

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031825\
 Data File : BF141988.D
 Acq On : 18 Mar 2025 10:59
 Operator : RC/JU
 Sample : PB167168BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167168BS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/19/2025
 Supervised By :mohammad ahmed 03/24/2025

Quant Time: Mar 18 11:46:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	153624	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	605121	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	333256	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	550204	20.000	ng	0.00
76) Chrysene-d12	14.045	240	364178	20.000	ng	0.00
86) Perylene-d12	15.515	264	375705	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1289349	140.074	ng	0.02
7) Phenol-d6	6.510	99	1576383	134.507	ng	0.00
23) Nitrobenzene-d5	7.445	82	1043365	97.032	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	634270	150.024	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2139796	97.649	ng	0.00
79) Terphenyl-d14	12.986	244	2369251	96.185	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.751	88	160315	41.567	ng	97
3) Pyridine	3.510	79	378424	40.000	ng	98
4) n-Nitrosodimethylamine	3.457	42	191144	42.385	ng	98
6) Aniline	6.545	93	467295	40.418	ng	99
8) 2-Chlorophenol	6.663	128	473450	46.377	ng	99
9) Benzaldehyde	6.428	77	131199	20.017	ng	99
10) Phenol	6.522	94	547930	44.441	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	410827	44.375	ng	99
12) 1,3-Dichlorobenzene	6.822	146	496621	45.059	ng	98
13) 1,4-Dichlorobenzene	6.898	146	507150	45.478	ng	99
14) 1,2-Dichlorobenzene	7.051	146	484885	46.164	ng	98
15) Benzyl Alcohol	7.022	79	412918	43.581	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	462263	41.359	ng	98
17) 2-Methylphenol	7.128	107	371351	45.750	ng	100
18) Hexachloroethane	7.392	117	186696	44.646	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	315123	41.846	ng	100
20) 3+4-Methylphenols	7.281	107	464568	44.683	ng	# 90
22) Acetophenone	7.286	105	703789	48.567	ng	96
24) Nitrobenzene	7.463	77	476326	44.560	ng	99
25) Isophorone	7.698	82	861775	45.339	ng	99
26) 2-Nitrophenol	7.775	139	250549	47.756	ng	99
27) 2,4-Dimethylphenol	7.810	122	398959	55.226	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	517502	43.409	ng	99
29) 2,4-Dichlorophenol	8.016	162	403105	44.955	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	442720	44.802	ng	98
31) Naphthalene	8.186	128	1349583	43.417	ng	100
32) Benzoic acid	7.928	122	318732	50.192	ng	98
33) 4-Chloroaniline	8.228	127	225971	20.593	ng	98
34) Hexachlorobutadiene	8.298	225	297040	46.093	ng	99
35) Caprolactam	8.598	113	131150m	47.974	ng	
36) 4-Chloro-3-methylphenol	8.710	107	431630	43.152	ng	99
37) 2-Methylnaphthalene	8.875	142	876224	42.173	ng	100
38) 1-Methylnaphthalene	8.975	142	843623	42.077	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	524826	51.726	ng	98
41) Hexachlorocyclopentadiene	9.028	237	668256	168.290	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	301417	45.456	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	314799	46.874	ng	99
46) 1,1'-Biphenyl	9.339	154	1251387	49.420	ng	100
47) 2-Chloronaphthalene	9.363	162	859555	45.544	ng	99
48) 2-Nitroaniline	9.457	65	243726	44.601	ng	97
49) Acenaphthylene	9.780	152	1335434	47.682	ng	100
50) Dimethylphthalate	9.639	163	1015664	43.521	ng	100
51) 2,6-Dinitrotoluene	9.698	165	221617	45.610	ng	95
52) Acenaphthene	9.951	154	991021	50.351	ng	99
53) 3-Nitroaniline	9.869	138	137483	27.894	ng	97
54) 2,4-Dinitrophenol	9.975	184	261502	93.511	ng	# 47
55) Dibenzofuran	10.122	168	1217099	43.277	ng	99
56) 4-Nitrophenol	10.027	139	367609	98.900	ng	96
57) 2,4-Dinitrotoluene	10.104	165	301837	47.561	ng	98
58) Fluorene	10.469	166	954715	44.021	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	278073	45.502	ng	98
60) Diethylphthalate	10.339	149	990323	42.558	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	494016	43.691	ng	98
62) 4-Nitroaniline	10.480	138	209808	43.724	ng	98
63) Azobenzene	10.616	77	894901	41.365	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	162385	49.508	ng	100
66) n-Nitrosodiphenylamine	10.575	169	827044	46.450	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	317766	45.987	ng	100
68) Hexachlorobenzene	11.016	284	366094	48.306	ng	94
69) Atrazine	11.104	200	322158	59.022	ng	99
70) Pentachlorophenol	11.210	266	435894	93.351	ng	99
71) Phenanthrene	11.427	178	1374452	46.249	ng	100
72) Anthracene	11.480	178	1412854	47.387	ng	100
73) Carbazole	11.633	167	1155342	44.932	ng	100
74) Di-n-butylphthalate	11.963	149	1479834	43.374	ng	99
75) Fluoranthene	12.616	202	1339128	42.479	ng	99
77) Benzidine	12.733	184	367890	72.405	ng	99
78) Pyrene	12.845	202	1330654	42.241	ng	99
80) Butylbenzylphthalate	13.463	149	514197	41.703	ng	97
81) Benzo(a)anthracene	14.033	228	1117238	46.751	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	265251	38.409	ng	99
83) Chrysene	14.068	228	998209	46.080	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	728315	42.841	ng	100
85) Di-n-octyl phthalate	14.633	149	1189008	50.266	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	1215297	50.004	ng	98
88) Benzo(b)fluoranthene	15.086	252	1022729	39.719	ng	99
89) Benzo(k)fluoranthene	15.115	252	1001088	45.431	ng	99
90) Benzo(a)pyrene	15.457	252	970694	48.179	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	988318	49.287	ng	99
92) Benzo(g,h,i)perylene	17.462	276	923868	46.622	ng	98

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

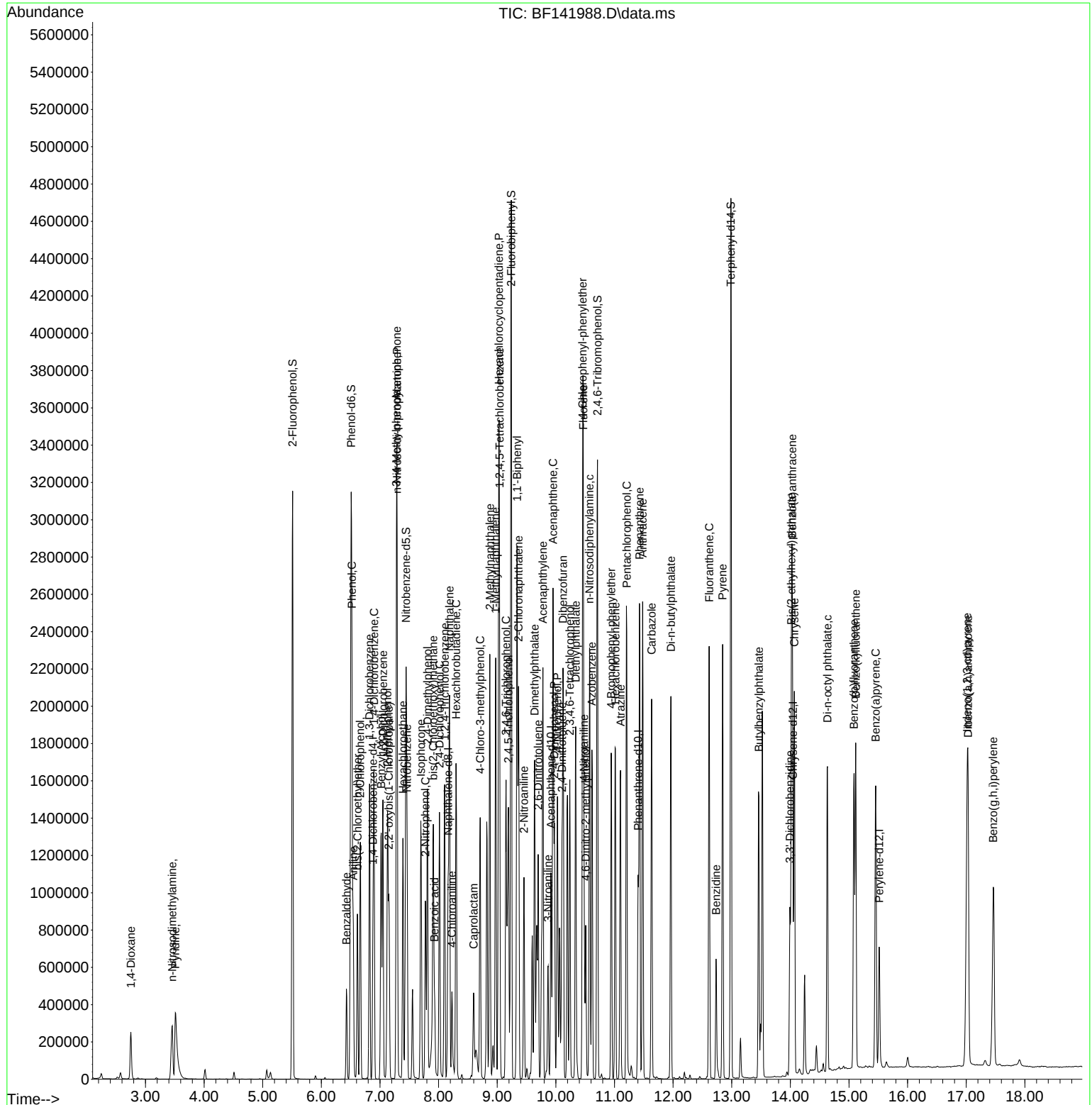
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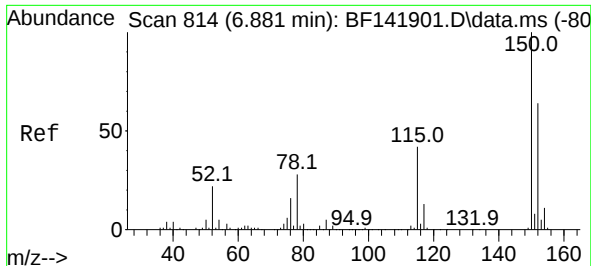
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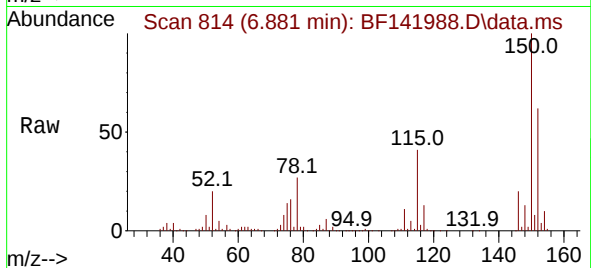
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

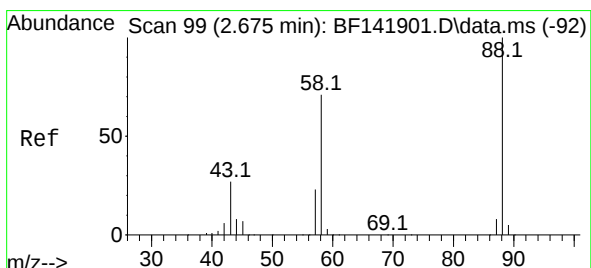
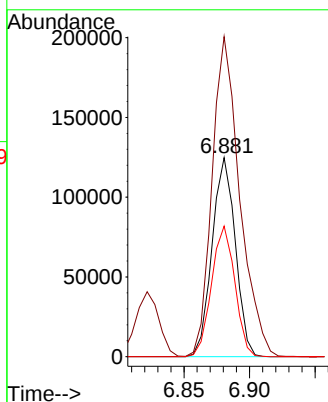
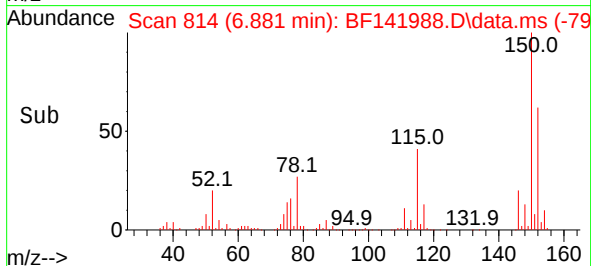
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BNA_F
ClientSampleId :
PB167168BS



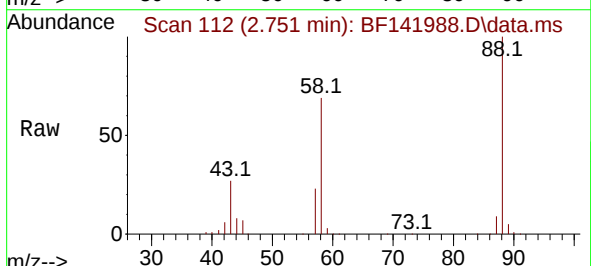
Tgt Ion:152 Resp: 153624
Ion Ratio Lower Upper
152 100
150 160.7 127.4 191.2
115 65.6 51.9 77.9

Manual Integrations
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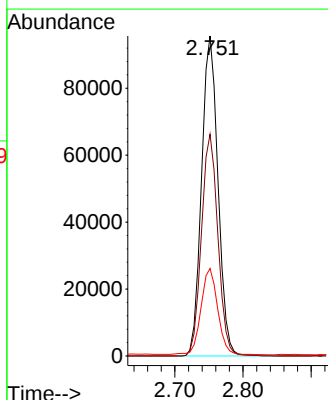
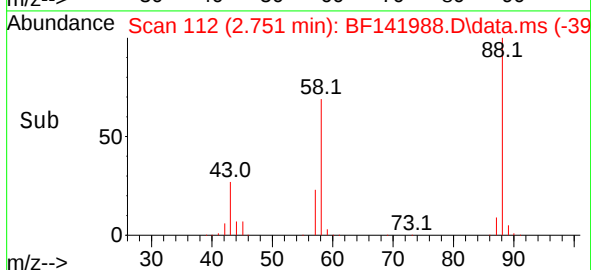
Reviewed By :Anahy Claudio 03/19/2025
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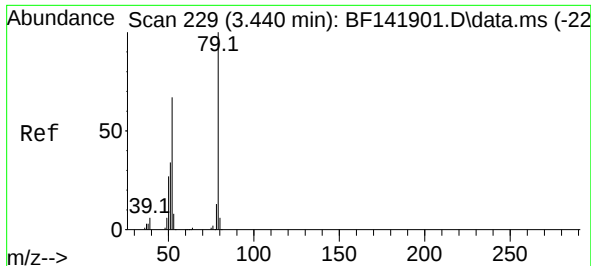


#2
1,4-Dioxane
Concen: 41.567 ng
RT: 2.751 min Scan# 112
Delta R.T. 0.076 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



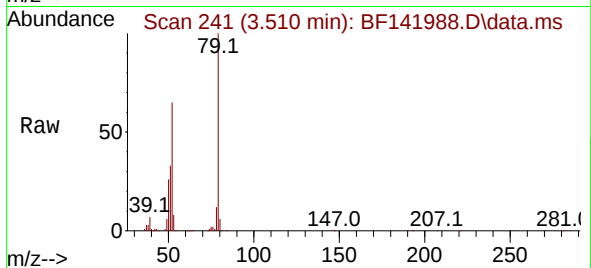
Tgt Ion: 88 Resp: 160315
Ion Ratio Lower Upper
88 100
58 69.3 57.4 86.2
43 27.7 21.5 32.3





#3
Pyridine
Concen: 40.000 ng
RT: 3.510 min Scan# 241
Delta R.T. 0.071 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

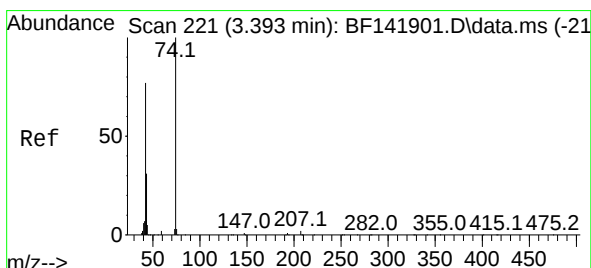
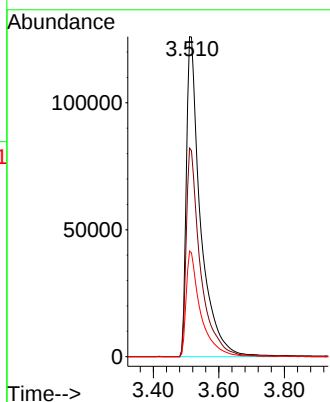
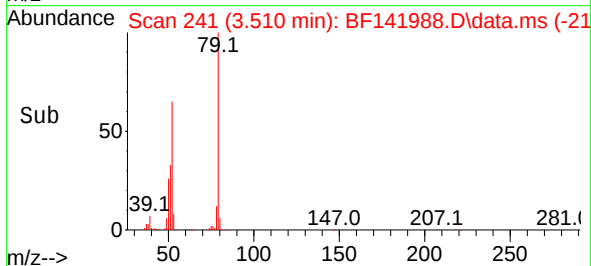
Instrument :
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PB167168BS



Tgt Ion: 79 Resp: 378424
Ion Ratio Lower Upper
79 100
52 65.2 53.3 79.9
51 33.0 27.6 41.4

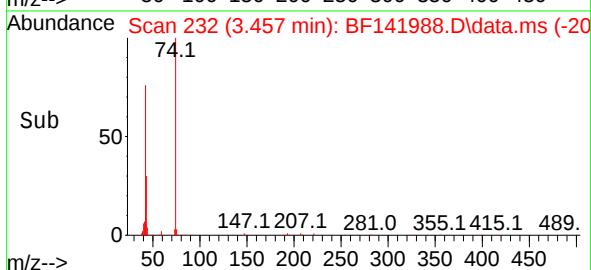
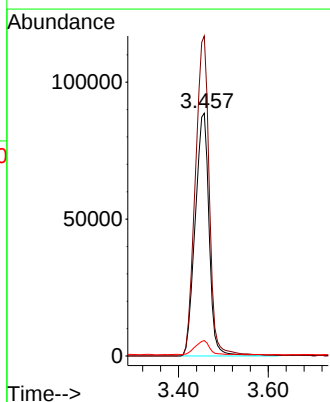
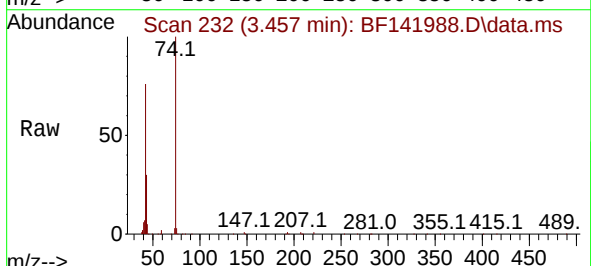
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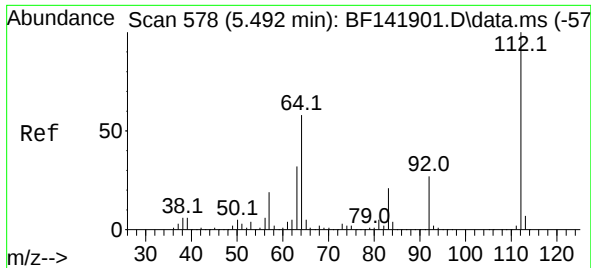
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.457 min Scan# 232
Delta R.T. 0.065 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion: 42 Resp: 191144
Ion Ratio Lower Upper
42 100
74 131.8 103.4 155.0
44 6.3 5.0 7.4





#5
2-Fluorophenol
Concen: 140.074 ng
RT: 5.510 min Scan# 510
Delta R.T. 0.018 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

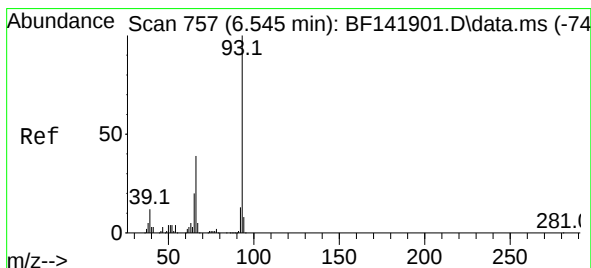
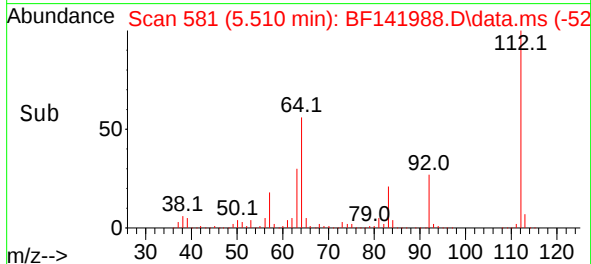
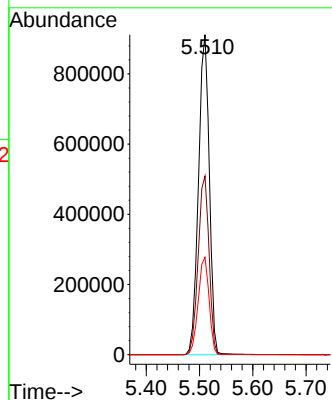
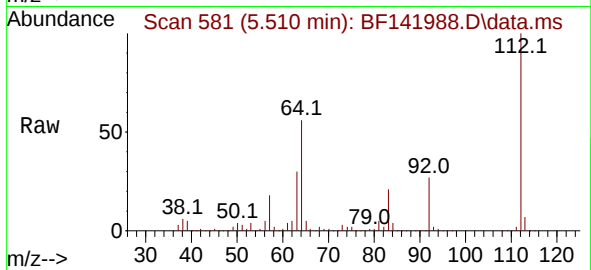
PB167168BS

Tgt Ion:112 Resp: 1289349
Ion Ratio Lower Upper
112 100
64 55.8 46.5 69.7
63 30.5 25.4 38.2

Manual Integrations

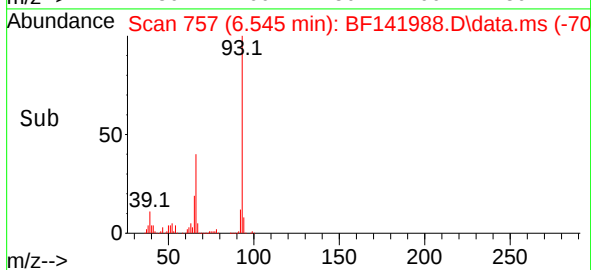
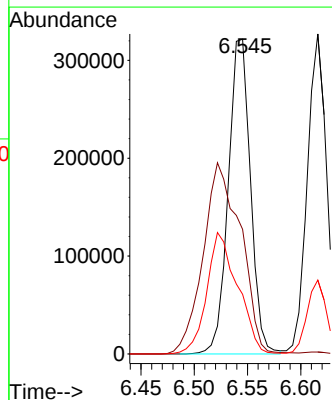
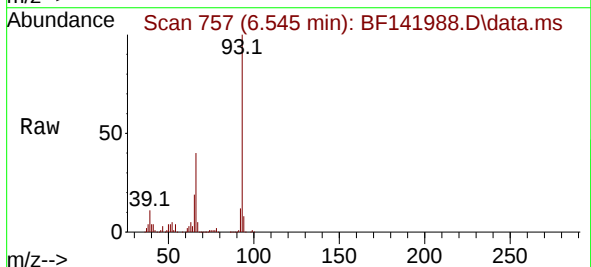
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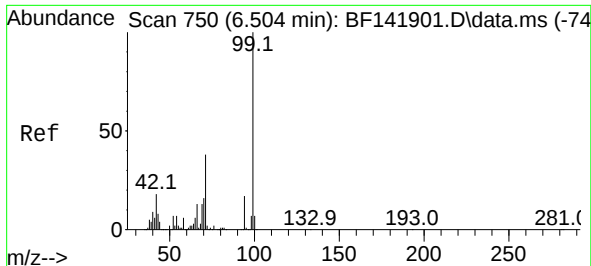
Reviewed By :Anahy Claudio 03/19/2025
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#6
Aniline
Concen: 40.418 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

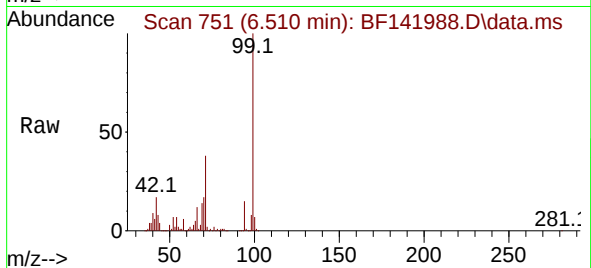
Tgt Ion: 93 Resp: 467295
Ion Ratio Lower Upper
93 100
66 39.6 31.9 47.9
65 19.0 15.8 23.6





