

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141218.D
 Acq On : 20 Jan 2025 13:15
 Operator : RC/JU
 Sample : PB166117BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166117BS

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 13:42:41 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	161782	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	655900	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	349277	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	596700	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	391687	20.000	ng	-0.01
86) Perylene-d12	15.427	264	341954	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1423767	135.951	ng	0.00
7) Phenol-d6	6.445	99	1795032	135.312	ng	0.00
23) Nitrobenzene-d5	7.375	82	1171438	94.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	626751	157.484	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	2181161	95.361	ng	-0.01
79) Terphenyl-d14	12.922	244	2543164	96.504	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	192401	41.256	ng	97
3) Pyridine	3.363	79	471124	41.195	ng	97
4) n-Nitrosodimethylamine	3.316	42	260142	46.521	ng	98
6) Aniline	6.475	93	479011	40.670	ng	# 89
8) 2-Chlorophenol	6.598	128	574035	51.089	ng	96
9) Benzaldehyde	6.357	77	64923	8.309	ng	99
10) Phenol	6.457	94	689111	48.527	ng	90
11) bis(2-Chloroethyl)ether	6.551	93	520505	49.183	ng	97
12) 1,3-Dichlorobenzene	6.751	146	588814	46.987	ng	100
13) 1,4-Dichlorobenzene	6.828	146	597776	47.337	ng	99
14) 1,2-Dichlorobenzene	6.981	146	579077	49.160	ng	98
15) Benzyl Alcohol	6.957	79	491614	51.315	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.087	45	696139	47.138	ng	94
17) 2-Methylphenol	7.069	107	460047	50.715	ng	98
18) Hexachloroethane	7.322	117	221353	48.471	ng	98
19) n-Nitroso-di-n-propyla...	7.228	70	384185	49.163	ng	97
20) 3+4-Methylphenols	7.222	107	553582	48.372	ng	# 81
22) Acetophenone	7.222	105	744694	47.760	ng	# 95
24) Nitrobenzene	7.392	77	589914	45.745	ng	100
25) Isophorone	7.634	82	1045230	49.430	ng	99
26) 2-Nitrophenol	7.710	139	304130	51.845	ng	99
27) 2,4-Dimethylphenol	7.745	122	461535	58.330	ng	98
28) bis(2-Chloroethoxy)met...	7.845	93	641396	48.332	ng	100
29) 2,4-Dichlorophenol	7.951	162	472573	50.287	ng	99
30) 1,2,4-Trichlorobenzene	8.034	180	495977	46.173	ng	99
31) Naphthalene	8.116	128	1641128	47.446	ng	100
32) Benzoic acid	7.869	122	386559	50.928	ng	97
33) 4-Chloroaniline	8.163	127	217308	18.166	ng	99
34) Hexachlorobutadiene	8.234	225	305369	47.180	ng	100
35) Caprolactam	8.534	113	146246m	47.534	ng	
36) 4-Chloro-3-methylphenol	8.645	107	511507	49.770	ng	99
37) 2-Methylnaphthalene	8.804	142	1069518	48.523	ng	99
38) 1-Methylnaphthalene	8.904	142	995441	45.825	ng	100
40) 1,2,4,5-Tetrachloroben...	8.969	216	494483	49.325	ng	98
41) Hexachlorocyclopentadiene	8.957	237	615991	187.813	ng	100
43) 2,4,6-Trichlorophenol	9.081	196	347068	51.332	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	351551	49.232	ng	99
46) 1,1'-Biphenyl	9.269	154	1324467	48.829	ng	99
47) 2-Chloronaphthalene	9.292	162	993920	47.045	ng	100
48) 2-Nitroaniline	9.386	65	308424	49.248	ng	98
49) Acenaphthylene	9.710	152	1548262	51.294	ng	100
50) Dimethylphthalate	9.575	163	1173008	50.025	ng	100
51) 2,6-Dinitrotoluene	9.634	165	265650	48.718	ng	99
52) Acenaphthene	9.881	154	1161330	55.071	ng	99
53) 3-Nitroaniline	9.798	138	166299	30.011	ng	99
54) 2,4-Dinitrophenol	9.910	184	309500	119.414	ng	95
55) Dibenzofuran	10.057	168	1398581	48.758	ng	100
56) 4-Nitrophenol	9.963	139	435346	100.317	ng	95
57) 2,4-Dinitrotoluene	10.039	165	362433	51.576	ng	98
58) Fluorene	10.398	166	1091586	48.984	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	307358	51.784	ng	100
60) Diethylphthalate	10.275	149	1132863	49.488	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	532210	49.001	ng	97
62) 4-Nitroaniline	10.416	138	269068	49.612	ng	96
63) Azobenzene	10.551	77	1104849	48.914	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	208758	60.375	ng	98
66) n-Nitrosodiphenylamine	10.510	169	969467	50.372	ng	99
67) 4-Bromophenyl-phenylether	10.881	248	349844	50.925	ng	99
68) Hexachlorobenzene	10.945	284	393452	51.449	ng	98
69) Atrazine	11.039	200	333043	64.267	ng	99
70) Pentachlorophenol	11.139	266	501513	102.404	ng	100
71) Phenanthrene	11.357	178	1652640	51.589	ng	100
72) Anthracene	11.410	178	1668857	53.576	ng	100
73) Carbazole	11.563	167	1464784	51.285	ng	100
74) Di-n-butylphthalate	11.898	149	1707757	52.246	ng	100
75) Fluoranthene	12.545	202	1702508	53.257	ng	99
77) Benzidine	12.669	184	401458	55.270	ng	99
78) Pyrene	12.775	202	1721782	46.023	ng	99
80) Butylbenzylphthalate	13.398	149	671618	53.845	ng	98
81) Benzo(a)anthracene	13.963	228	1264293	47.429	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	248240	29.246	ng	99
83) Chrysene	14.004	228	1239477	49.694	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	811154	54.200	ng	99
85) Di-n-octyl phthalate	14.574	149	1205001	53.319	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	1238001	49.416	ng	98
88) Benzo(b)fluoranthene	15.010	252	1206417	54.712	ng	100
89) Benzo(k)fluoranthene	15.039	252	928188	49.810	ng	99
90) Benzo(a)pyrene	15.368	252	1004648	55.223	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	989420	48.830	ng	99
92) Benzo(g,h,i)perylene	17.315	276	945921	44.881	ng	99

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

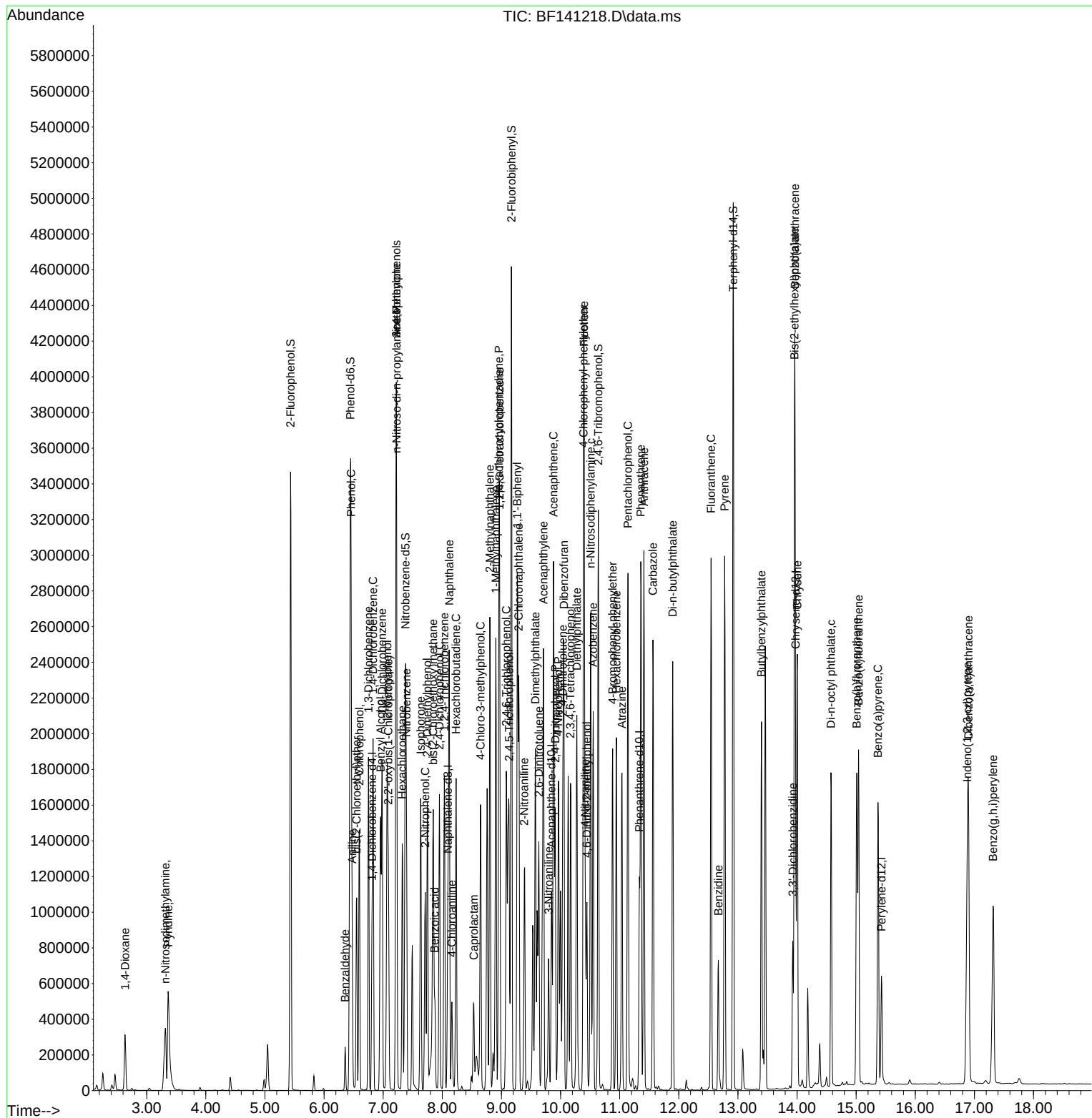
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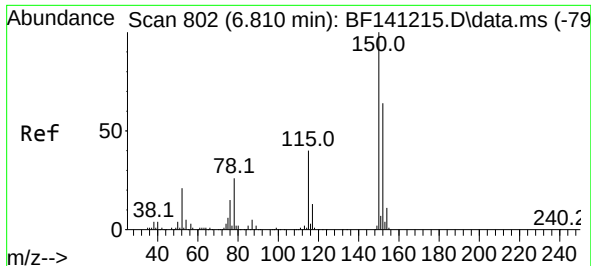
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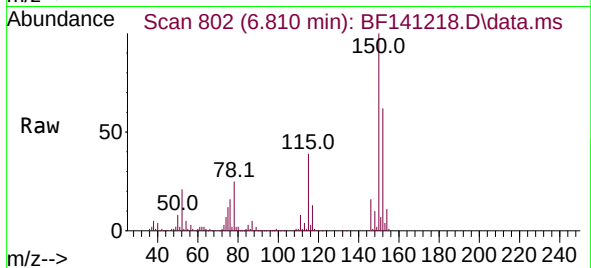
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

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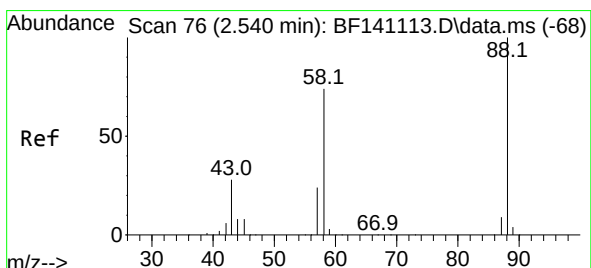
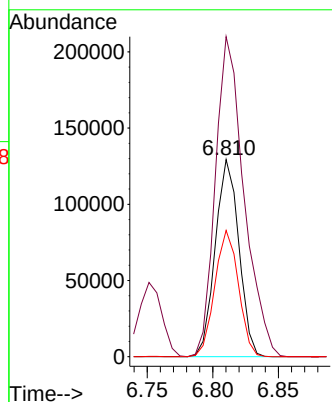
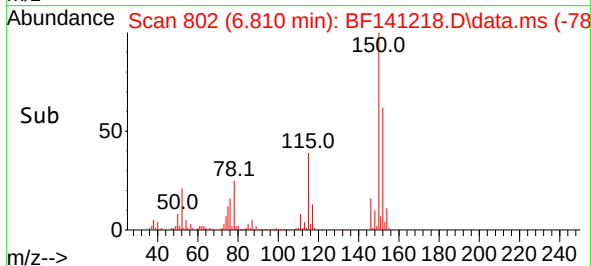


Tgt Ion:152 Resp: 16178
Ion Ratio Lower Upper
152 100
150 162.3 125.8 188.8
115 64.0 51.4 77.2

Manual Integrations

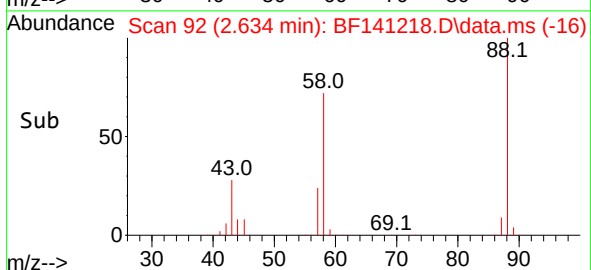
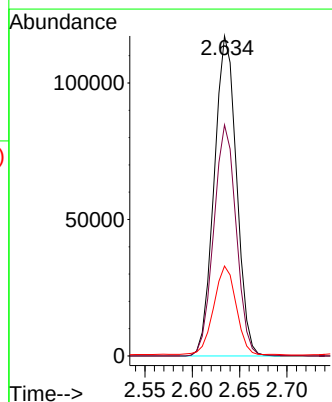
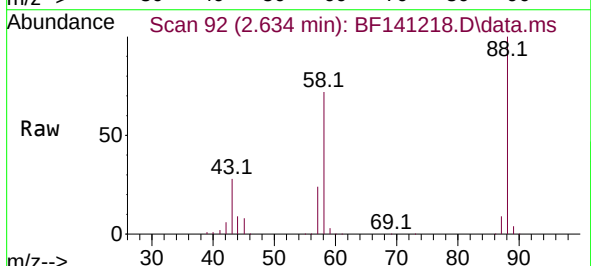
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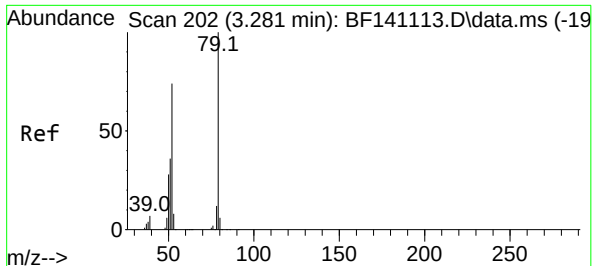
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#2
1,4-Dioxane
Concen: 41.256 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.094 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

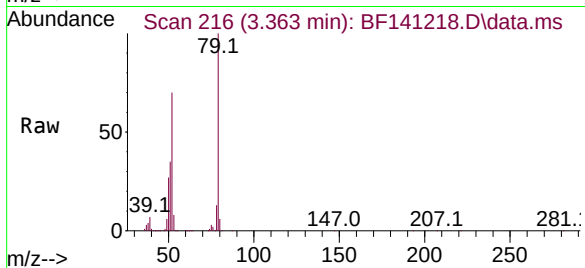
Tgt Ion: 88 Resp: 192401
Ion Ratio Lower Upper
88 100
58 72.5 60.1 90.1
43 27.5 23.1 34.7





#3
Pyridine
Concen: 41.195 ng
RT: 3.363 min Scan# 216
Delta R.T. 0.082 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

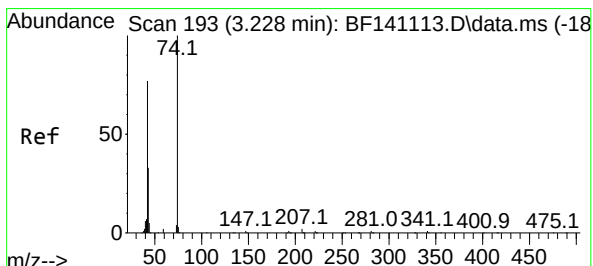
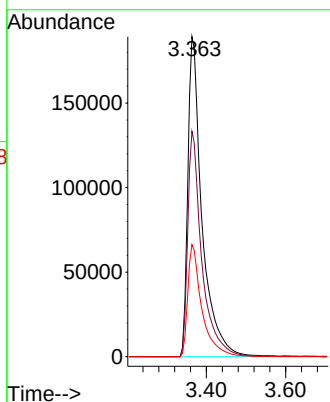
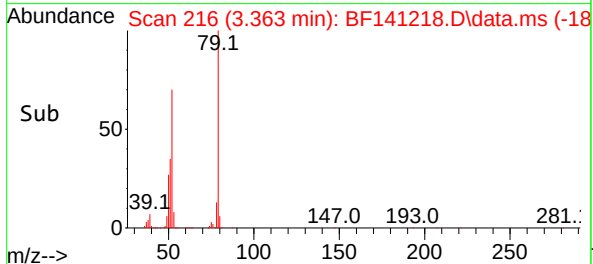
Instrument :
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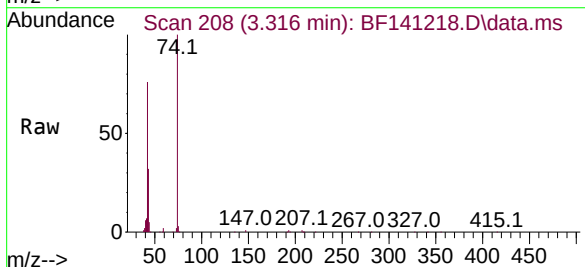
Tgt Ion: 79 Resp: 471124
Ion Ratio Lower Upper
79 100
52 70.4 58.9 88.3
51 35.1 29.1 43.7

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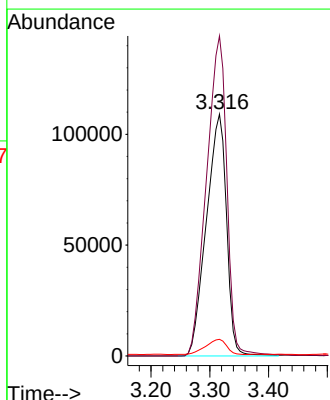
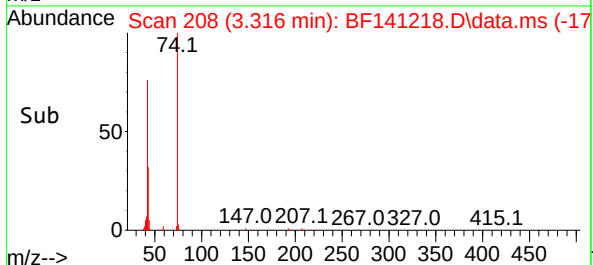
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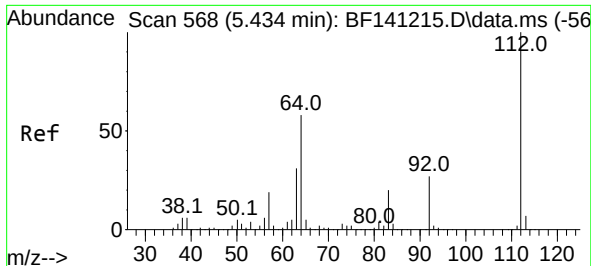


#4
n-Nitrosodimethylamine
Concen: 46.521 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.088 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion: 42 Resp: 260142
Ion Ratio Lower Upper
42 100
74 132.4 103.8 155.6
44 6.9 5.3 7.9





#5
2-Fluorophenol
Concen: 135.951 ng
RT: 5.434 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

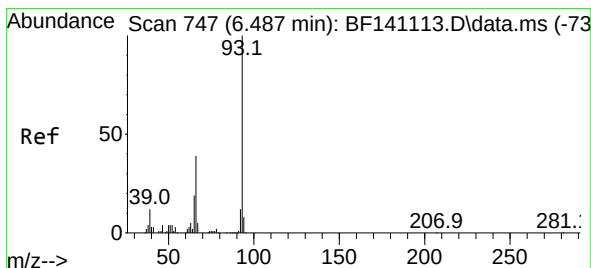
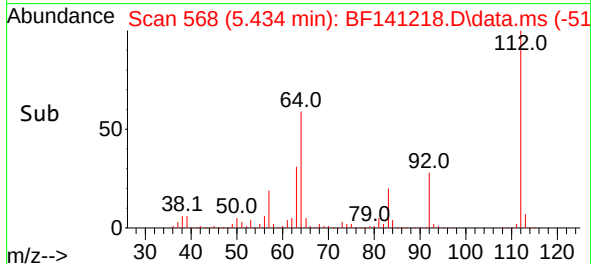
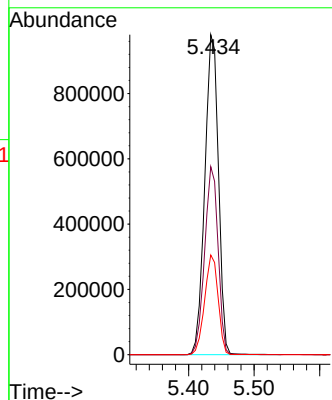
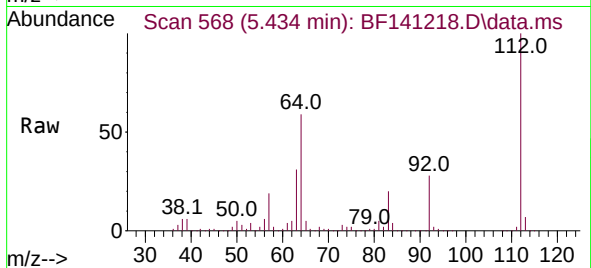
PB166117BS

Tgt Ion:112 Resp: 142376
Ion Ratio Lower Upper
112 100
64 58.7 47.3 70.9
63 31.1 24.2 36.2

Manual Integrations

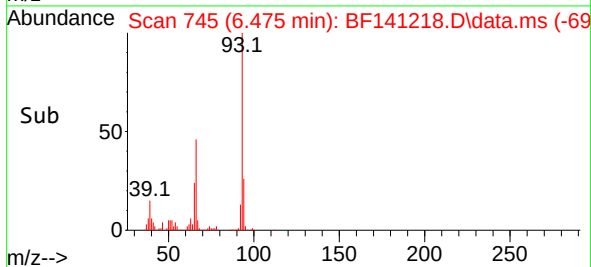
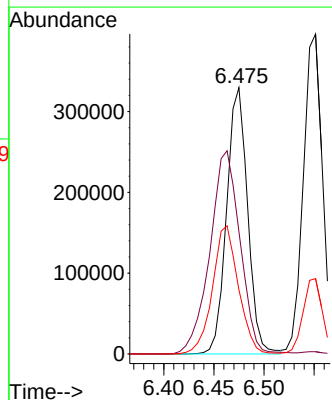
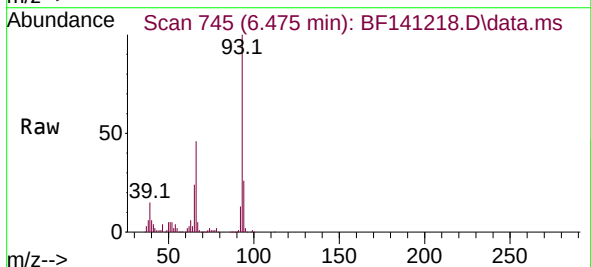
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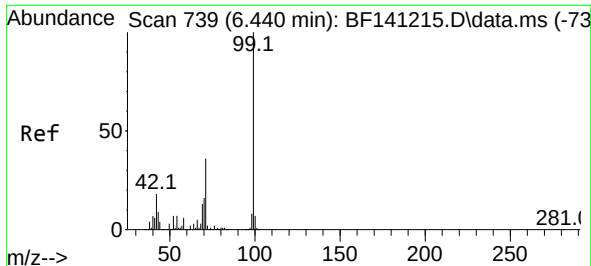
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#6
Aniline
Concen: 40.670 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141218.D
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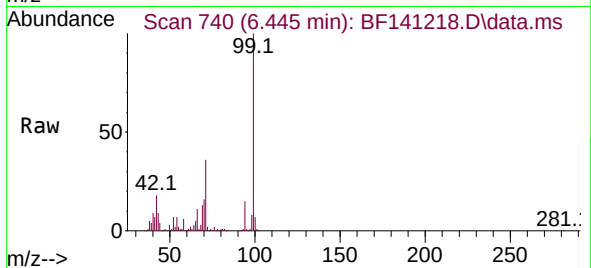
Tgt Ion: 93 Resp: 479011
Ion Ratio Lower Upper
93 100
66 45.9 31.5 47.3
65 24.1 15.3 22.9





#7
Phenol-d6
Concen: 135.312 ng
RT: 6.445 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

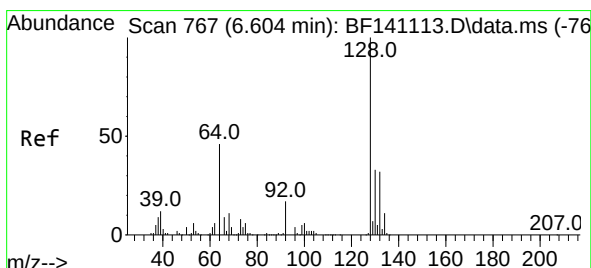
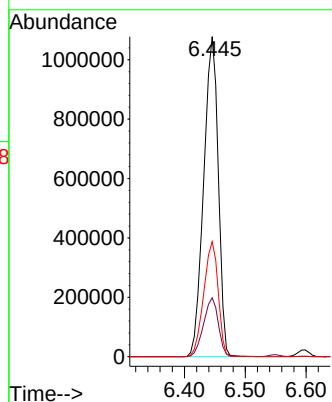
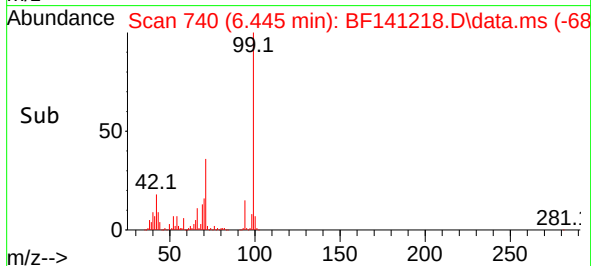
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Tgt Ion: 99 Resp: 179503
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 36.0 27.6 41.4

