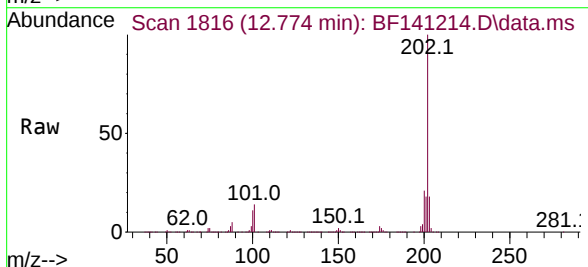
Tgt Ion:202 Resp: 1753273

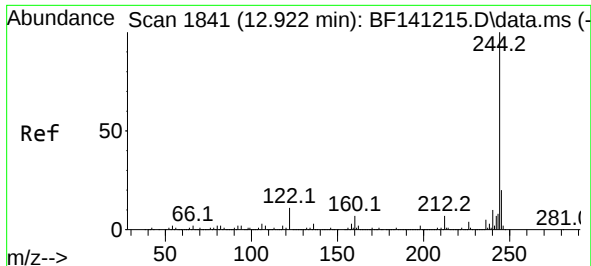
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.0 14.3 21.5





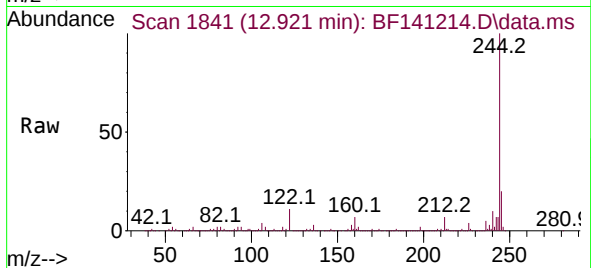
#79
 Terphenyl-d14
 Concen: 97.606 ng
 RT: 12.921 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF141214.D
 Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

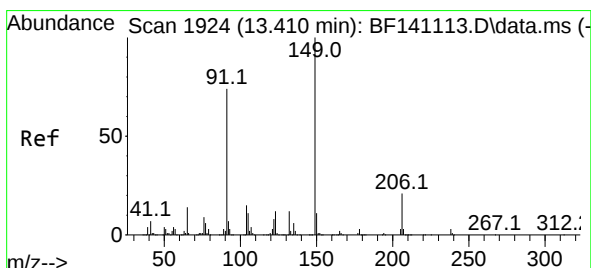
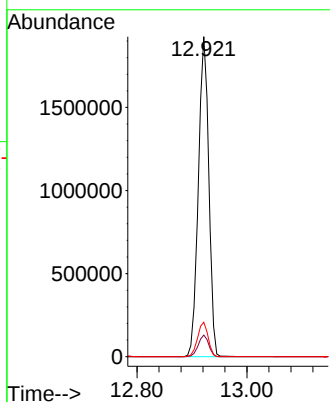
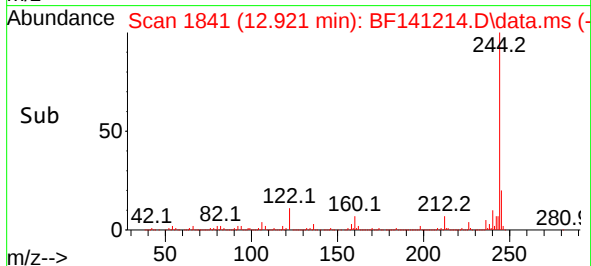


Tgt Ion:244 Resp: 2546992
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.8 8.8 13.2