#7
Phenol-d6
Concen: 134.507 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

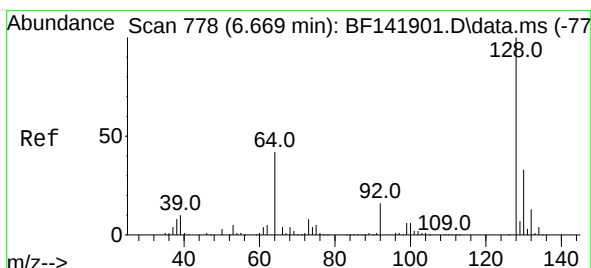
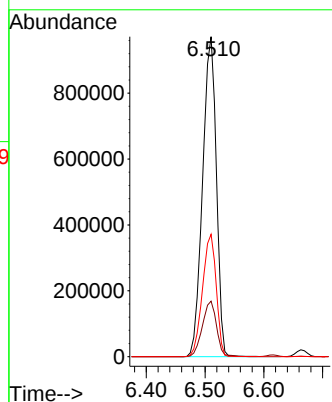
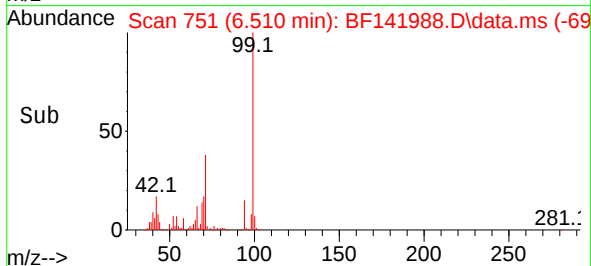
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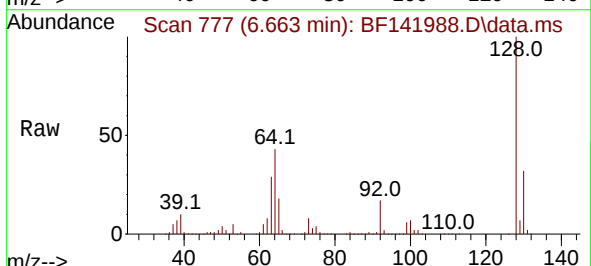
Tgt Ion: 99 Resp: 157638
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 38.3 30.8 46.2

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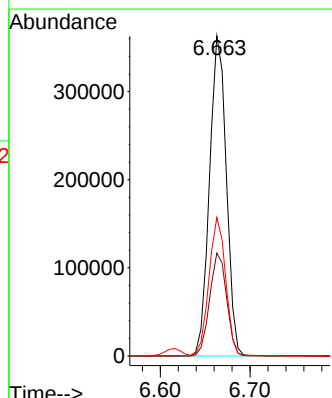
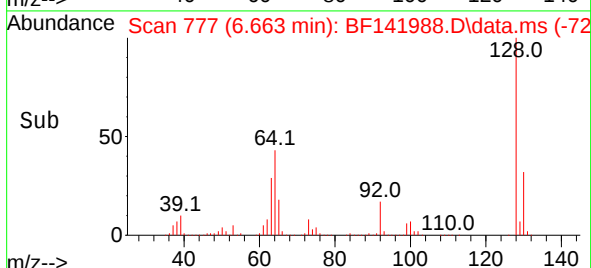
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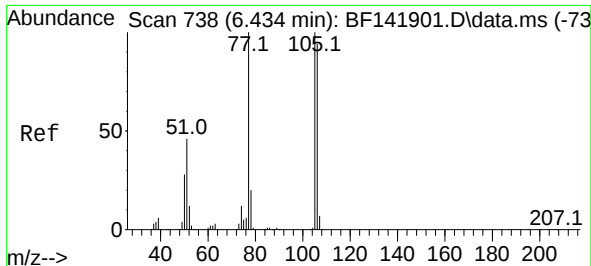


#8
2-Chlorophenol
Concen: 46.377 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



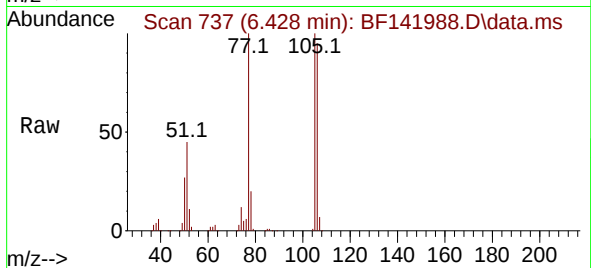
Tgt Ion:128 Resp: 473450
Ion Ratio Lower Upper
128 100
130 32.1 12.8 52.8
64 43.3 24.4 64.4





#9
Benzaldehyde
Concen: 20.017 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF141988.D
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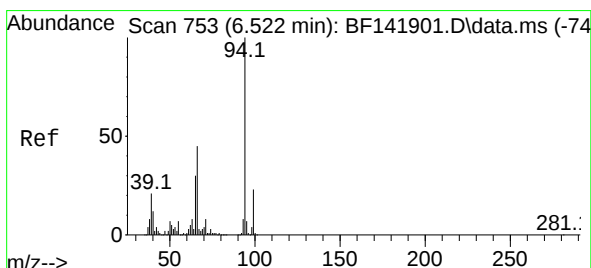
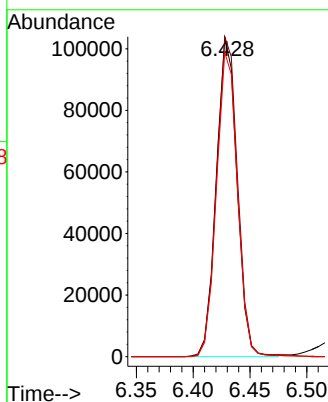
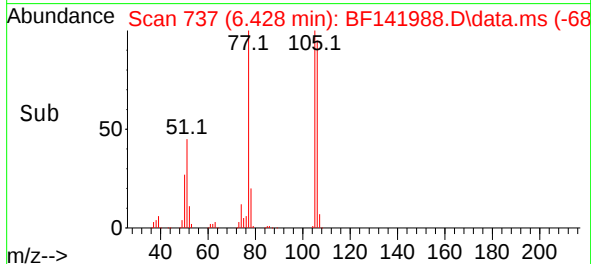
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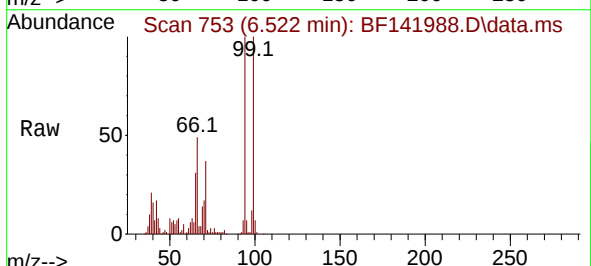
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Ion Ratio Lower Upper
77 100
105 100.5 80.0 120.0
106 95.6 74.5 114.5

Manual Integrations
APPROVED

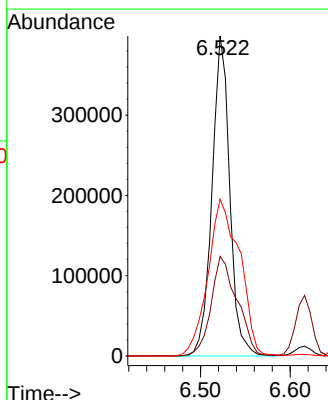
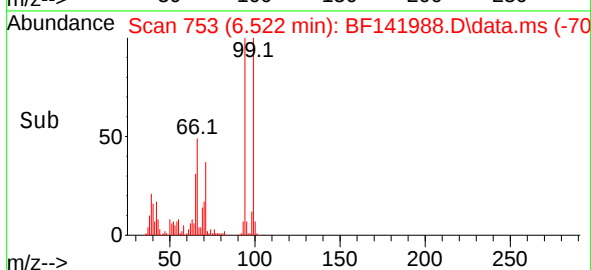
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

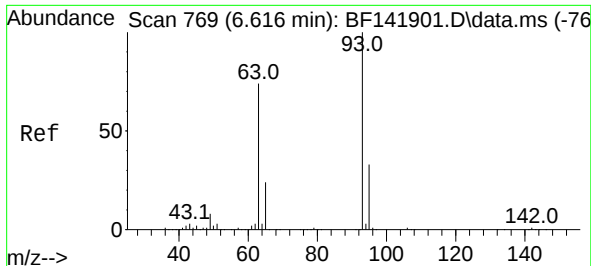


#10
Phenol
Concen: 44.441 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion: 94 Resp: 547930
Ion Ratio Lower Upper
94 100
65 31.1 10.5 50.5
66 49.0 25.8 65.8





#11

bis(2-Chloroethyl)ether

Concen: 44.375 ng

RT: 6.616 min Scan# 769

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

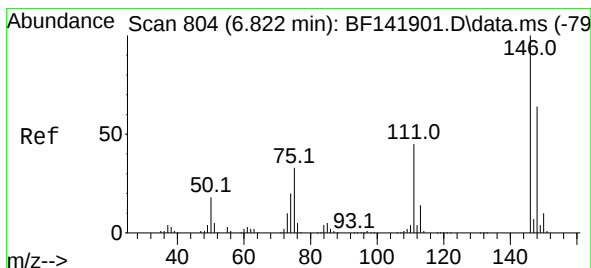
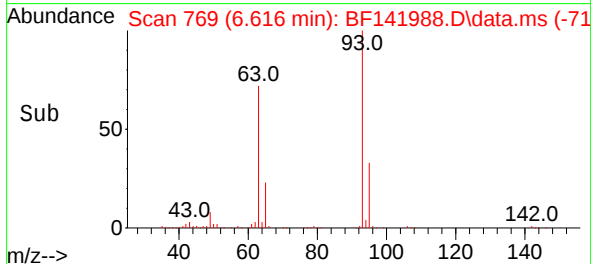
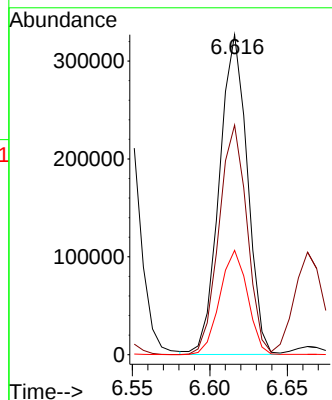
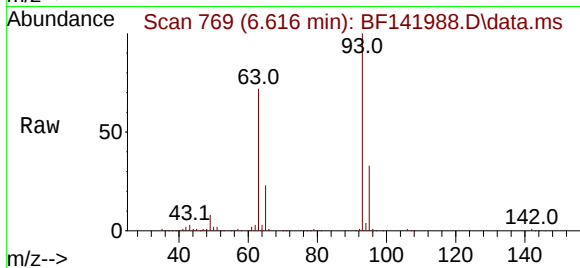
PB167168BS

Tgt Ion:	93	Resp:	41082
Ion Ratio	Lower	Upper	
93	100		
63	71.8	53.0	93.0
95	32.6	12.9	52.9

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#12

1,3-Dichlorobenzene

Concen: 45.059 ng

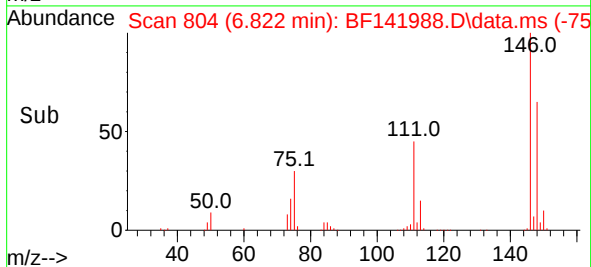
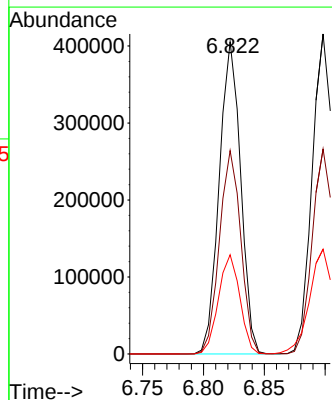
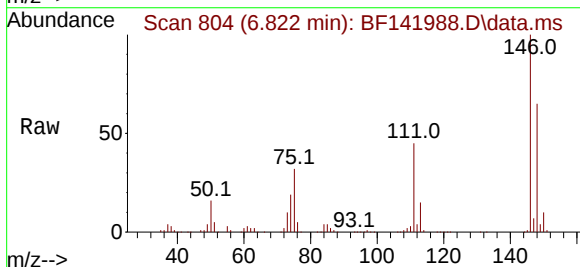
RT: 6.822 min Scan# 804

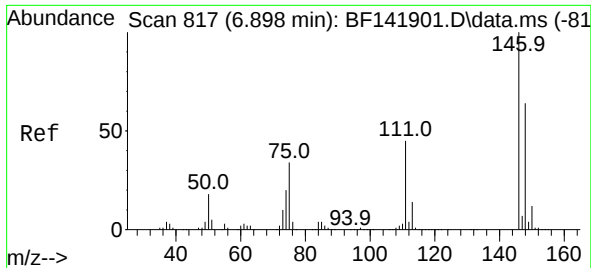
Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

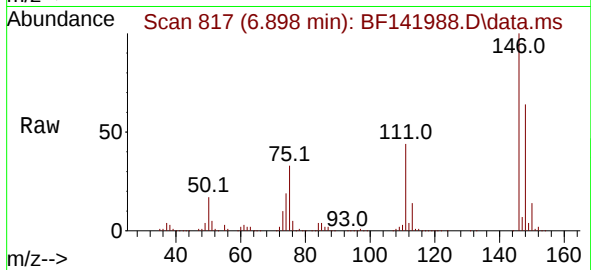
Tgt Ion:	146	Resp:	496621
Ion Ratio	Lower	Upper	
146	100		
148	65.1	51.3	76.9
75	31.8	26.6	40.0





#13
1,4-Dichlorobenzene
Concen: 45.478 ng
RT: 6.898 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

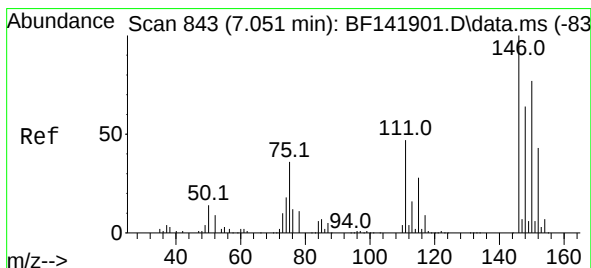
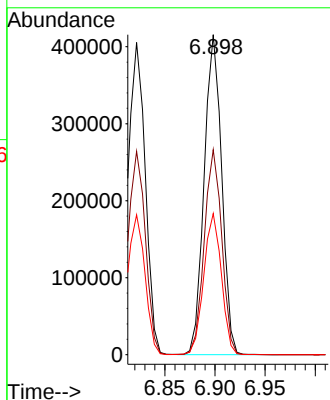
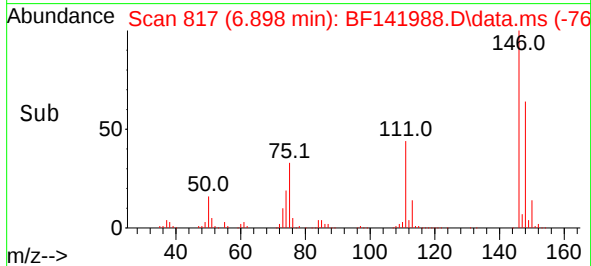
Instrument :
BNA_F
ClientSampleId :
PB167168BS



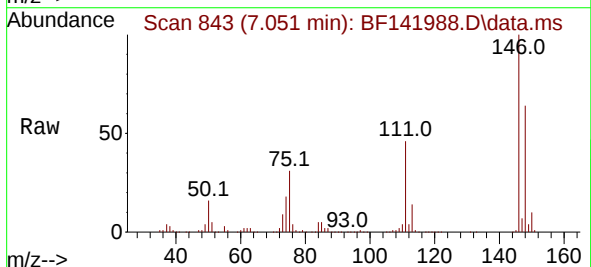
Tgt Ion:146 Resp: 507150
Ion Ratio Lower Upper
146 100
148 64.0 51.0 76.6
111 44.1 35.7 53.5

Manual Integrations
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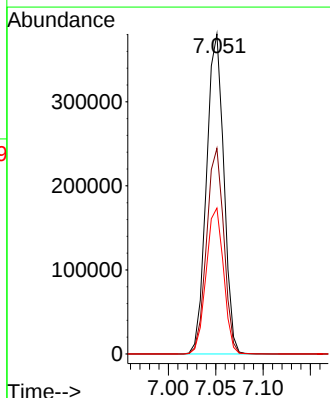
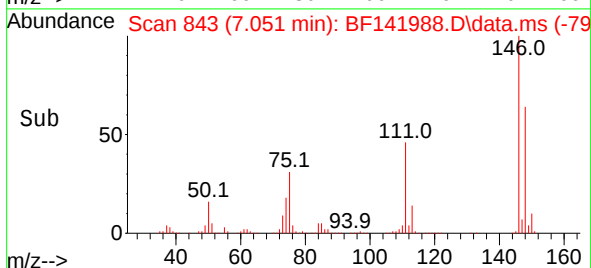
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

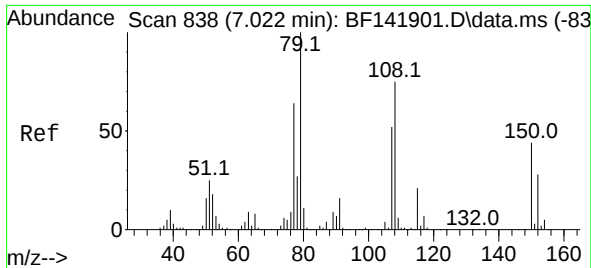


#14
1,2-Dichlorobenzene
Concen: 46.164 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



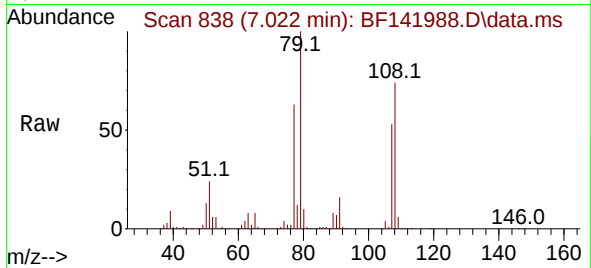
Tgt Ion:146 Resp: 484885
Ion Ratio Lower Upper
146 100
148 64.2 50.8 76.2
111 45.6 38.0 57.0





#15
Benzyl Alcohol
Concen: 43.581 ng
RT: 7.022 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

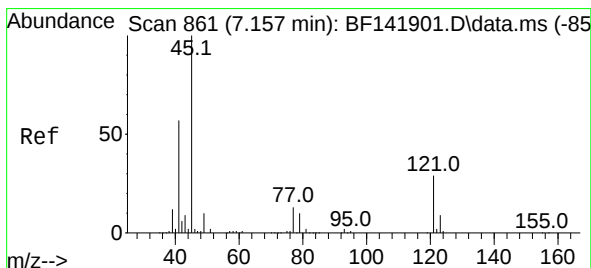
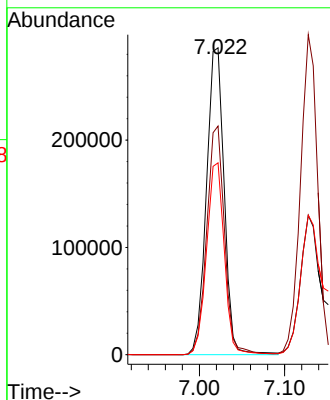
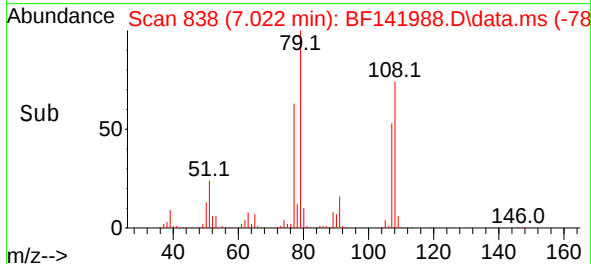
Instrument :
BNA_F
ClientSampleId :
PB167168BS



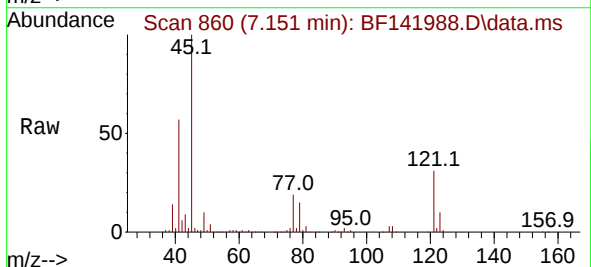
Tgt Ion: 79 Resp: 412918
Ion Ratio Lower Upper
79 100
108 74.5 59.7 89.5
77 62.5 51.0 76.6

Manual Integrations
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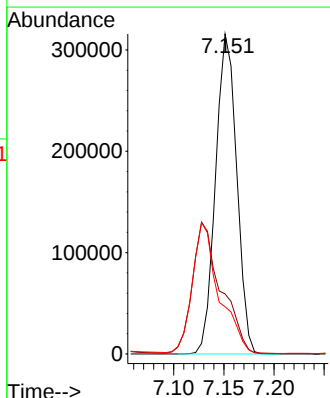
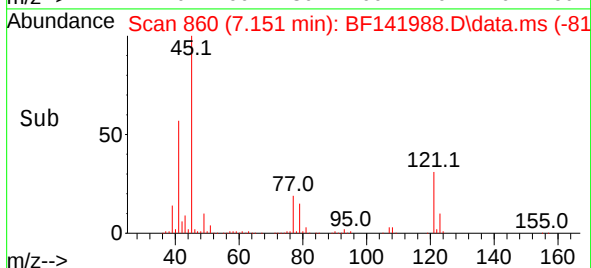
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

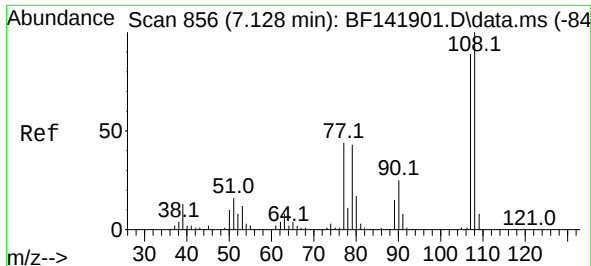


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.359 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



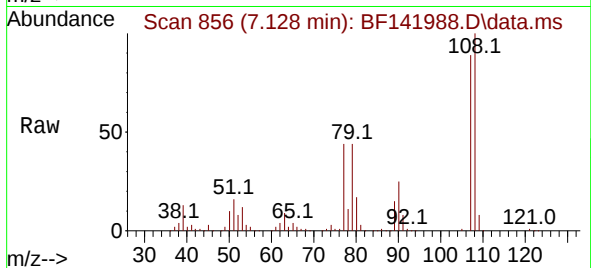
Tgt Ion: 45 Resp: 462263
Ion Ratio Lower Upper
45 100
77 18.8 0.0 37.8
79 14.8 0.0 34.2





#17
2-Methylphenol
Concen: 45.750 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

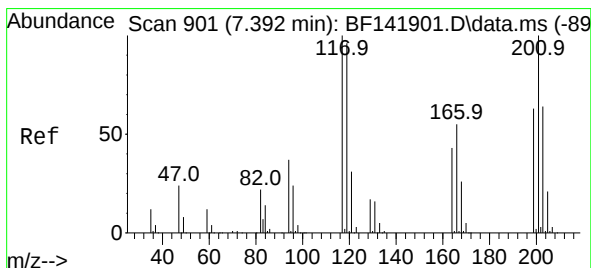
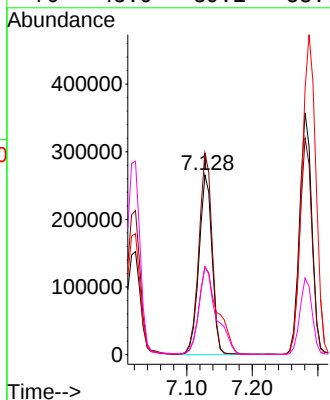
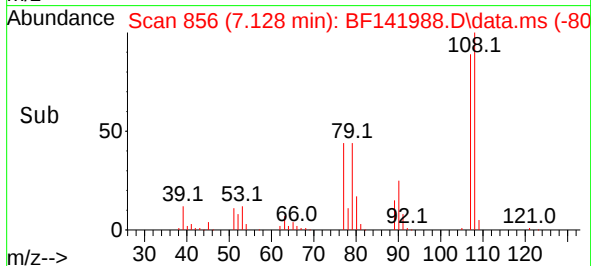
Instrument :
BNA_F
ClientSampleId :
PB167168BS