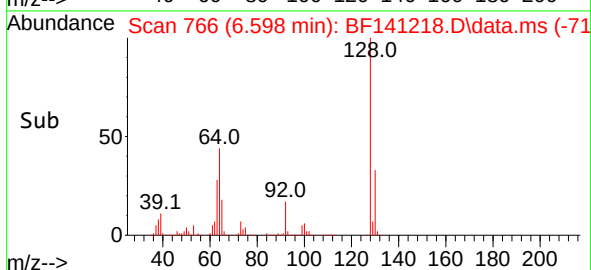
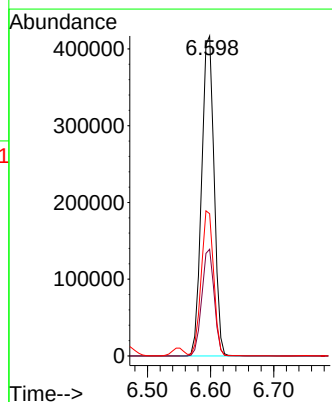
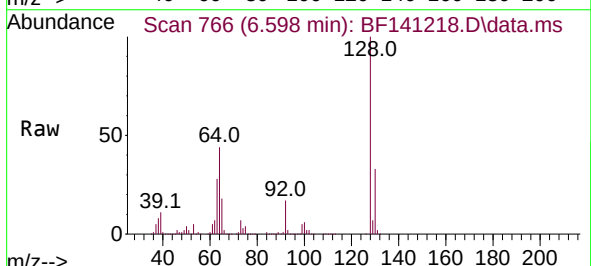
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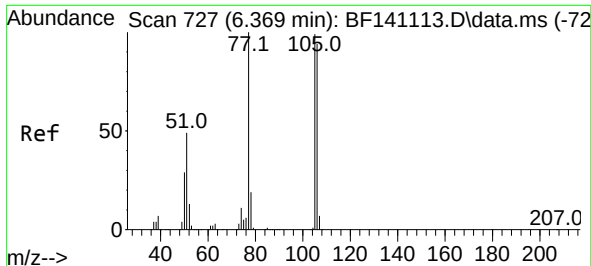
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#8
2-Chlorophenol
Concen: 51.089 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:128 Resp: 574035
Ion Ratio Lower Upper
128 100
130 33.4 12.5 52.5
64 44.4 28.3 68.3





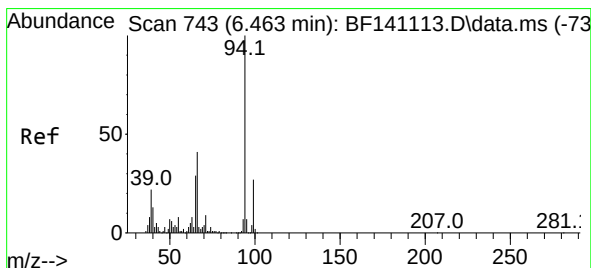
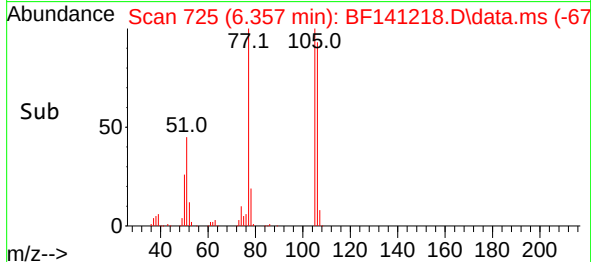
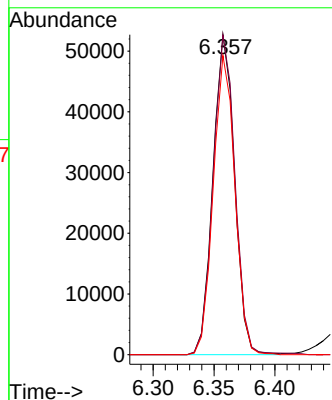
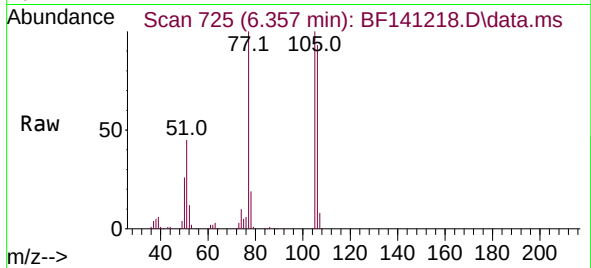
#9
Benzaldehyde
Concen: 8.309 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
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Tgt Ion: 77 Resp: 6492
Ion Ratio Lower Upper
77 100
105 99.9 78.9 118.9
106 93.5 73.6 113.6

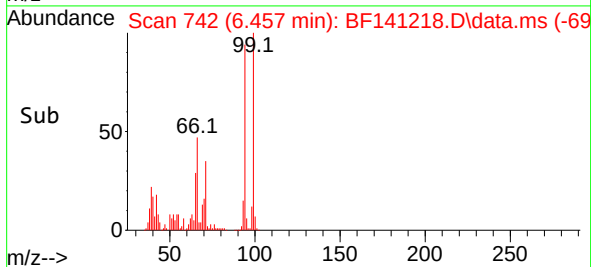
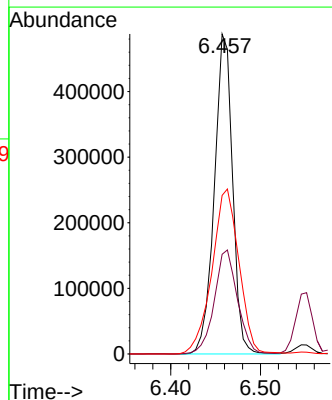
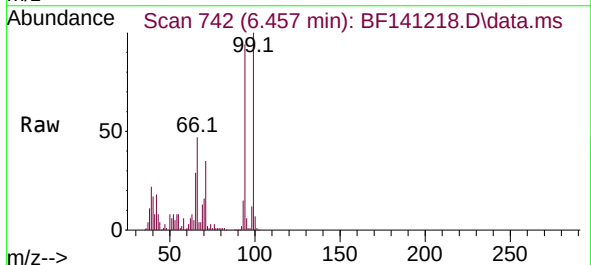
Manual Integrations
APPROVED

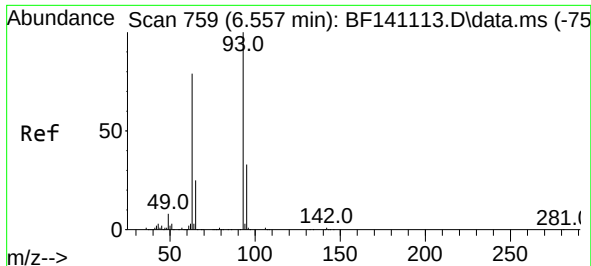
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#10
Phenol
Concen: 48.527 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

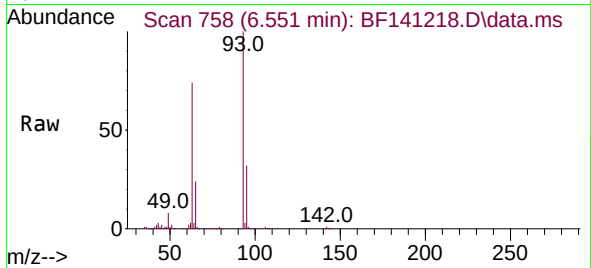
Tgt Ion: 94 Resp: 689111
Ion Ratio Lower Upper
94 100
65 31.2 8.9 48.9
66 49.6 21.2 61.2





#11
bis(2-Chloroethyl)ether
Concen: 49.183 ng
RT: 6.551 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

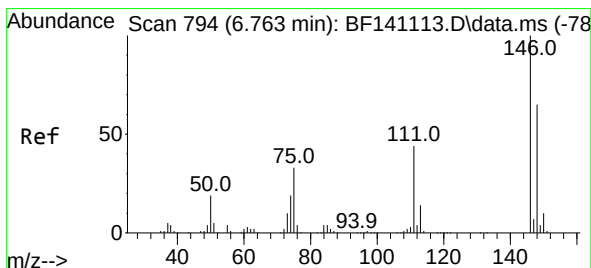
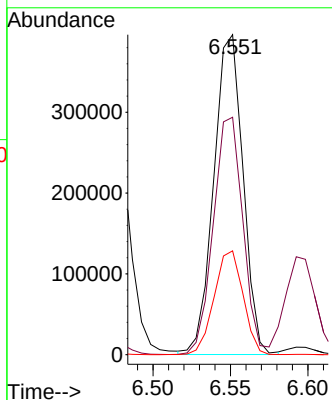
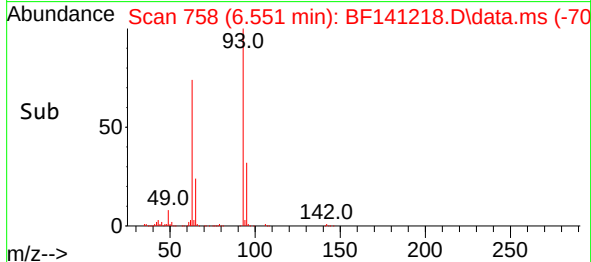
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion: 93 Resp: 52050
Ion Ratio Lower Upper
93 100
63 74.2 58.0 98.0
95 32.4 12.5 52.5

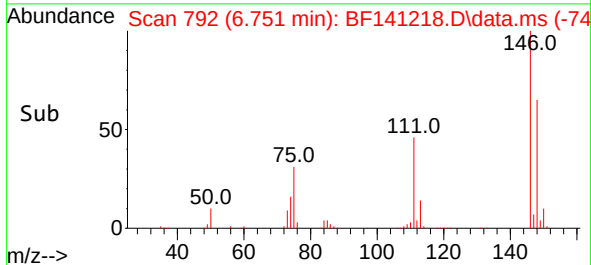
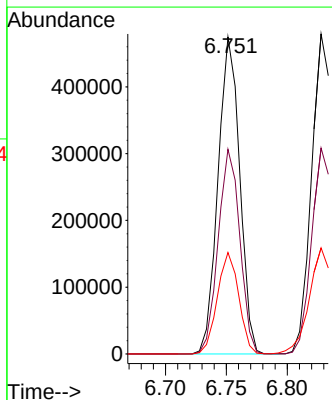
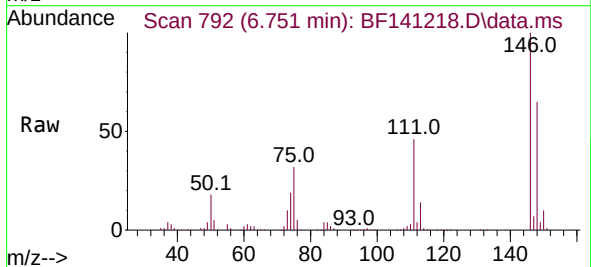
Manual Integrations
APPROVED

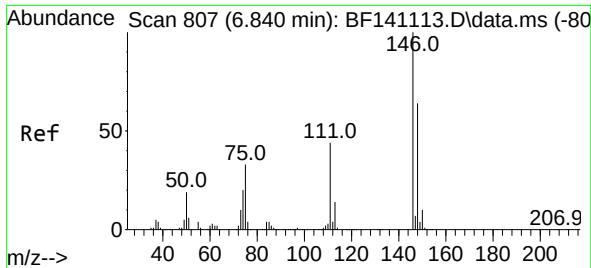
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#12
1,3-Dichlorobenzene
Concen: 46.987 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

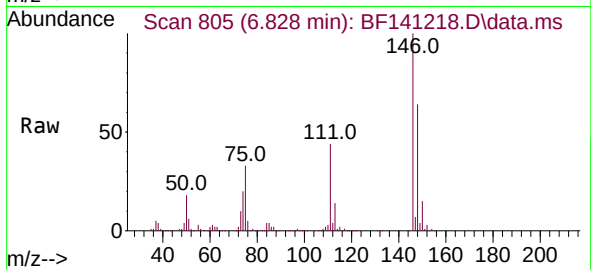
Tgt Ion:146 Resp: 588814
Ion Ratio Lower Upper
146 100
148 64.6 51.6 77.4
75 32.0 26.2 39.2





#13
1,4-Dichlorobenzene
Concen: 47.337 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

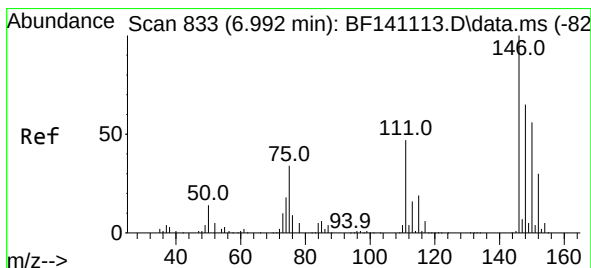
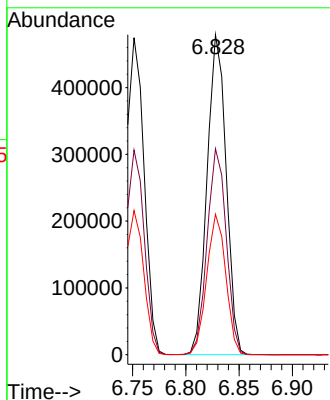
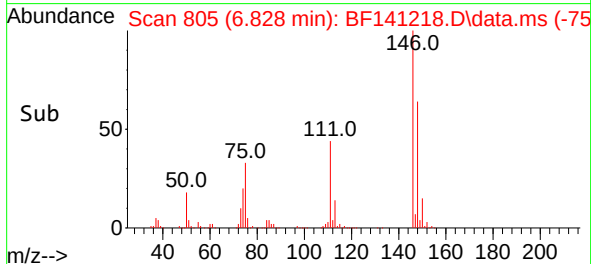
Instrument :
BNA_F
ClientSampleId :
PB166117BS



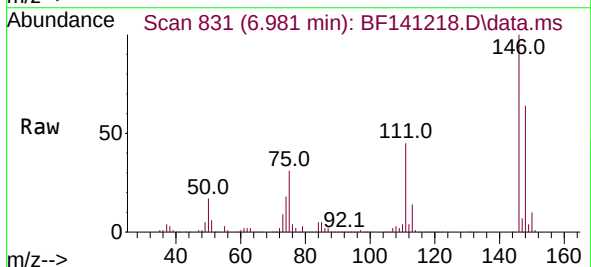
Tgt Ion:146 Resp: 597770
Ion Ratio Lower Upper
146 100
148 64.3 51.0 76.6
111 43.9 34.9 52.3

Manual Integrations
APPROVED

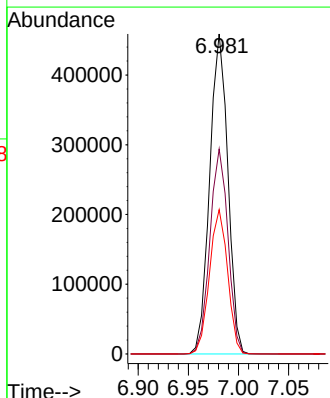
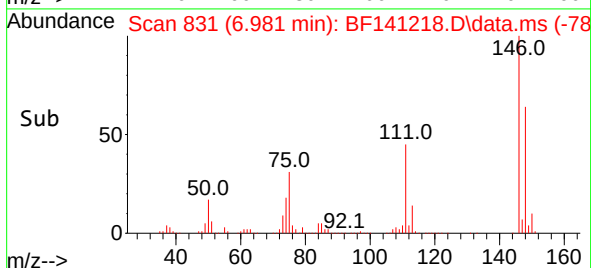
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

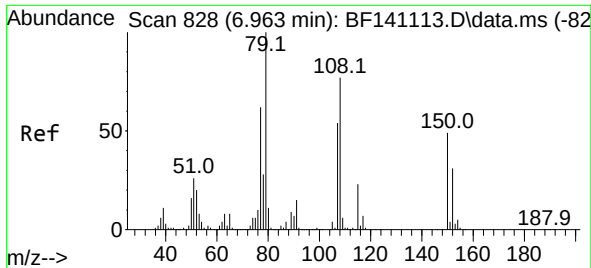


#14
1,2-Dichlorobenzene
Concen: 49.160 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



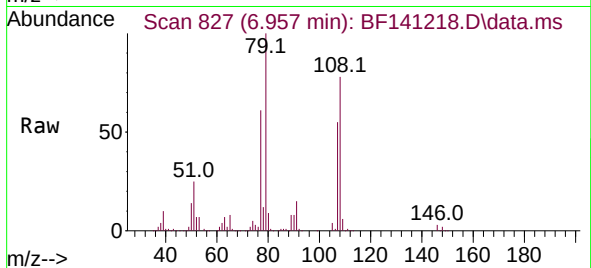
Tgt Ion:146 Resp: 579077
Ion Ratio Lower Upper
146 100
148 64.0 52.2 78.4
111 45.1 37.5 56.3





#15
Benzyl Alcohol
Concen: 51.315 ng
RT: 6.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

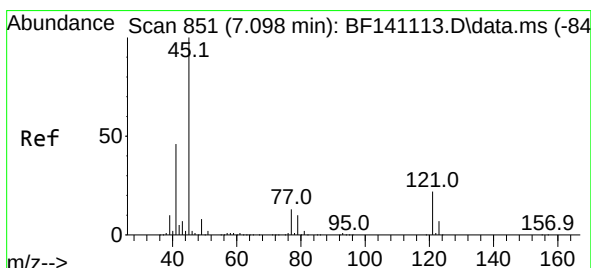
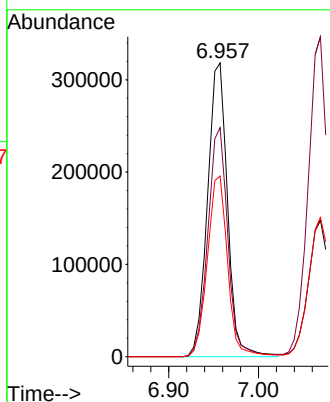
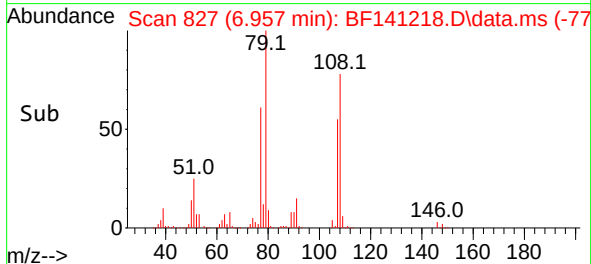
Instrument :
BNA_F
ClientSampleId :
PB166117BS



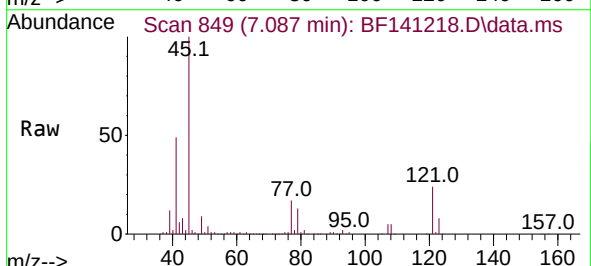
Tgt Ion: 79 Resp: 491614
Ion Ratio Lower Upper
79 100
108 78.0 61.4 92.0
77 61.5 49.8 74.6

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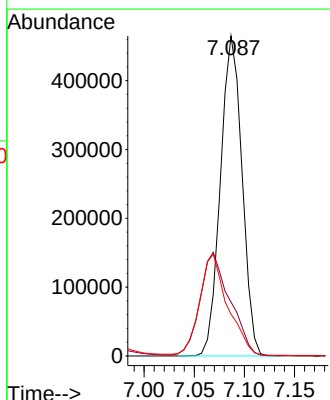
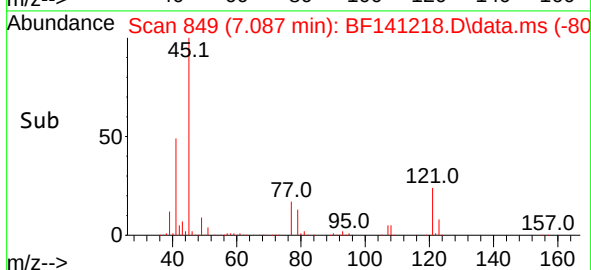
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

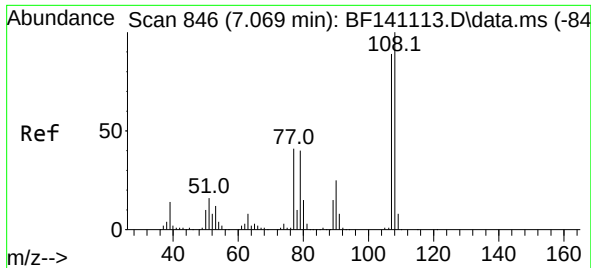


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.138 ng
RT: 7.087 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



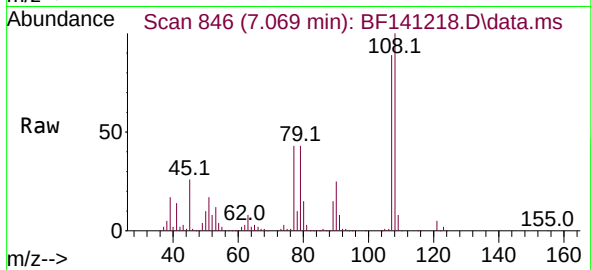
Tgt Ion: 45 Resp: 696139
Ion Ratio Lower Upper
45 100
77 16.9 0.0 34.1
79 13.1 0.0 31.0





#17
2-Methylphenol
Concen: 50.715 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

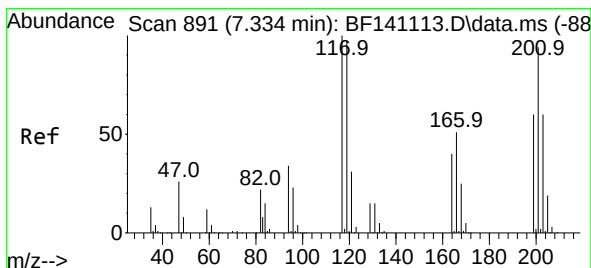
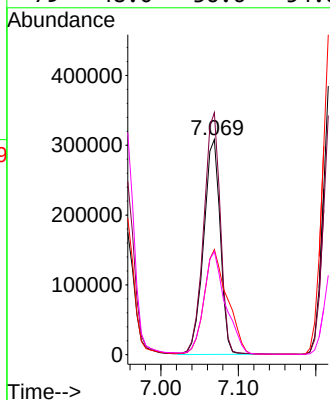
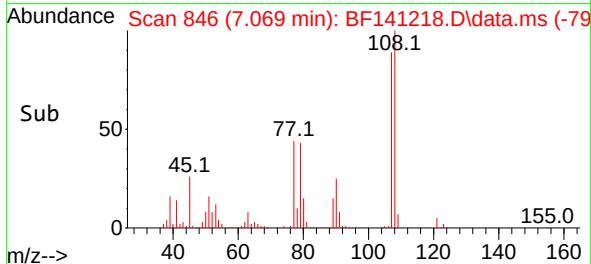
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:107 Resp: 46004
Ion Ratio Lower Upper
107 100
108 112.5 90.1 135.1
77 48.9 36.6 55.0
79 48.0 36.6 54.8

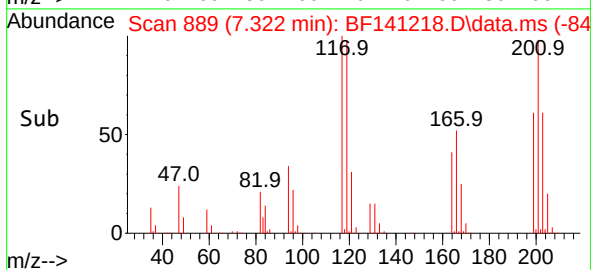
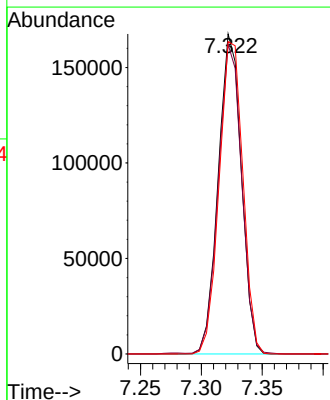
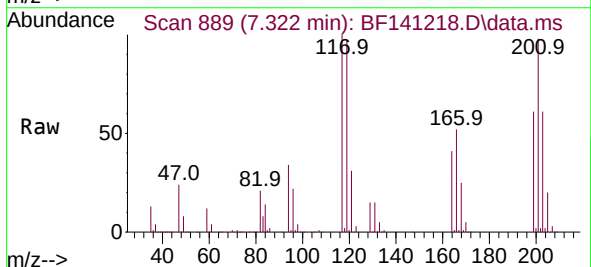
Manual Integrations
APPROVED

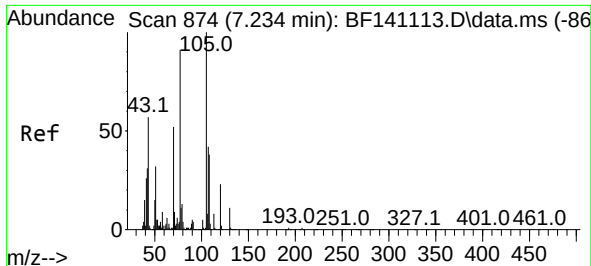
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#18
Hexachloroethane
Concen: 48.471 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

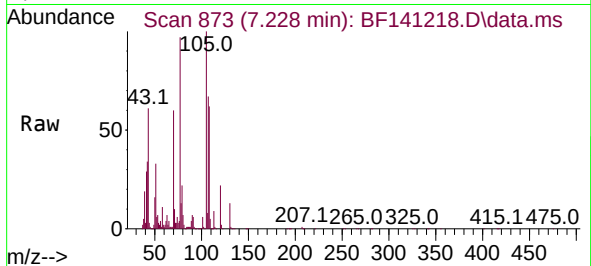
Tgt Ion:117 Resp: 221353
Ion Ratio Lower Upper
117 100
119 96.8 77.6 116.4
201 97.6 75.1 112.7





#19
n-Nitroso-di-n-propylamine
Concen: 49.163 ng
RT: 7.228 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

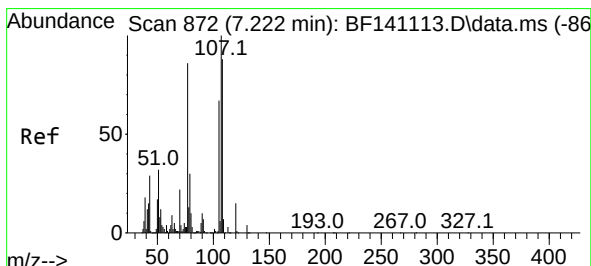
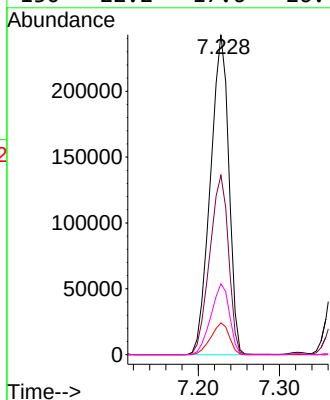
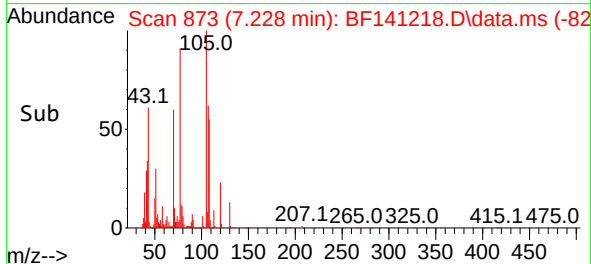
Instrument :
BNA_F
ClientSampleId :
PB166117BS



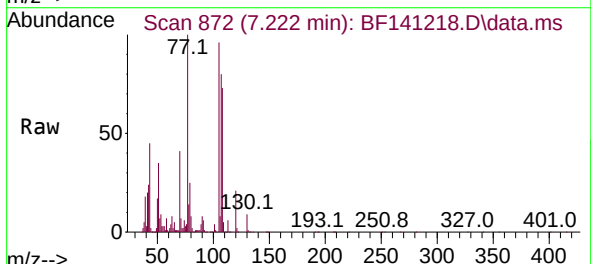
Tgt Ion: 70 Resp: 38418
Ion Ratio Lower Upper
70 100
42 56.1 47.8 71.6
101 9.9 7.9 11.9
130 22.2 17.6 26.4