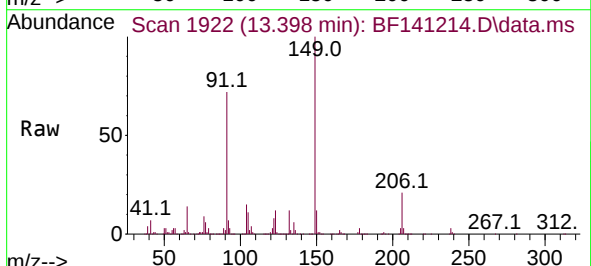
Manual Integrations

APPROVED

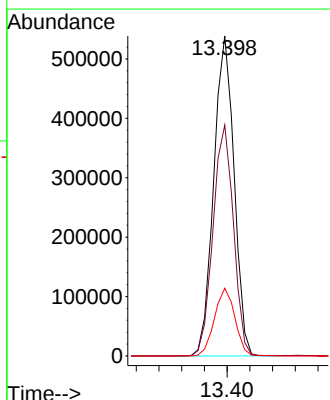
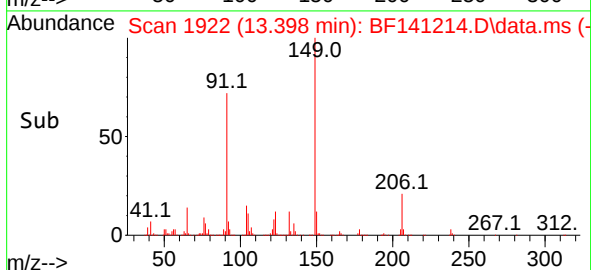
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

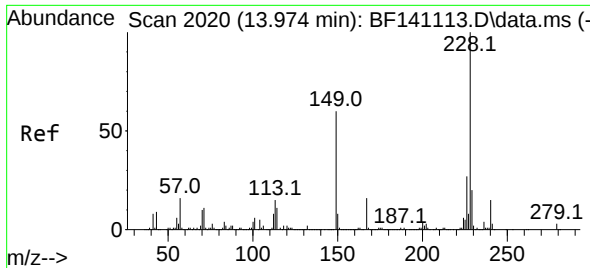


#80
 Butylbenzylphthalate
 Concen: 54.305 ng
 RT: 13.398 min Scan# 1922
 Delta R.T. -0.012 min
 Lab File: BF141214.D
 Acq: 20 Jan 2025 11:30



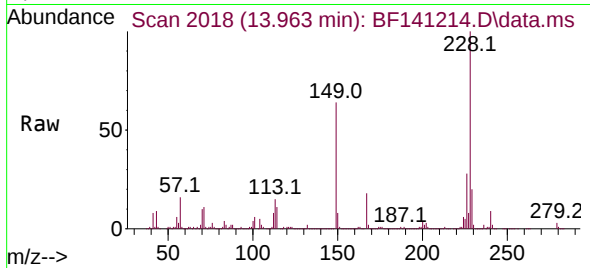
Tgt Ion:149 Resp: 670710
 Ion Ratio Lower Upper
 149 100
 91 72.2 59.0 88.6
 206 21.2 16.5 24.7





#81
Benzo(a)anthracene
Concen: 50.810 ng
RT: 13.963 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

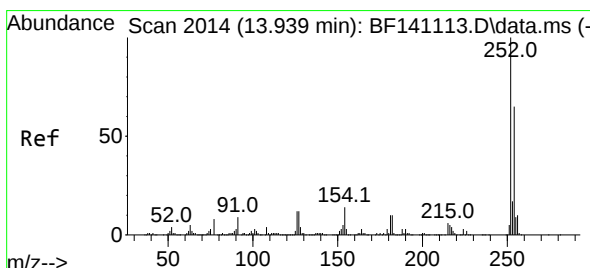
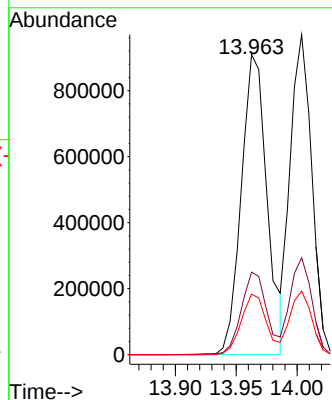
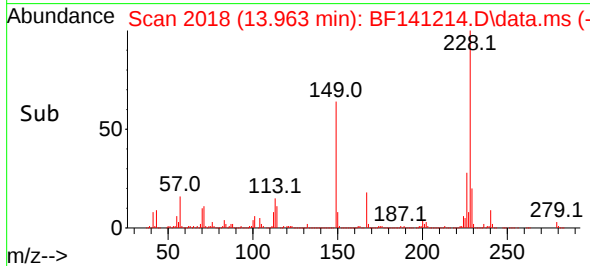
Instrument :
BNA_F
ClientSampleId :
PB166115BS