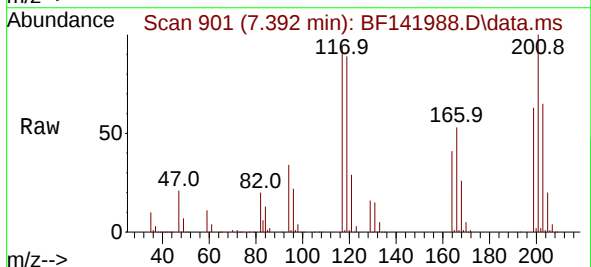
Tgt Ion:107 Resp: 37135
Ion Ratio Lower Upper
107 100
108 112.3 90.2 135.2
77 48.9 39.6 59.4
79 48.9 39.1 58.7

Manual Integrations
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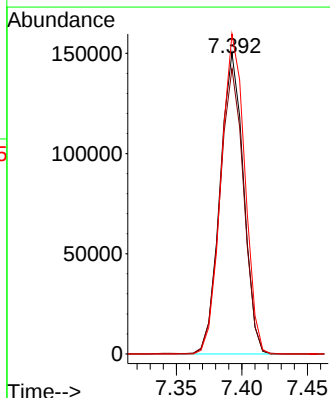
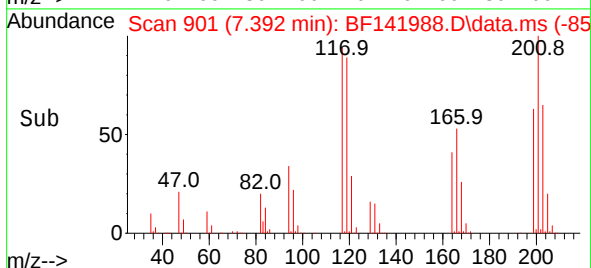
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

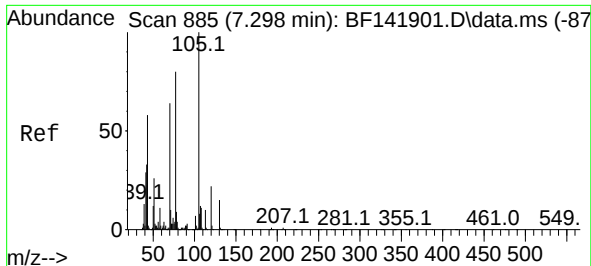


#18
Hexachloroethane
Concen: 44.646 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion:117 Resp: 186696
Ion Ratio Lower Upper
117 100
119 94.8 76.9 115.3
201 106.3 79.9 119.9





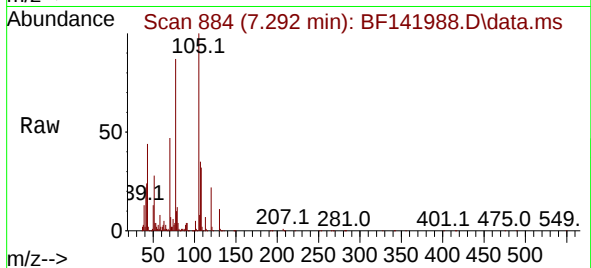
#19
n-Nitroso-di-n-propylamine
Concen: 41.846 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

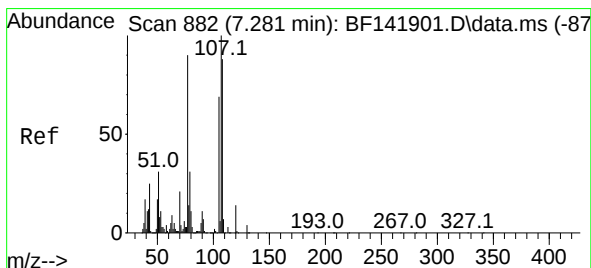
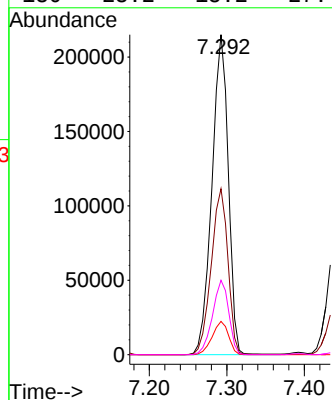
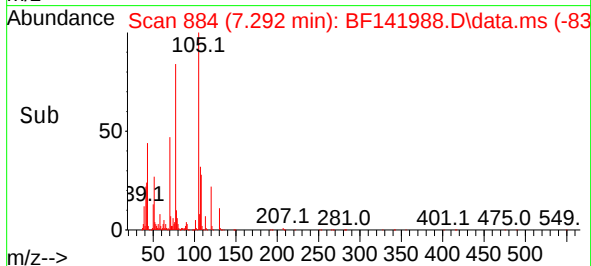


Tgt Ion: 70 Resp: 31512
Ion Ratio Lower Upper
70 100
42 51.9 41.4 62.0
101 10.4 8.2 12.2
130 23.2 18.2 27.4

Manual Integrations

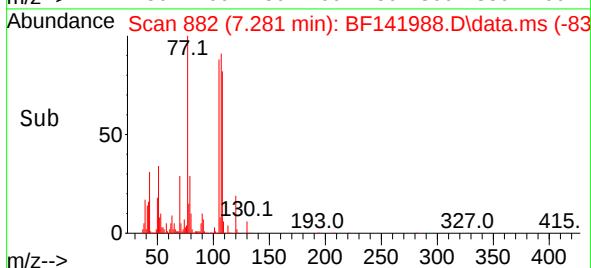
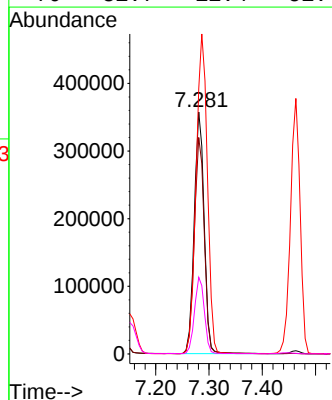
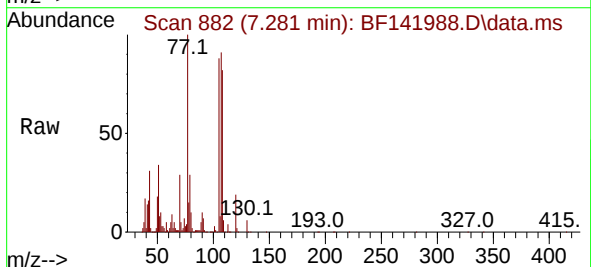
APPROVED

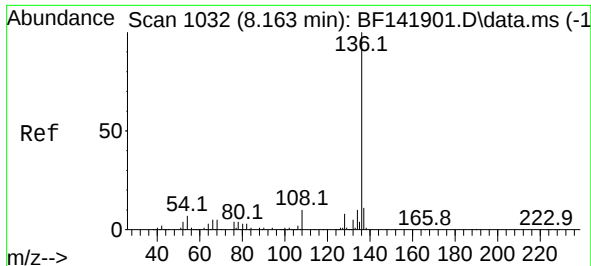
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#20
3+4-Methylphenols
Concen: 44.683 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:107 Resp: 464568
Ion Ratio Lower Upper
107 100
108 89.5 68.4 108.4
77 109.7 69.7 109.7#
79 31.7 11.4 51.4





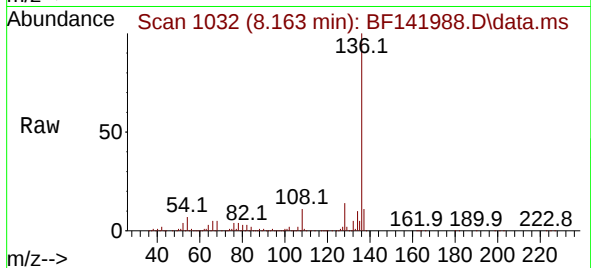
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

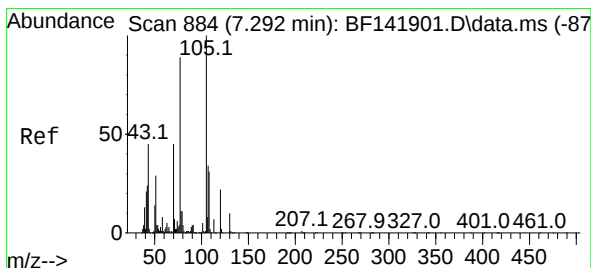
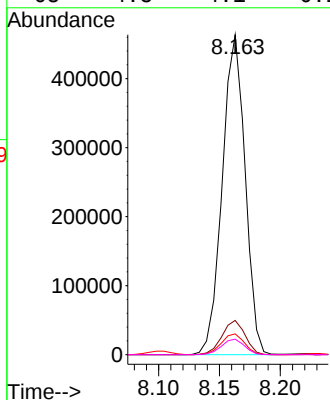
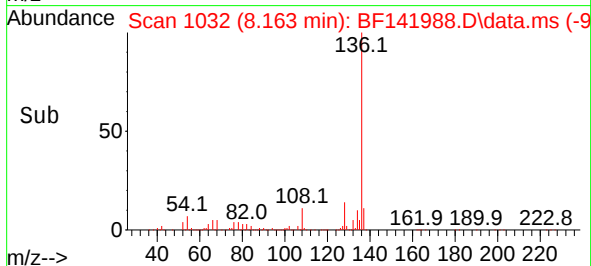


Tgt Ion:136 Resp: 60512
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.5 5.8 8.8
68 4.8 4.1 6.1

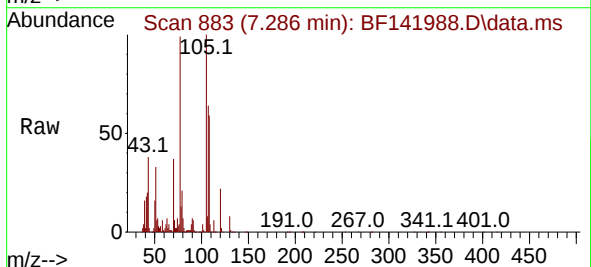
Manual Integrations

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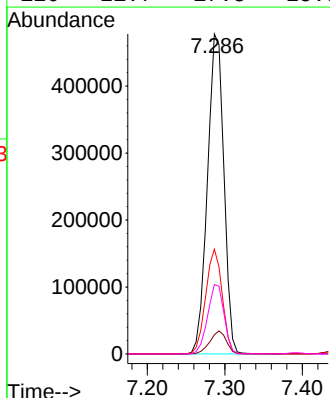
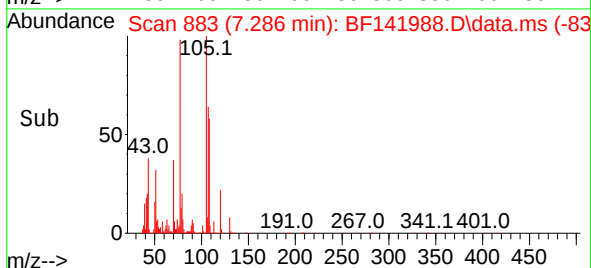
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

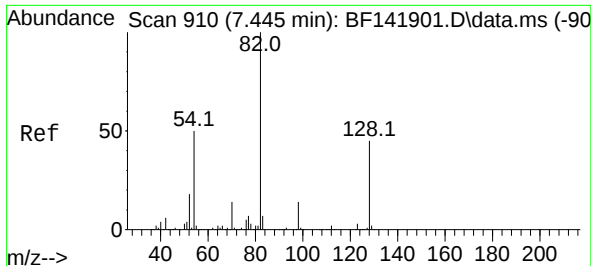


#22
Acetophenone
Concen: 48.567 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion:105 Resp: 703789
Ion Ratio Lower Upper
105 100
71 6.0 5.8 8.8
51 32.7 23.4 35.0
120 21.7 17.3 25.9





#23

Nitrobenzene-d5

Concen: 97.032 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion: 82 Resp: 104336

Ion Ratio Lower Upper

82 100

128 45.8 36.0 54.0

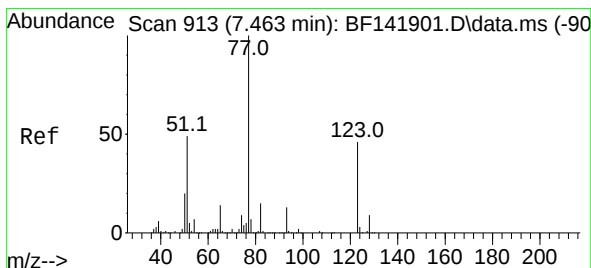
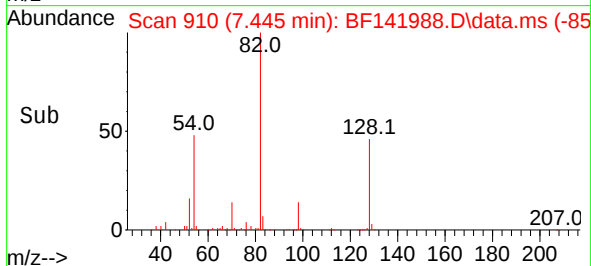
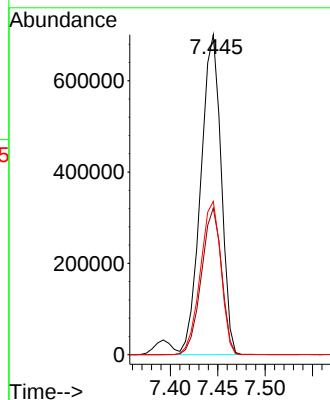
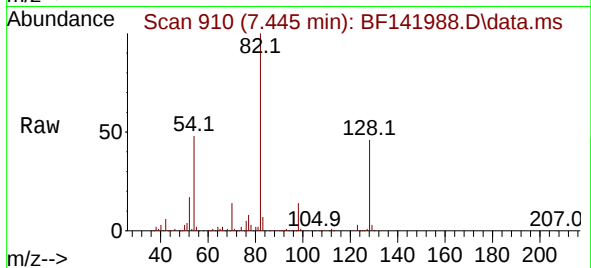
54 47.9 39.6 59.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#24

Nitrobenzene

Concen: 44.560 ng

RT: 7.463 min Scan# 913

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

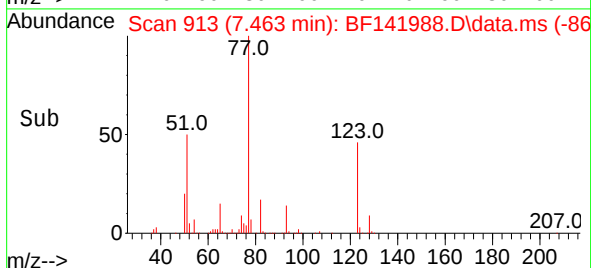
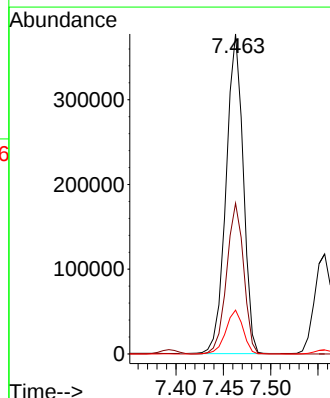
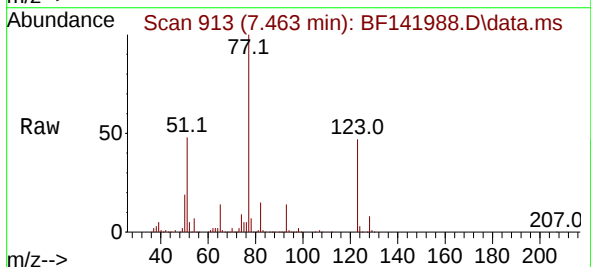
Tgt Ion: 77 Resp: 476326

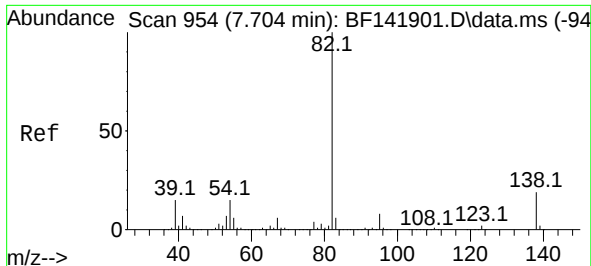
Ion Ratio Lower Upper

77 100

123 47.1 37.0 55.4

65 13.7 11.3 16.9





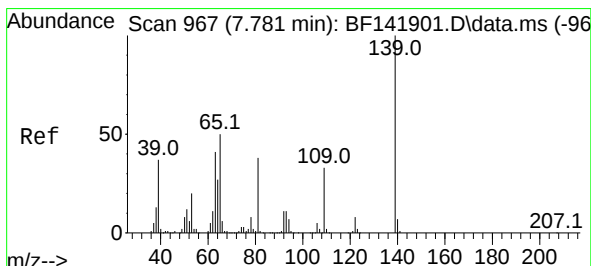
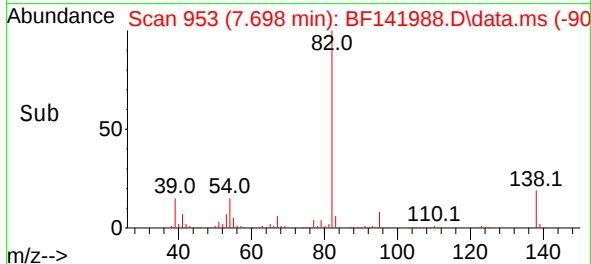
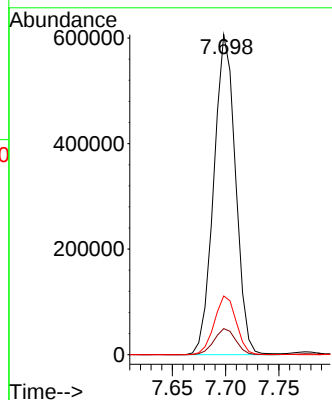
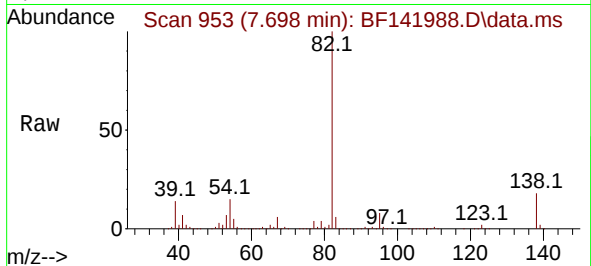
#25
Isophorone
Concen: 45.339 ng
RT: 7.698 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :
BNA_F
ClientSampleId :
PB167168BS

Tgt Ion: 82 Resp: 861774
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.3 14.9 22.3

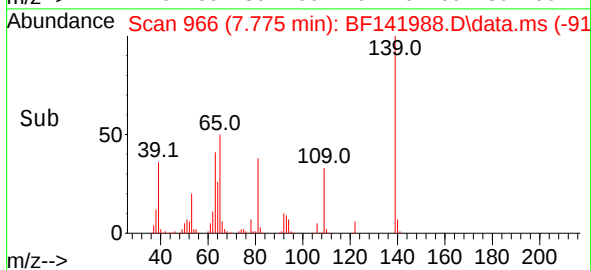
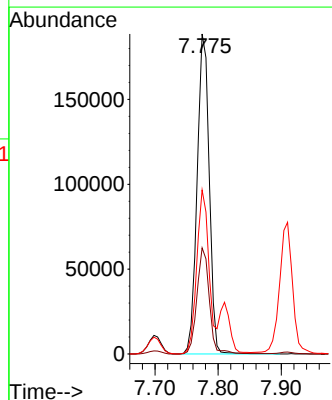
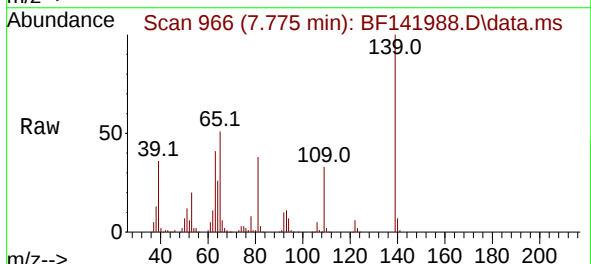
Manual Integrations
APPROVED

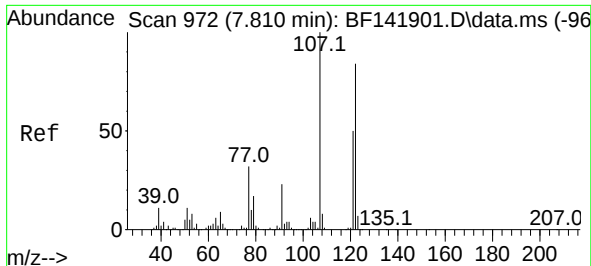
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#26
2-Nitrophenol
Concen: 47.756 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:139 Resp: 250549
Ion Ratio Lower Upper
139 100
109 33.1 26.5 39.7
65 51.2 40.3 60.5





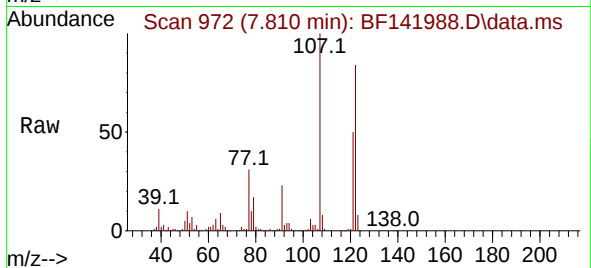
#27
2,4-Dimethylphenol
Concen: 55.226 ng
RT: 7.810 min Scan# 912
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

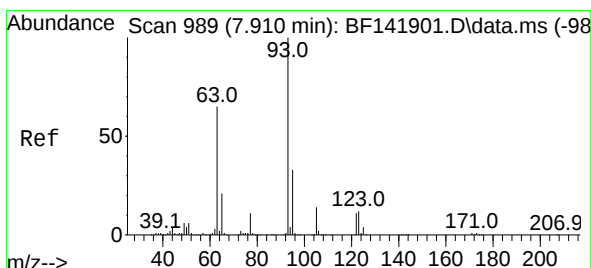
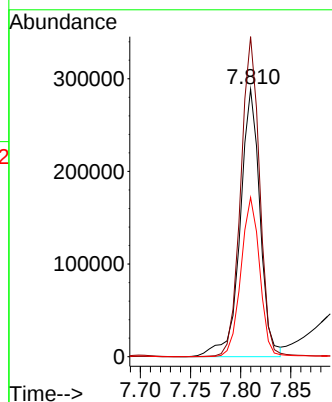
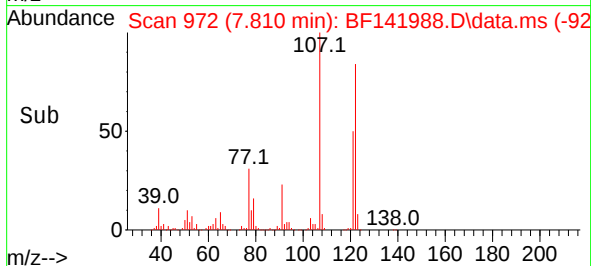


Tgt Ion:122 Resp: 39895
Ion Ratio Lower Upper
122 100
107 119.6 94.8 142.2
121 59.5 47.8 71.6

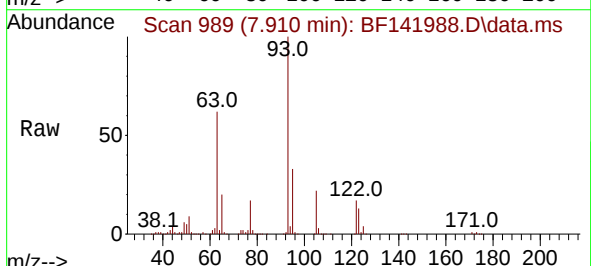
Manual Integrations

APPROVED

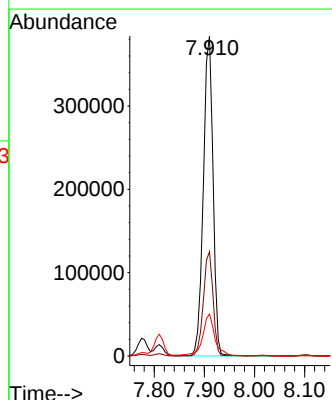
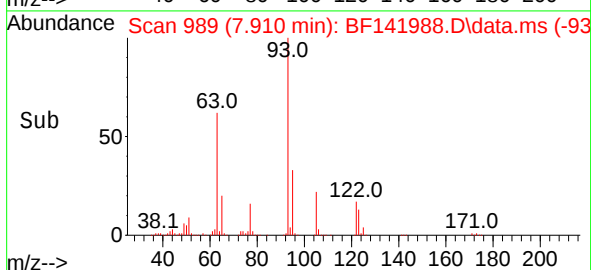
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