Manual Integrations
APPROVED

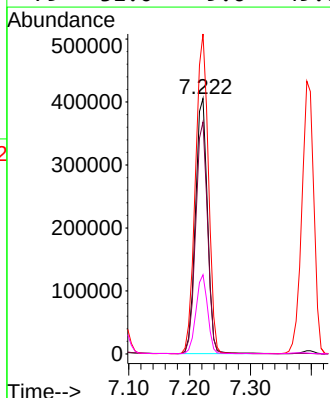
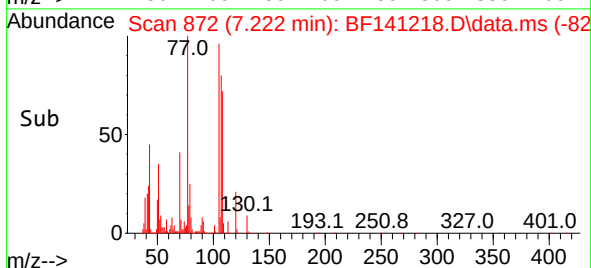
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

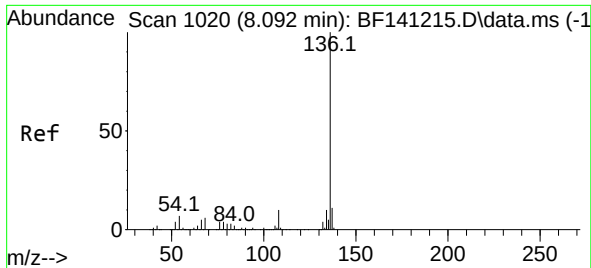


#20
3+4-Methylphenols
Concen: 48.372 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:107 Resp: 553582
Ion Ratio Lower Upper
107 100
108 90.8 68.3 108.3
77 125.2 66.4 106.4#
79 31.0 9.6 49.6





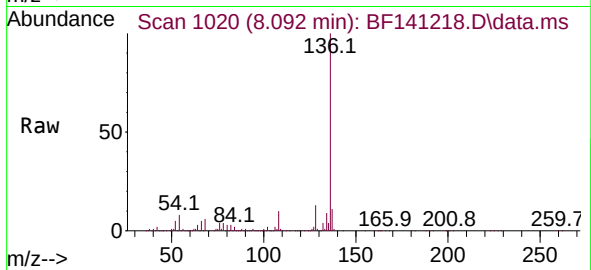
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

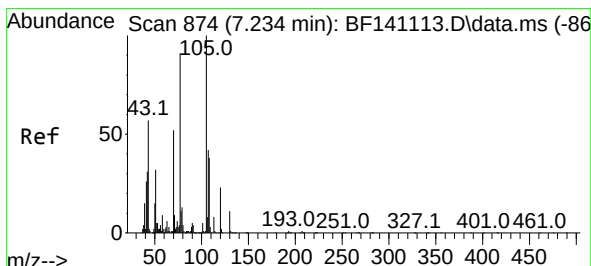
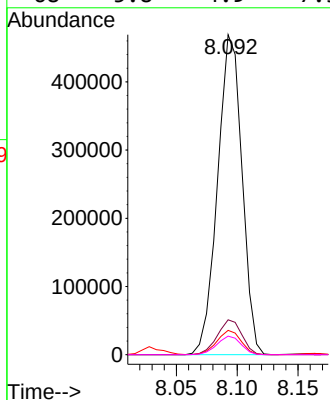
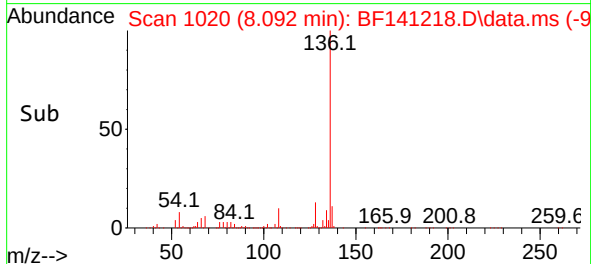


Tgt Ion:136 Resp: 655900
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 6.3 9.5
68 5.8 4.9 7.3

Manual Integrations

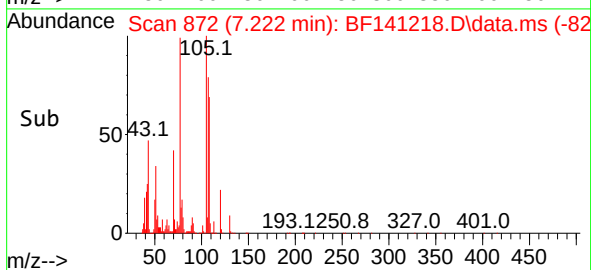
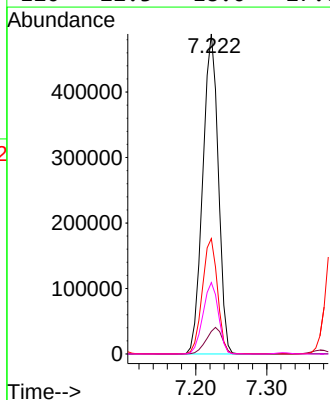
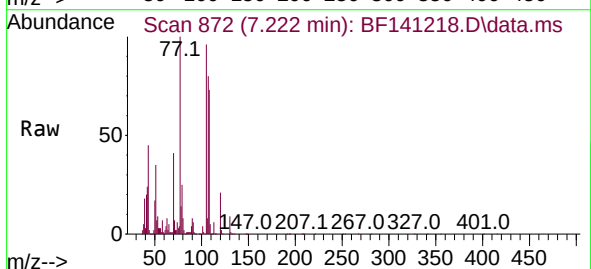
APPROVED

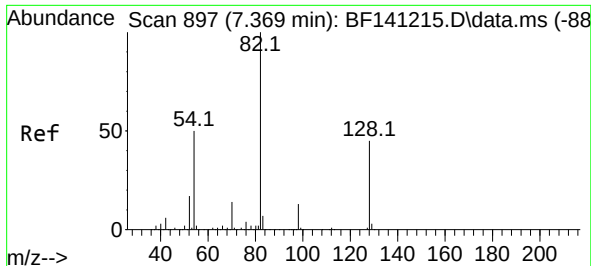
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#22
Acetophenone
Concen: 47.760 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:105 Resp: 744694
Ion Ratio Lower Upper
105 100
71 7.0 7.1 10.7#
51 36.1 25.4 38.2
120 22.3 18.0 27.0





#23

Nitrobenzene-d5

Concen: 94.673 ng

RT: 7.375 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

Tgt Ion: 82 Resp: 1171438

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

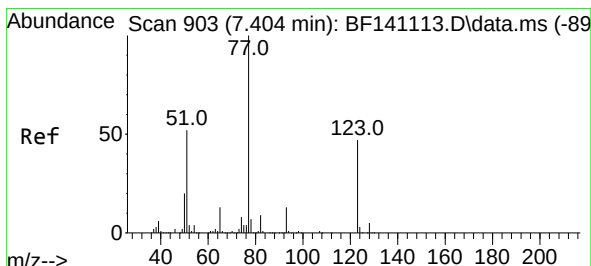
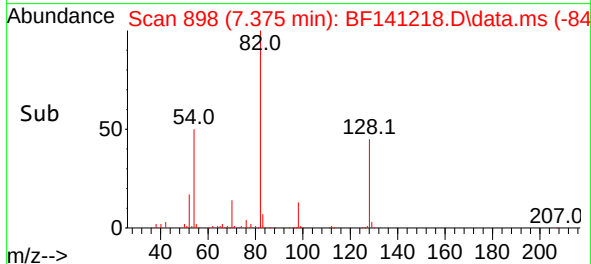
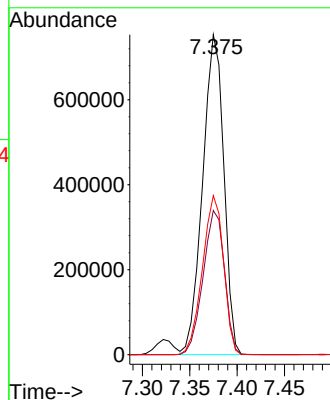
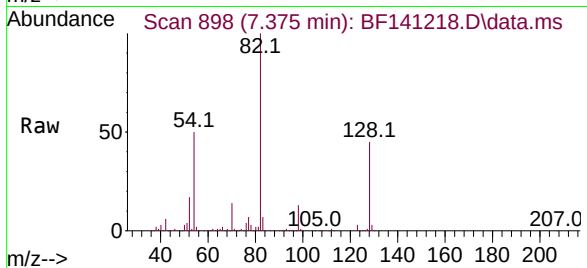
54 49.7 41.0 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#24

Nitrobenzene

Concen: 45.745 ng

RT: 7.392 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

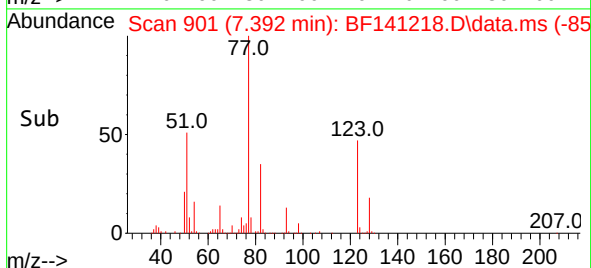
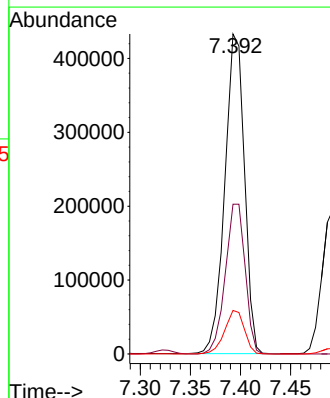
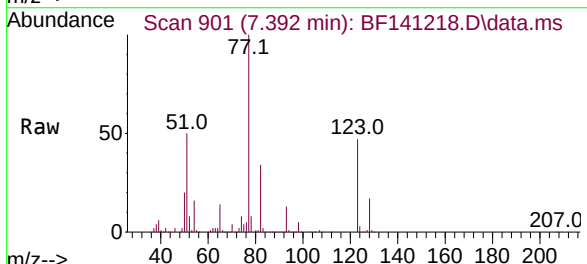
Tgt Ion: 77 Resp: 589914

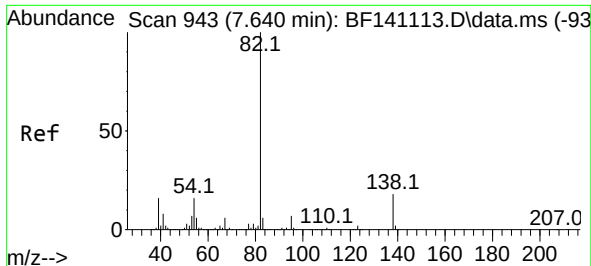
Ion Ratio Lower Upper

77 100

123 46.8 37.7 56.5

65 13.6 10.6 16.0





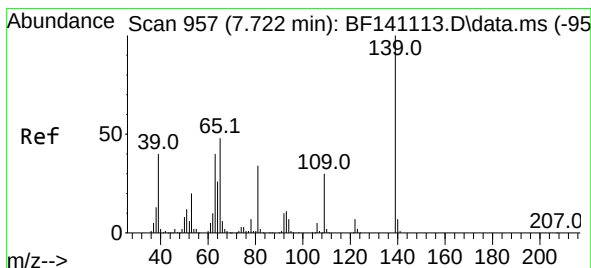
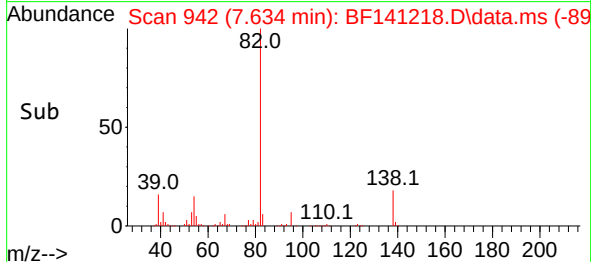
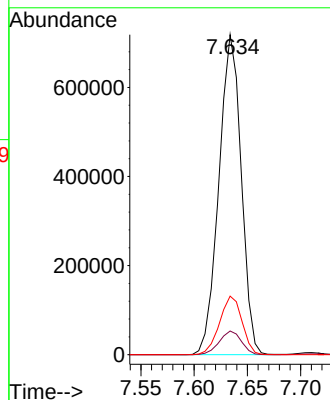
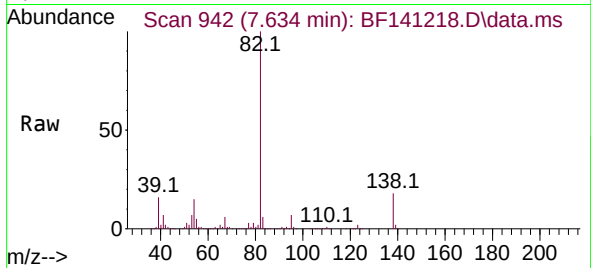
#25
Isophorone
Concen: 49.430 ng
RT: 7.634 min Scan# 943
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 82 Resp: 1045230
Ion Ratio Lower Upper
82 100
95 7.4 5.9 8.9
138 18.3 14.2 21.2

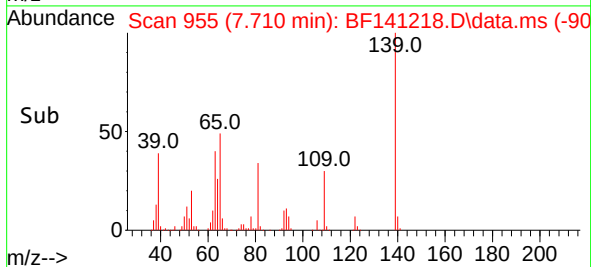
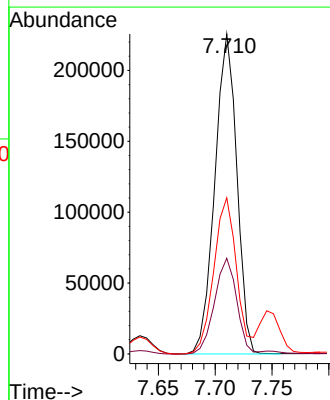
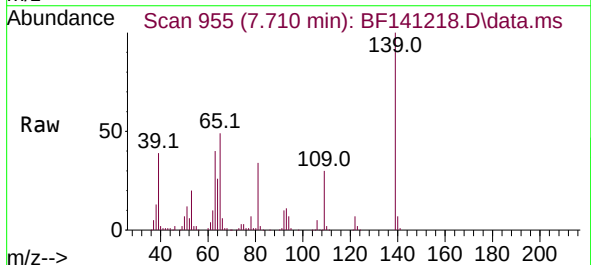
Manual Integrations
APPROVED

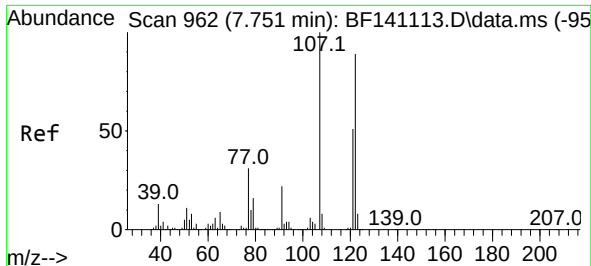
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#26
2-Nitrophenol
Concen: 51.845 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:139 Resp: 304130
Ion Ratio Lower Upper
139 100
109 29.9 23.8 35.6
65 48.8 38.5 57.7





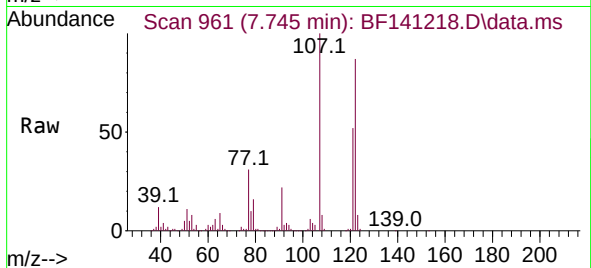
#27
2,4-Dimethylphenol
Concen: 58.330 ng
RT: 7.745 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

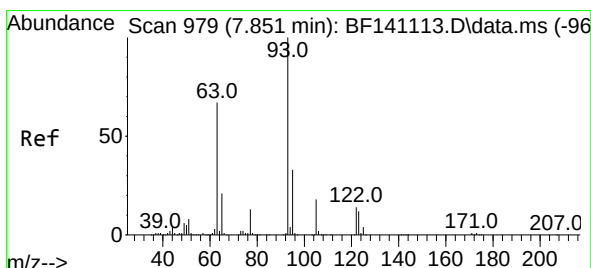
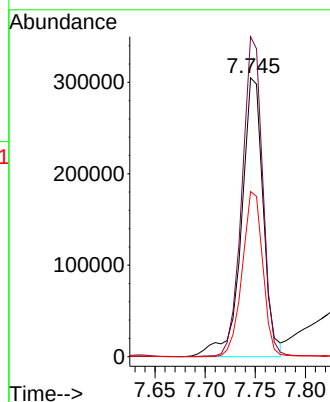
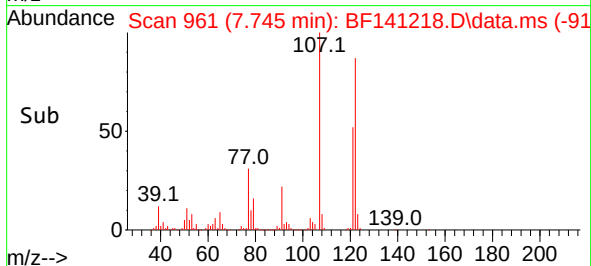


Tgt Ion:122 Resp: 46153
Ion Ratio Lower Upper
122 100
107 114.7 90.3 135.5
121 59.2 46.5 69.7

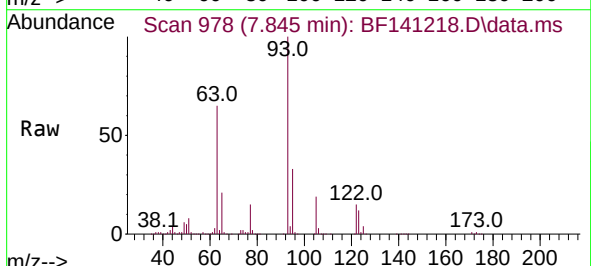
Manual Integrations

APPROVED

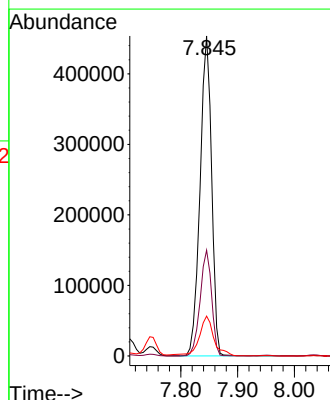
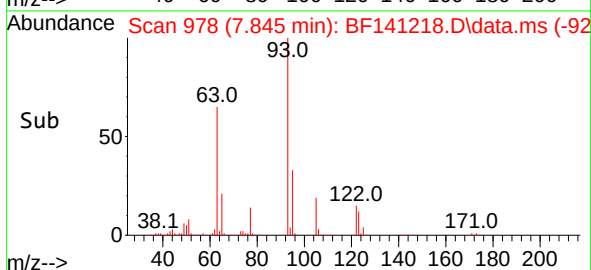
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

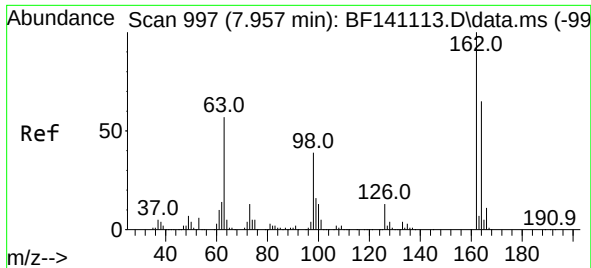


#28
bis(2-Chloroethoxy)methane
Concen: 48.332 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion: 93 Resp: 641396
Ion Ratio Lower Upper
93 100
95 33.1 26.2 39.4
123 12.5 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 50.287 ng

RT: 7.951 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

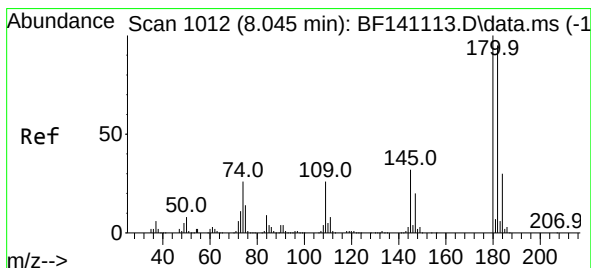
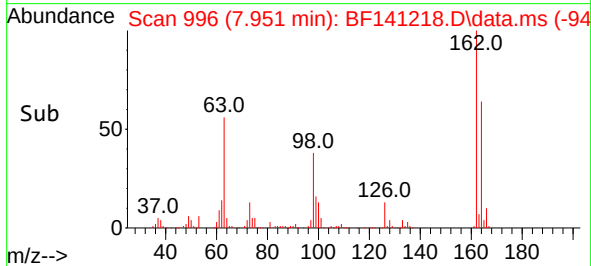
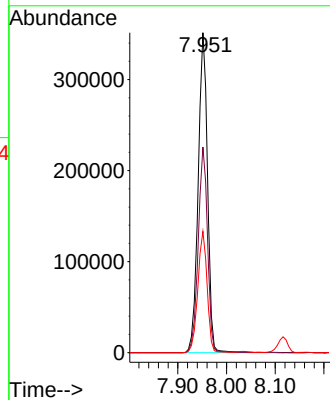
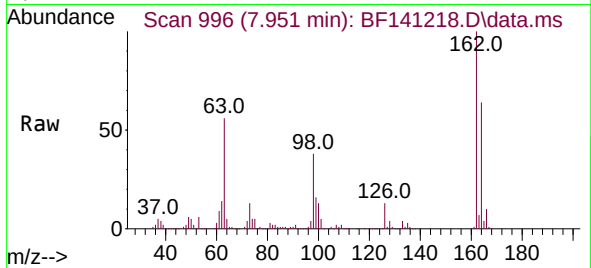
Tgt Ion:162 Resp: 472577
 Ion Ratio Lower Upper
 162 100
 164 64.2 44.5 84.5
 98 37.9 18.5 58.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#30

1,2,4-Trichlorobenzene

Concen: 46.173 ng

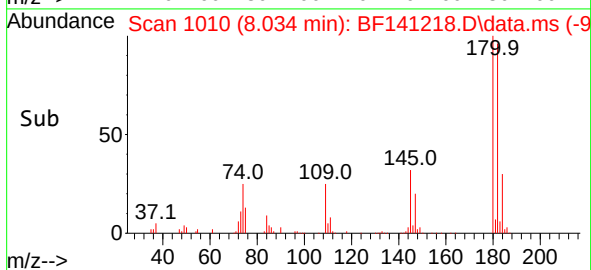
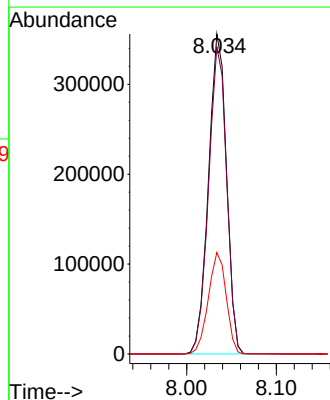
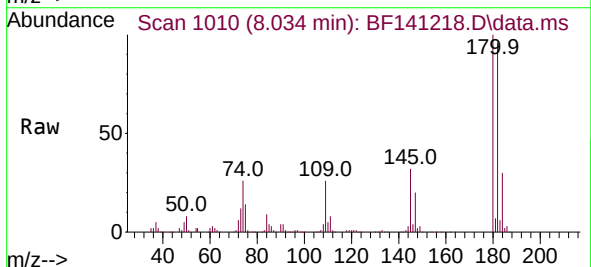
RT: 8.034 min Scan# 1010

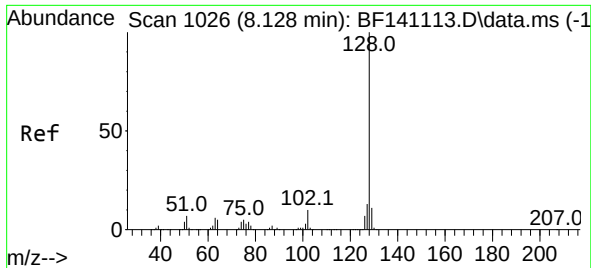
Delta R.T. -0.012 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

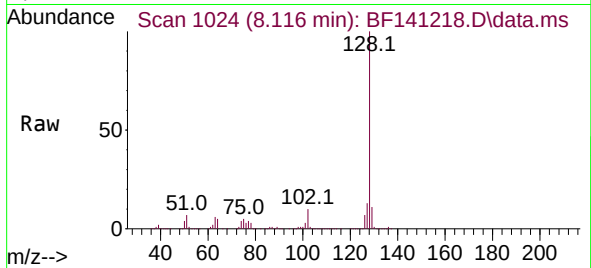
Tgt Ion:180 Resp: 495977
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.2 114.2
 145 31.7 25.3 37.9





#31
Naphthalene
Concen: 47.446 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

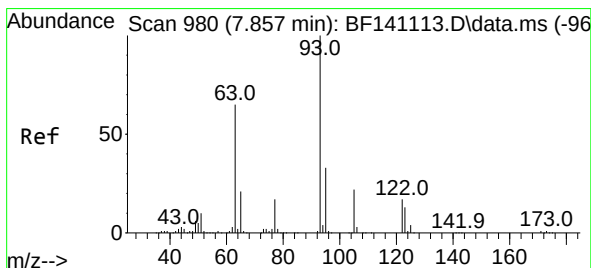
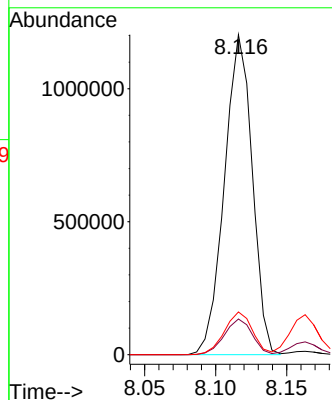
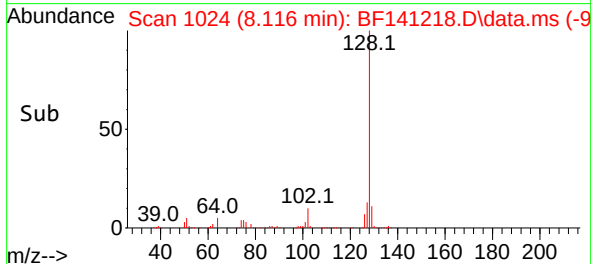
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:128 Resp: 1641128
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.4 10.8 16.2