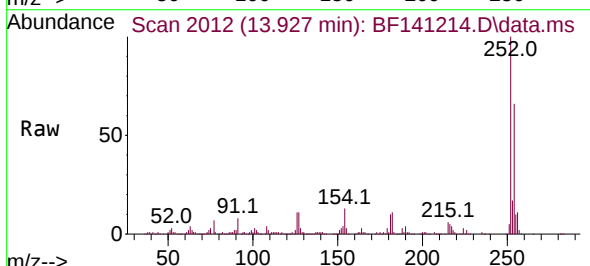
Tgt Ion:228 Resp: 1341144
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 20.2 15.7 23.5

Manual Integrations
APPROVED

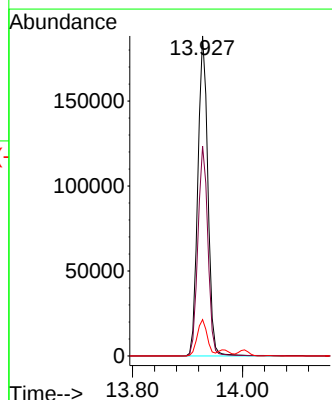
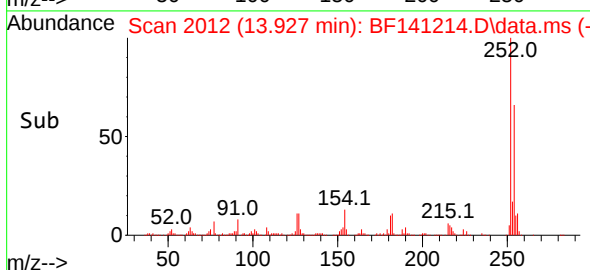
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

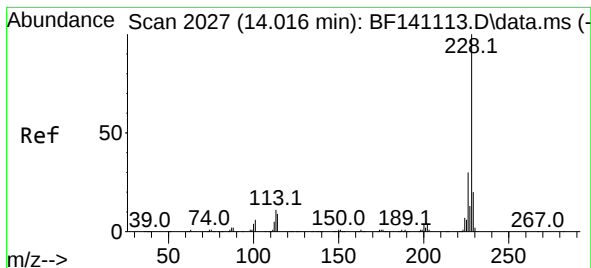


#82
3,3'-Dichlorobenzidine
Concen: 28.358 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30



Tgt Ion:252 Resp: 238344
Ion Ratio Lower Upper
252 100
254 65.6 52.0 78.0
126 11.4 9.4 14.0





#83

Chrysene

Concen: 48.371 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF141214.D

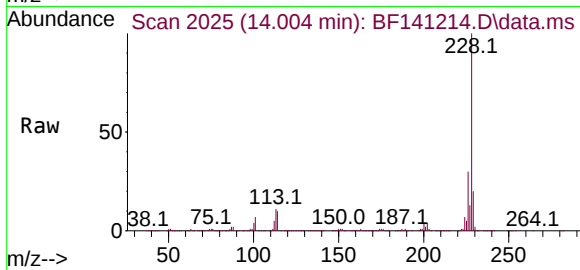
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS