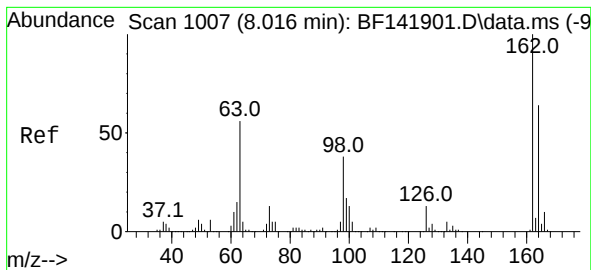


#28
bis(2-Chloroethoxy)methane
Concen: 43.409 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



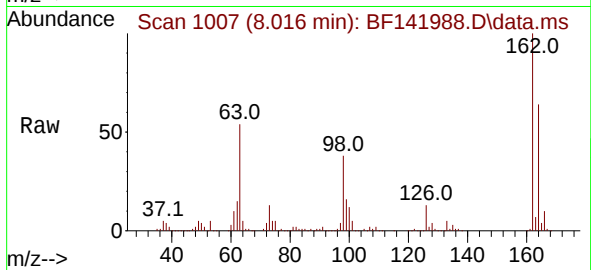
Tgt Ion: 93 Resp: 517502
Ion Ratio Lower Upper
93 100
95 32.6 26.6 40.0
123 13.1 10.2 15.4





#29
2,4-Dichlorophenol
Concen: 44.955 ng
RT: 8.016 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

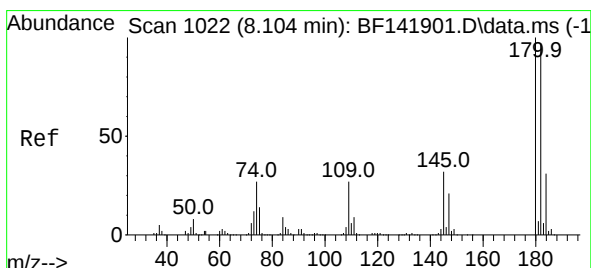
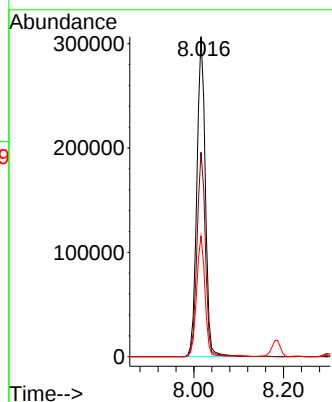
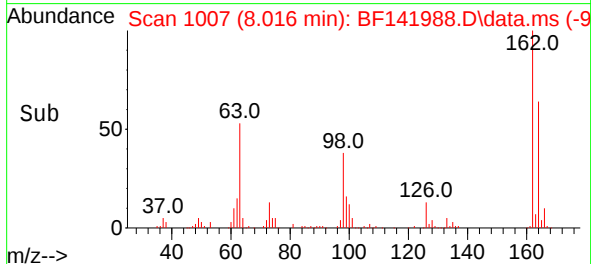
Instrument :
BNA_F
ClientSampleId :
PB167168BS



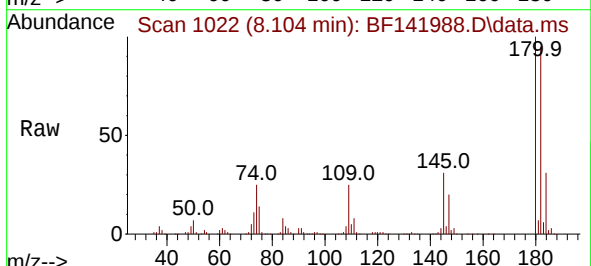
Tgt Ion:162 Resp: 40310
Ion Ratio Lower Upper
162 100
164 63.9 43.8 83.8
98 37.7 18.1 58.1

Manual Integrations
APPROVED

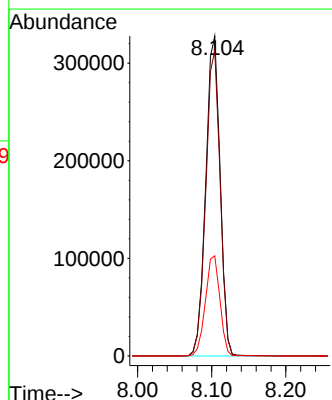
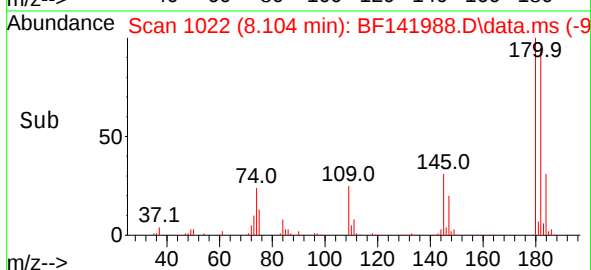
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

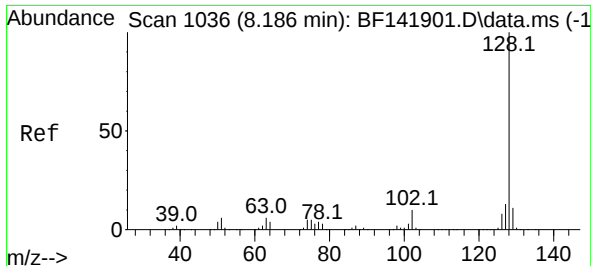


#30
1,2,4-Trichlorobenzene
Concen: 44.802 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



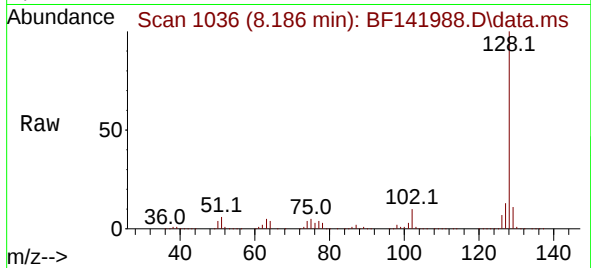
Tgt Ion:180 Resp: 442720
Ion Ratio Lower Upper
180 100
182 95.4 77.5 116.3
145 31.3 25.8 38.6





#31
Naphthalene
Concen: 43.417 ng
RT: 8.186 min Scan# 1036
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

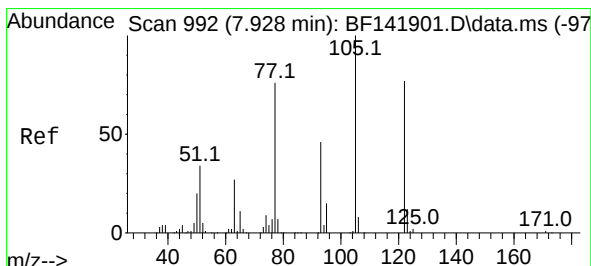
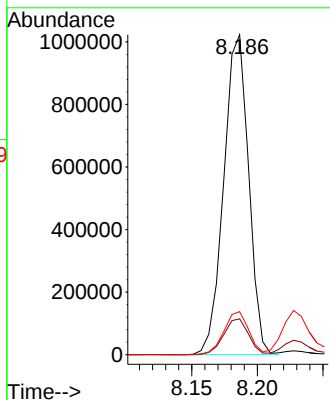
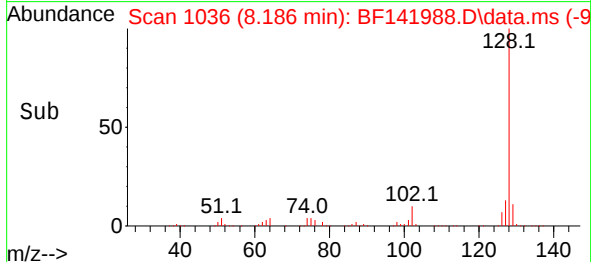
Instrument :
BNA_F
ClientSampleId :
PB167168BS



Tgt Ion:128 Resp: 134958
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.5 10.8 16.2

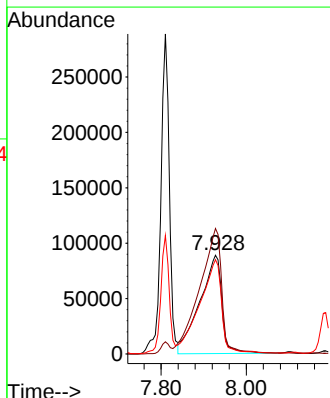
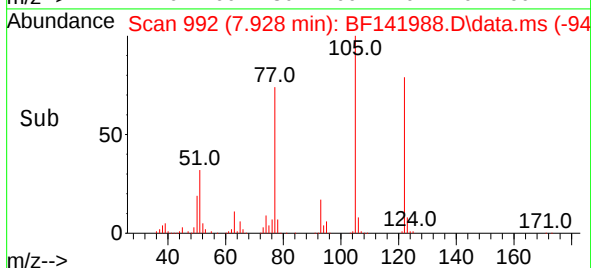
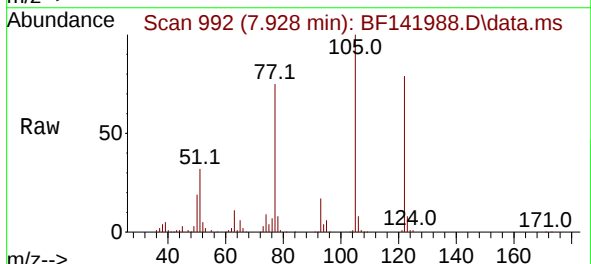
Manual Integrations
APPROVED

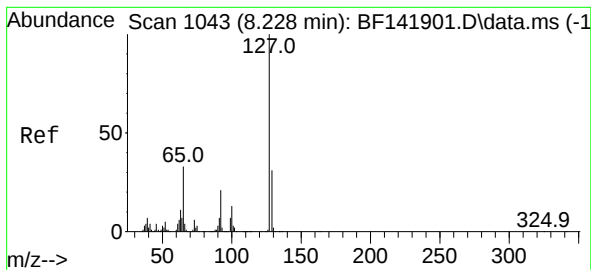
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#32
Benzoic acid
Concen: 50.192 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:122 Resp: 318732
Ion Ratio Lower Upper
122 100
105 126.9 107.9 147.9
77 95.4 79.0 119.0





#33

4-Chloroaniline

Concen: 20.593 ng

RT: 8.228 min Scan# 1043

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion:127 Resp: 22597

Ion Ratio Lower Upper

127 100

129 32.7 26.2 39.4

65 29.0 25.4 38.2

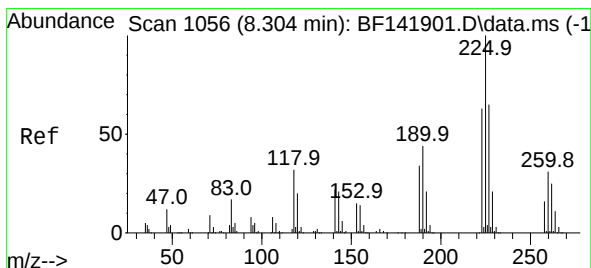
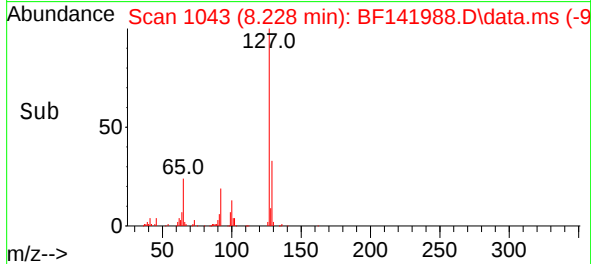
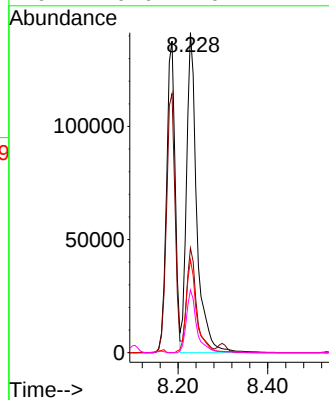
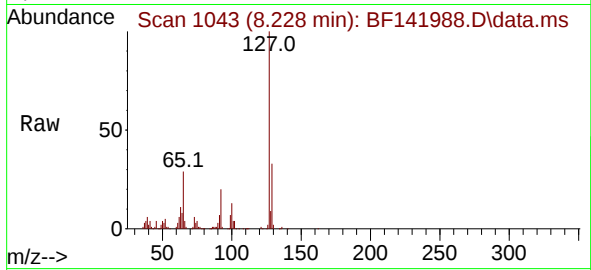
92 19.6 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#34

Hexachlorobutadiene

Concen: 46.093 ng

RT: 8.298 min Scan# 1055

Delta R.T. -0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

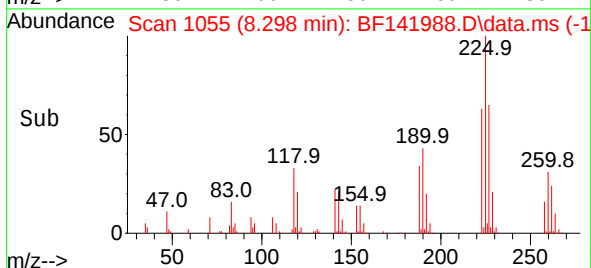
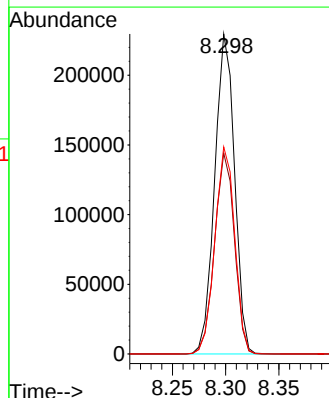
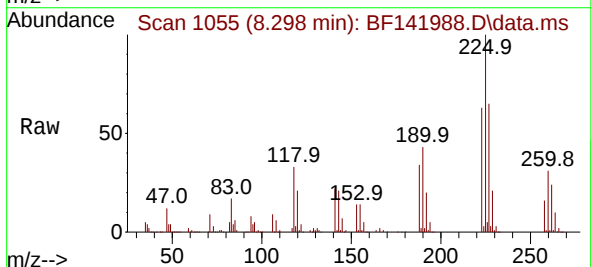
Tgt Ion:225 Resp: 297040

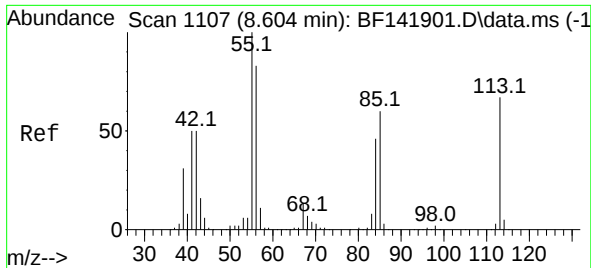
Ion Ratio Lower Upper

225 100

223 62.7 50.6 75.8

227 64.7 52.2 78.2





#35

Caprolactam

Concen: 47.974 ng m

RT: 8.598 min Scan# 1106

Delta R.T. -0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

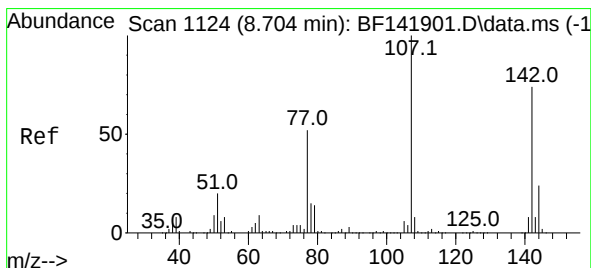
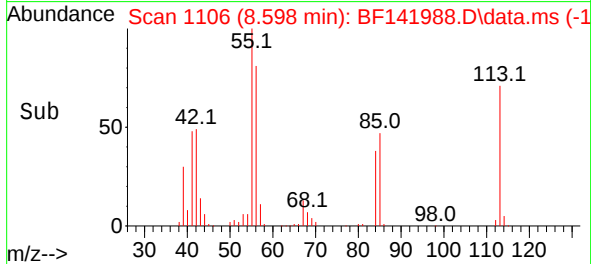
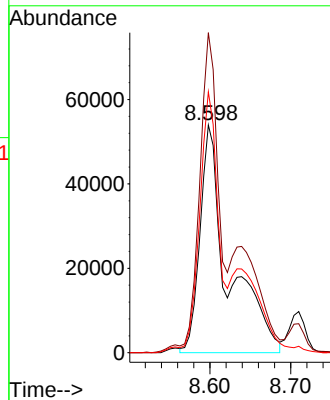
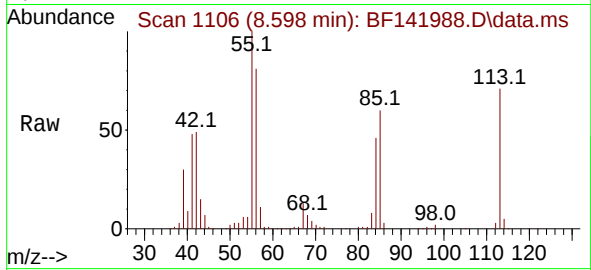
PB167168BS

Tgt Ion:	113	Resp:	131150
Ion Ratio	Lower	Upper	
113	100		
55	140.5	129.6	169.6
56	114.5	104.0	144.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#36

4-Chloro-3-methylphenol

Concen: 43.152 ng

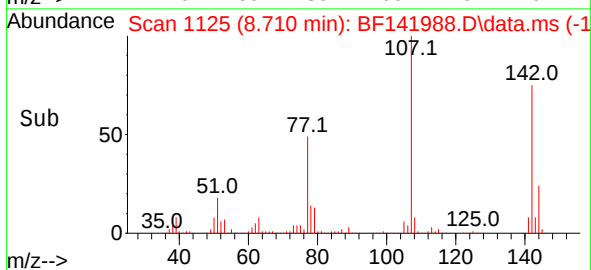
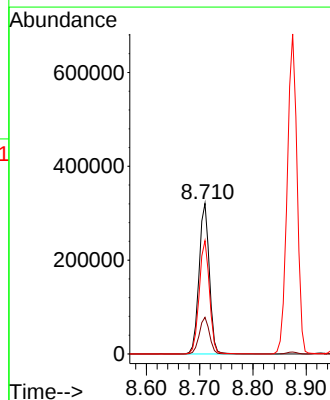
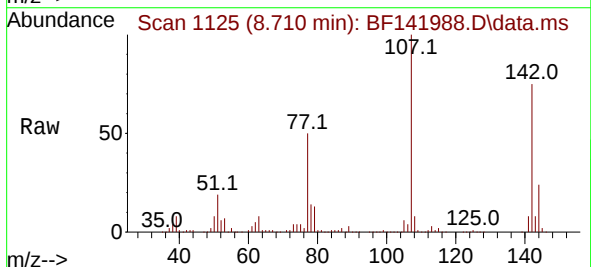
RT: 8.710 min Scan# 1125

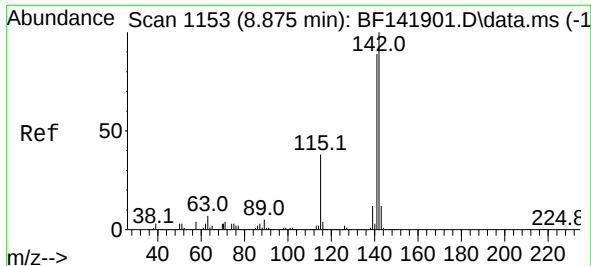
Delta R.T. 0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Tgt Ion:	107	Resp:	431630
Ion Ratio	Lower	Upper	
107	100		
144	24.3	19.0	28.6
142	75.2	59.2	88.8





#37

2-Methylnaphthalene

Concen: 42.173 ng

RT: 8.875 min Scan# 1153

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion:142 Resp: 876224

Ion Ratio Lower Upper

142 100

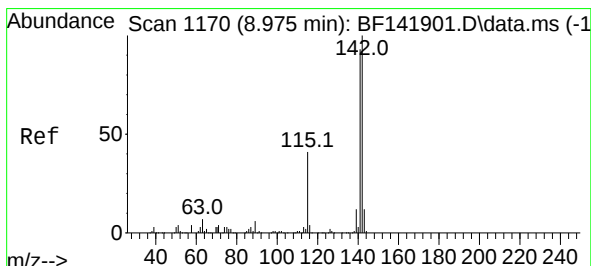
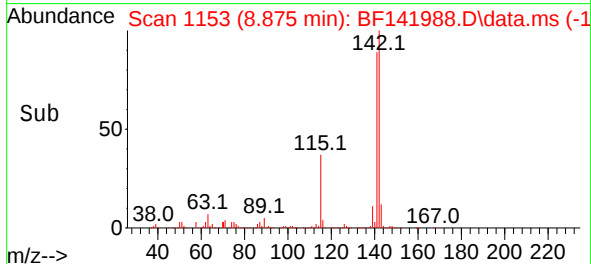
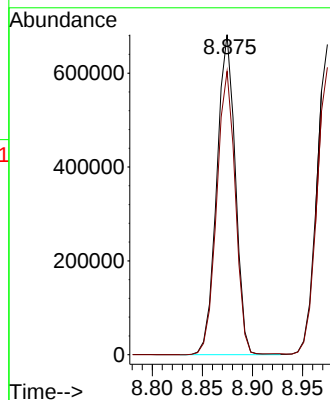
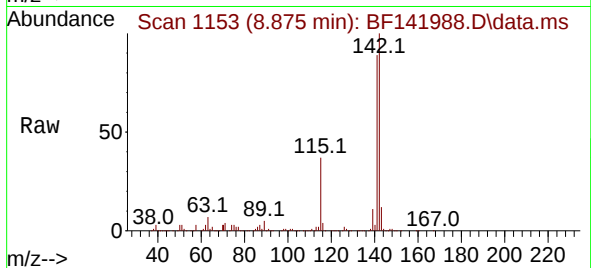
141 88.6 71.2 106.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#38

1-Methylnaphthalene

Concen: 42.077 ng

RT: 8.975 min Scan# 1170

Delta R.T. 0.000 min

Lab File: BF141988.D

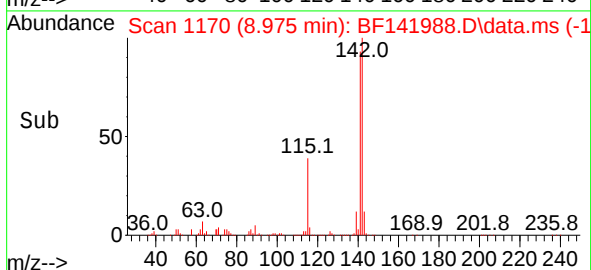
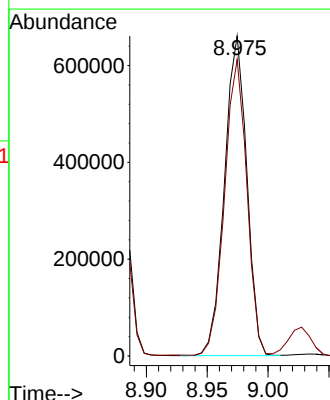
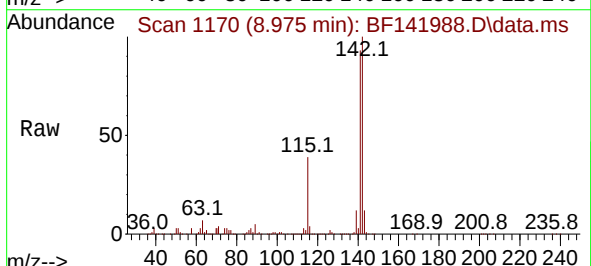
Acq: 18 Mar 2025 10:59