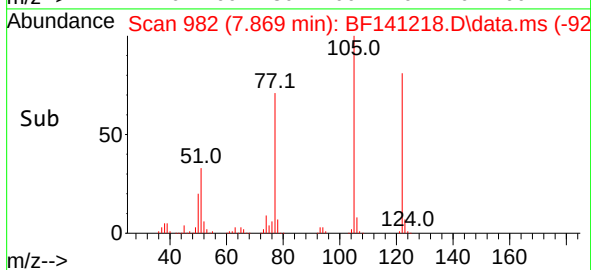
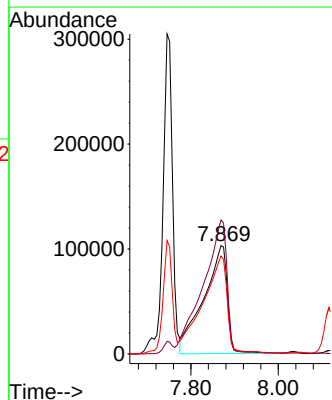
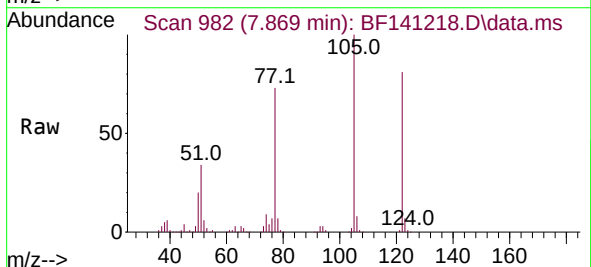
Manual Integrations
APPROVED

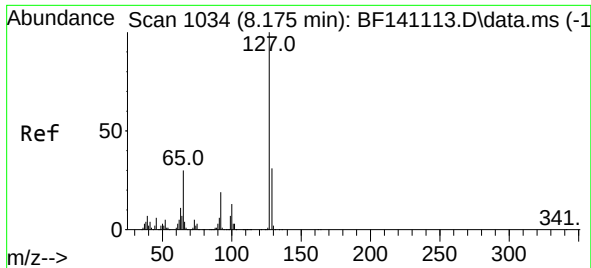
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#32
Benzoic acid
Concen: 50.928 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:122 Resp: 386559
Ion Ratio Lower Upper
122 100
105 123.6 105.5 145.5
77 90.4 75.1 115.1





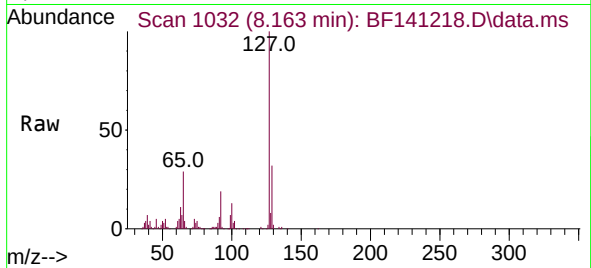
#33
4-Chloroaniline
Concen: 18.166 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS



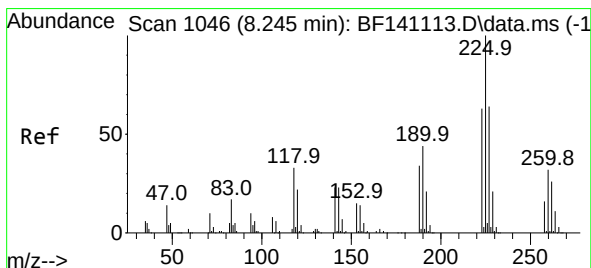
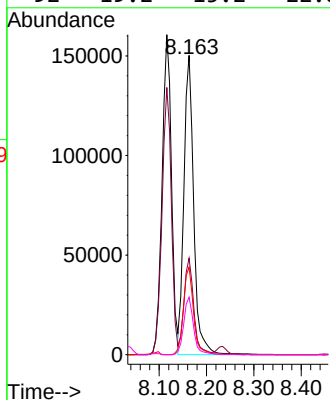
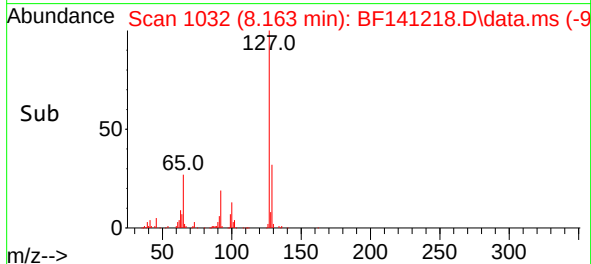
Tgt Ion:127 Resp: 217308
Ion Ratio Lower Upper
127 100
129 32.2 25.9 38.9
65 29.3 23.8 35.8
92 19.2 15.2 22.8

Manual Integrations

APPROVED

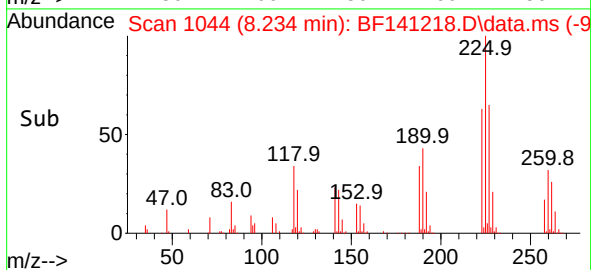
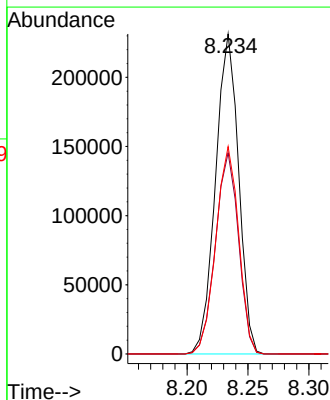
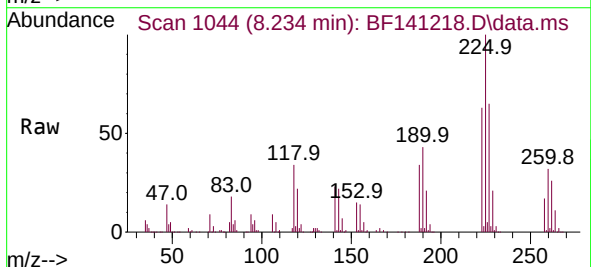
Reviewed By :Yogesh Patel 01/21/2025

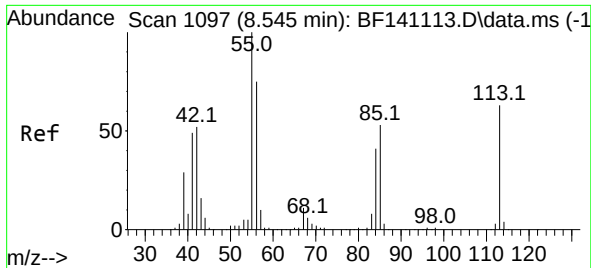
Supervised By :mohammad ahmed 01/21/2025



#34
Hexachlorobutadiene
Concen: 47.180 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

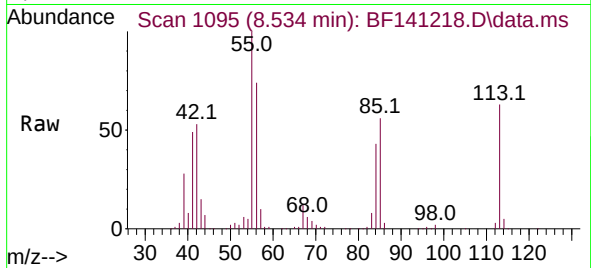
Tgt Ion:225 Resp: 305369
Ion Ratio Lower Upper
225 100
223 62.8 50.6 76.0
227 64.8 51.6 77.4





#35
Caprolactam
Concen: 47.534 ng m
RT: 8.534 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

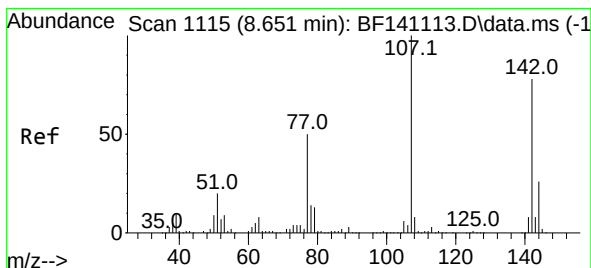
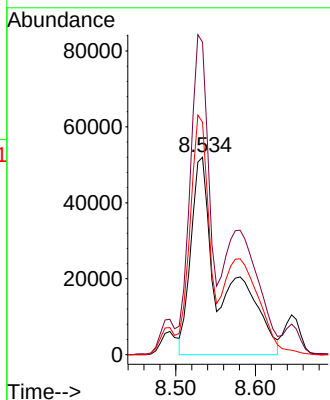
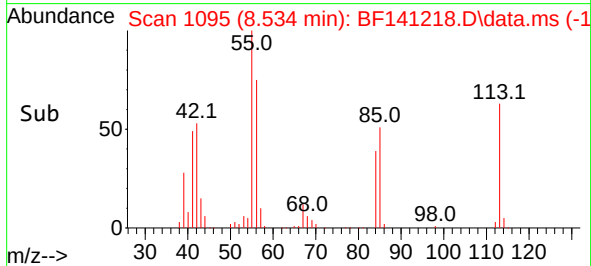
Instrument :
BNA_F
ClientSampleId :
PB166117BS



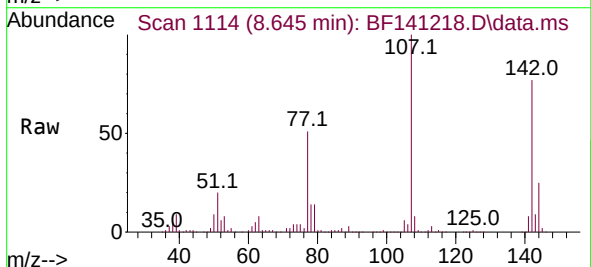
Tgt Ion:113 Resp: 146240
Ion Ratio Lower Upper
113 100
55 158.3 139.7 179.7
56 117.7 99.4 139.4

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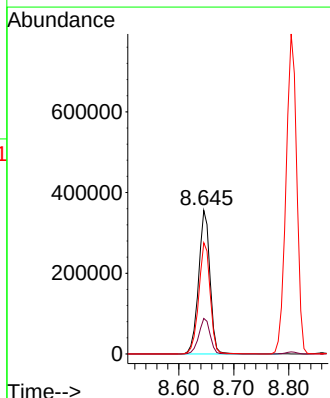
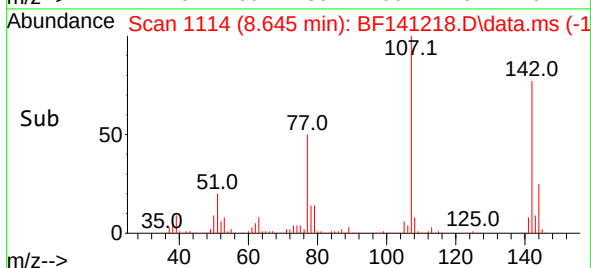
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

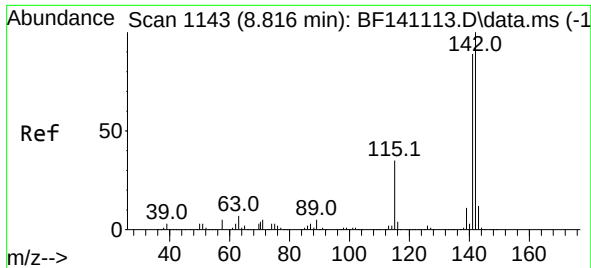


#36
4-Chloro-3-methylphenol
Concen: 49.770 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:107 Resp: 511507
Ion Ratio Lower Upper
107 100
144 24.7 20.4 30.6
142 77.5 62.2 93.2





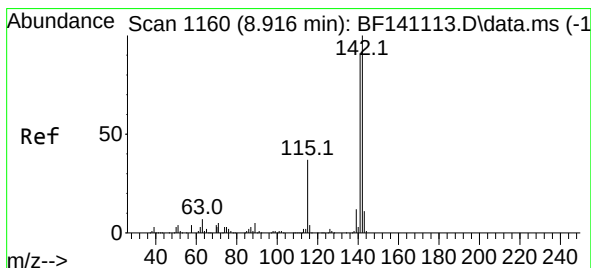
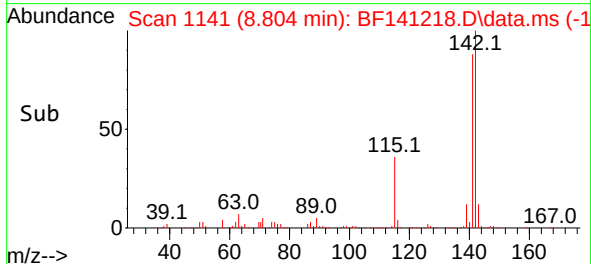
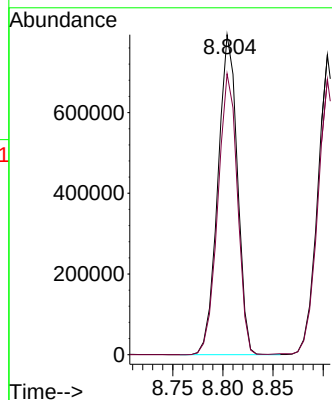
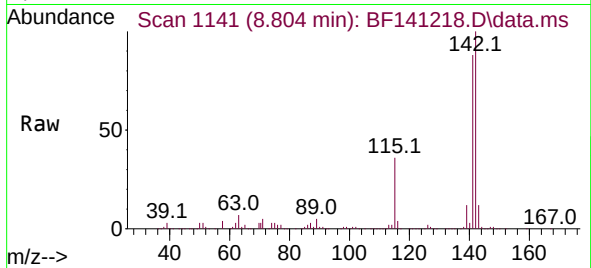
#37
2-Methylnaphthalene
Concen: 48.523 ng
RT: 8.804 min Scan# 1141
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:142 Resp: 1069518
Ion Ratio Lower Upper
142 100
141 87.8 71.3 106.9

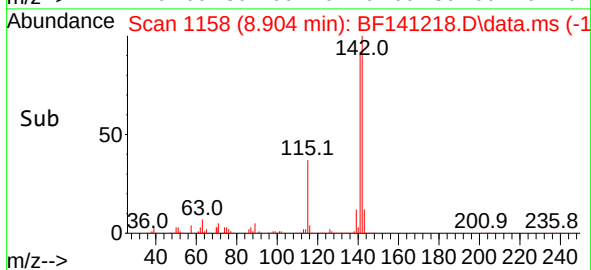
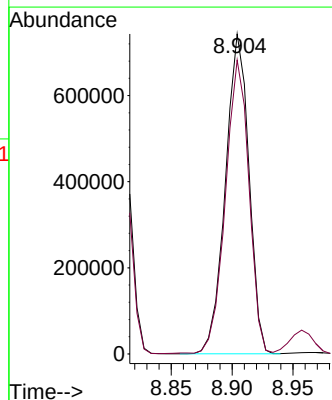
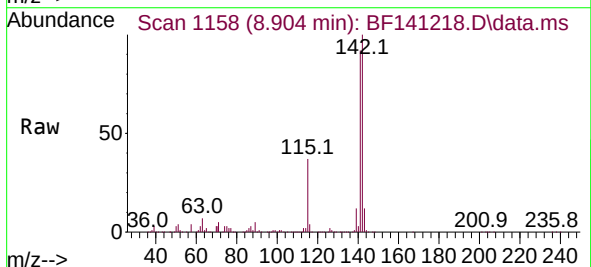
Manual Integrations
APPROVED

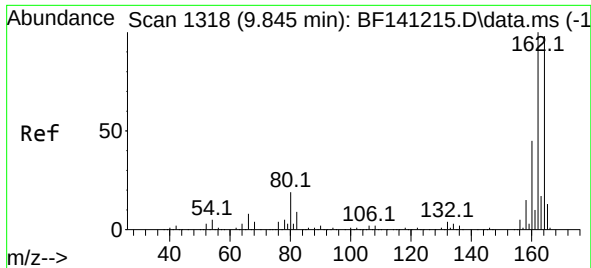
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#38
1-Methylnaphthalene
Concen: 45.825 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:142 Resp: 995441
Ion Ratio Lower Upper
142 100
141 91.9 73.1 109.7





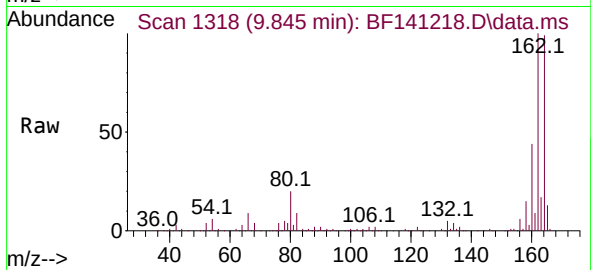
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

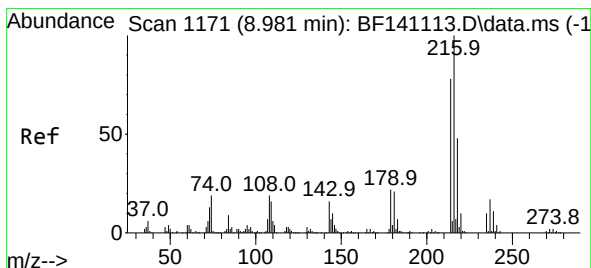
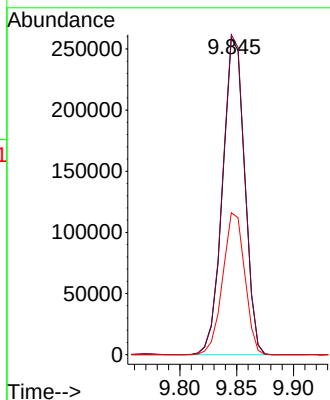
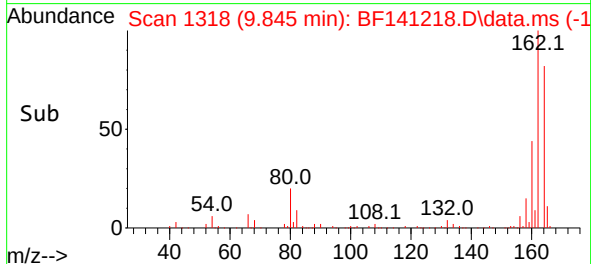
PB166117BS



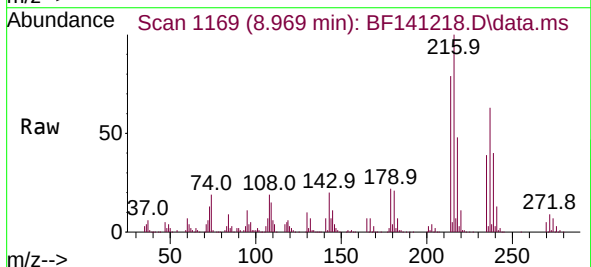
Tgt Ion:164 Resp: 349277
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 44.8 36.1 54.1

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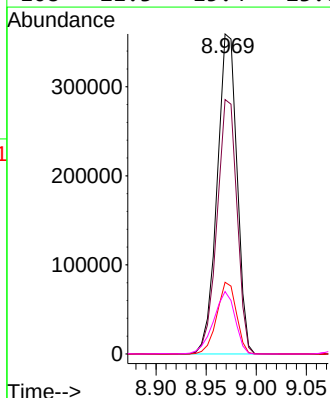
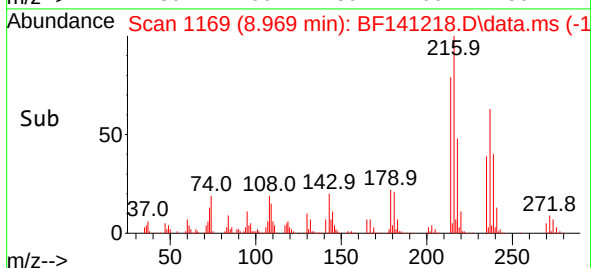
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

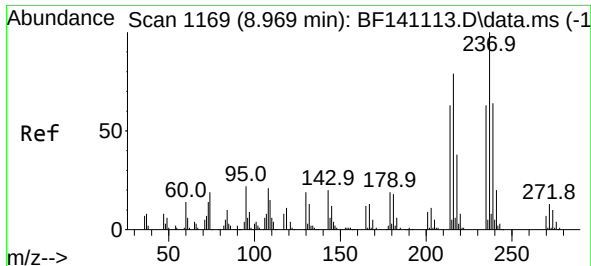


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.325 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:216 Resp: 494483
Ion Ratio Lower Upper
216 100
214 79.5 62.6 94.0
179 22.0 17.7 26.5
108 21.3 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 187.813 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

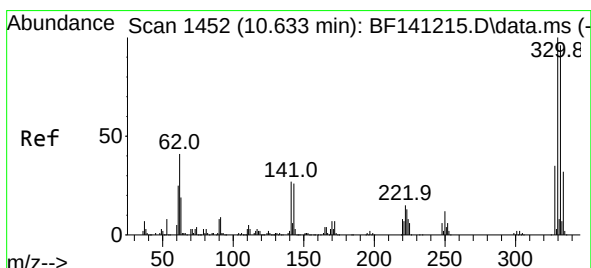
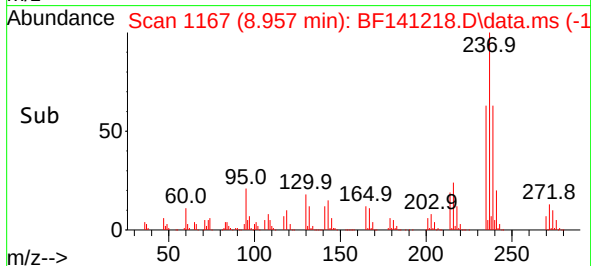
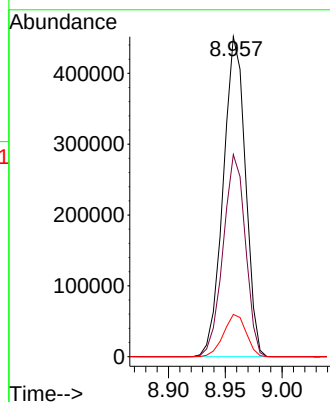
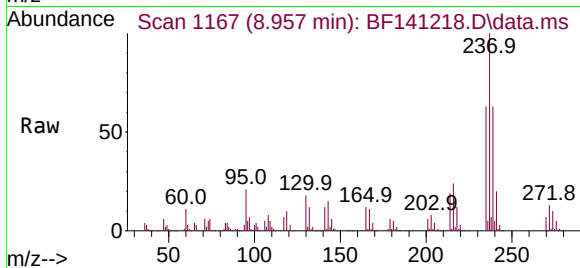
PB166117BS

Tgt Ion:237 Resp: 61599
Ion Ratio Lower Upper
237 100
235 63.2 43.0 83.0
272 13.2 0.0 33.0

Manual Integrations

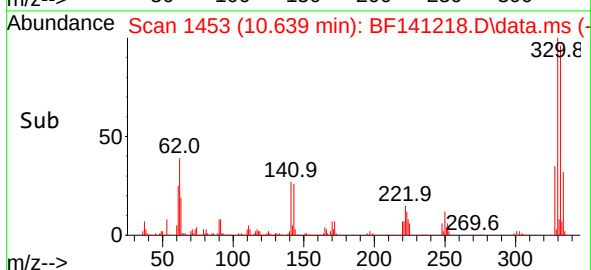
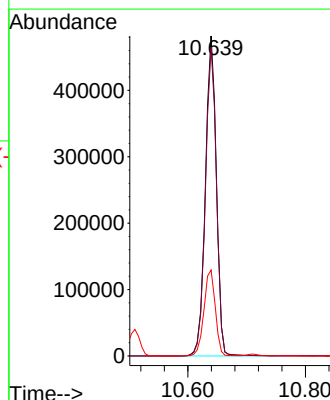
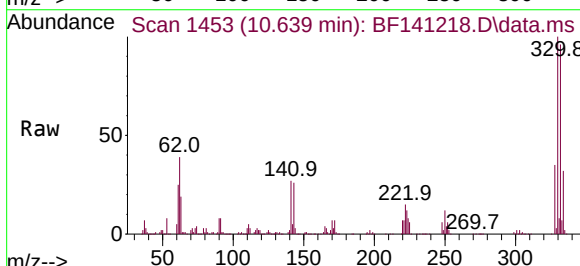
APPROVED

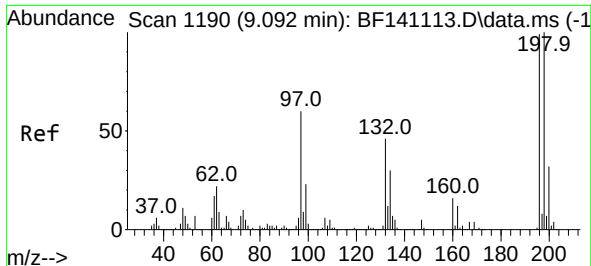
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#42
2,4,6-Tribromophenol
Concen: 157.484 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

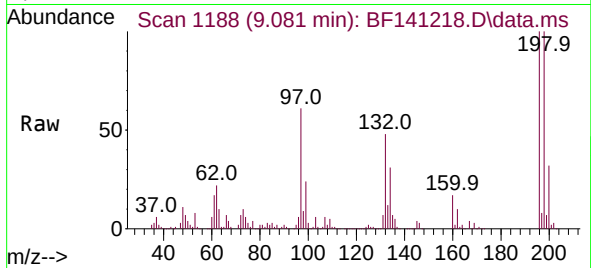
Tgt Ion:330 Resp: 626751
Ion Ratio Lower Upper
330 100
332 96.6 76.9 115.3
141 27.8 25.2 37.8





#43
2,4,6-Trichlorophenol
Concen: 51.332 ng
RT: 9.081 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

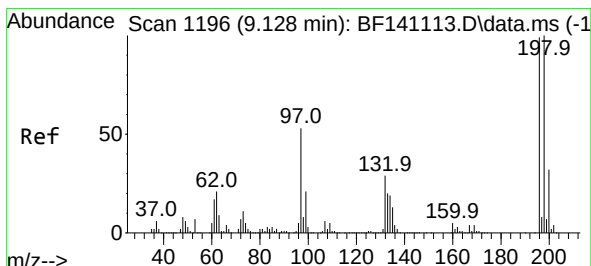
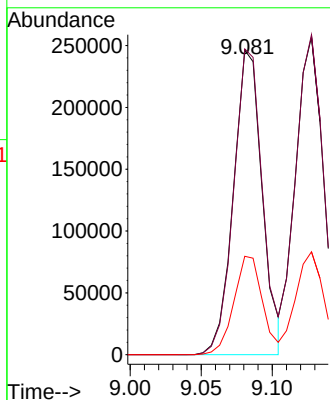
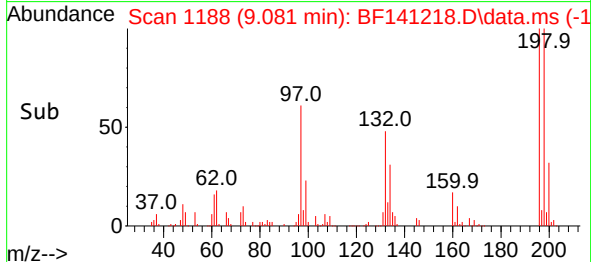
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:196 Resp: 347068
Ion Ratio Lower Upper
196 100
198 100.4 80.8 121.2
200 32.3 25.7 38.5