Tgt Ion:228 Resp: 119466

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

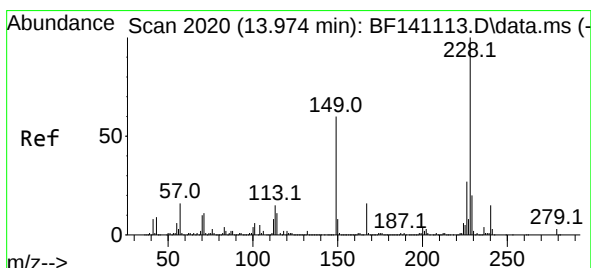
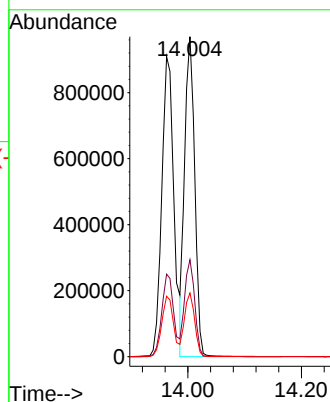
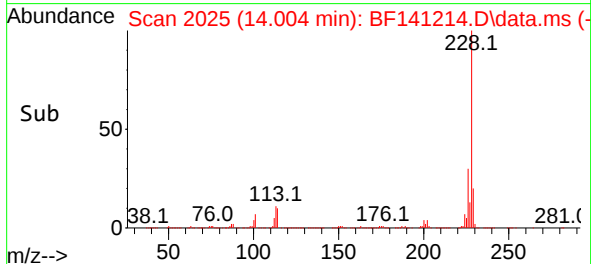
229 19.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.749 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

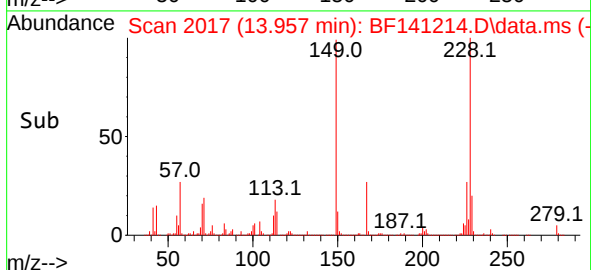
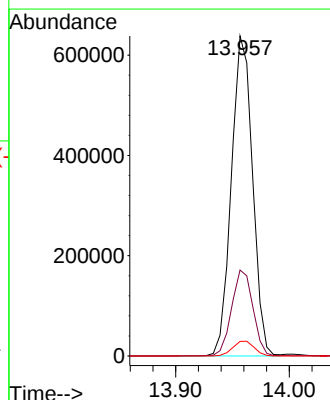
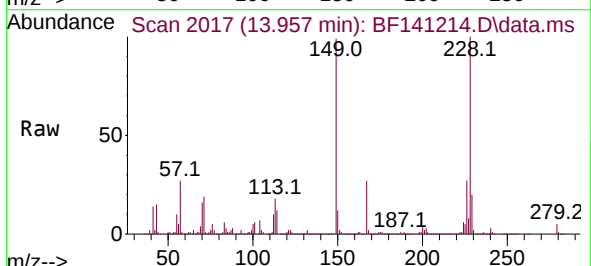
Tgt Ion:149 Resp: 826160

Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.2

279 4.6 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 53.845 ng

RT: 14.580 min Scan# 2124

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

Tgt Ion:149 Resp: 1204958

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

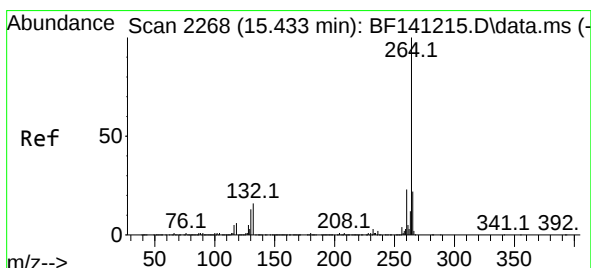
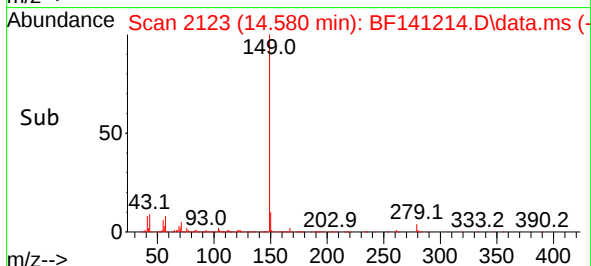
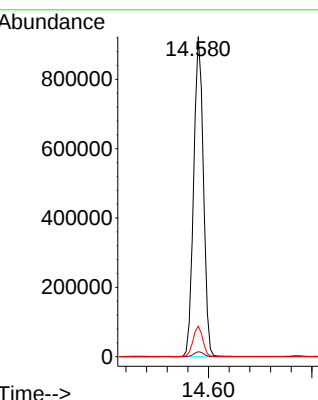
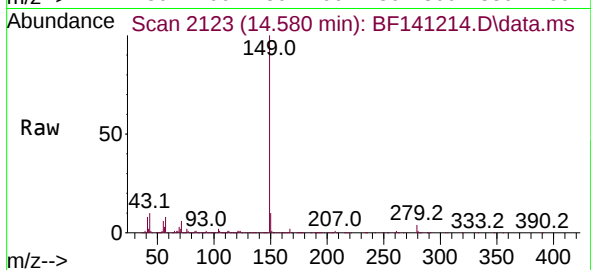
43 9.4 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

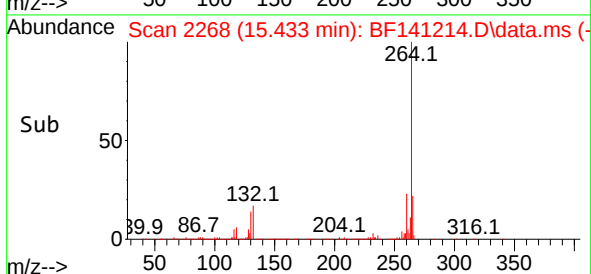
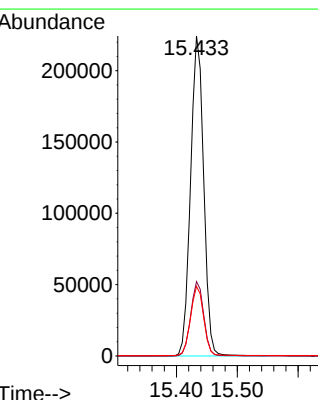
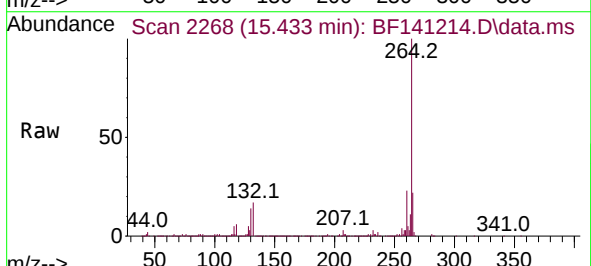
Tgt Ion:264 Resp: 335070

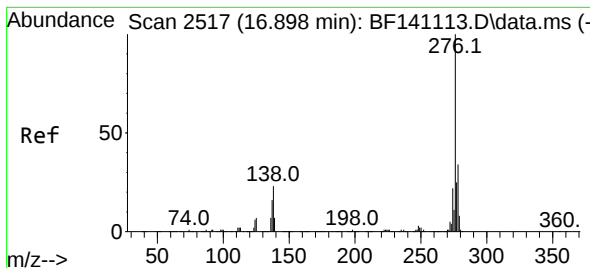
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.610 ng