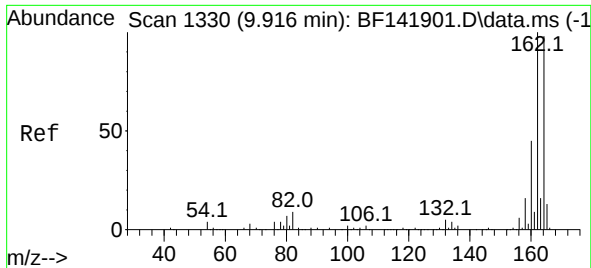
Tgt Ion:142 Resp: 843623

Ion Ratio Lower Upper

142 100

141 92.6 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1181

Delta R.T. -0.000 min

Lab File: BF141988.D

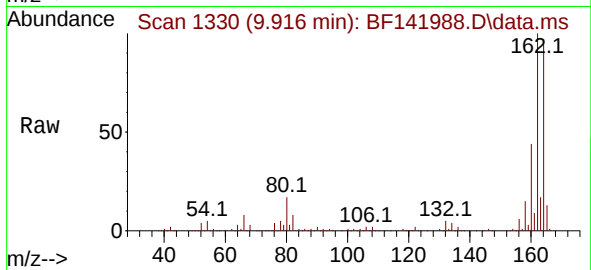
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS



Tgt Ion:164 Resp: 333256

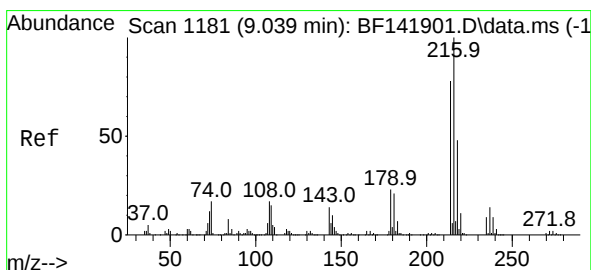
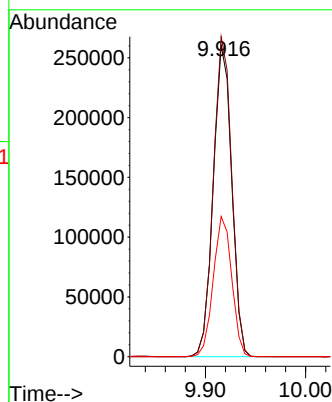
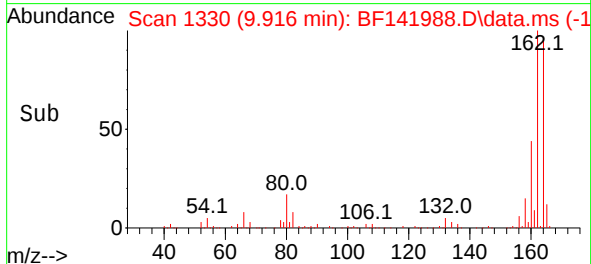
Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	45.0	36.7	55.1

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.726 ng

RT: 9.039 min Scan# 1181

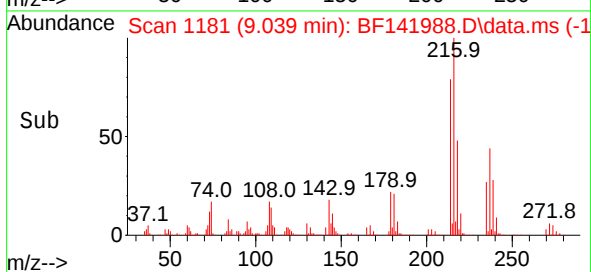
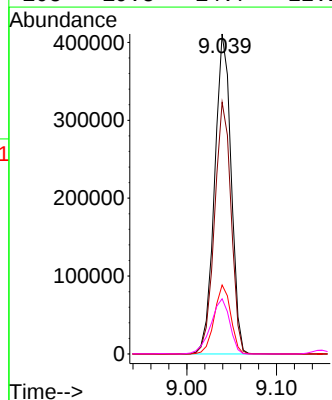
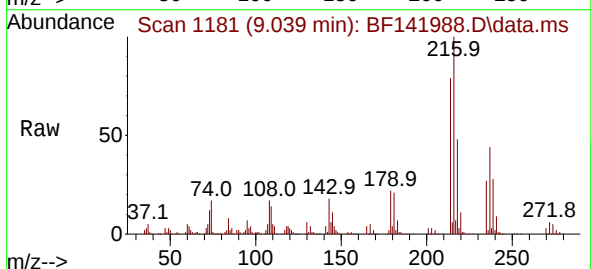
Delta R.T. 0.000 min

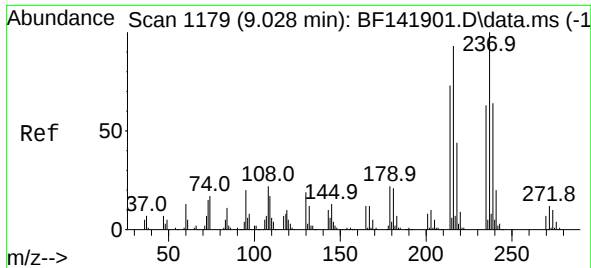
Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Tgt Ion:216 Resp: 524826

Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.9	92.9
179	21.4	18.1	27.1
108	19.8	14.7	22.1





#41
Hexachlorocyclopentadiene
Concen: 168.290 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

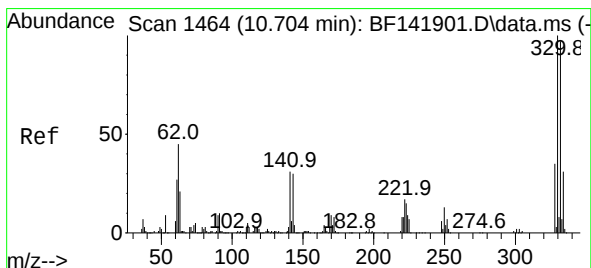
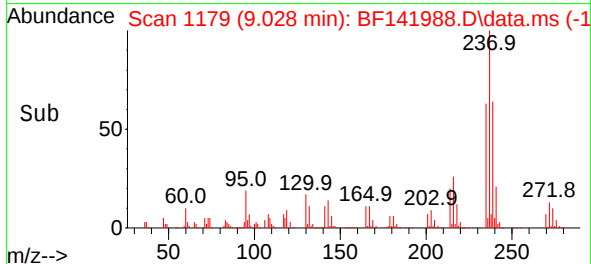
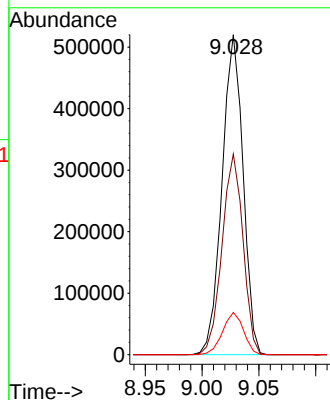
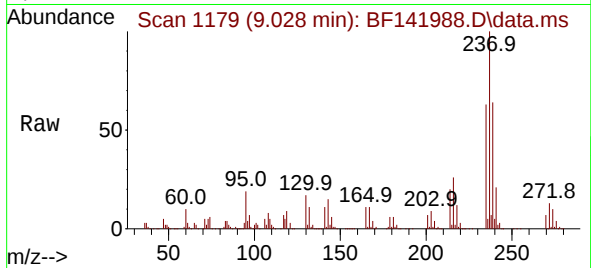
PB167168BS

Tgt Ion:237 Resp: 668250
Ion Ratio Lower Upper
237 100
235 62.7 43.1 83.1
272 13.2 0.0 32.0

Manual Integrations

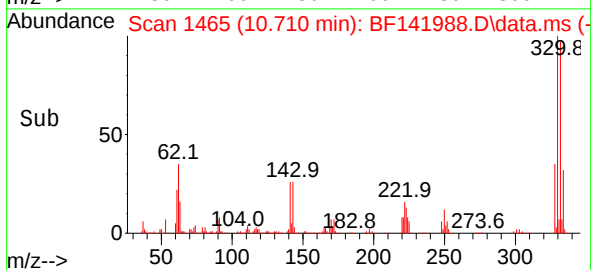
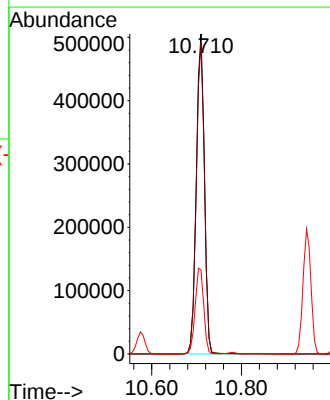
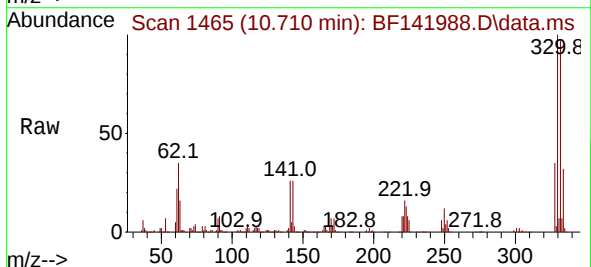
APPROVED

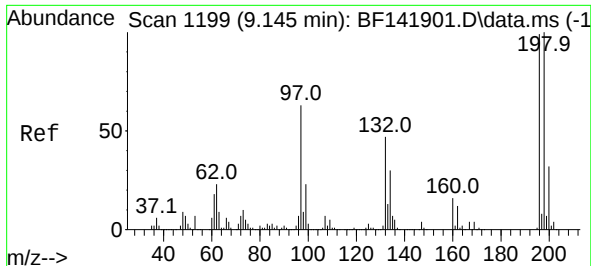
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#42
2,4,6-Tribromophenol
Concen: 150.024 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

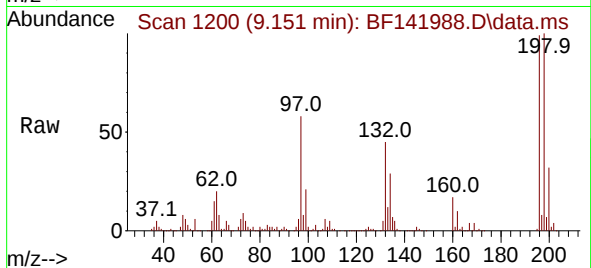
Tgt Ion:330 Resp: 634270
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 28.4 24.7 37.1





#43
2,4,6-Trichlorophenol
Concen: 45.456 ng
RT: 9.151 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

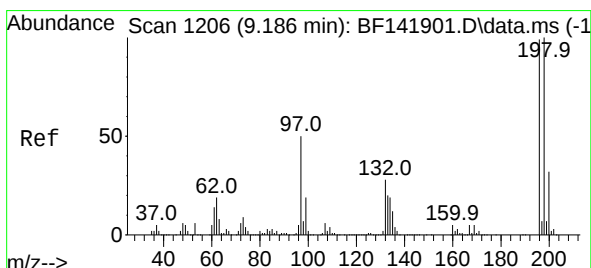
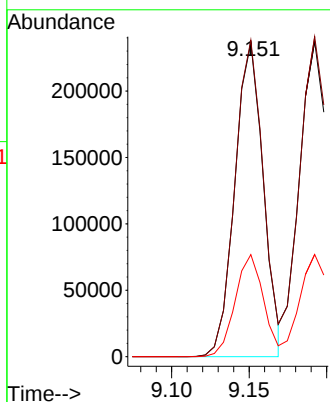
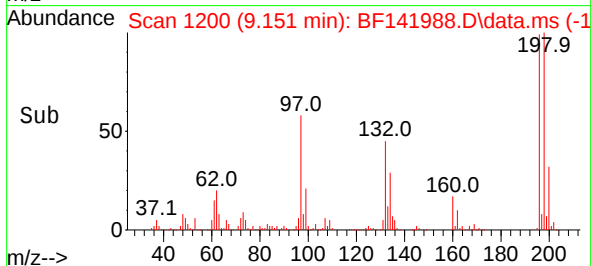
Instrument :
BNA_F
ClientSampleId :
PB167168BS



Tgt Ion:196 Resp: 30141
Ion Ratio Lower Upper
196 100
198 100.9 80.6 121.0
200 32.5 25.8 38.6

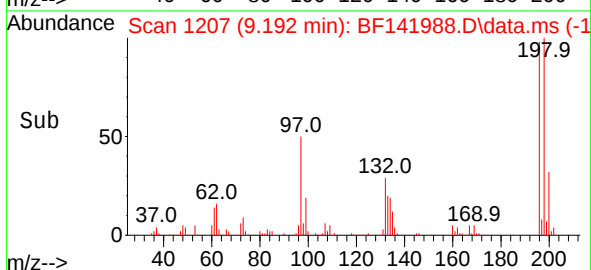
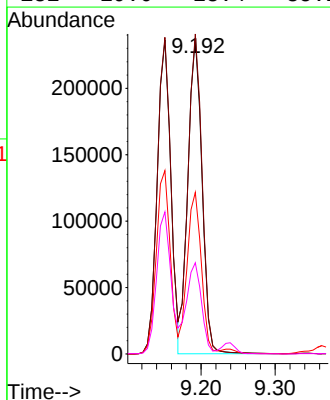
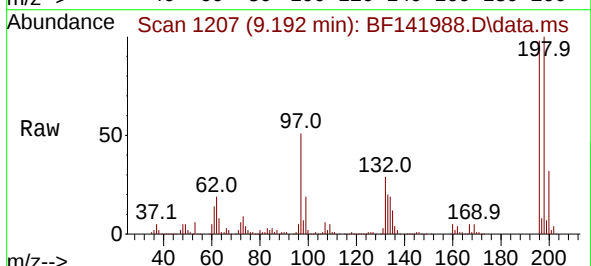
Manual Integrations
APPROVED

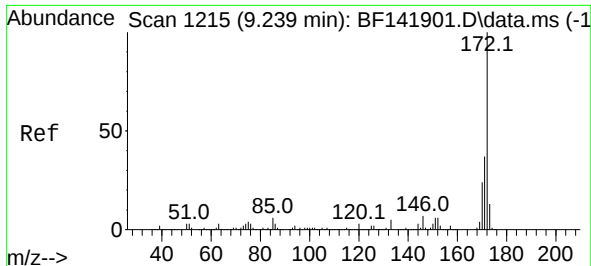
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#44
2,4,5-Trichlorophenol
Concen: 46.874 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:196 Resp: 314799
Ion Ratio Lower Upper
196 100
198 101.5 80.7 121.1
97 51.3 42.1 63.1
132 29.0 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 97.649 ng

RT: 9.239 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion:172 Resp: 2139790

Ion Ratio Lower Upper

172 100

171 36.3 29.3 43.9

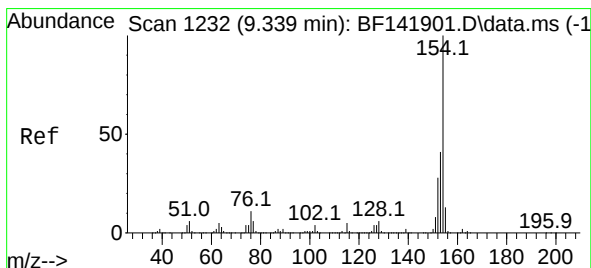
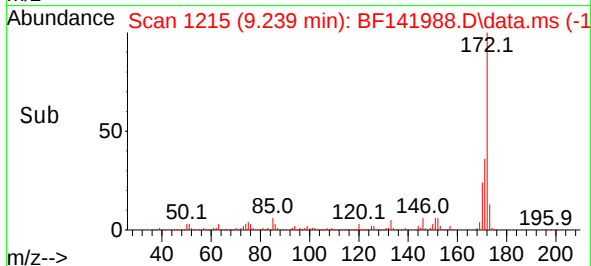
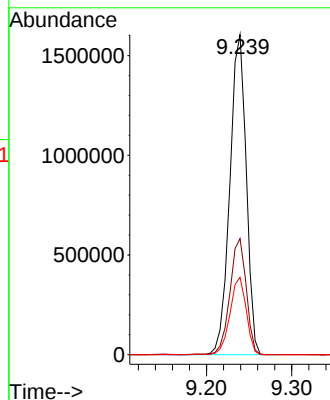
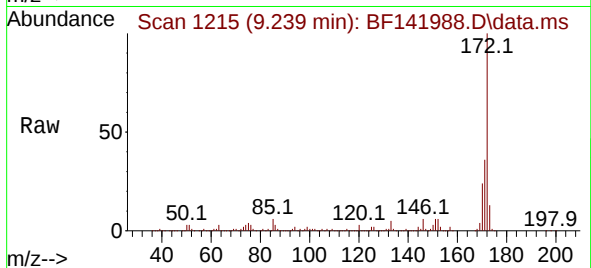
170 24.1 19.4 29.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#46

1,1'-Biphenyl

Concen: 49.420 ng

RT: 9.339 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

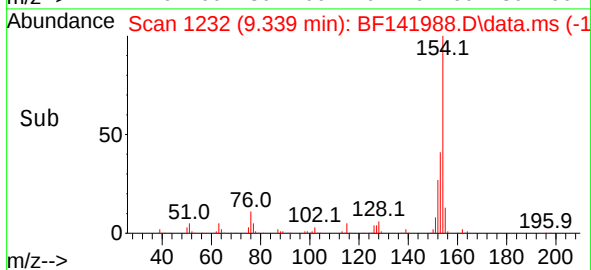
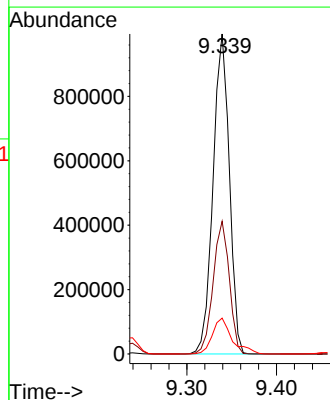
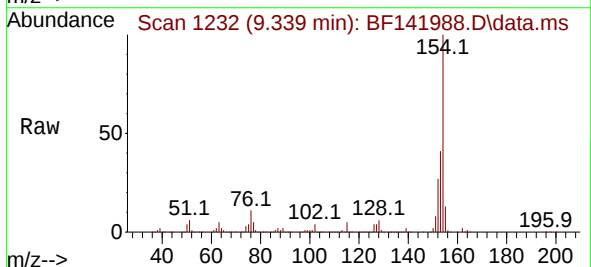
Tgt Ion:154 Resp: 1251387

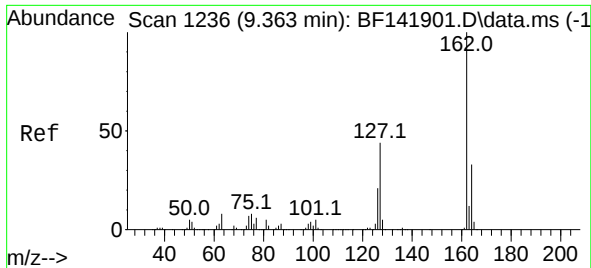
Ion Ratio Lower Upper

154 100

153 41.4 21.1 61.1

76 11.2 0.0 31.3





#47

2-Chloronaphthalene

Concen: 45.544 ng

RT: 9.363 min Scan# 1236

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion:162 Resp: 85955

Ion Ratio Lower Upper

162 100

127 43.8 35.5 53.3

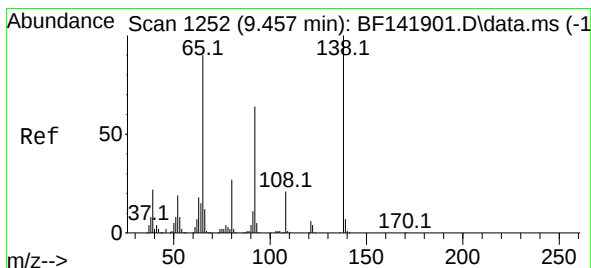
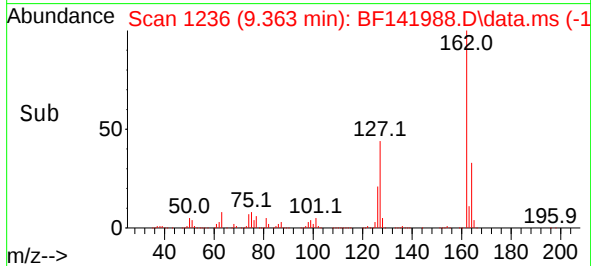
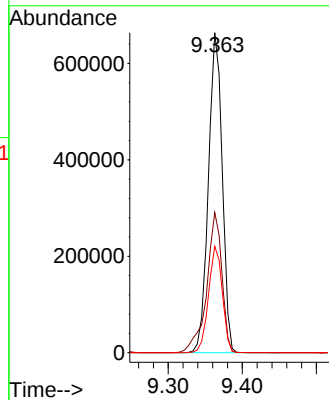
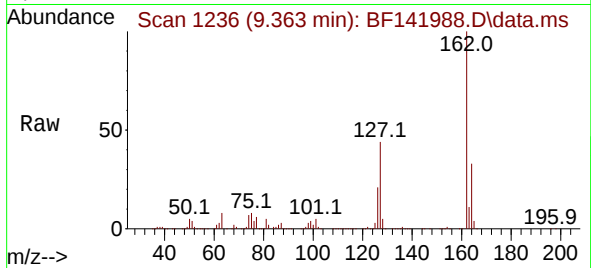
164 33.2 26.6 40.0

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#48

2-Nitroaniline

Concen: 44.601 ng

RT: 9.457 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

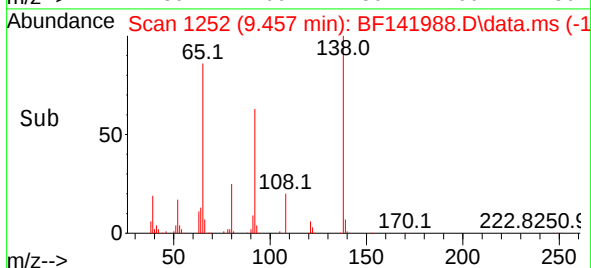
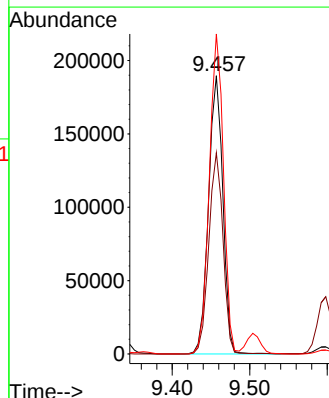
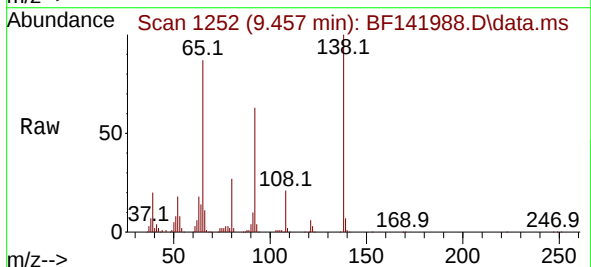
Tgt Ion: 65 Resp: 243726

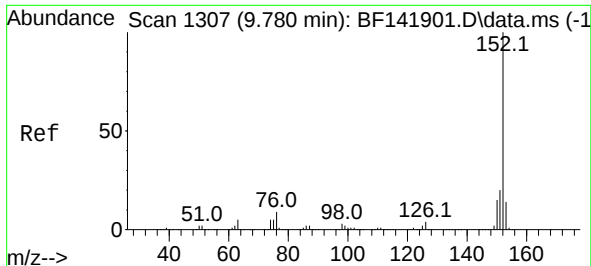
Ion Ratio Lower Upper

65 100

92 72.3 56.6 84.8

138 115.0 88.6 133.0





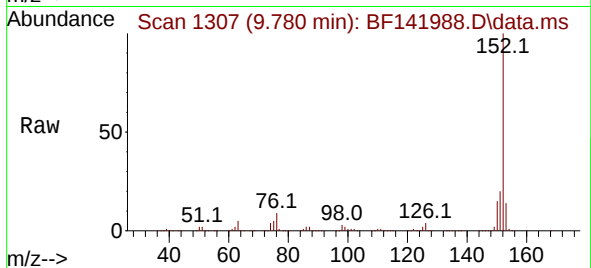
#49
Acenaphthylene
Concen: 47.682 ng
RT: 9.780 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

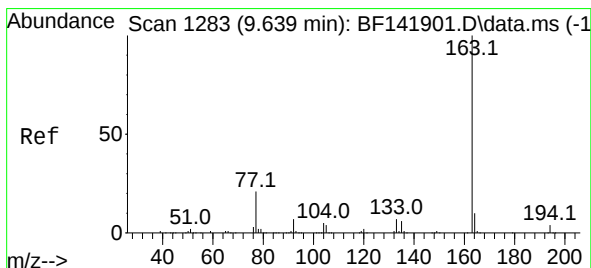
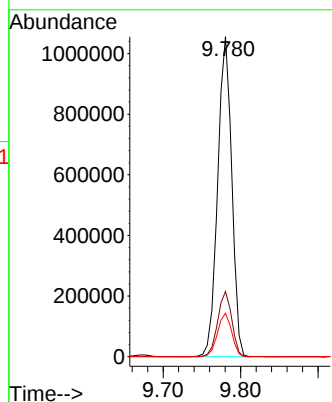
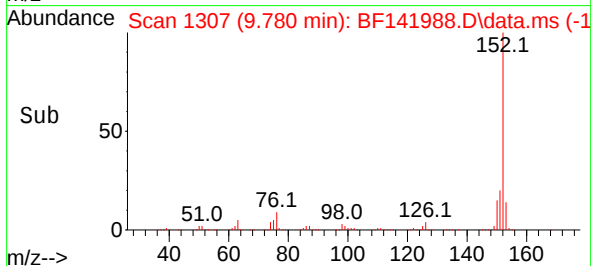