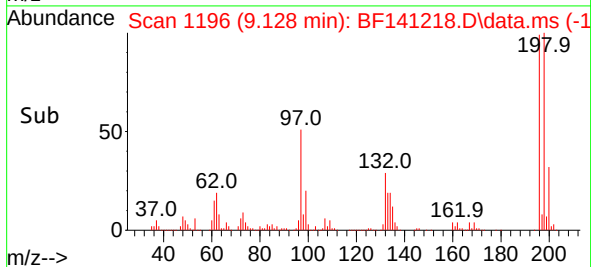
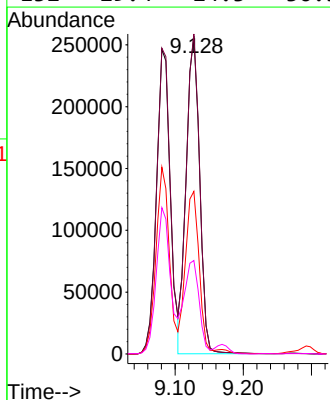
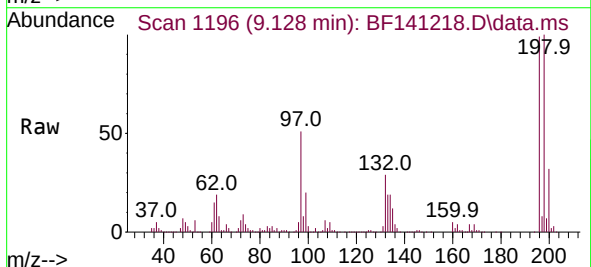
Manual Integrations
APPROVED

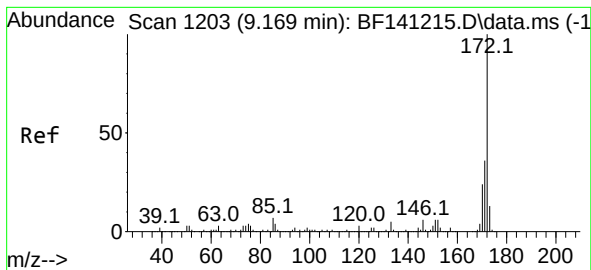
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#44
2,4,5-Trichlorophenol
Concen: 49.232 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

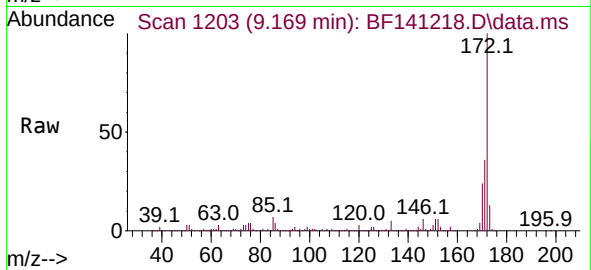
Tgt Ion:196 Resp: 351551
Ion Ratio Lower Upper
196 100
198 100.7 80.6 120.8
97 51.2 43.1 64.7
132 29.4 24.3 36.5





#45
2-Fluorobiphenyl
Concen: 95.361 ng
RT: 9.169 min Scan# 1203
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

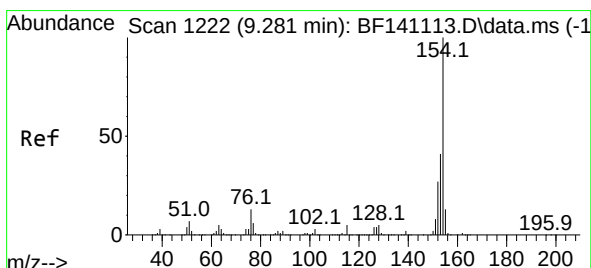
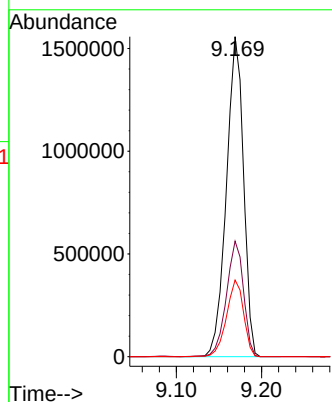
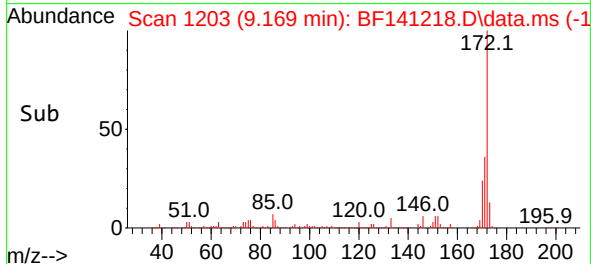
Instrument :
BNA_F
ClientSampleId :
PB166117BS



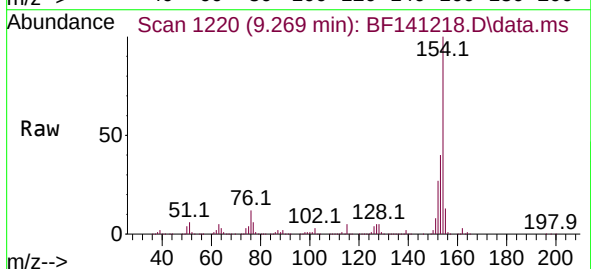
Tgt Ion:172 Resp: 218116
Ion Ratio Lower Upper
172 100
171 36.1 28.7 43.1
170 24.0 19.0 28.6

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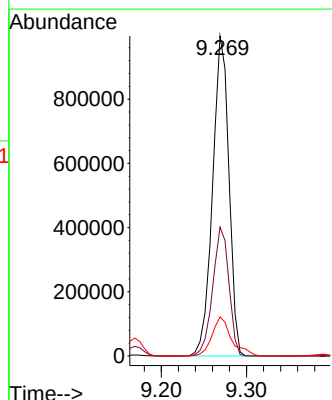
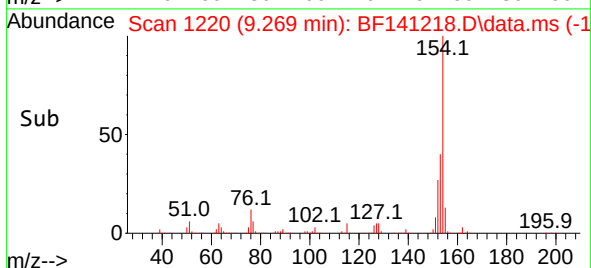
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

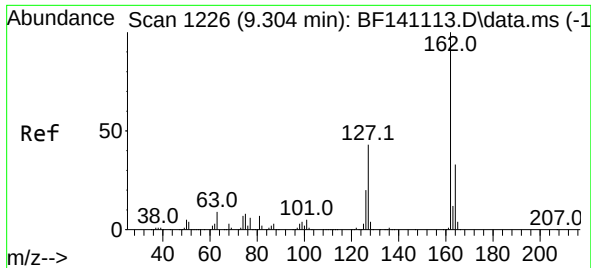


#46
1,1'-Biphenyl
Concen: 48.829 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:154 Resp: 1324467
Ion Ratio Lower Upper
154 100
153 40.3 20.7 60.7
76 12.2 0.0 33.1





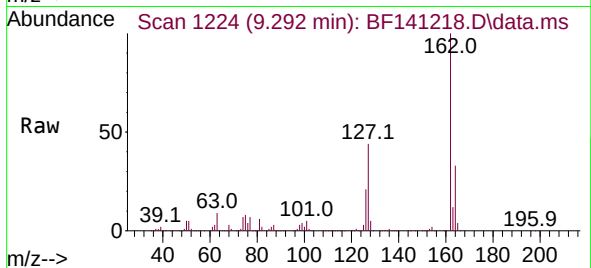
#47
2-Chloronaphthalene
Concen: 47.045 ng
RT: 9.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

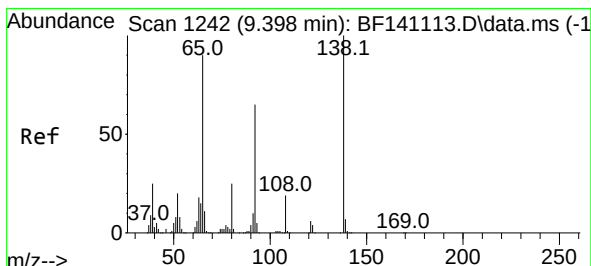
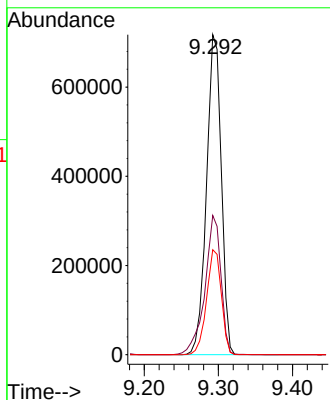
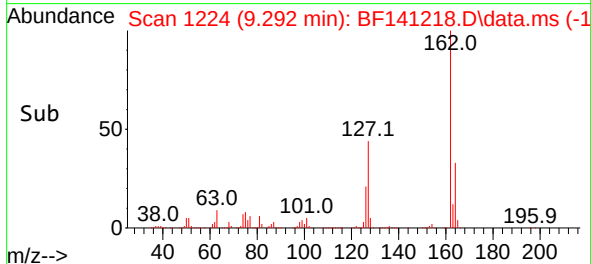
PB166117BS



Tgt Ion:162 Resp: 993920
Ion Ratio Lower Upper
162 100
127 43.5 34.6 51.8
164 32.8 26.5 39.7

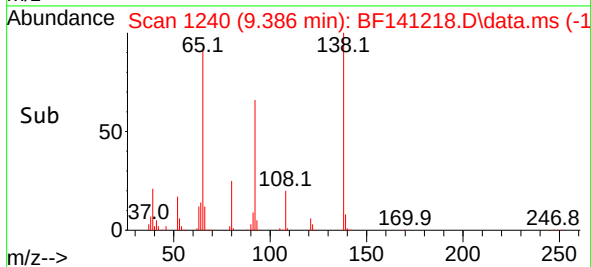
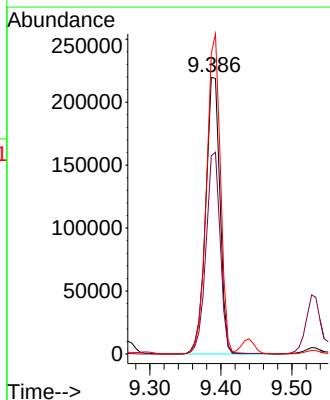
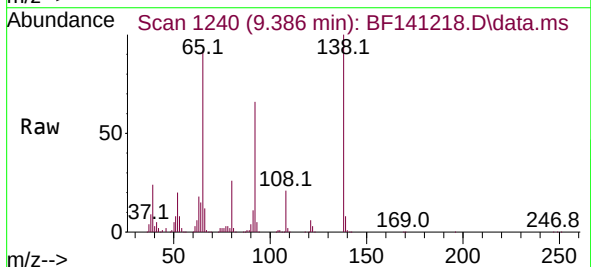
Manual Integrations
APPROVED

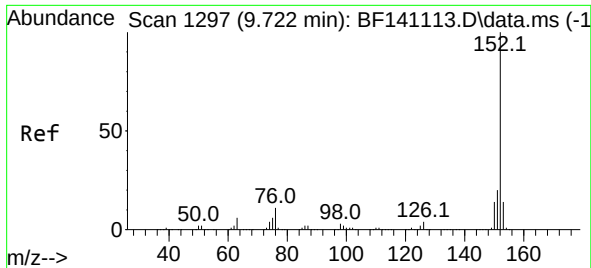
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#48
2-Nitroaniline
Concen: 49.248 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

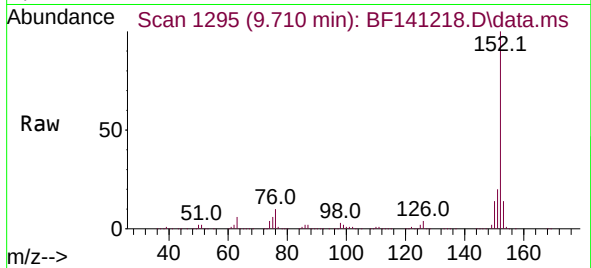
Tgt Ion: 65 Resp: 308424
Ion Ratio Lower Upper
65 100
92 71.6 58.3 87.5
138 108.7 89.1 133.7





#49
Acenaphthylene
Concen: 51.294 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

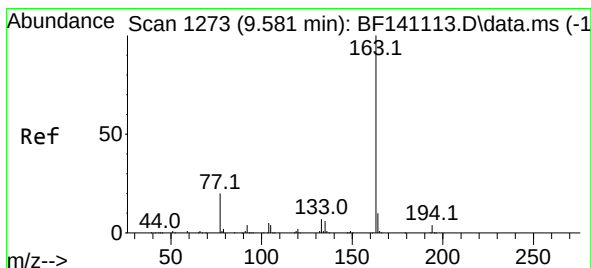
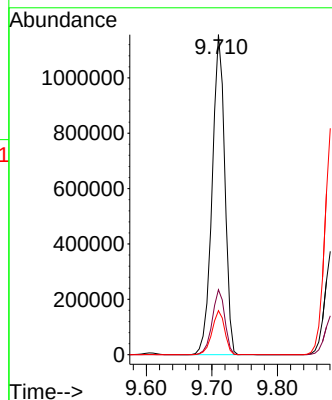
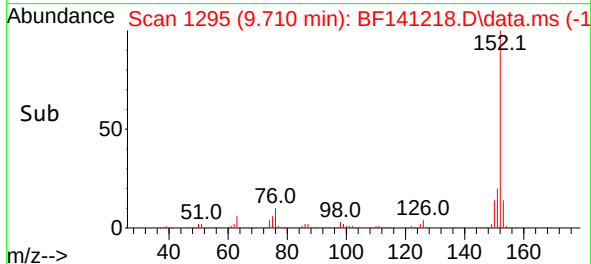
Instrument :
BNA_F
ClientSampleId :
PB166117BS



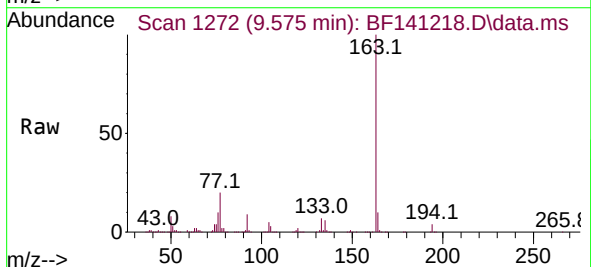
Tgt Ion:152 Resp: 154826
Ion Ratio Lower Upper
152 100
151 20.3 16.1 24.1
153 13.8 11.1 16.7

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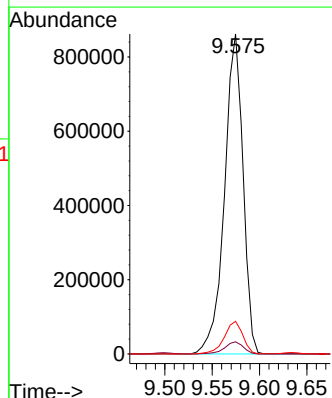
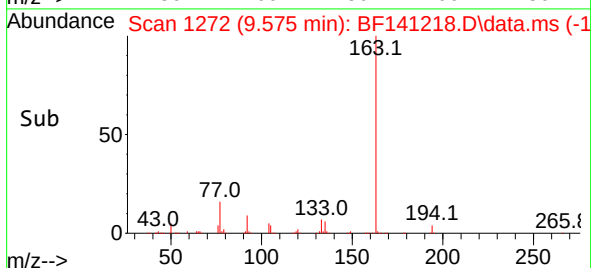
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

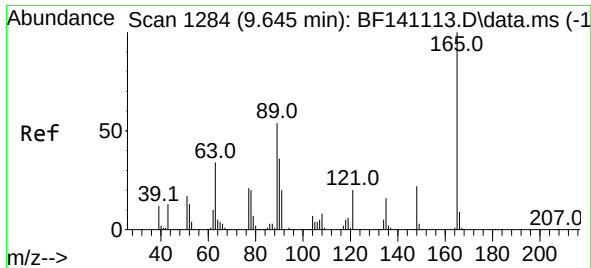


#50
Dimethylphthalate
Concen: 50.025 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



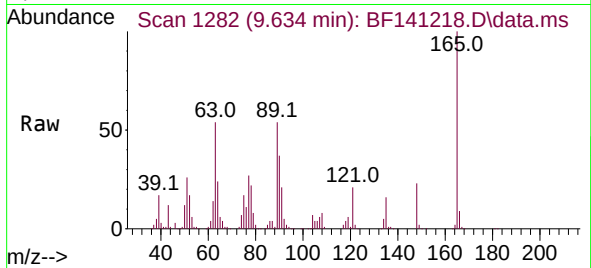
Tgt Ion:163 Resp: 1173008
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.2 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 48.718 ng
RT: 9.634 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

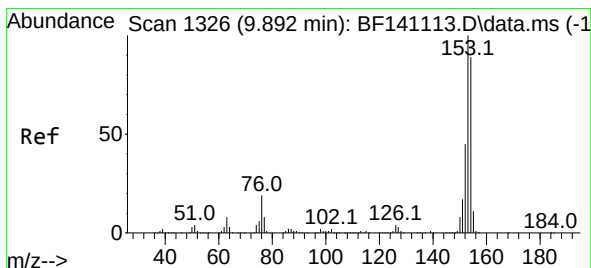
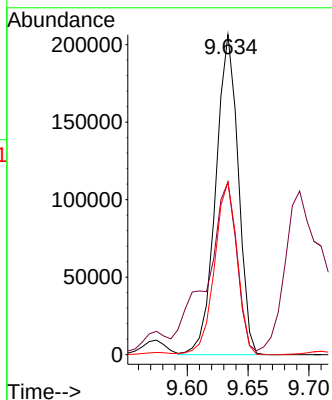
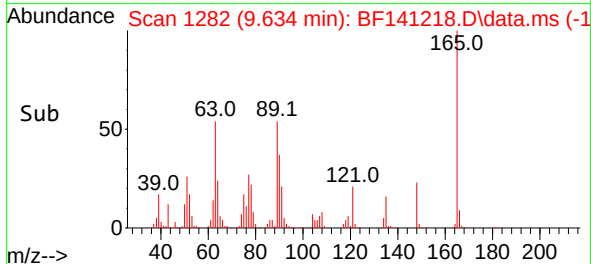
Instrument :
BNA_F
ClientSampleId :
PB166117BS



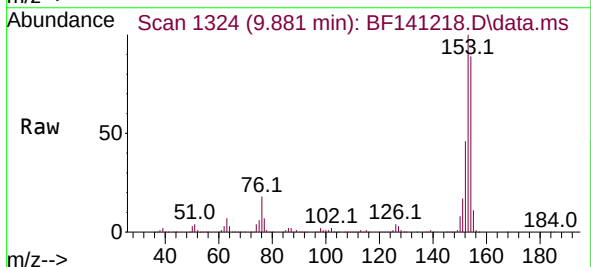
Tgt Ion:165 Resp: 265650
Ion Ratio Lower Upper
165 100
63 53.9 42.3 63.5
89 53.9 43.1 64.7

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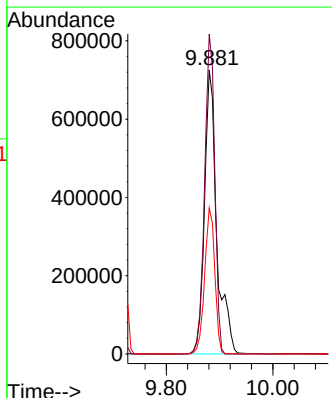
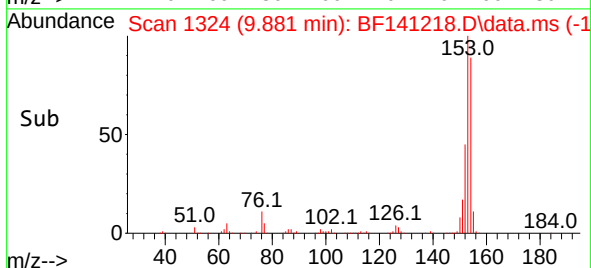
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

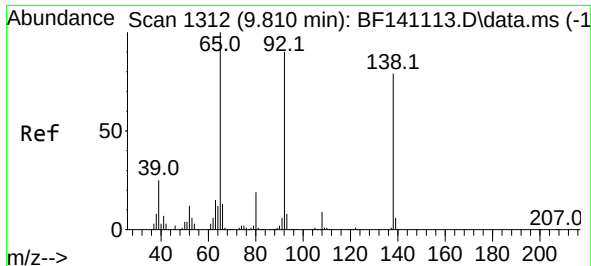


#52
Acenaphthene
Concen: 55.071 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:154 Resp: 1161330
Ion Ratio Lower Upper
154 100
153 112.7 89.8 134.6
152 51.5 40.8 61.2





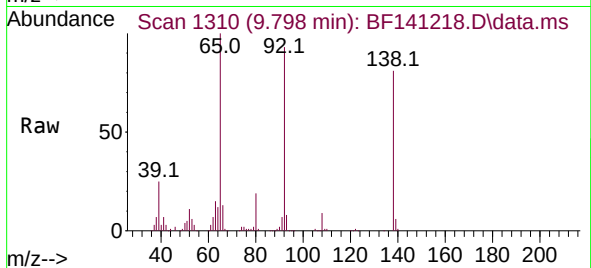
#53
3-Nitroaniline
Concen: 30.011 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

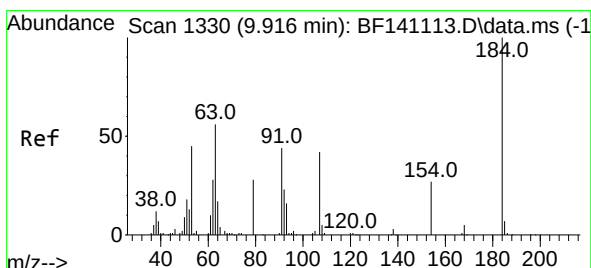
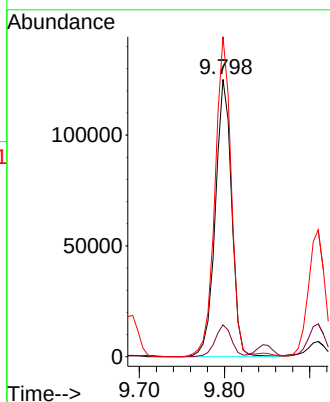
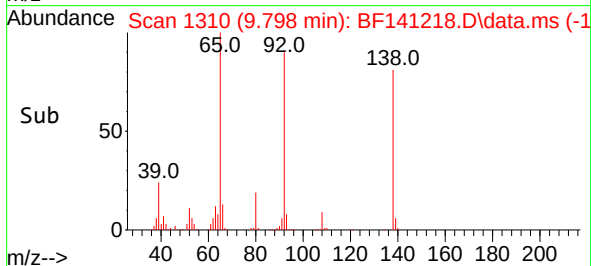


Tgt Ion:138 Resp: 166299
Ion Ratio Lower Upper
138 100
108 11.5 8.8 13.2
92 115.4 91.3 136.9

Manual Integrations

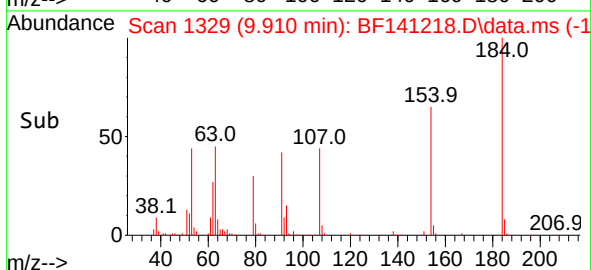
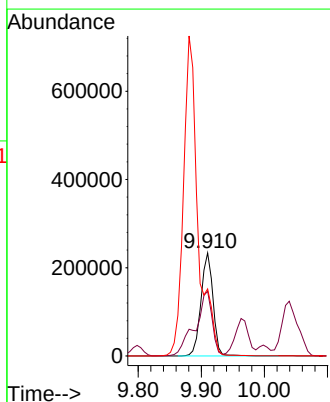
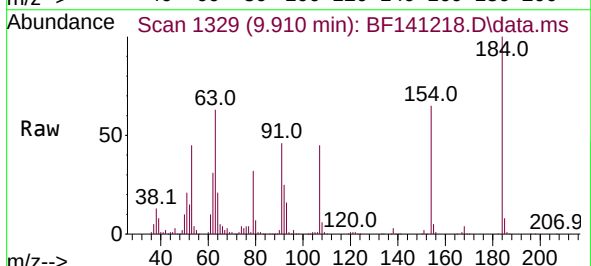
APPROVED

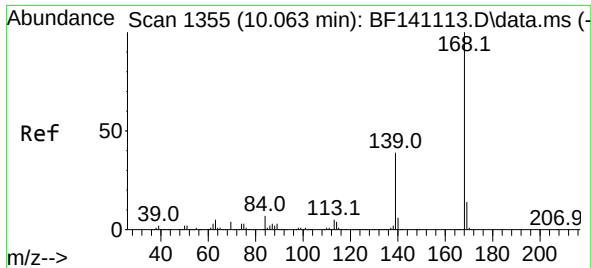
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#54
2,4-Dinitrophenol
Concen: 119.414 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

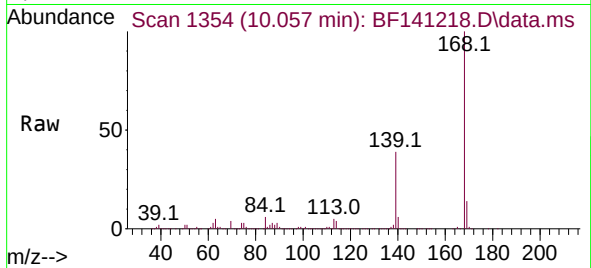
Tgt Ion:184 Resp: 309500
Ion Ratio Lower Upper
184 100
63 62.9 48.7 73.1
154 65.0 57.1 85.7





#55
Dibenzenofuran
Concen: 48.758 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

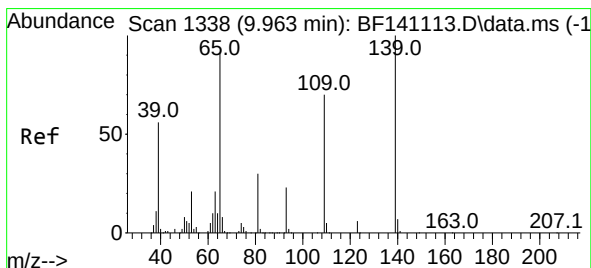
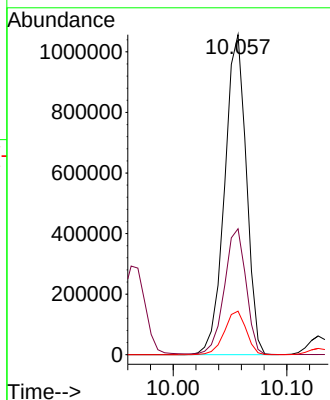
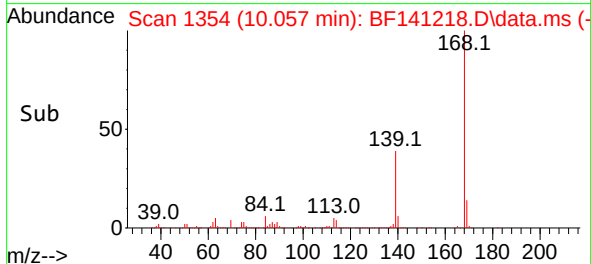
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:168 Resp: 139858
Ion Ratio Lower Upper
168 100
139 39.4 31.4 47.0
169 13.6 10.9 16.3