RT: 16.886 min Scan# 2117

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

Tgt Ion:276 Resp: 121784

Ion Ratio Lower Upper

276 100

138 24.0 20.7 31.1

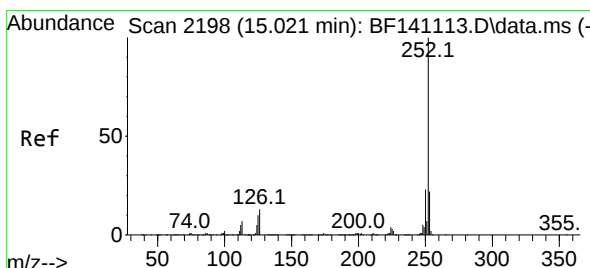
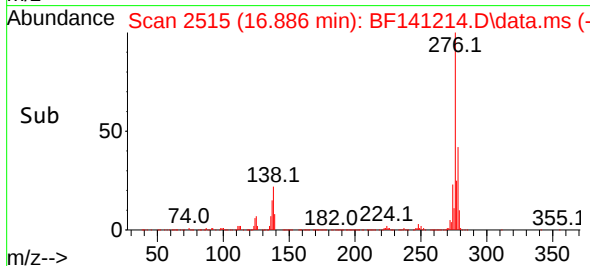
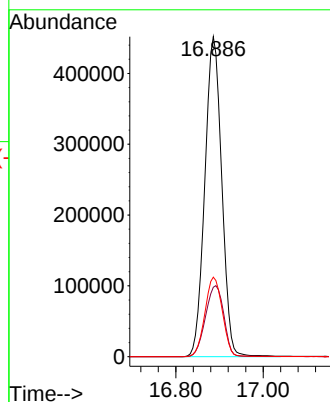
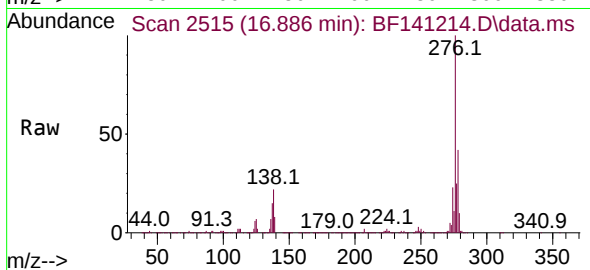
277 25.7 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#88

Benzo(b)fluoranthene

Concen: 49.800 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

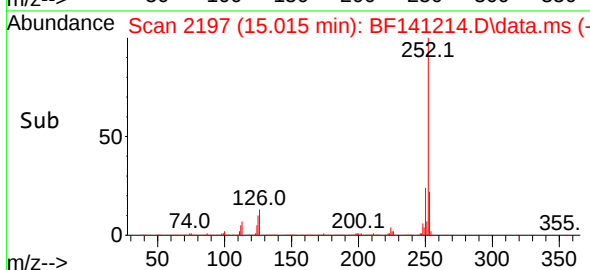
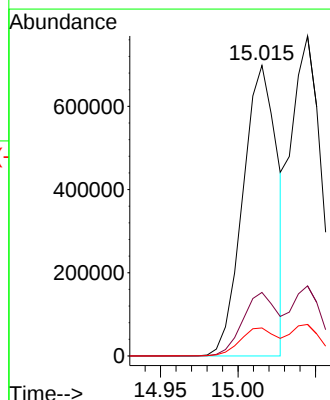
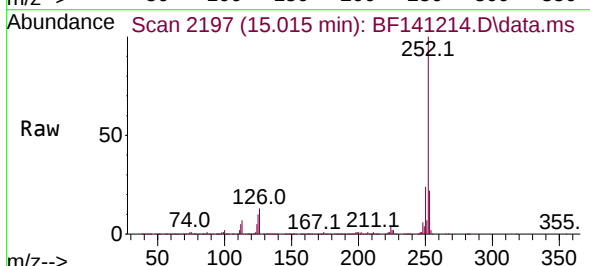
Tgt Ion:252 Resp: 1076009