Tgt Ion:152 Resp: 133543
Ion Ratio Lower Upper
152 100
151 20.4 16.3 24.5
153 13.5 11.1 16.7

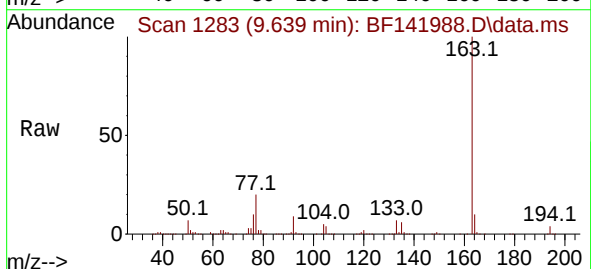
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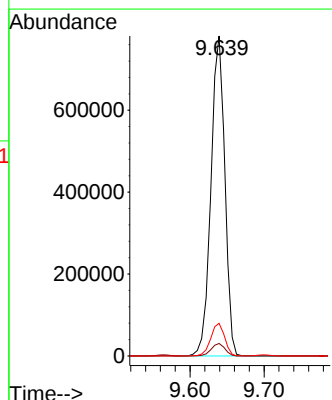
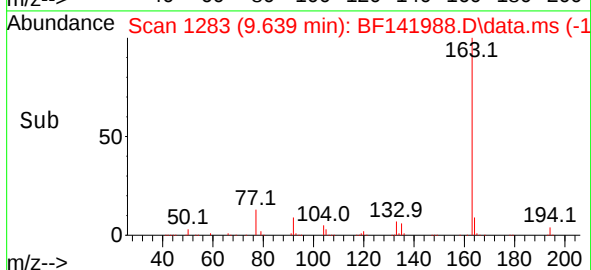
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

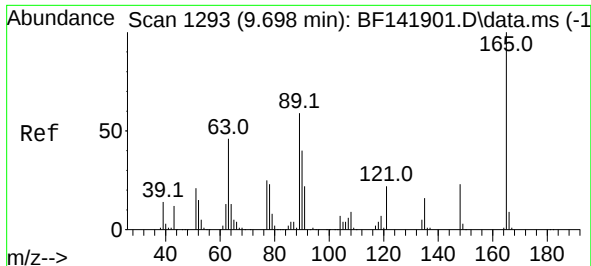


#50
Dimethylphthalate
Concen: 43.521 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion:163 Resp: 1015664
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.2 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 45.610 ng

RT: 9.698 min Scan# 1293

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

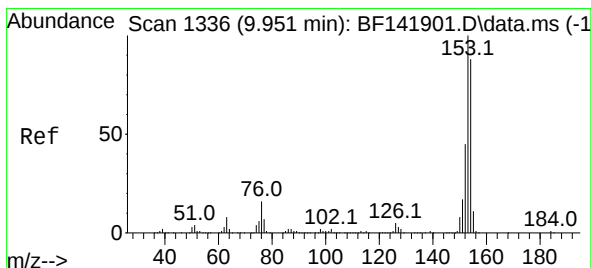
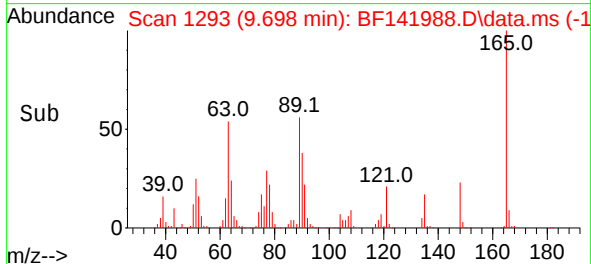
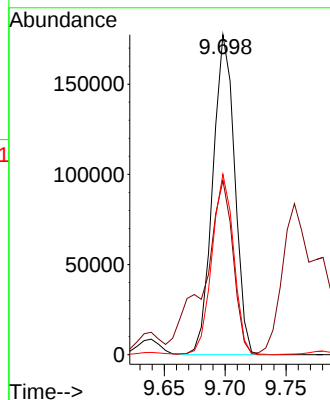
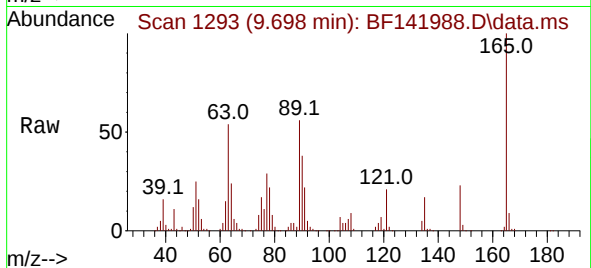
PB167168BS

Tgt Ion:165	Resp: 22161
Ion Ratio	Lower Upper
165 100	
63 54.5	47.0 70.4
89 56.4	47.4 71.2

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#52

Acenaphthene

Concen: 50.351 ng

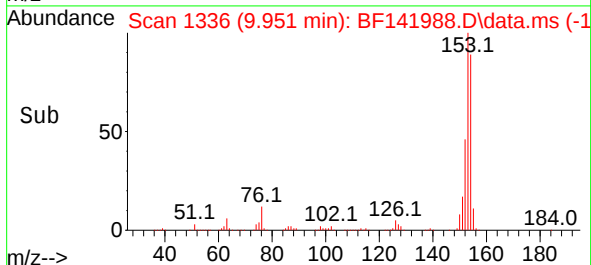
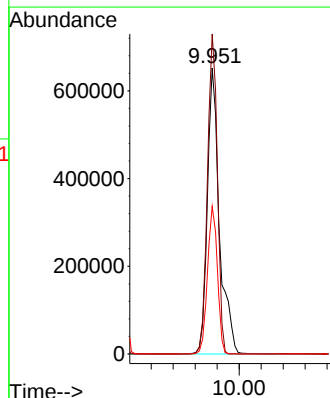
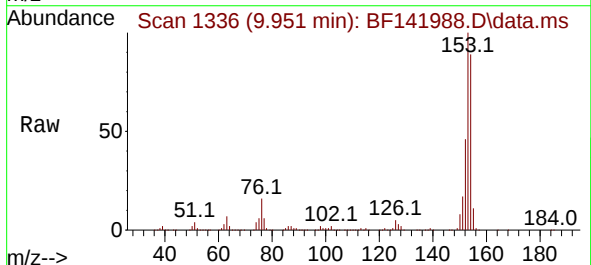
RT: 9.951 min Scan# 1336

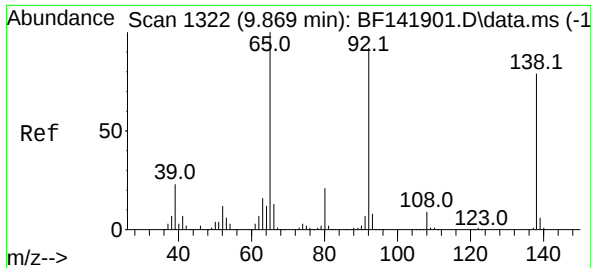
Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Tgt Ion:154	Resp: 991021
Ion Ratio	Lower Upper
154 100	
153 111.9	90.7 136.1
152 51.7	41.1 61.7





#53
3-Nitroaniline
Concen: 27.894 ng
RT: 9.869 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

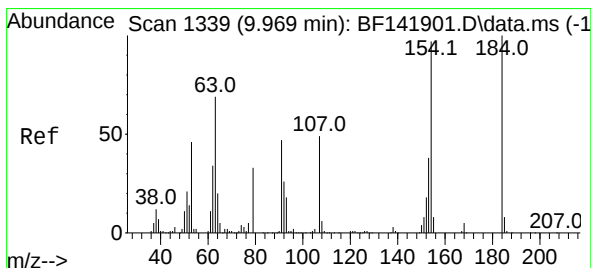
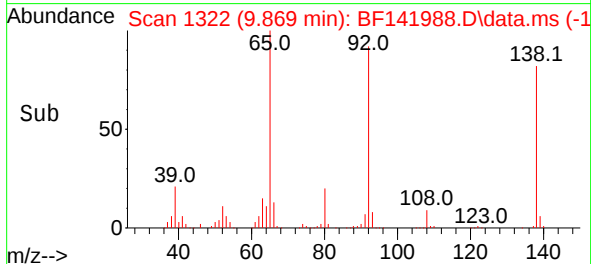
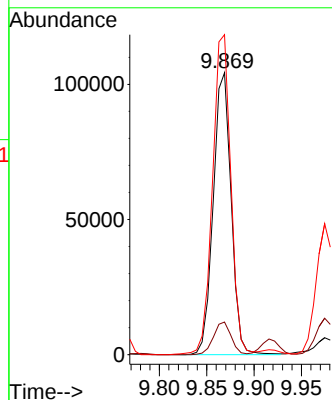
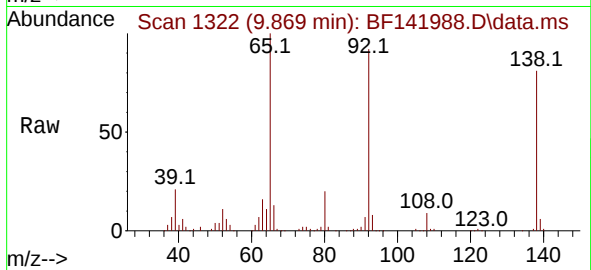
ClientSampleId :

PB167168BS

Tgt Ion:138 Resp: 137483
Ion Ratio Lower Upper
138 100
108 11.6 9.3 13.9
92 113.5 93.5 140.3

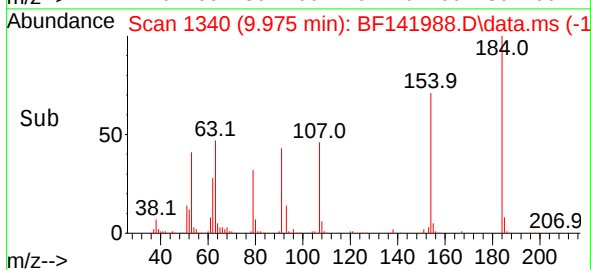
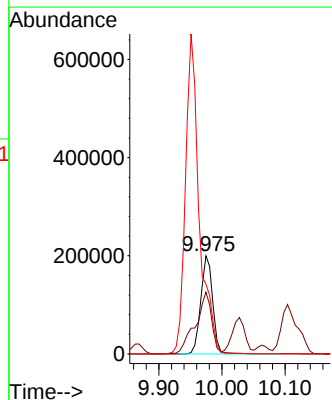
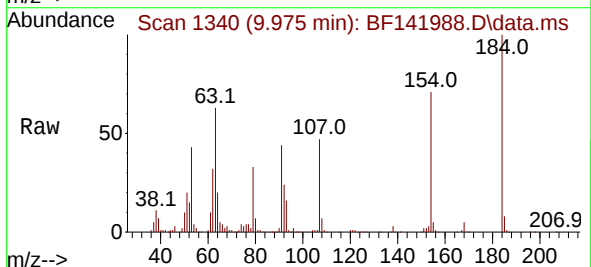
Manual Integrations
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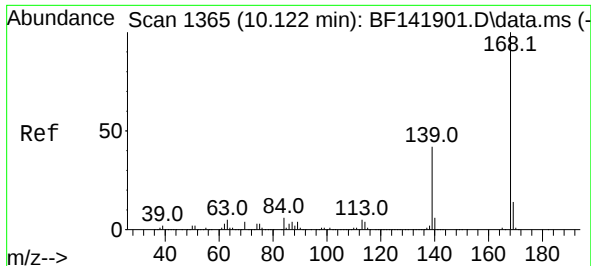
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#54
2,4-Dinitrophenol
Concen: 93.511 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:184 Resp: 261502
Ion Ratio Lower Upper
184 100
63 63.0 60.2 90.4
154 71.1 132.9 199.3#





#55

Dibenzenofuran

Concen: 43.277 ng

RT: 10.122 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion:168 Resp: 1217099

Ion Ratio Lower Upper

168 100

139 41.6 33.9 50.9

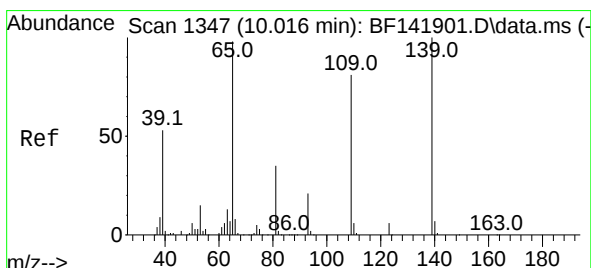
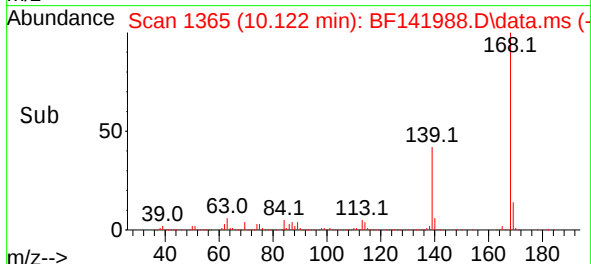
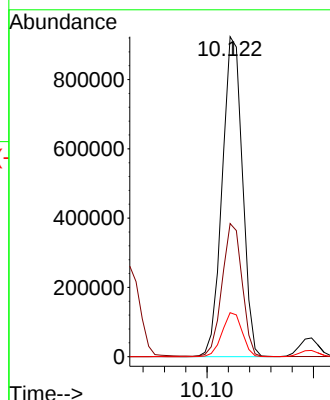
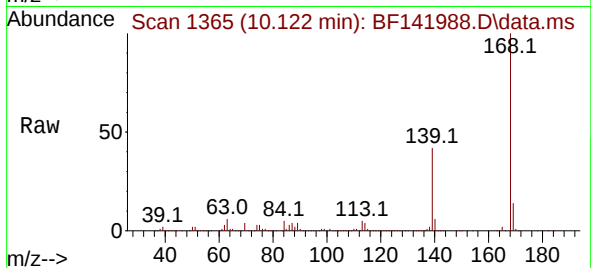
169 13.7 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#56

4-Nitrophenol

Concen: 98.900 ng

RT: 10.027 min Scan# 1349

Delta R.T. 0.012 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

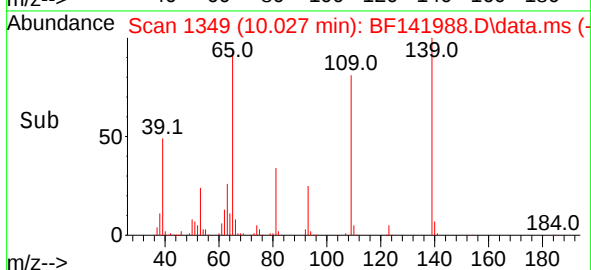
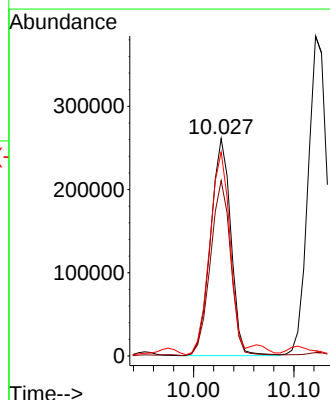
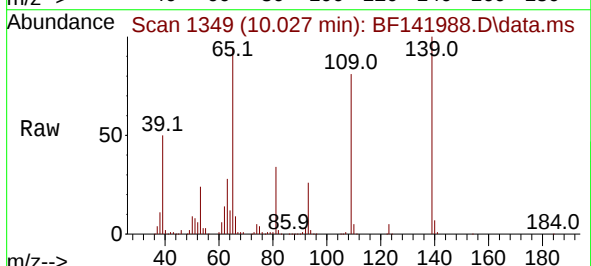
Tgt Ion:139 Resp: 367609

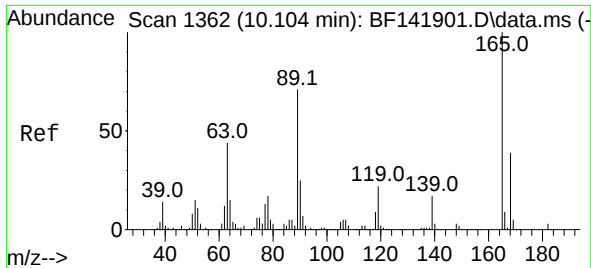
Ion Ratio Lower Upper

139 100

109 80.7 61.6 101.6

65 93.8 79.4 119.4





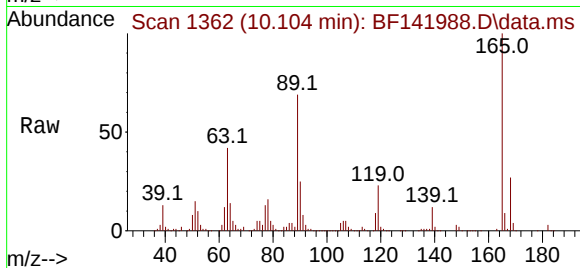
#57
2,4-Dinitrotoluene
Concen: 47.561 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

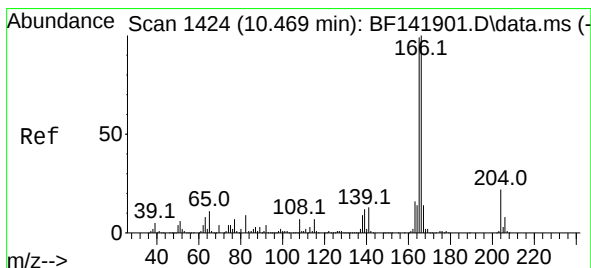
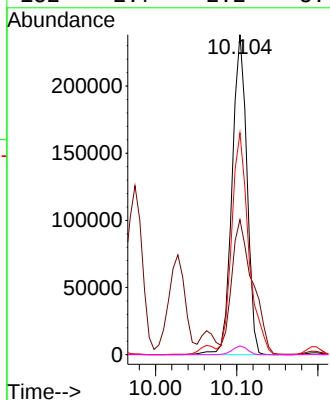
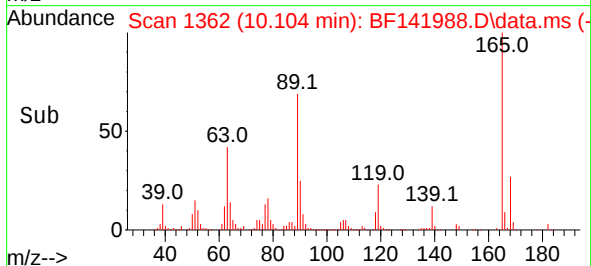


Tgt Ion:165 Resp: 30183
Ion Ratio Lower Upper
165 100
63 42.2 35.4 53.2
89 69.3 56.6 84.8
182 2.7 2.2 3.4

Manual Integrations

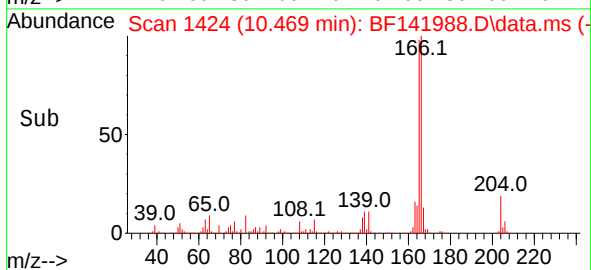
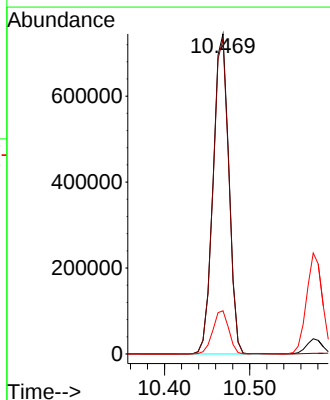
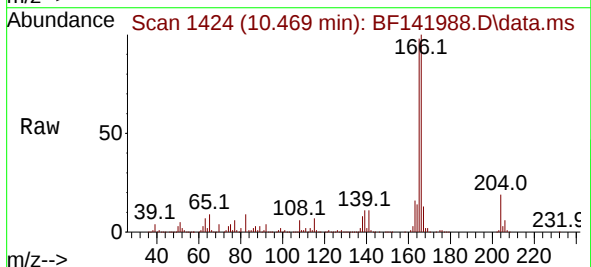
APPROVED

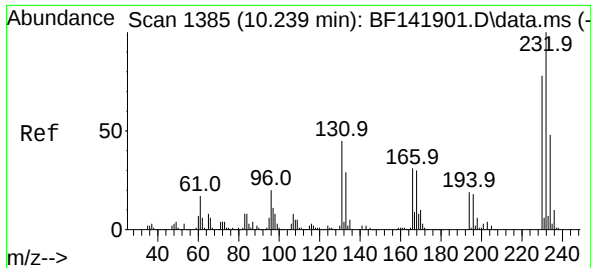
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#58
Fluorene
Concen: 44.021 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

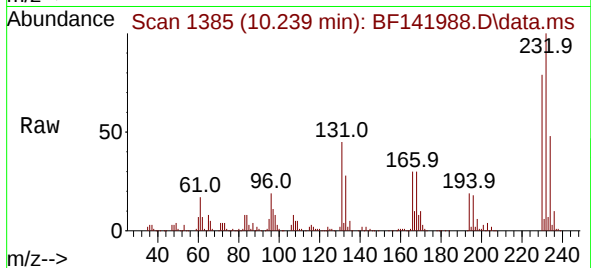
Tgt Ion:166 Resp: 954715
Ion Ratio Lower Upper
166 100
165 98.4 79.0 118.4
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.502 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

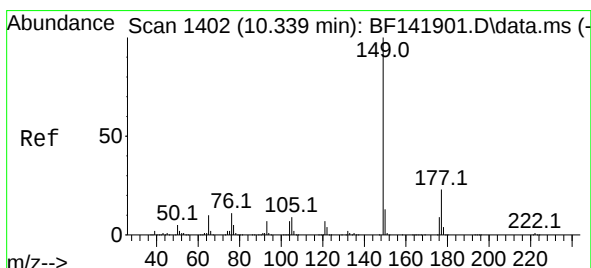
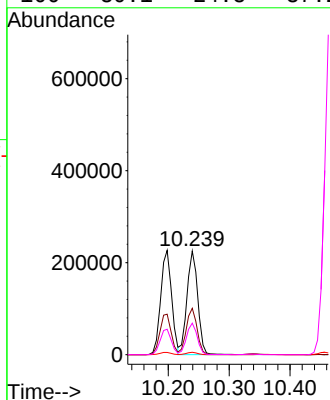
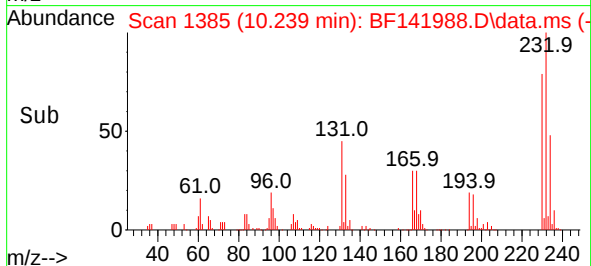
Instrument :
BNA_F
ClientSampleId :
PB167168BS



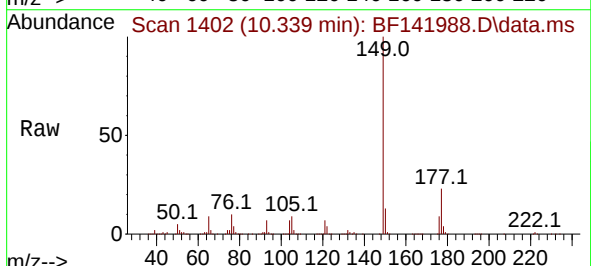
Tgt Ion:232 Resp: 278071
Ion Ratio Lower Upper
232 100
131 44.8 37.3 55.9
130 2.3 1.9 2.9
166 30.1 24.8 37.2