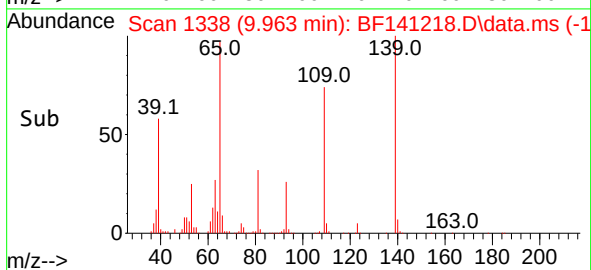
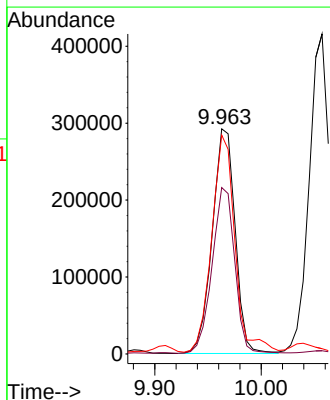
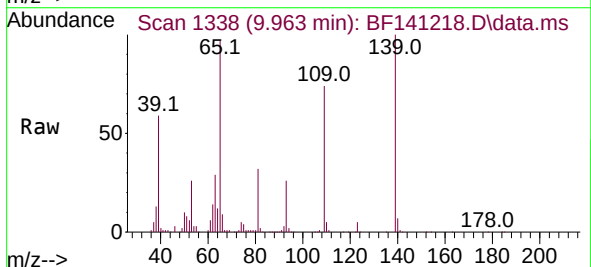
Manual Integrations
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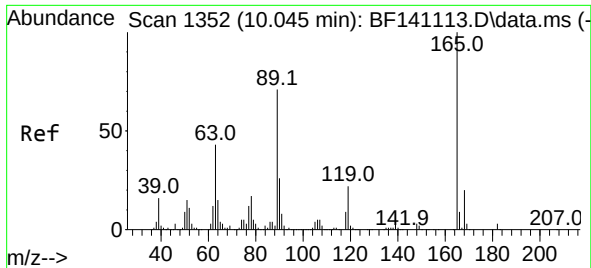
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#56
4-Nitrophenol
Concen: 100.317 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

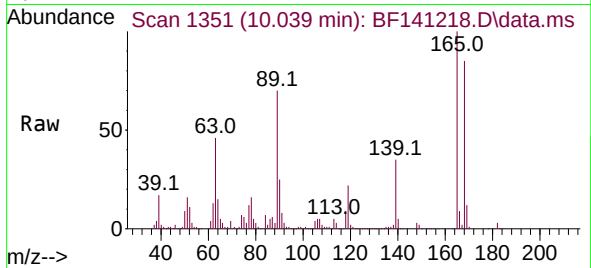
Tgt Ion:139 Resp: 435346
Ion Ratio Lower Upper
139 100
109 73.9 50.2 90.2
65 97.2 72.1 112.1





#57
2,4-Dinitrotoluene
Concen: 51.576 ng
RT: 10.039 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

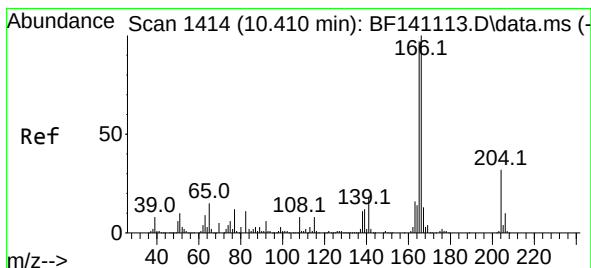
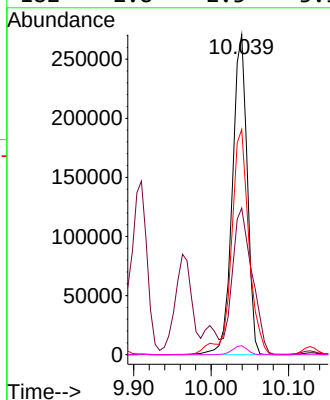
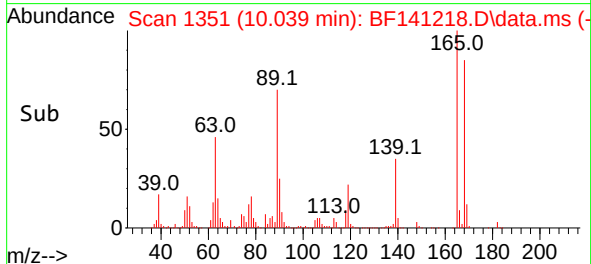
Instrument :
BNA_F
ClientSampleId :
PB166117BS



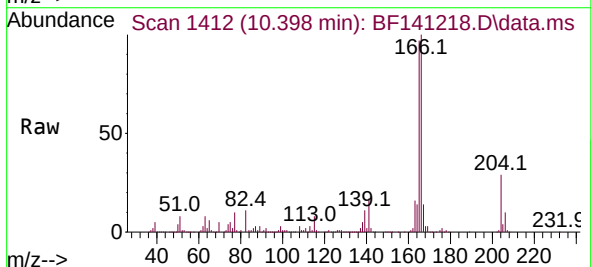
Tgt Ion:165 Resp: 36243
Ion Ratio Lower Upper
165 100
63 45.8 35.0 52.4
89 70.4 56.7 85.1
182 2.8 2.3 3.5

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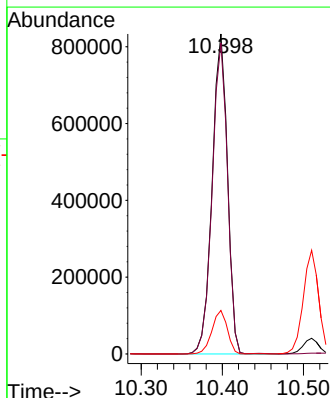
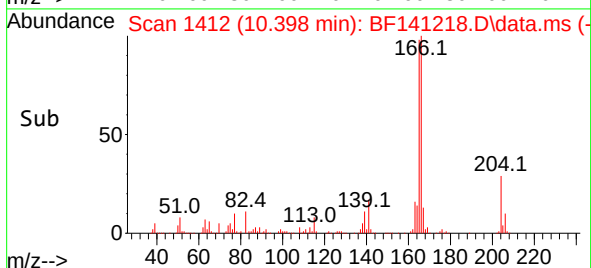
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

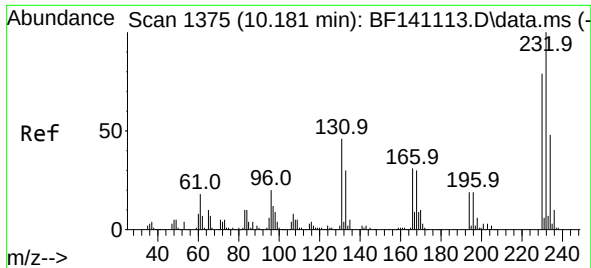


#58
Fluorene
Concen: 48.984 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



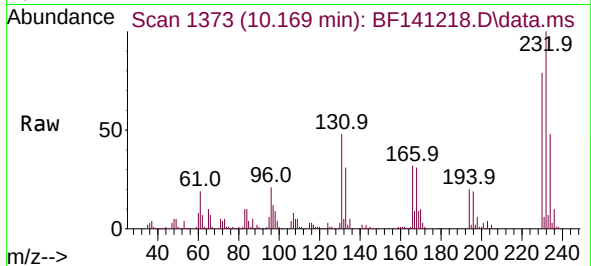
Tgt Ion:166 Resp: 1091586
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.8
167 13.6 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.784 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

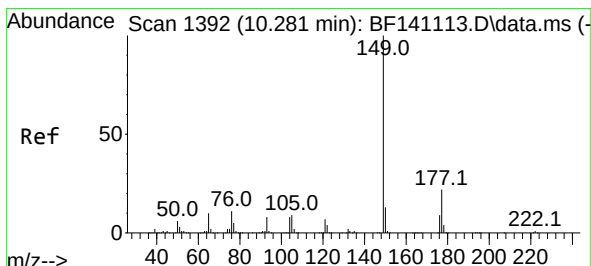
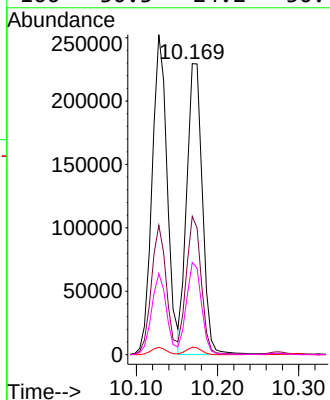
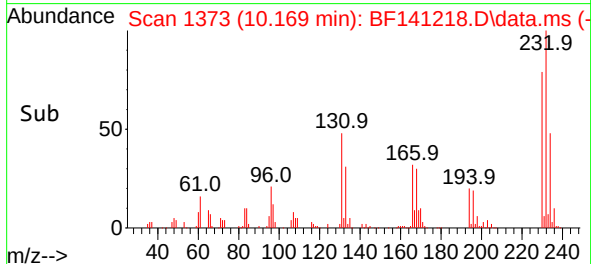
Instrument :
BNA_F
ClientSampleId :
PB166117BS



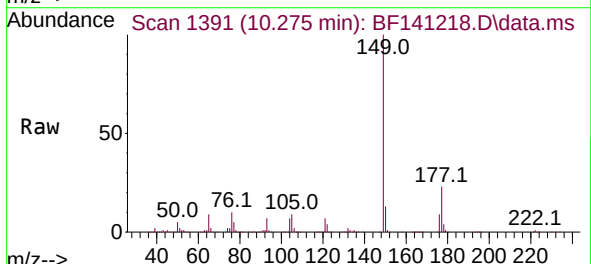
Tgt Ion:232 Resp: 307358
Ion Ratio Lower Upper
232 100
131 45.5 36.2 54.4
130 2.5 2.0 3.0
166 30.3 24.2 36.4

Manual Integrations
APPROVED

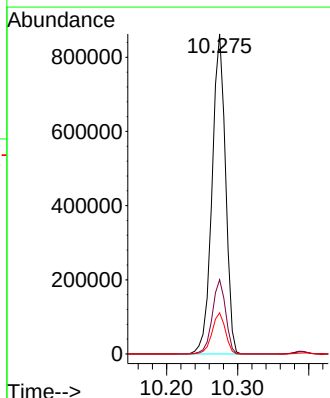
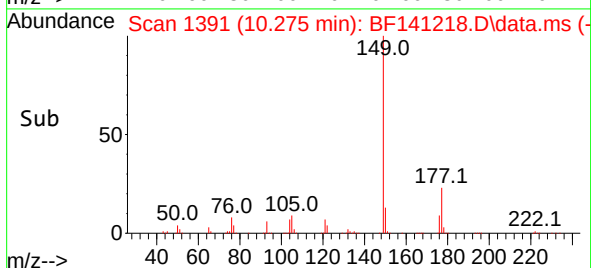
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

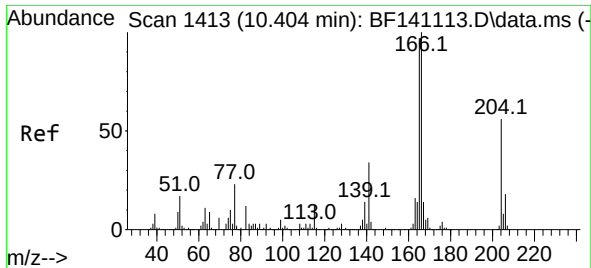


#60
Diethylphthalate
Concen: 49.488 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:149 Resp: 1132863
Ion Ratio Lower Upper
149 100
177 23.2 17.9 26.9
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.001 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

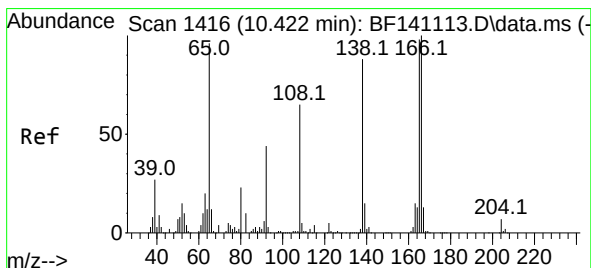
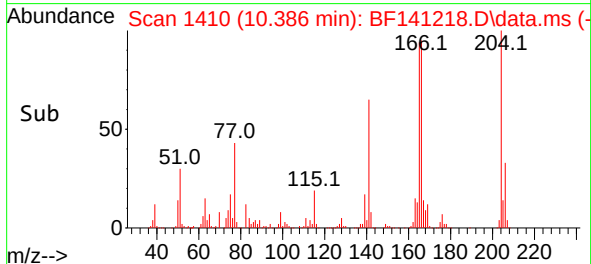
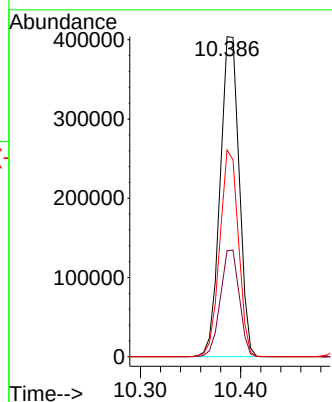
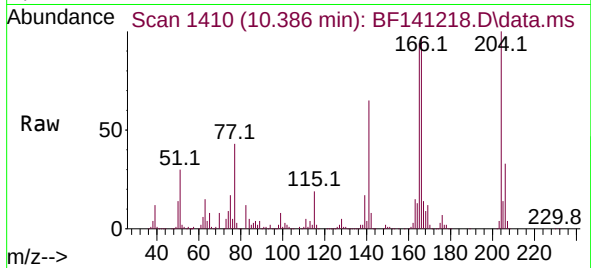
PB166117BS

Tgt Ion:204 Resp: 532210
Ion Ratio Lower Upper
204 100
206 33.1 25.9 38.9
141 64.6 49.1 73.7

Manual Integrations

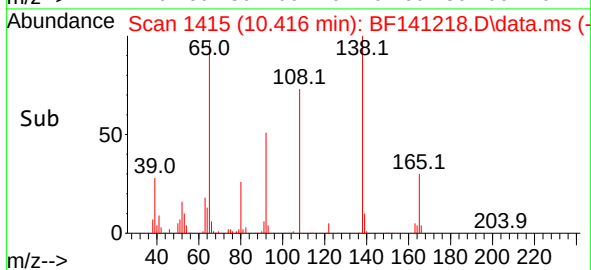
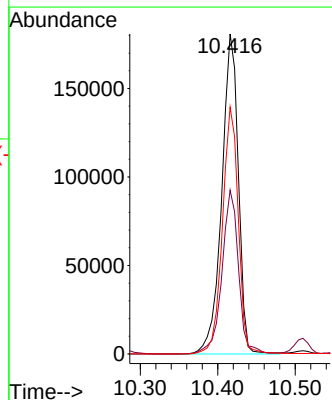
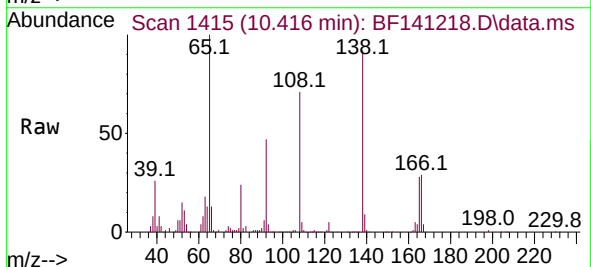
APPROVED

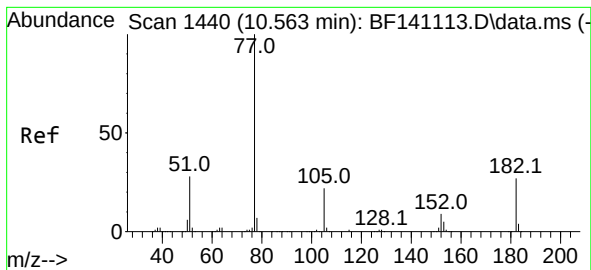
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#62
4-Nitroaniline
Concen: 49.612 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:138 Resp: 269068
Ion Ratio Lower Upper
138 100
92 51.2 29.4 69.4
108 77.2 53.7 93.7





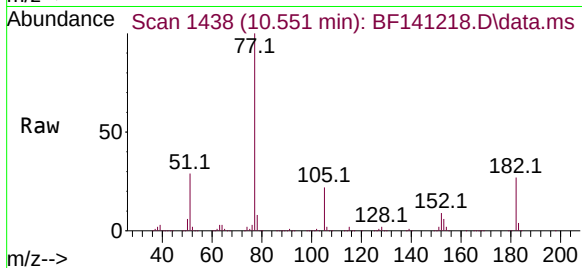
#63
Azobenzene
Concen: 48.914 ng
RT: 10.551 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

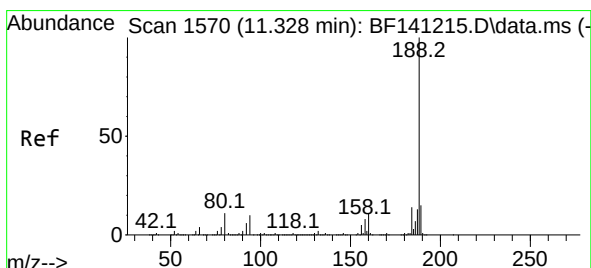
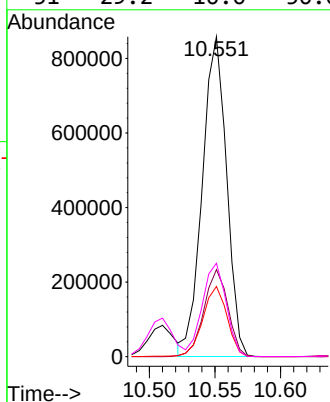
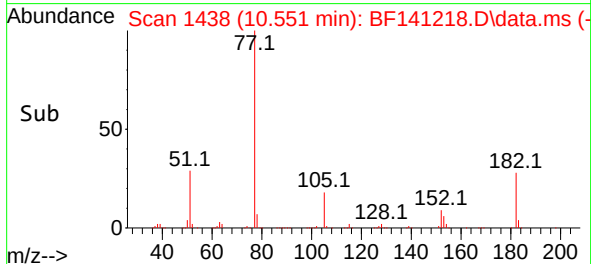


Tgt Ion: 77 Resp: 1104849
Ion Ratio Lower Upper
77 100
182 27.2 6.1 46.1
105 21.9 2.1 42.1
51 29.2 10.0 50.0

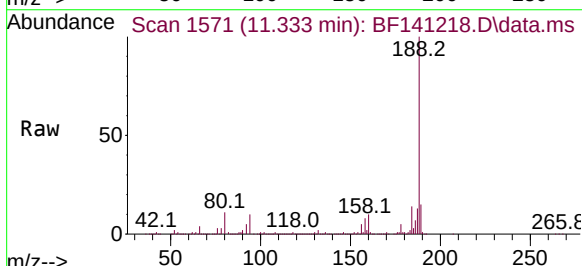
Manual Integrations

APPROVED

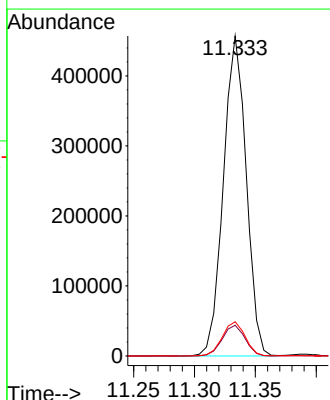
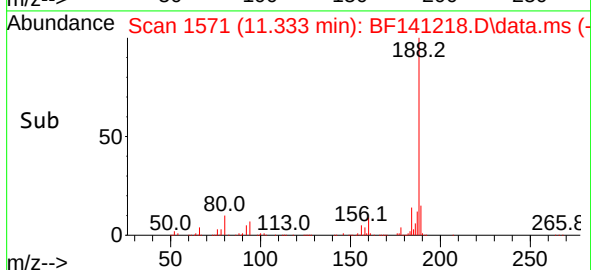
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

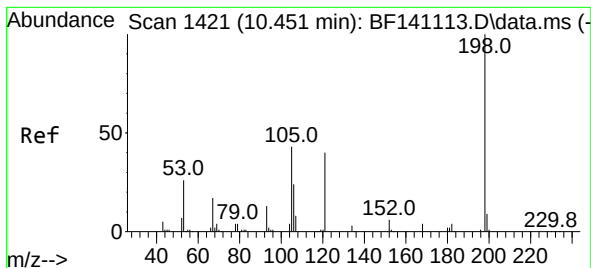


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



Tgt Ion:188 Resp: 596700
Ion Ratio Lower Upper
188 100
94 9.6 8.3 12.5
80 10.7 9.0 13.4





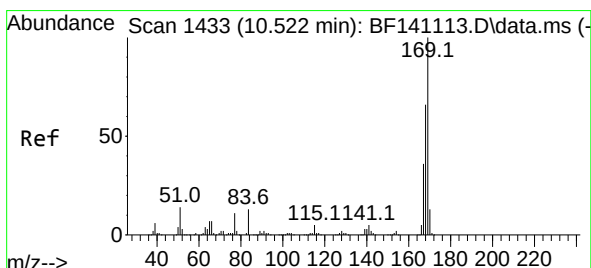
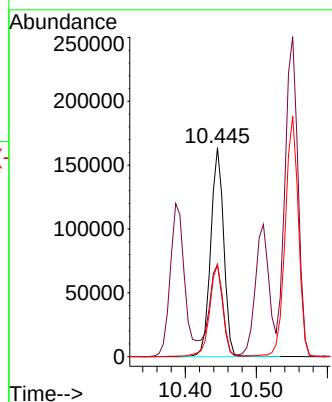
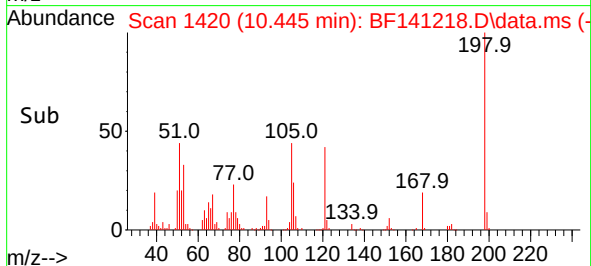
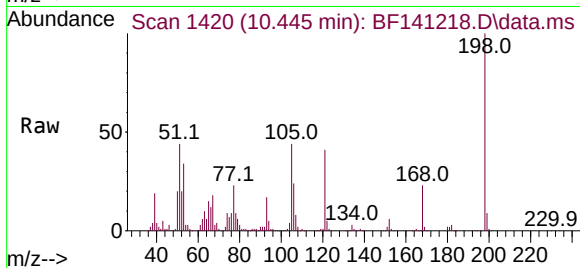
#65
4,6-Dinitro-2-methylphenol
Concen: 60.375 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:198 Resp: 208758
Ion Ratio Lower Upper
198 100
51 44.1 27.1 67.1
105 44.1 24.2 64.2

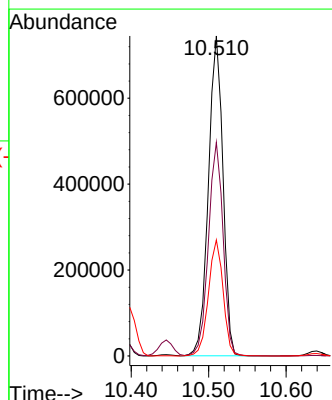
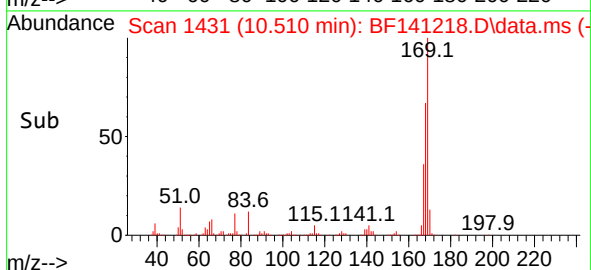
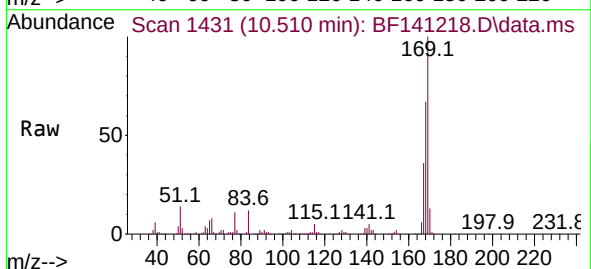
Manual Integrations
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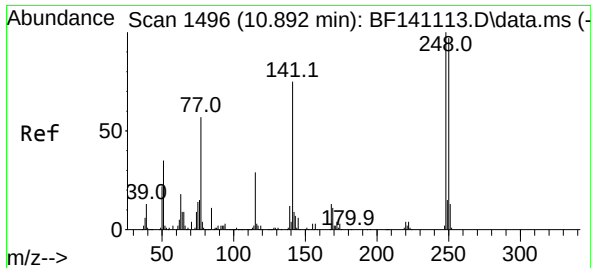
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#66
n-Nitrosodiphenylamine
Concen: 50.372 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

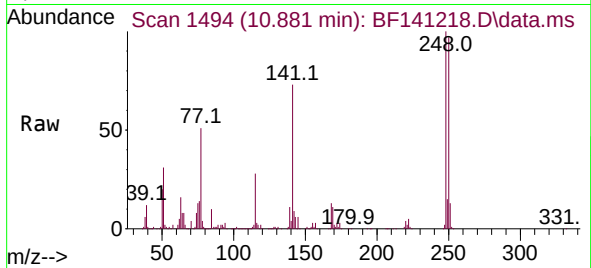
Tgt Ion:169 Resp: 969467
Ion Ratio Lower Upper
169 100
168 66.8 52.5 78.7
167 36.3 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 50.925 ng
RT: 10.881 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

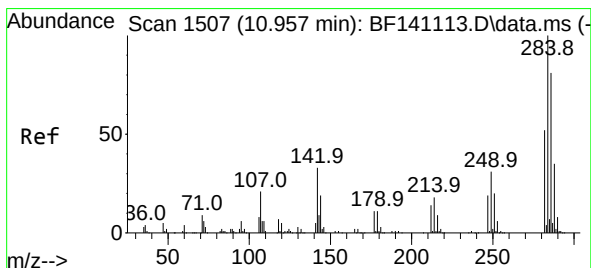
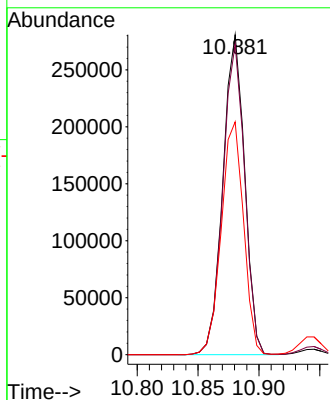
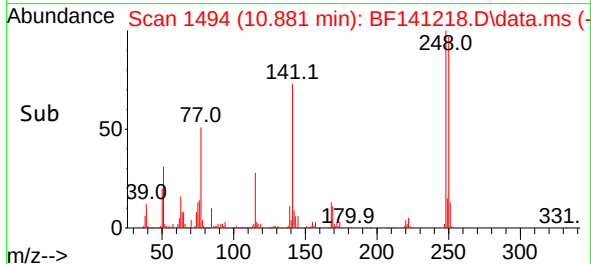
Instrument :
BNA_F
ClientSampleId :
PB166117BS