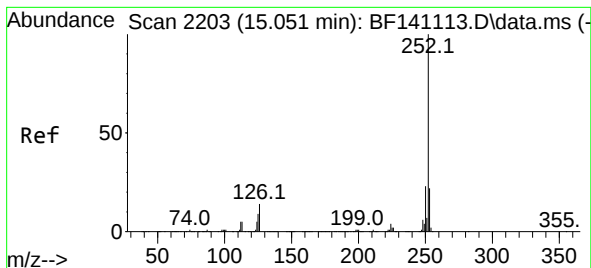
Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

125 9.7 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 57.158 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

ClientSampleId :

PB166115BS

Tgt Ion:252 Resp: 104365

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

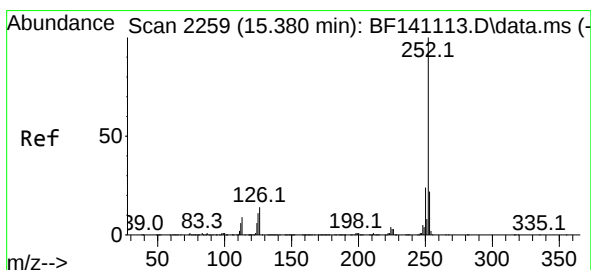
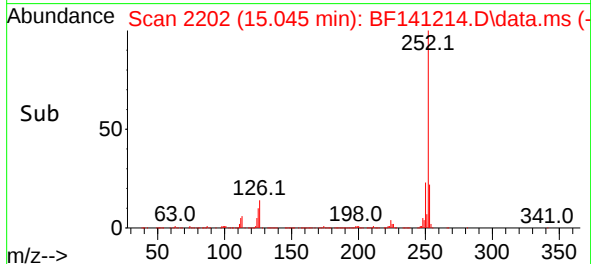
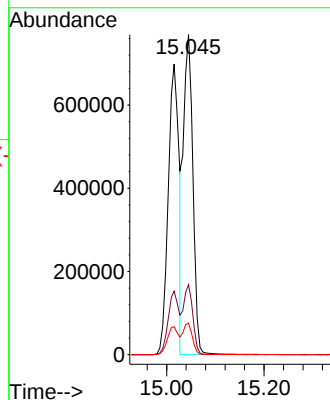
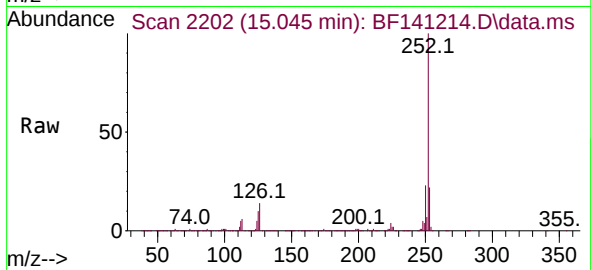
125 9.9 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#90

Benzo(a)pyrene

Concen: 55.453 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

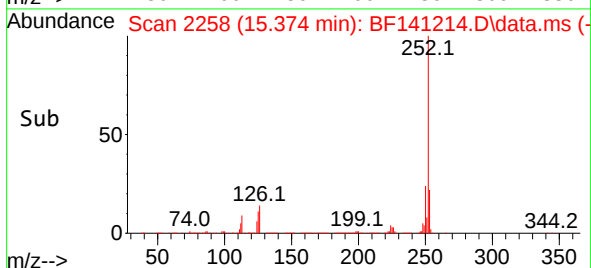
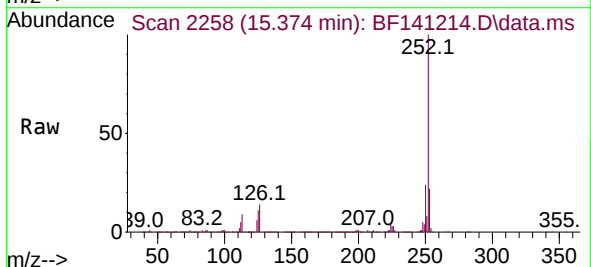
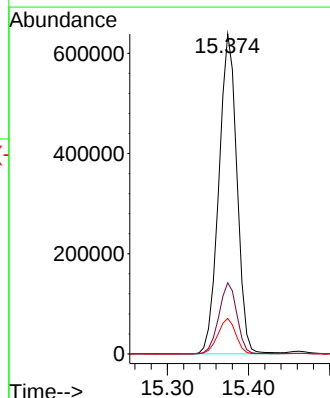
Tgt Ion:252 Resp: 988532