Manual Integrations
APPROVED

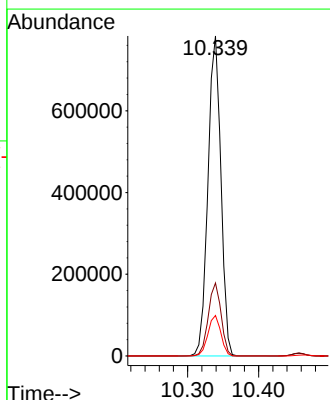
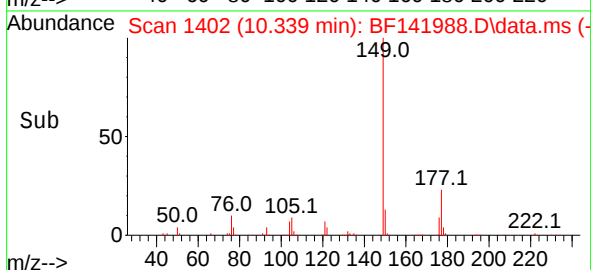
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

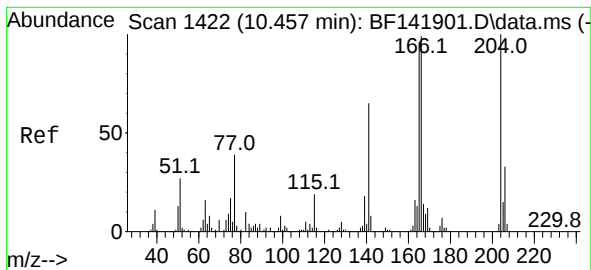


#60
Diethylphthalate
Concen: 42.558 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



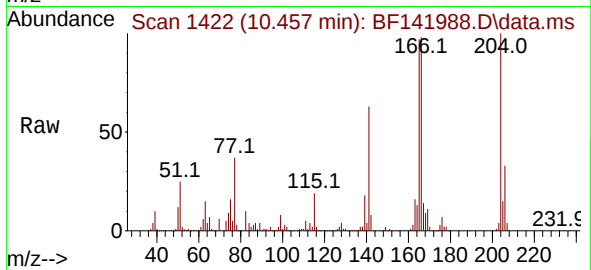
Tgt Ion:149 Resp: 990323
Ion Ratio Lower Upper
149 100
177 22.8 18.0 27.0
150 12.7 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 43.691 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

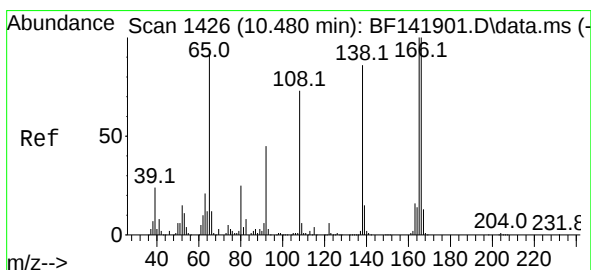
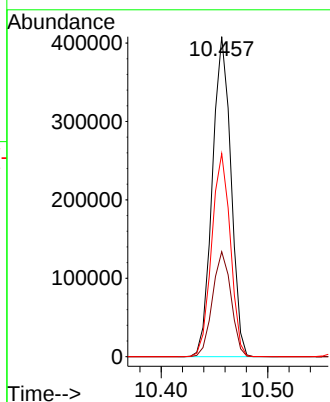
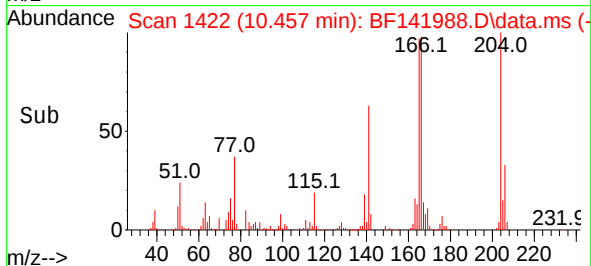
Instrument :
BNA_F
ClientSampleId :
PB167168BS



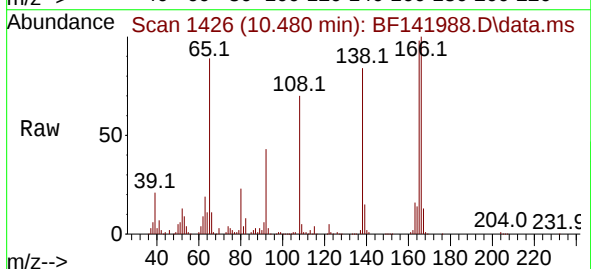
Tgt Ion:204 Resp: 494010
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 63.5 52.4 78.6

Manual Integrations
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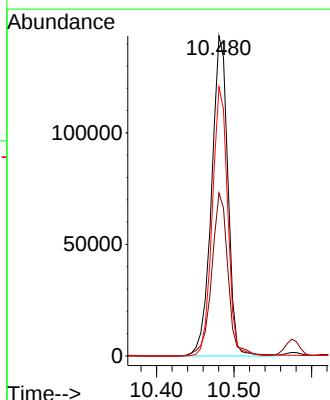
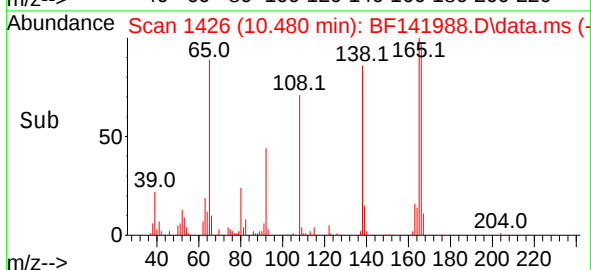
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

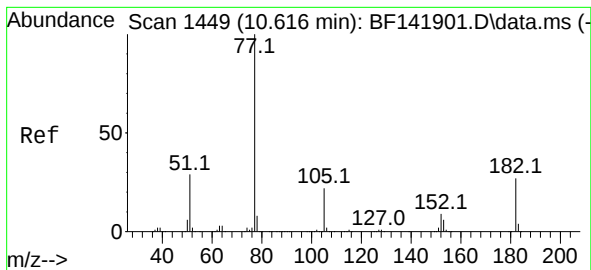


#62
4-Nitroaniline
Concen: 43.724 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion:138 Resp: 209808
Ion Ratio Lower Upper
138 100
92 50.9 32.6 72.6
108 84.1 65.0 105.0





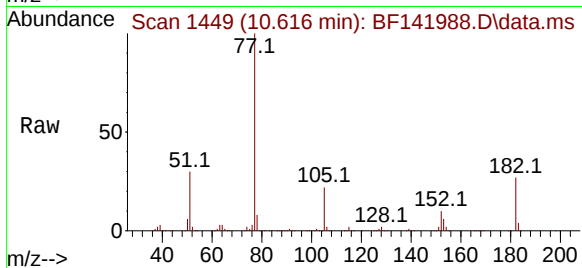
#63
Azobenzene
Concen: 41.365 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

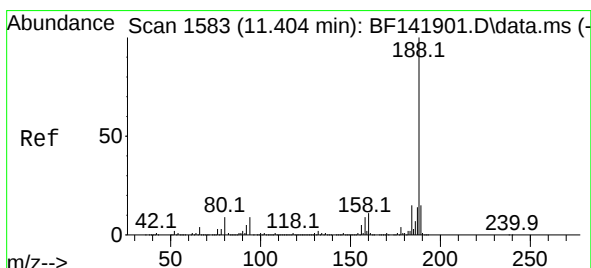
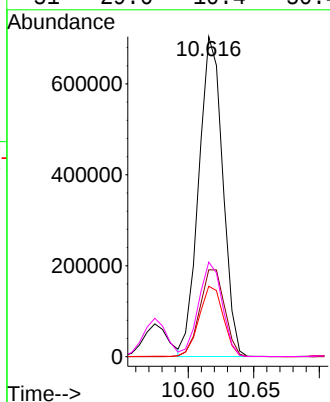
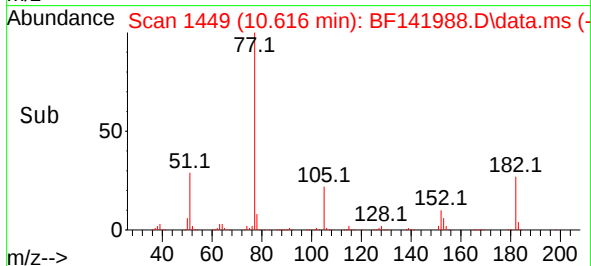


Tgt Ion: 77 Resp: 89490
Ion Ratio Lower Upper
77 100
182 27.2 6.6 46.6
105 22.0 1.3 41.3
51 29.6 10.4 50.4

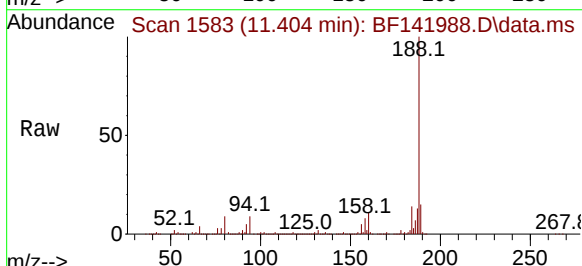
Manual Integrations

APPROVED

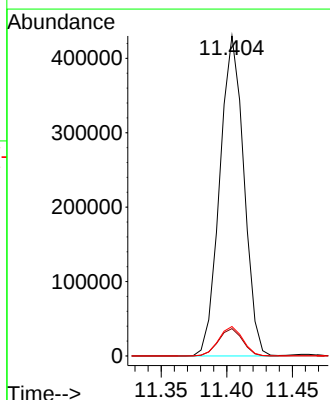
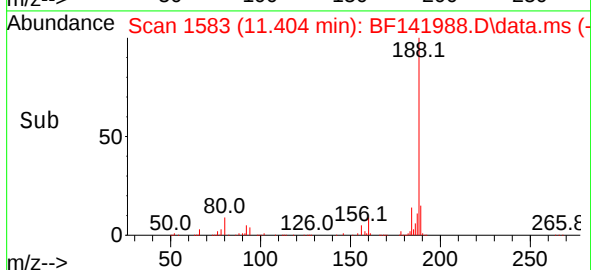
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

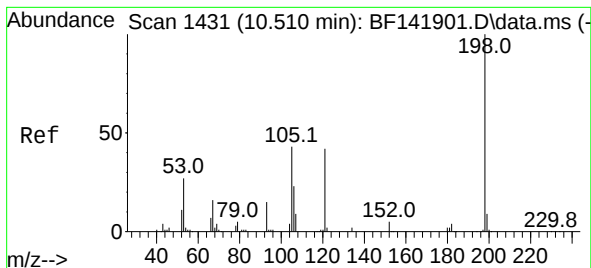


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



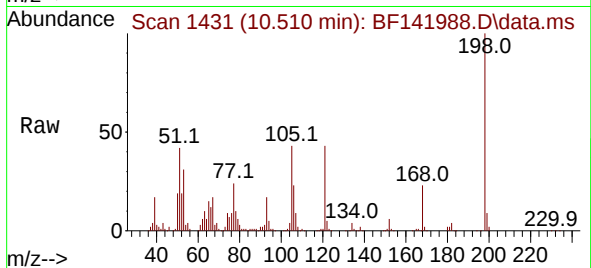
Tgt Ion:188 Resp: 550204
Ion Ratio Lower Upper
188 100
94 8.6 6.8 10.2
80 9.2 7.6 11.4





#65
4,6-Dinitro-2-methylphenol
Concen: 49.508 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

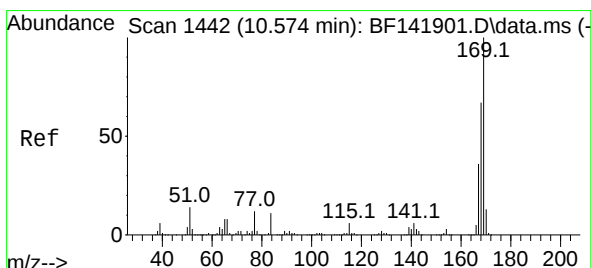
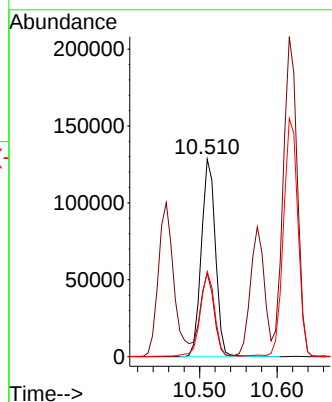
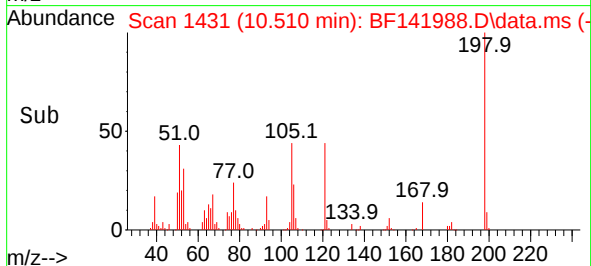
Instrument :
BNA_F
ClientSampleId :
PB167168BS



Tgt Ion:198 Resp: 162385
Ion Ratio Lower Upper
198 100
51 42.3 22.3 62.3
105 43.1 23.0 63.0

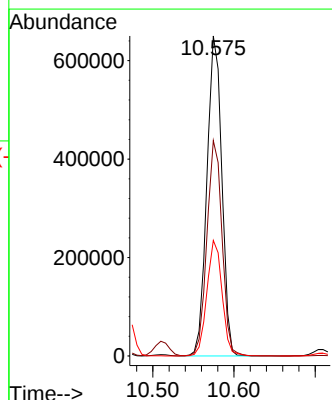
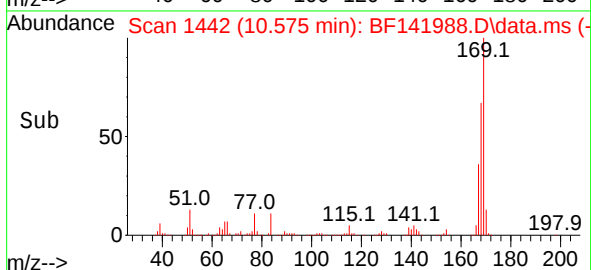
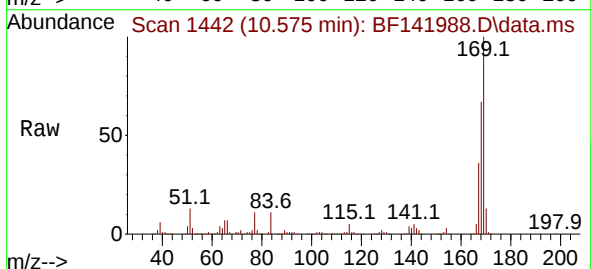
Manual Integrations
APPROVED

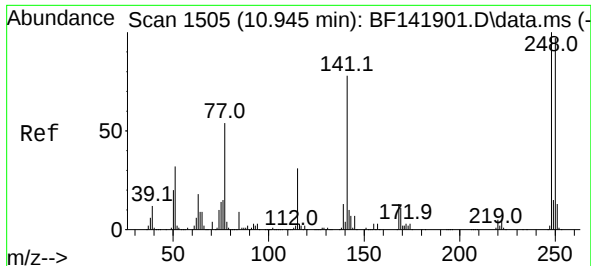
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#66
n-Nitrosodiphenylamine
Concen: 46.450 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

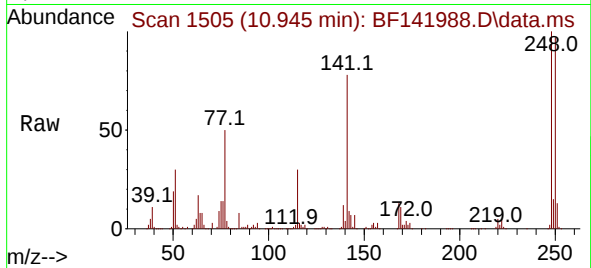
Tgt Ion:169 Resp: 827044
Ion Ratio Lower Upper
169 100
168 67.3 53.7 80.5
167 36.1 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 45.987 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

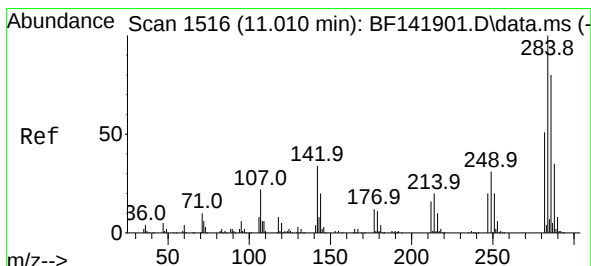
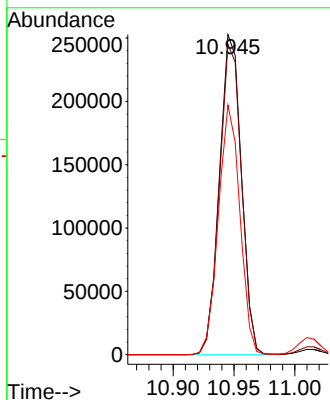
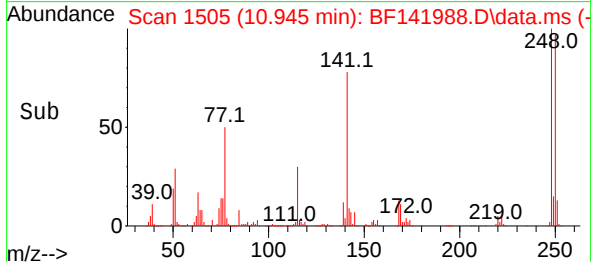
Instrument :
BNA_F
ClientSampleId :
PB167168BS



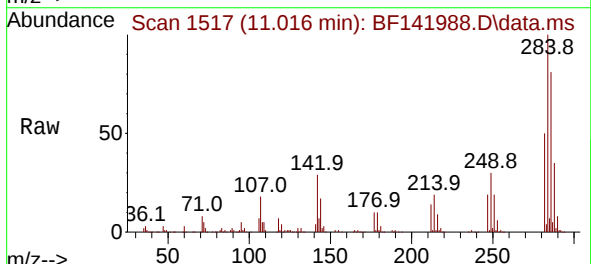
Tgt Ion:248 Resp: 317760
Ion Ratio Lower Upper
248 100
250 97.0 77.8 116.8
141 78.0 62.6 93.8

Manual Integrations
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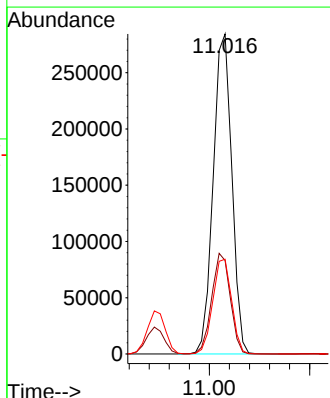
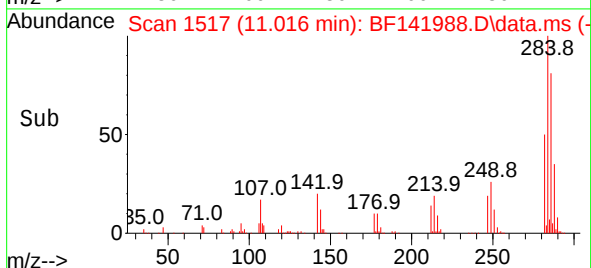
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

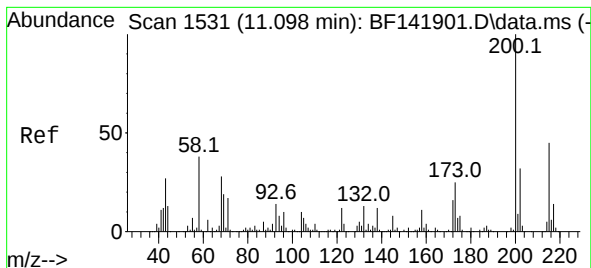


#68
Hexachlorobenzene
Concen: 48.306 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion:284 Resp: 366094
Ion Ratio Lower Upper
284 100
142 29.2 27.0 40.6
249 29.6 25.2 37.8





#69

Atrazine

Concen: 59.022 ng

RT: 11.104 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

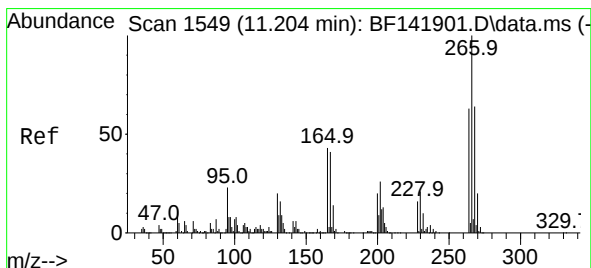
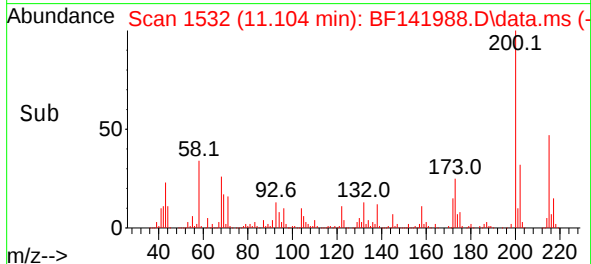
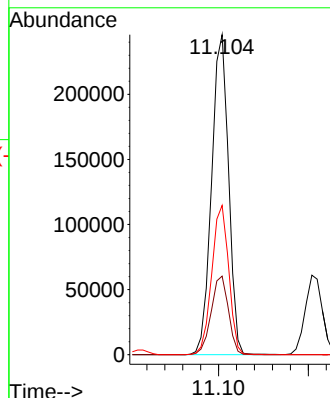
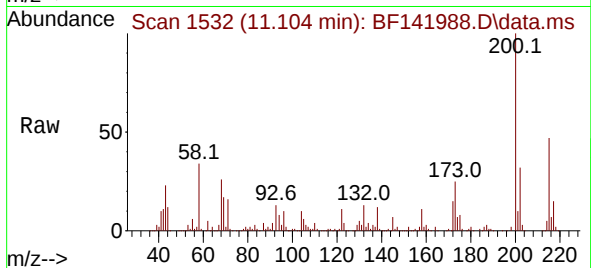
PB167168BS

Tgt Ion:200 Resp: 322158
 Ion Ratio Lower Upper
 200 100
 173 24.6 4.7 44.7
 215 46.7 25.4 65.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/19/2025
 Supervised By :mohammad ahmed 03/24/2025



#70

Pentachlorophenol

Concen: 93.351 ng

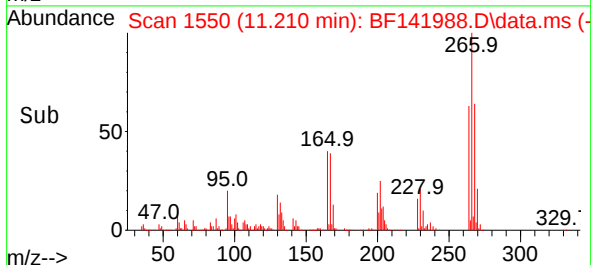
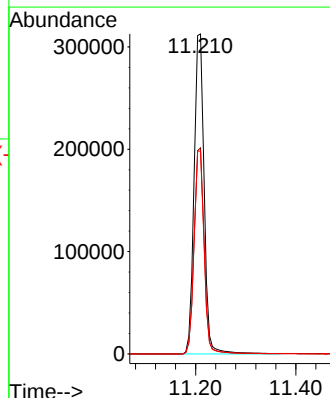
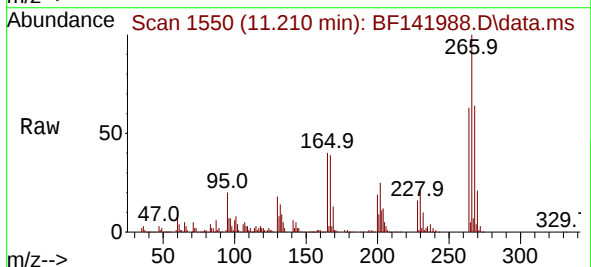
RT: 11.210 min Scan# 1550

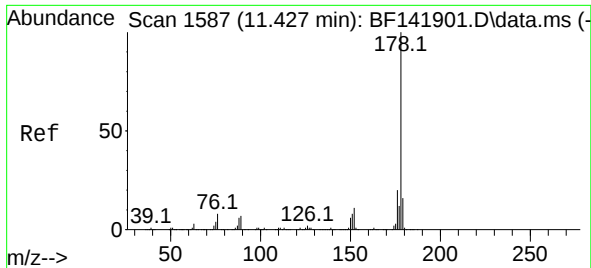
Delta R.T. 0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