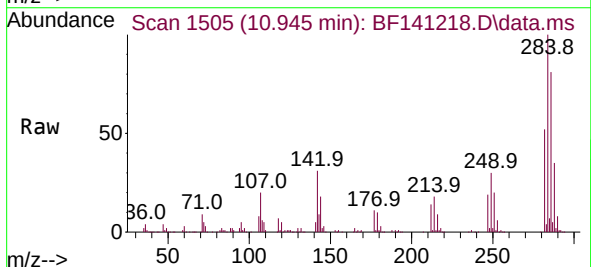
Tgt Ion:248 Resp: 349844
Ion Ratio Lower Upper
248 100
250 97.0 77.9 116.9
141 72.8 59.9 89.9

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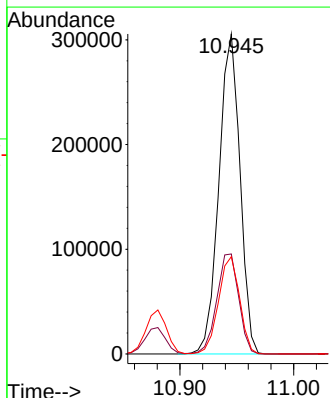
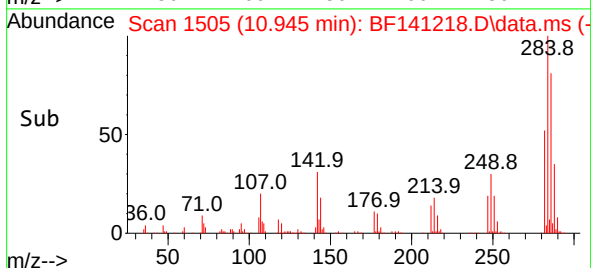
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

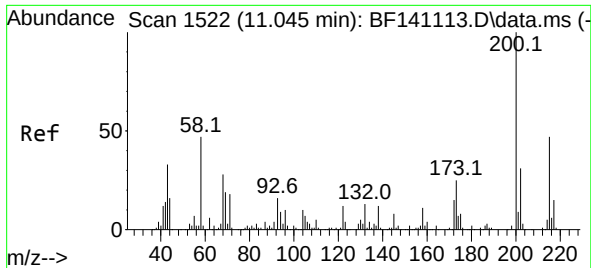


#68
Hexachlorobenzene
Concen: 51.449 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



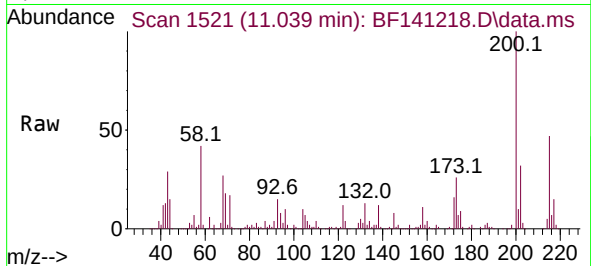
Tgt Ion:284 Resp: 393452
Ion Ratio Lower Upper
284 100
142 31.2 26.3 39.5
249 30.4 24.9 37.3





#69
 Atrazine
 Concen: 64.267 ng
 RT: 11.039 min Scan# 1521
 Delta R.T. -0.006 min
 Lab File: BF141218.D
 Acq: 20 Jan 2025 13:15

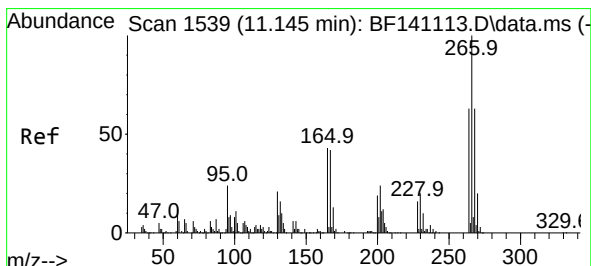
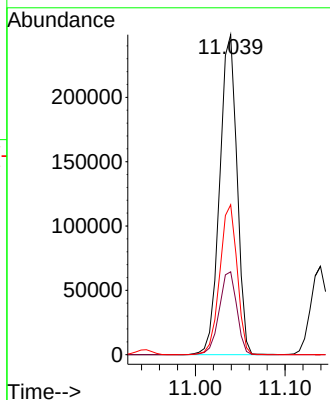
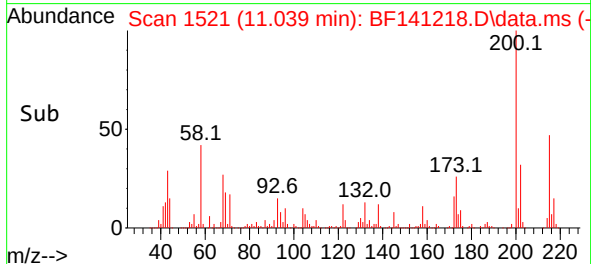
Instrument :
 BNA_F
 ClientSampleId :
 PB166117BS



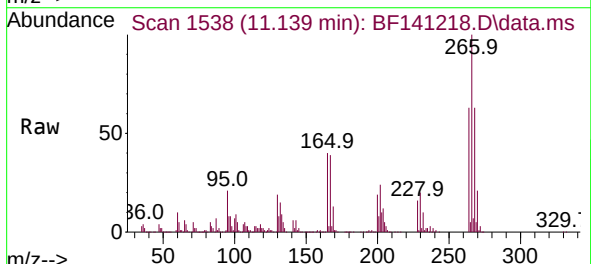
Tgt Ion:200 Resp: 33304
 Ion Ratio Lower Upper
 200 100
 173 25.9 5.4 45.4
 215 46.8 26.6 66.6

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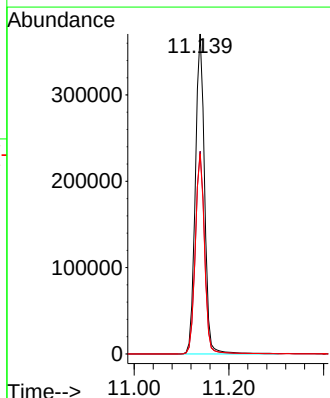
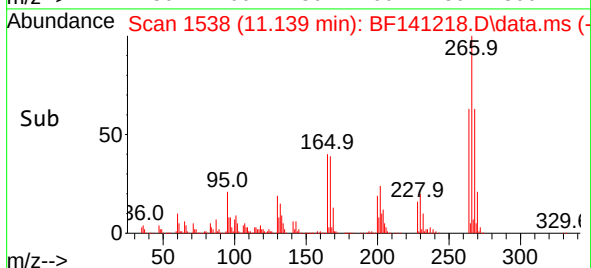
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

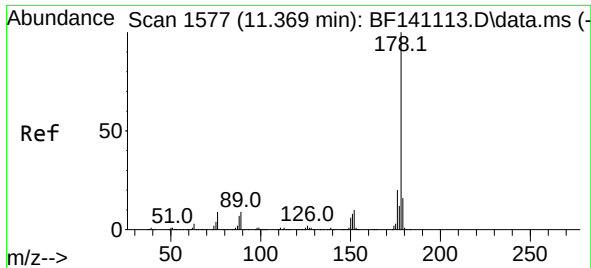


#70
 Pentachlorophenol
 Concen: 102.404 ng
 RT: 11.139 min Scan# 1538
 Delta R.T. -0.006 min
 Lab File: BF141218.D
 Acq: 20 Jan 2025 13:15



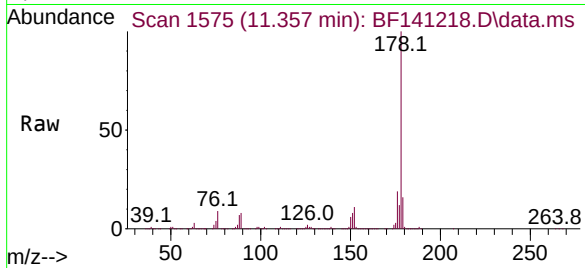
Tgt Ion:266 Resp: 501513
 Ion Ratio Lower Upper
 266 100
 268 63.3 50.4 75.6
 264 62.5 50.2 75.2





#71
Phenanthrene
Concen: 51.589 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

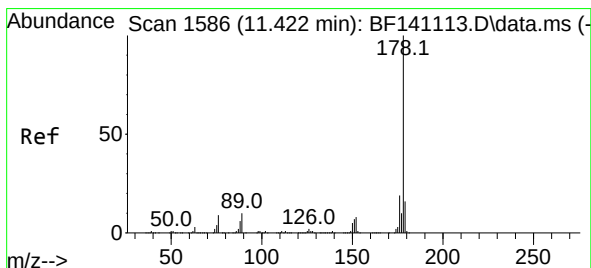
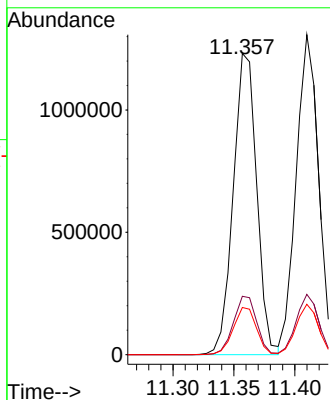
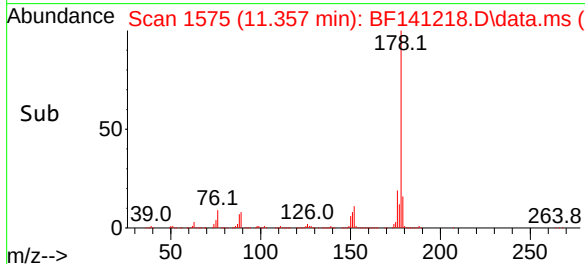
Instrument :
BNA_F
ClientSampleId :
PB166117BS



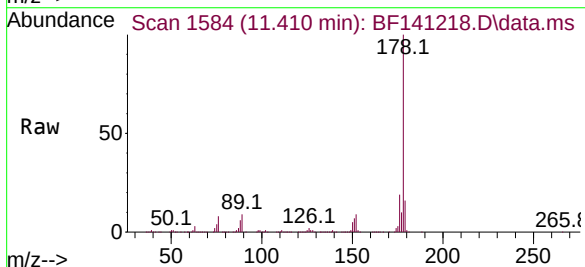
Tgt Ion:178 Resp: 1652640
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.7 12.6 19.0

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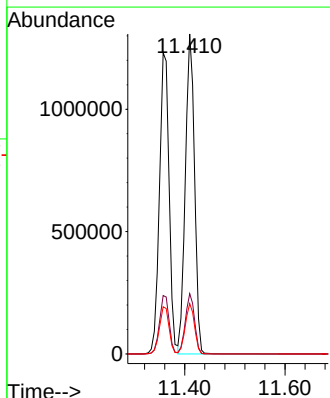
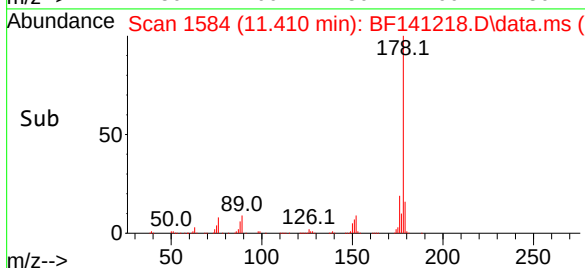
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

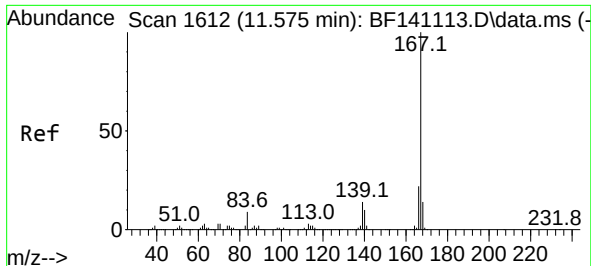


#72
Anthracene
Concen: 53.576 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



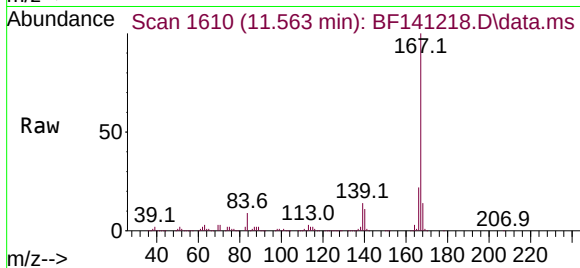
Tgt Ion:178 Resp: 1668857
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.8 12.6 19.0





#73
 Carbazole
 Concen: 51.285 ng
 RT: 11.563 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF141218.D
 Acq: 20 Jan 2025 13:15

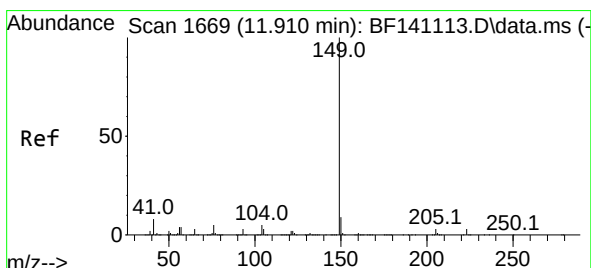
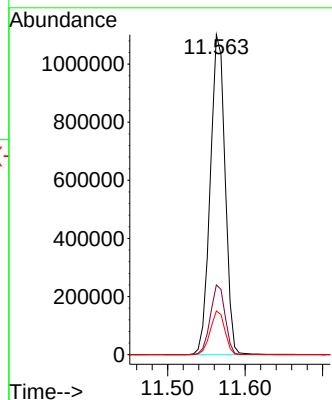
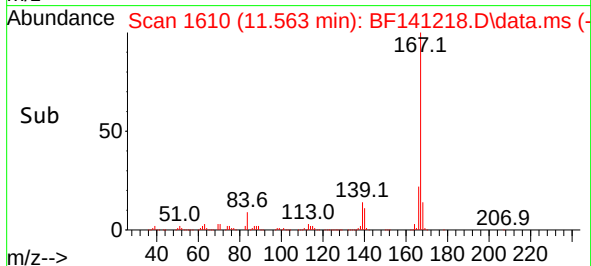
Instrument :
 BNA_F
 ClientSampleId :
 PB166117BS



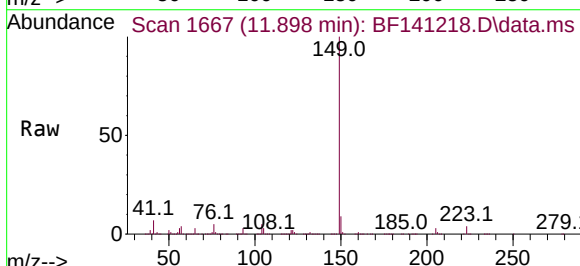
Tgt Ion:167 Resp: 1464784
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.7 10.9 16.3

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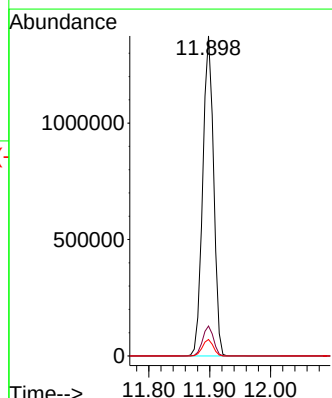
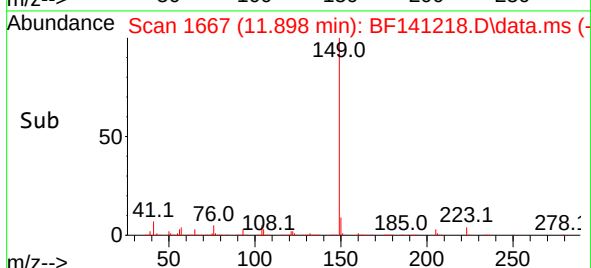
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

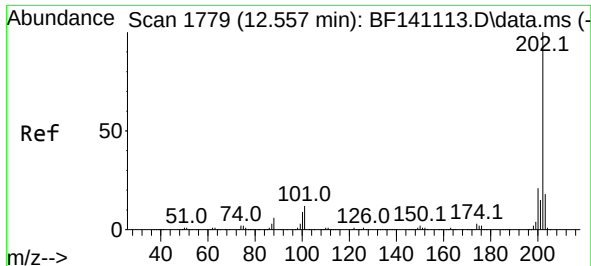


#74
 Di-n-butylphthalate
 Concen: 52.246 ng
 RT: 11.898 min Scan# 1667
 Delta R.T. -0.012 min
 Lab File: BF141218.D
 Acq: 20 Jan 2025 13:15



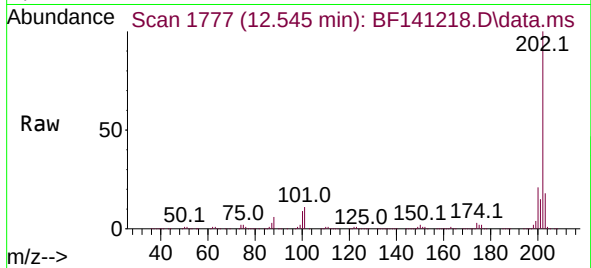
Tgt Ion:149 Resp: 1707757
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.2
 104 5.1 4.2 6.2





#75
Fluoranthene
Concen: 53.257 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

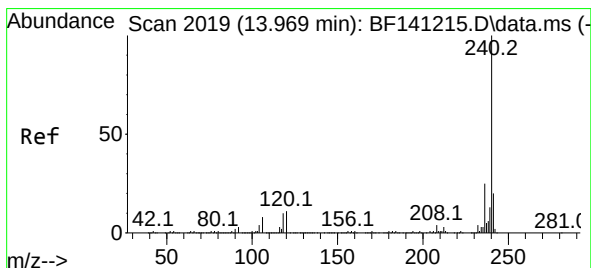
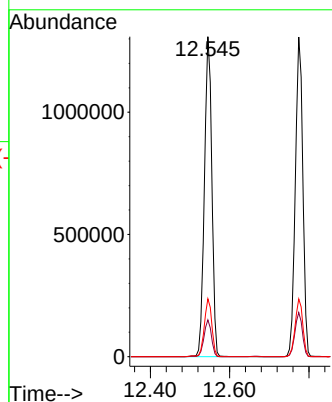
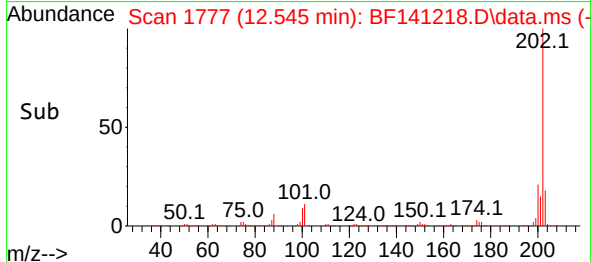
Instrument :
BNA_F
ClientSampleId :
PB166117BS



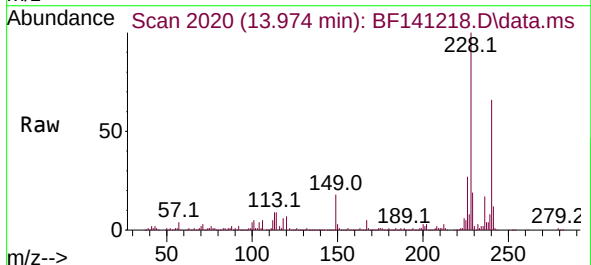
Tgt Ion:202 Resp: 1702508
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.3
203 18.1 0.0 37.7

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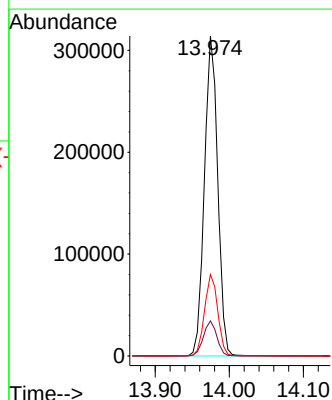
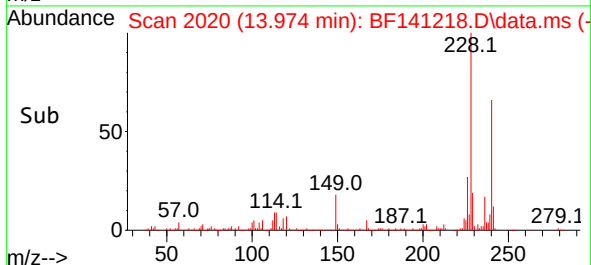
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

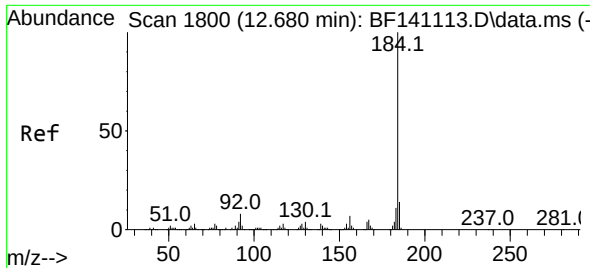


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



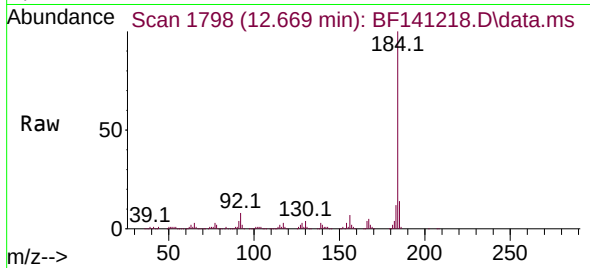
Tgt Ion:240 Resp: 391687
Ion Ratio Lower Upper
240 100
120 11.0 9.1 13.7
236 25.4 19.8 29.6





#77
Benzidine
Concen: 55.270 ng
RT: 12.669 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

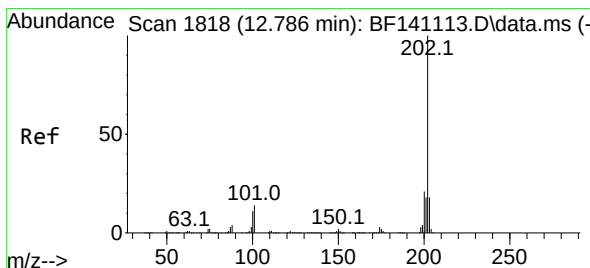
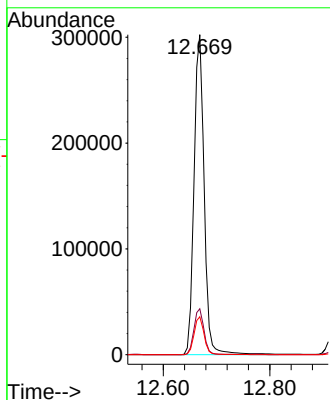
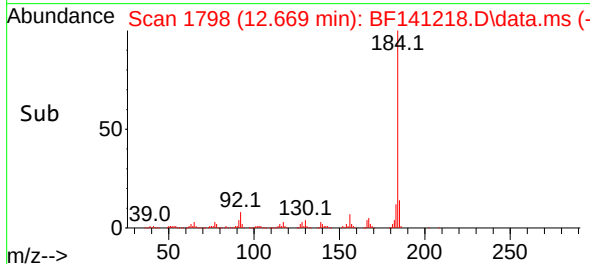
Instrument :
BNA_F
ClientSampleId :
PB166117BS



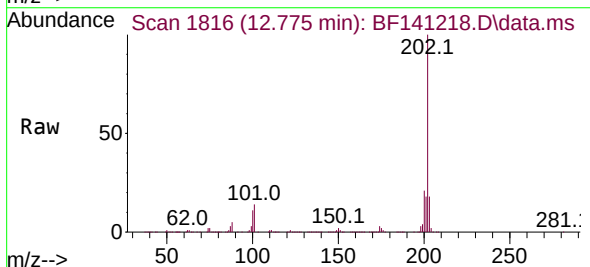
Tgt Ion:184 Resp: 401458
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.0
183 11.9 9.2 13.8

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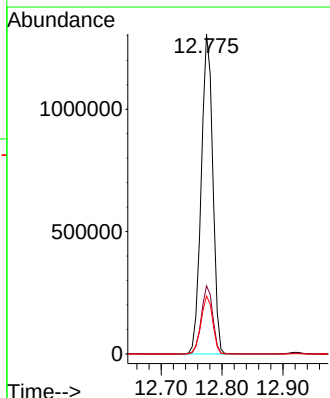
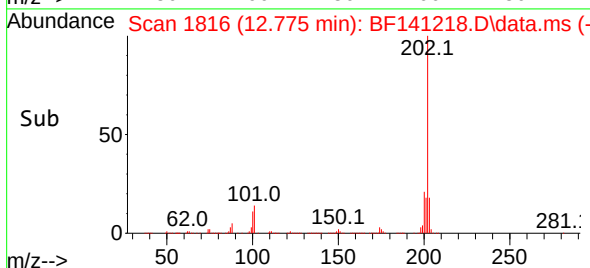
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

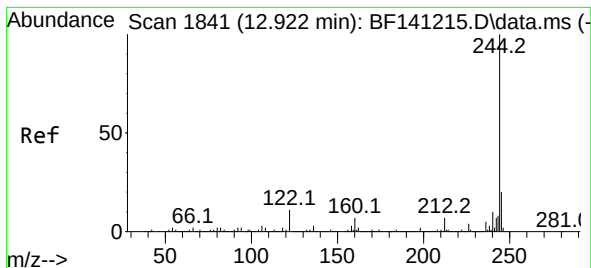


#78
Pyrene
Concen: 46.023 ng
RT: 12.775 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15



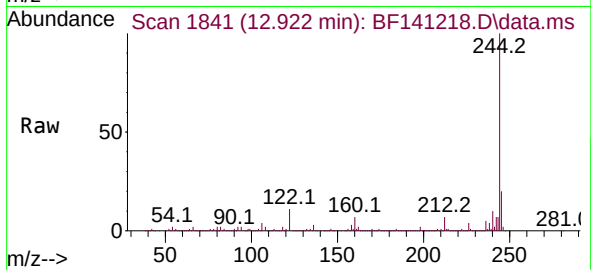
Tgt Ion:202 Resp: 1721782
Ion Ratio Lower Upper
202 100
200 21.3 16.8 25.2
203 18.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 96.504 ng
 RT: 12.922 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF141218.D
 Acq: 20 Jan 2025 13:15

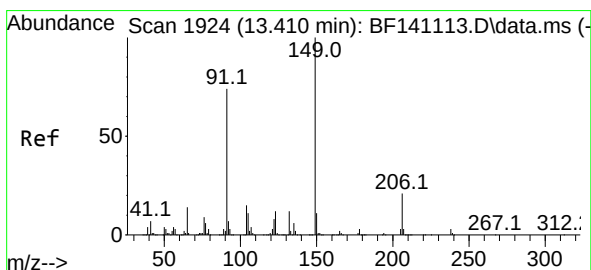
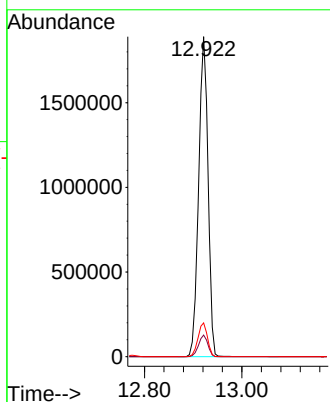
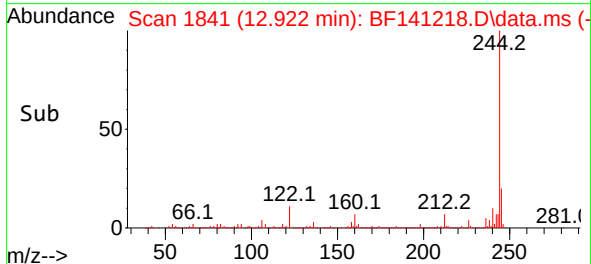
Instrument :
 BNA_F
 ClientSampleId :
 PB166117BS