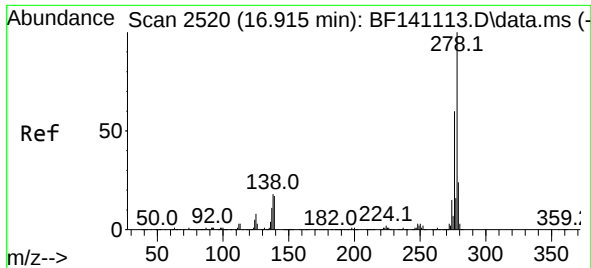
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.1 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 49.103 ng
RT: 16.904 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Instrument :

BNA_F

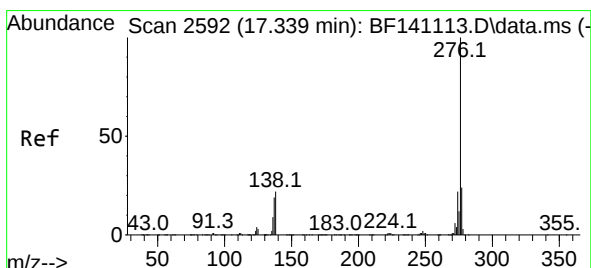
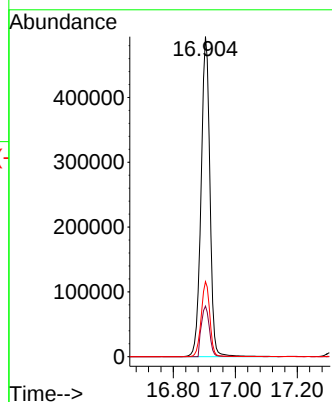
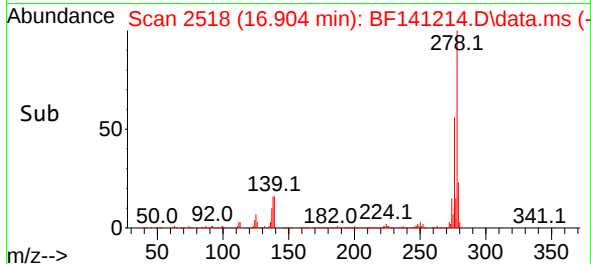
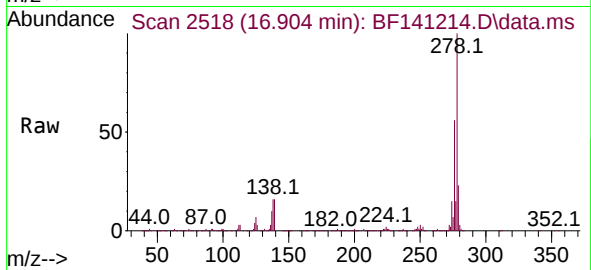
ClientSampleId :

PB166115BS

Tgt Ion:278 Resp: 974928
Ion Ratio Lower Upper
278 100
139 15.8 13.8 20.6
279 23.4 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#92
Benzo(g,h,i)perylene
Concen: 45.117 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.018 min
Lab File: BF141214.D
Acq: 20 Jan 2025 11:30

Tgt Ion:276 Resp: 931749
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.4
138 21.1 17.4 26.2