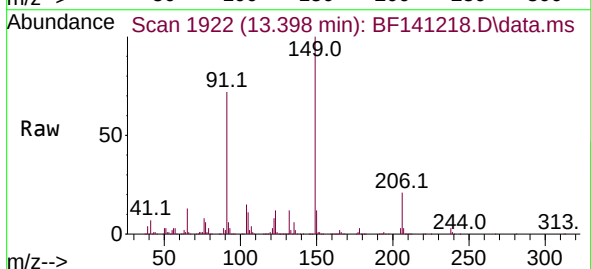
Tgt Ion:244 Resp: 2543164
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 10.5 8.8 13.2

Manual Integrations
 APPROVED

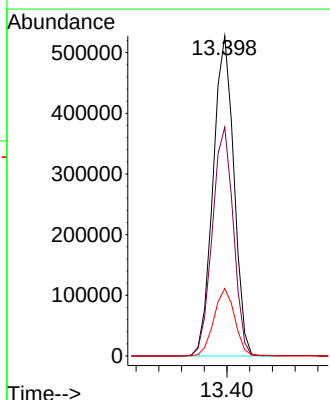
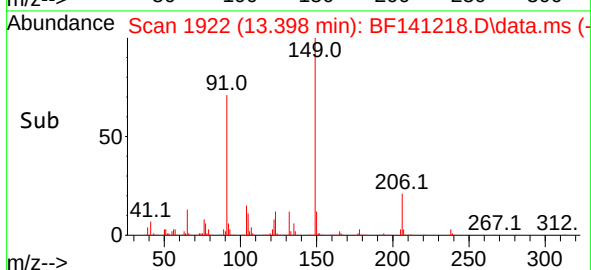
Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

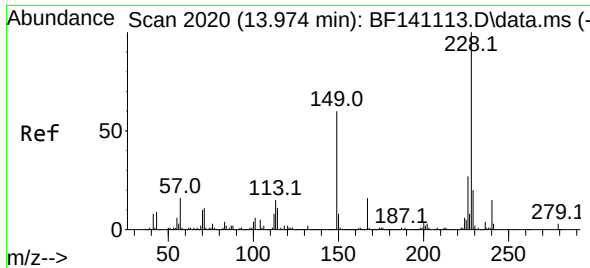


#80
 Butylbenzylphthalate
 Concen: 53.845 ng
 RT: 13.398 min Scan# 1922
 Delta R.T. -0.012 min
 Lab File: BF141218.D
 Acq: 20 Jan 2025 13:15



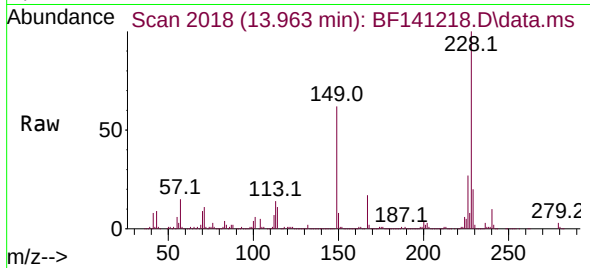
Tgt Ion:149 Resp: 671618
 Ion Ratio Lower Upper
 149 100
 91 71.5 59.0 88.6
 206 21.1 16.5 24.7





#81
Benzo(a)anthracene
Concen: 47.429 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

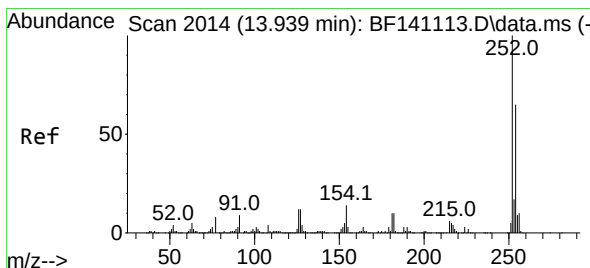
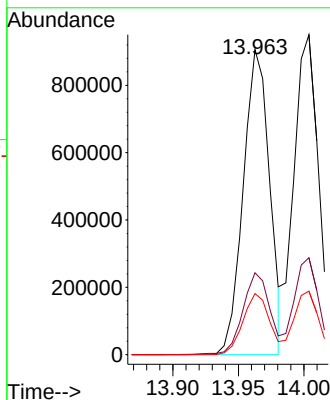
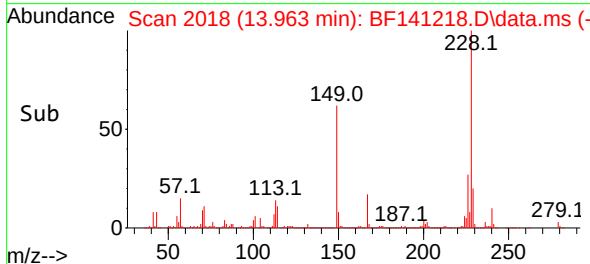
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:228 Resp: 126429
Ion Ratio Lower Upper
228 100
226 26.9 21.7 32.5
229 20.0 15.7 23.5

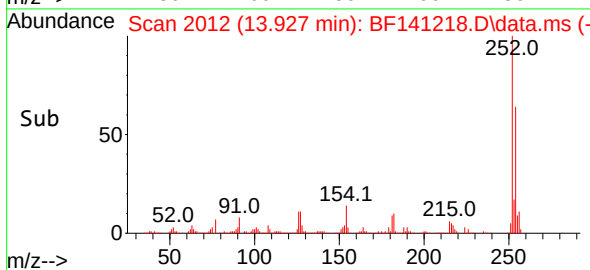
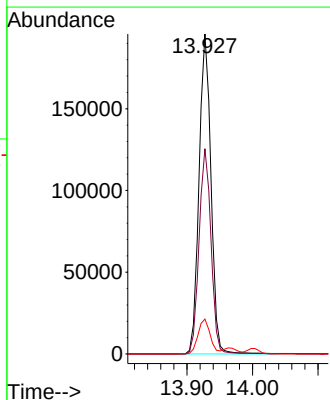
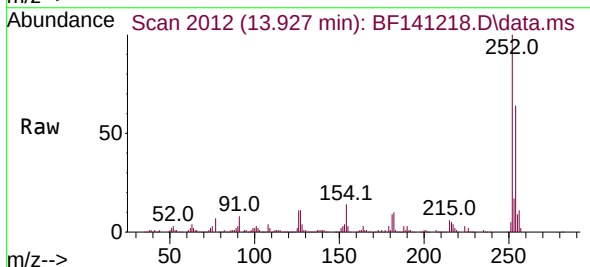
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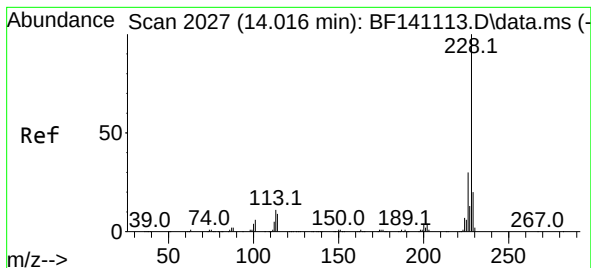
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#82
3,3'-Dichlorobenzidine
Concen: 29.246 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 248240
Ion Ratio Lower Upper
252 100
254 64.2 52.0 78.0
126 10.9 9.4 14.0





#83

Chrysene

Concen: 49.694 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

Tgt Ion:228 Resp: 123947

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

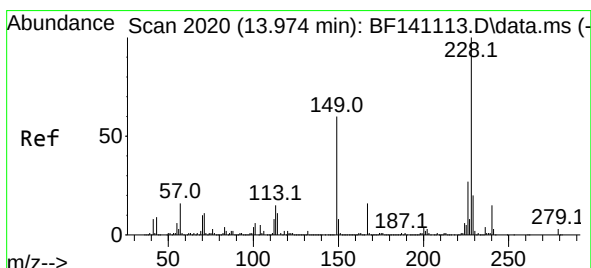
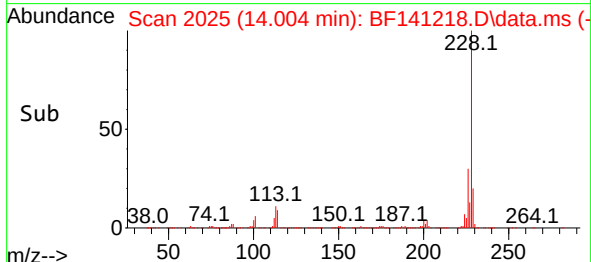
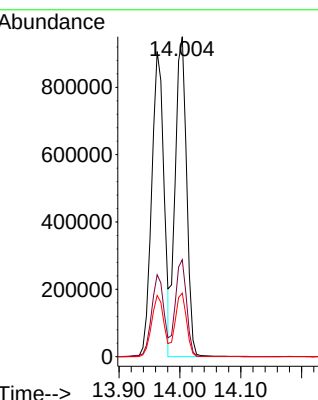
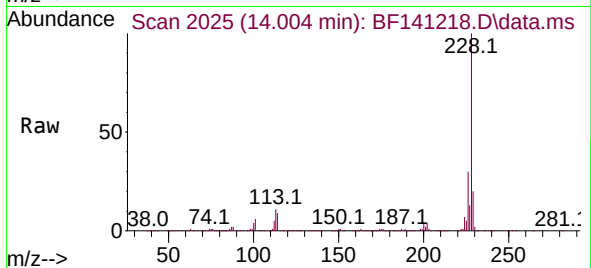
229 19.9 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.200 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

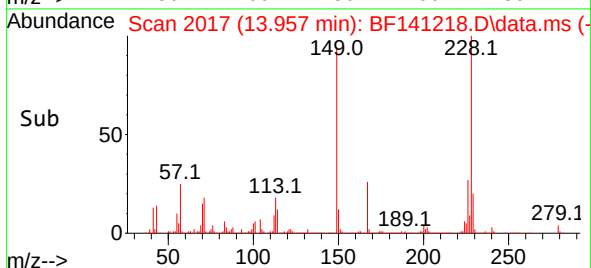
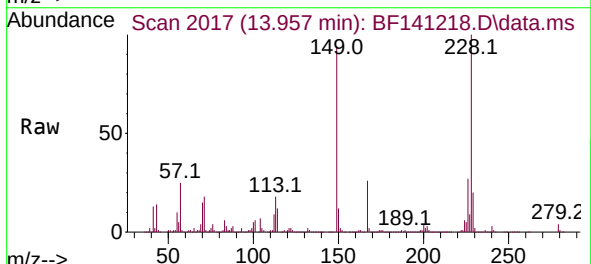
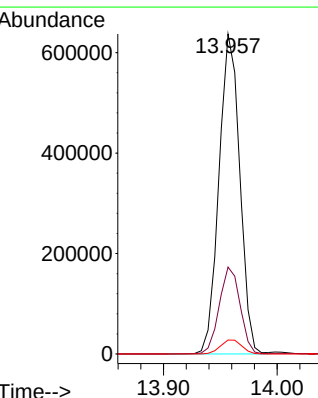
Tgt Ion:149 Resp: 811154

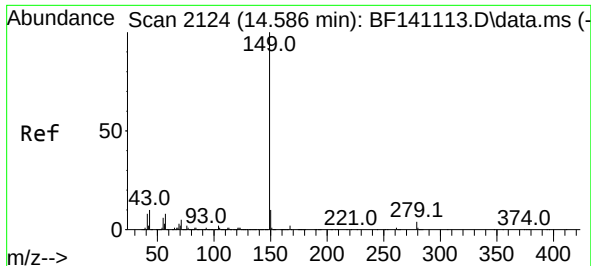
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.2

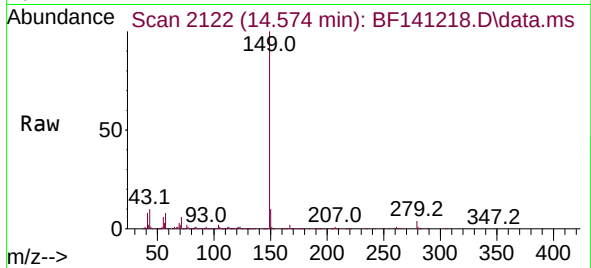
279 4.4 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 53.319 ng
RT: 14.574 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

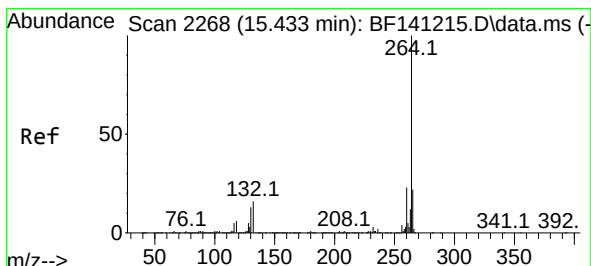
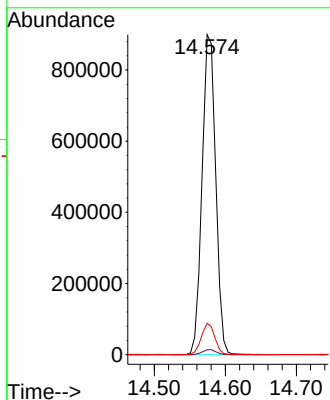
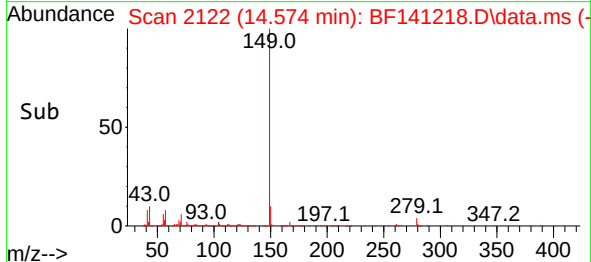
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:149 Resp: 120500
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.6 8.4 12.6

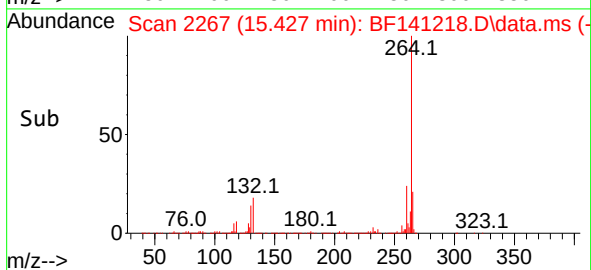
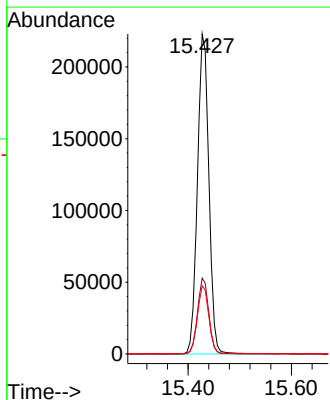
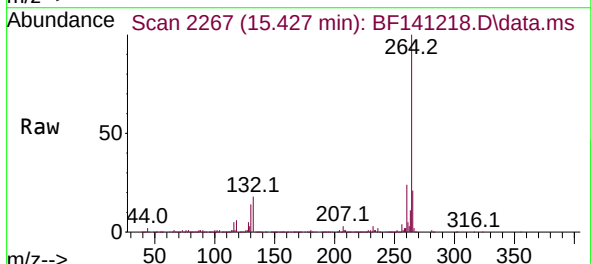
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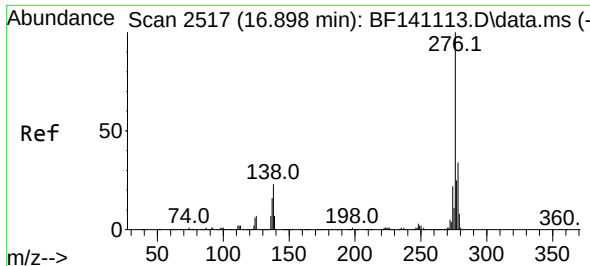
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:264 Resp: 341954
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.3 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 49.416 ng
RT: 16.880 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

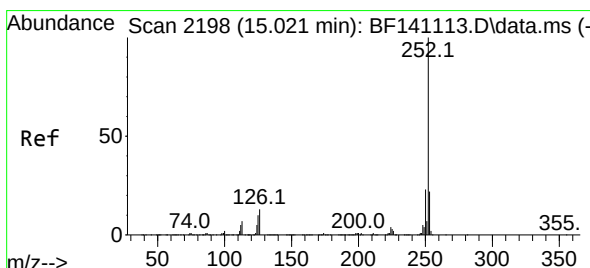
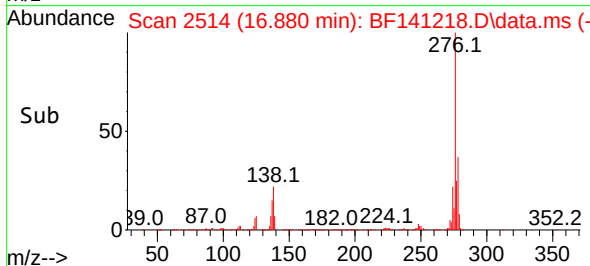
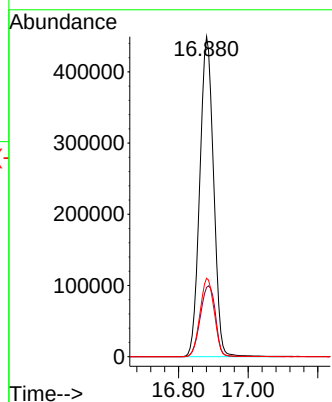
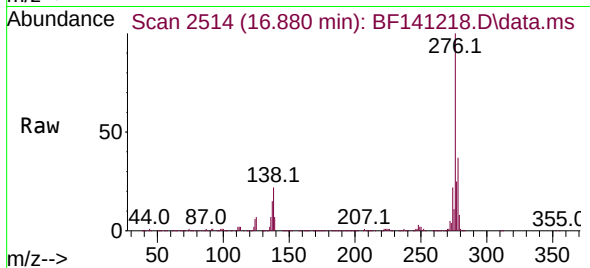
ClientSampleId :

PB166117BS

Tgt Ion:276 Resp: 123800
Ion Ratio Lower Upper
276 100
138 24.4 20.7 31.1
277 25.3 20.6 30.8

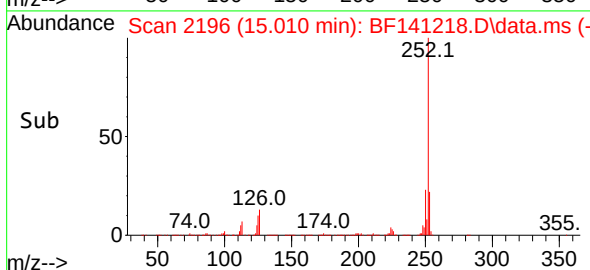
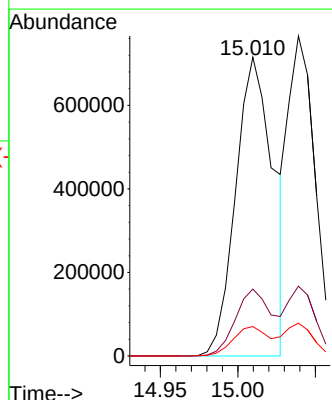
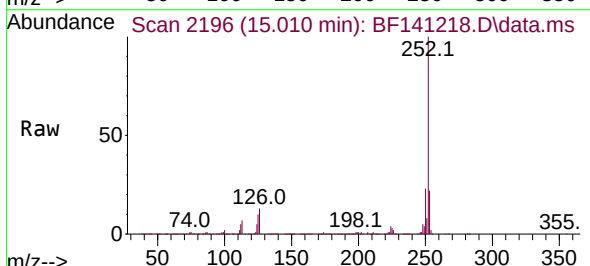
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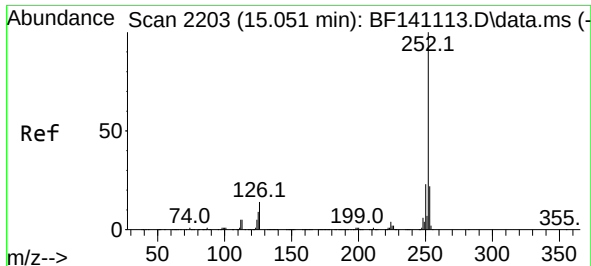
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#88
Benzo(b)fluoranthene
Concen: 54.712 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 1206417
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 9.9 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 49.810 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

Instrument :

BNA_F

ClientSampleId :

PB166117BS

Tgt Ion:252 Resp: 92818

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

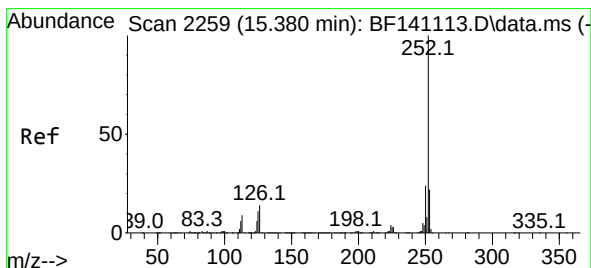
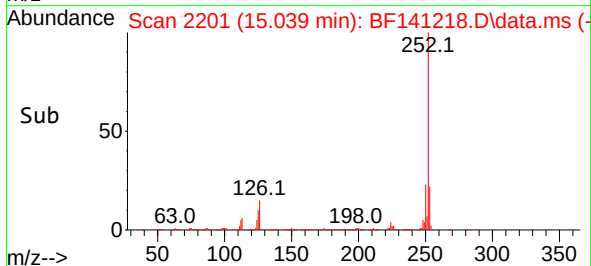
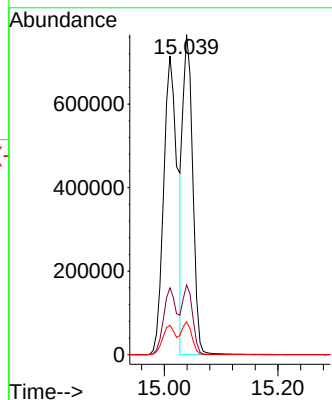
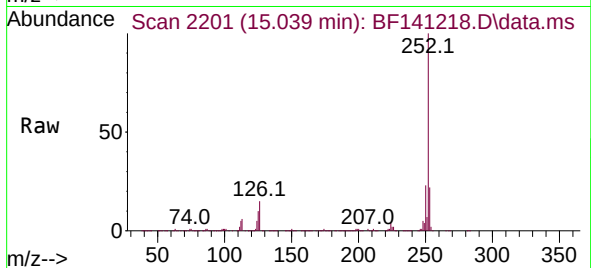
125 10.3 7.9 11.9

Manual Integrations

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Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#90

Benzo(a)pyrene

Concen: 55.223 ng

RT: 15.368 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF141218.D

Acq: 20 Jan 2025 13:15

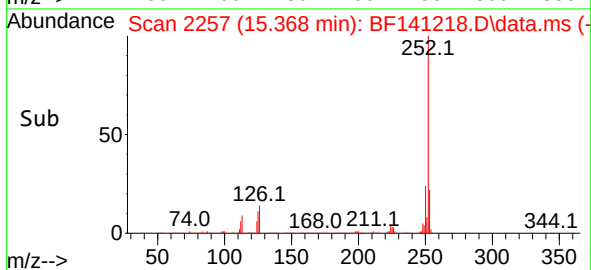
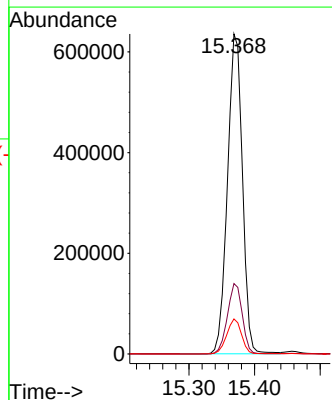
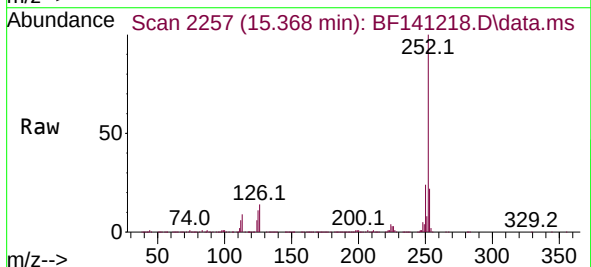
Tgt Ion:252 Resp: 1004648

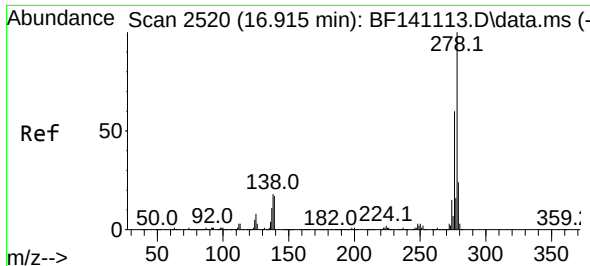
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

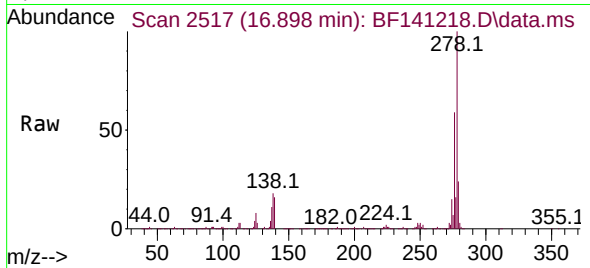
125 11.0 9.1 13.7





#91
Dibenzo(a,h)anthracene
Concen: 48.830 ng
RT: 16.898 min Scan# 2517
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

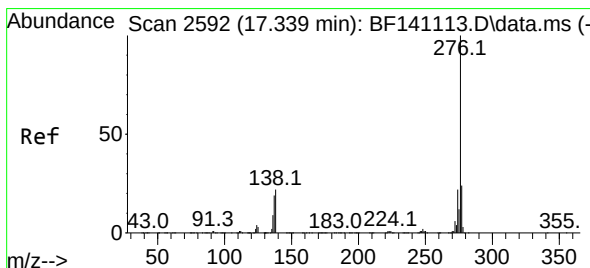
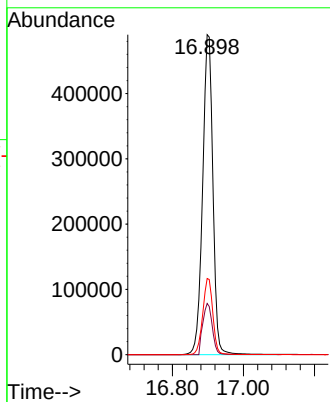
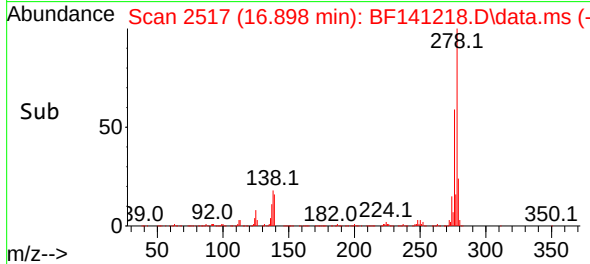
Instrument :
BNA_F
ClientSampleId :
PB166117BS



Tgt Ion:278 Resp: 989420
Ion Ratio Lower Upper
278 100
139 16.0 13.8 20.6
279 23.8 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: 44.881 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:276 Resp: 945921
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 20.8 17.4 26.2