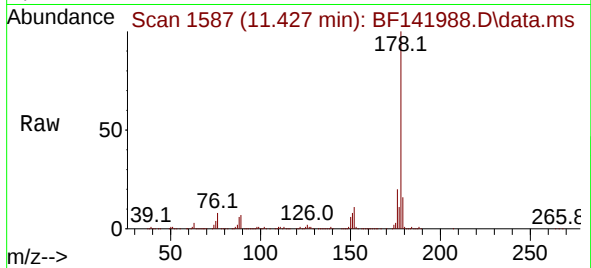
Tgt Ion:266 Resp: 435894
 Ion Ratio Lower Upper
 266 100
 268 64.4 51.0 76.6
 264 63.3 50.2 75.2





#71
Phenanthrene
Concen: 46.249 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

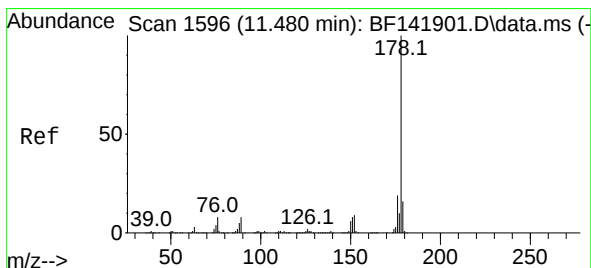
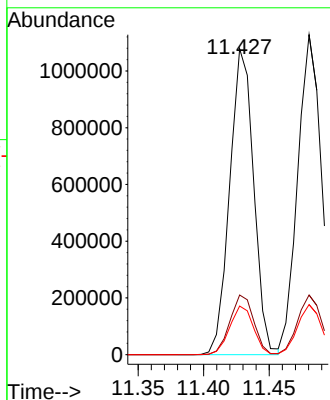
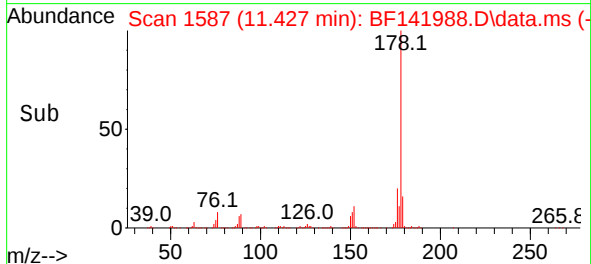
Instrument :
BNA_F
ClientSampleId :
PB167168BS



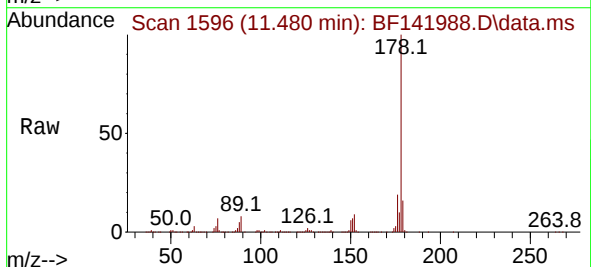
Tgt Ion:178 Resp: 1374452
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.9 12.6 19.0

Manual Integrations
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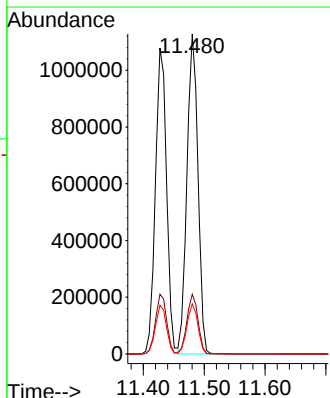
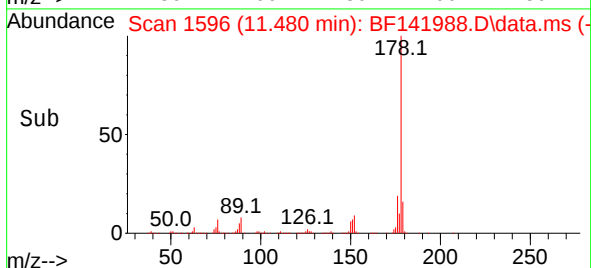
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

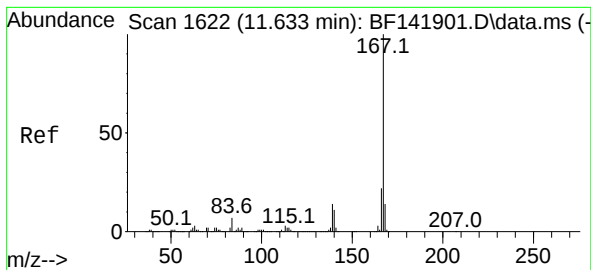


#72
Anthracene
Concen: 47.387 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



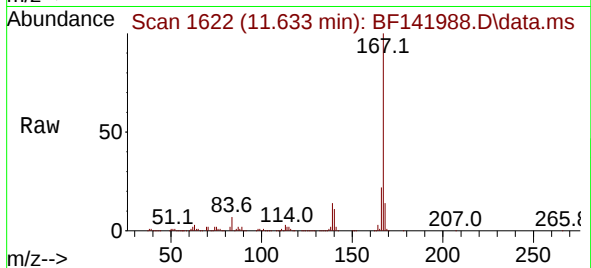
Tgt Ion:178 Resp: 1412854
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.7 12.6 19.0





#73
 Carbazole
 Concen: 44.932 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. 0.000 min
 Lab File: BF141988.D
 Acq: 18 Mar 2025 10:59

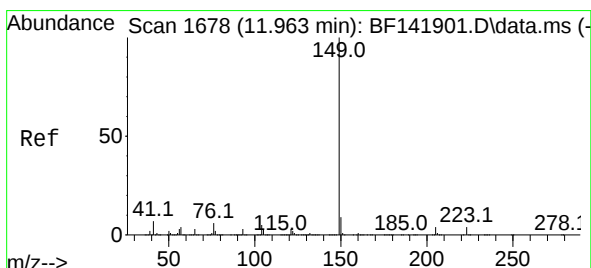
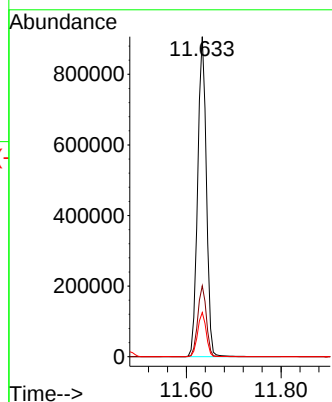
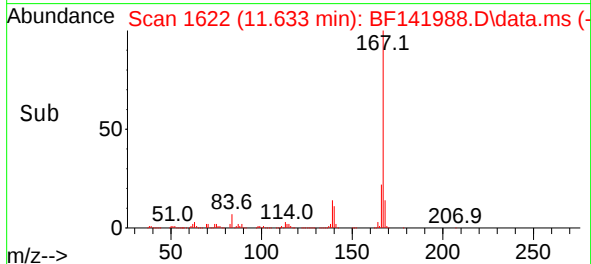
Instrument :
 BNA_F
 ClientSampleId :
 PB167168BS



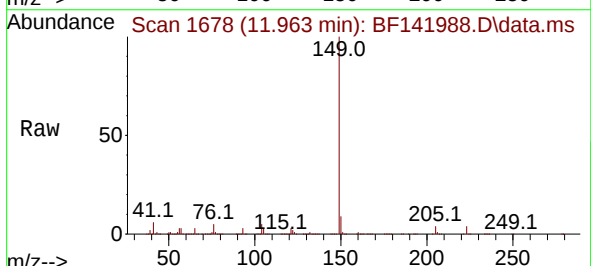
Tgt Ion:167 Resp: 115534
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.2
 139 13.8 11.0 16.6

Manual Integrations
 APPROVED

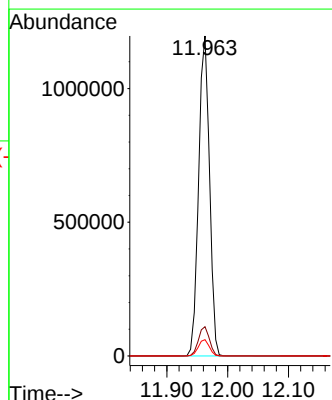
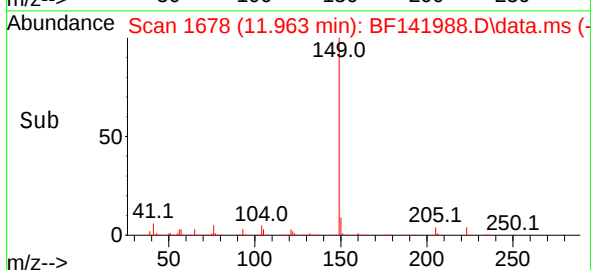
Reviewed By :Anahy Claudio 03/19/2025
 Supervised By :mohammad ahmed 03/24/2025

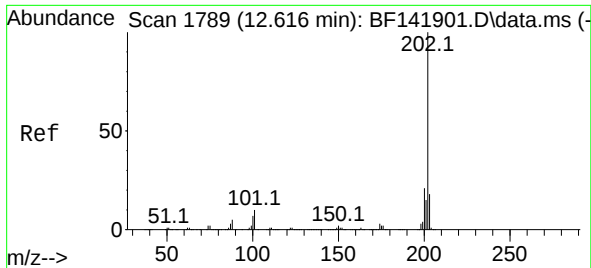


#74
 Di-n-butylphthalate
 Concen: 43.374 ng
 RT: 11.963 min Scan# 1678
 Delta R.T. 0.000 min
 Lab File: BF141988.D
 Acq: 18 Mar 2025 10:59



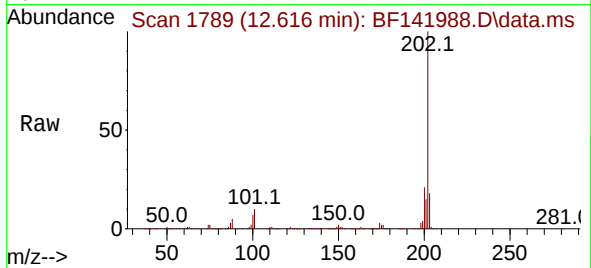
Tgt Ion:149 Resp: 1479834
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.6 11.4
 104 5.1 4.4 6.6





#75
Fluoranthene
Concen: 42.479 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

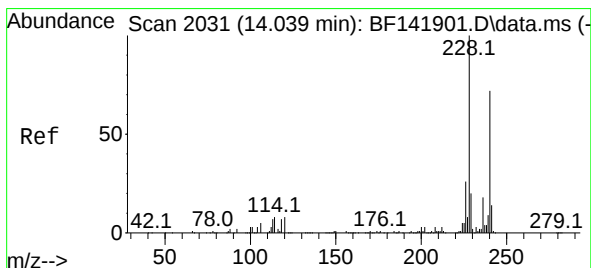
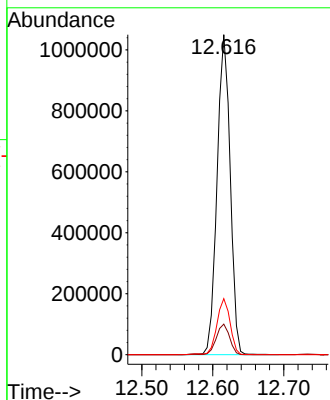
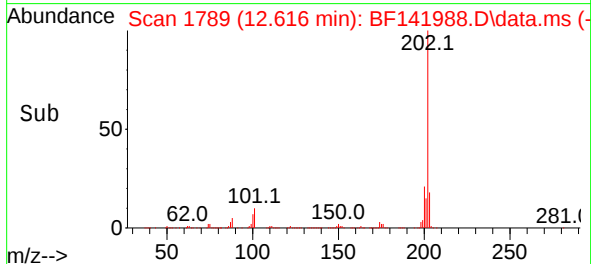
Instrument :
BNA_F
ClientSampleId :
PB167168BS



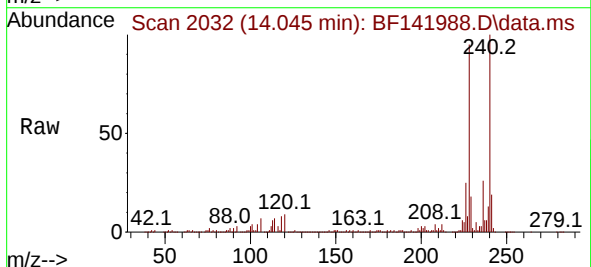
Tgt Ion:202 Resp: 1339128
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.5 0.0 37.8

Manual Integrations
APPROVED

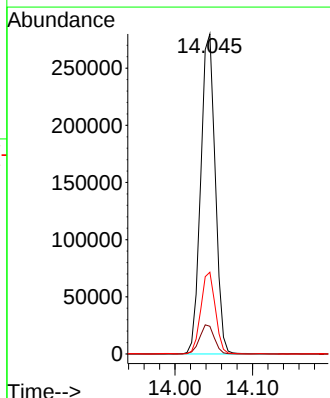
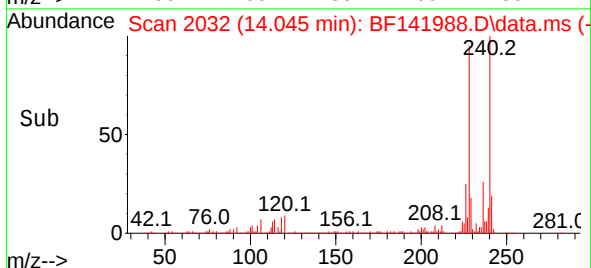
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

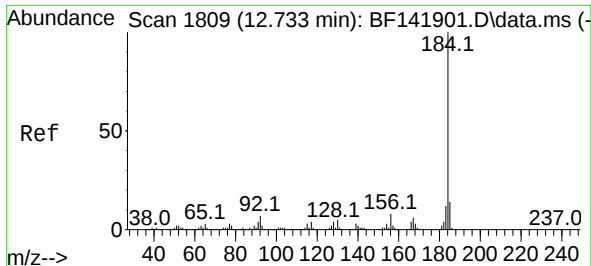


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



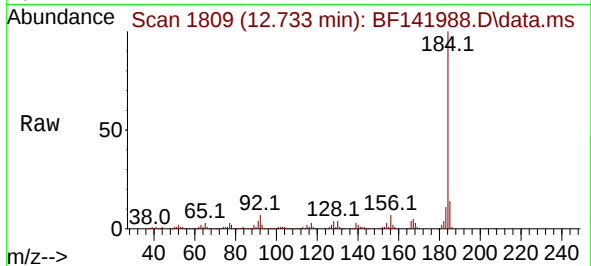
Tgt Ion:240 Resp: 364178
Ion Ratio Lower Upper
240 100
120 8.6 8.4 12.6
236 25.5 20.5 30.7





#77
Benzidine
Concen: 72.405 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

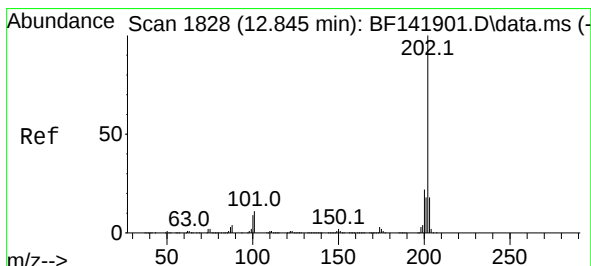
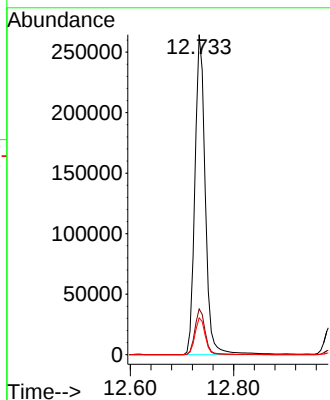
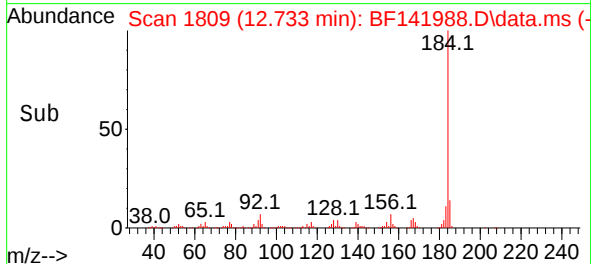
Instrument :
BNA_F
ClientSampleId :
PB167168BS



Tgt Ion:184 Resp: 367890
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 11.5 9.7 14.5

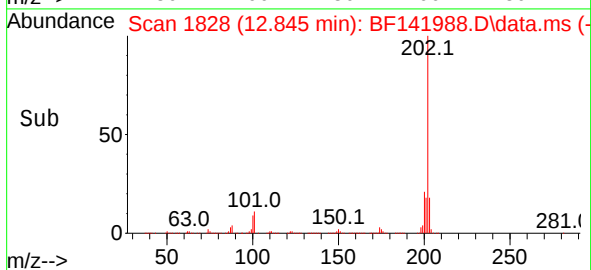
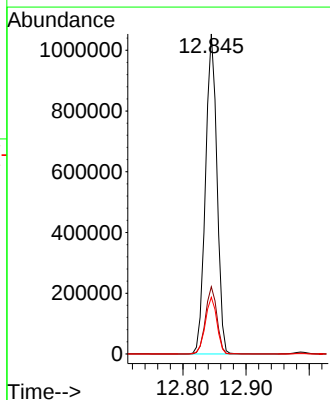
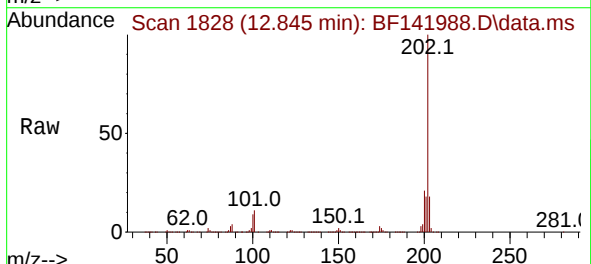
Manual Integrations
APPROVED

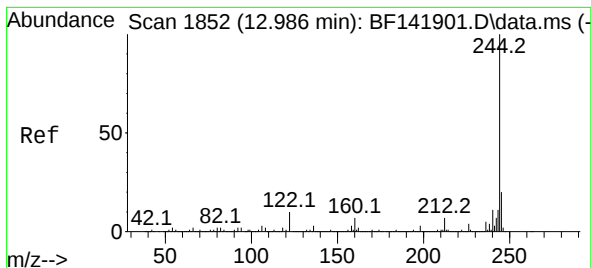
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#78
Pyrene
Concen: 42.241 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:202 Resp: 1330654
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 96.185 ng

RT: 12.986 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141988.D

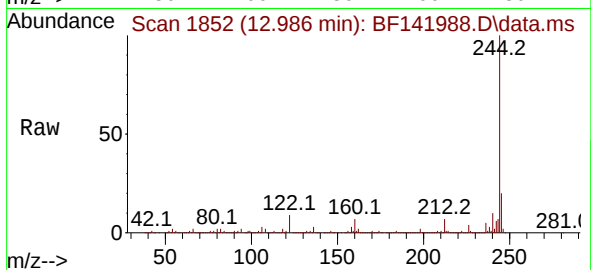
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS



Tgt Ion:244 Resp: 236925

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

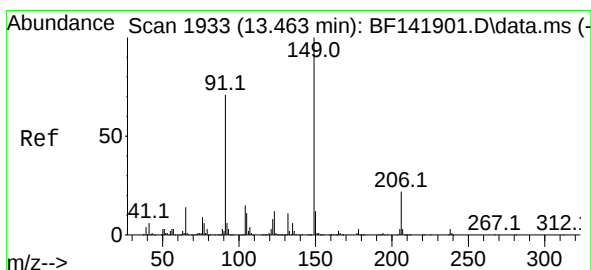
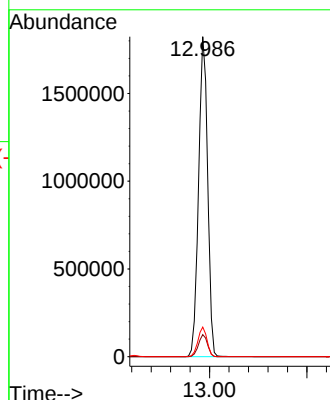
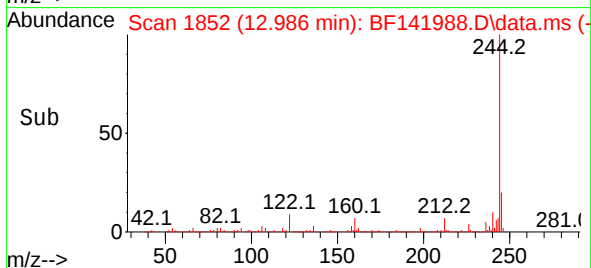
122 9.2 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#80

Butylbenzylphthalate

Concen: 41.703 ng

RT: 13.463 min Scan# 1933

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

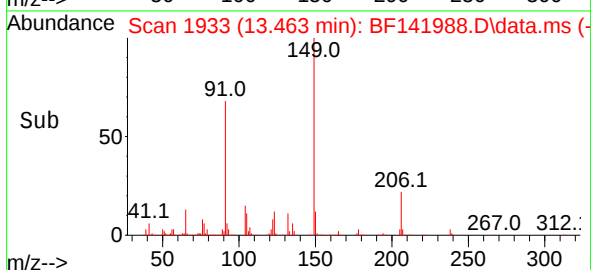
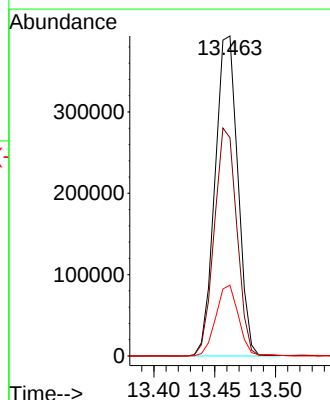
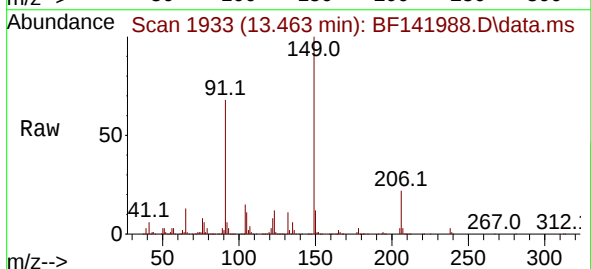
Tgt Ion:149 Resp: 514197

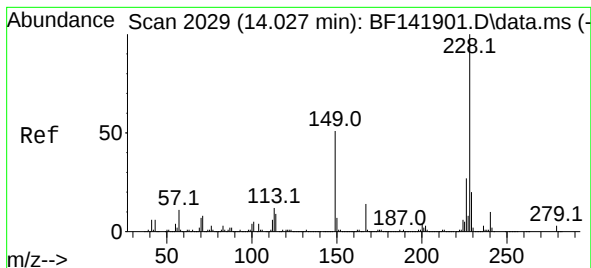
Ion Ratio Lower Upper

149 100

91 68.2 56.5 84.7

206 22.1 17.3 25.9





#81

Benzo(a)anthracene

Concen: 46.751 ng

RT: 14.033 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF141988.D

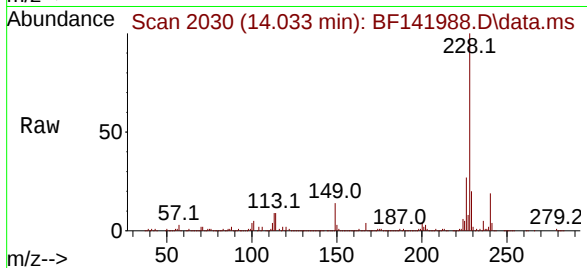
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS



Tgt Ion:228 Resp: 1117238

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.8

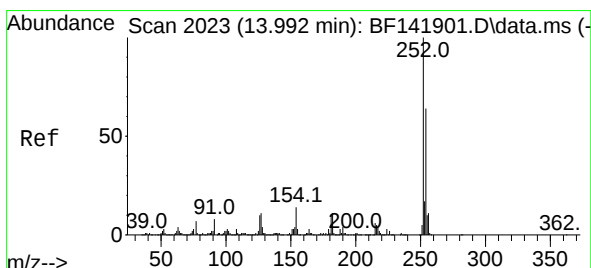
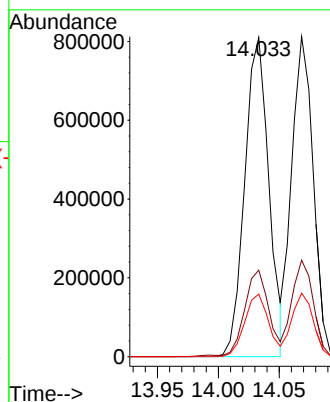
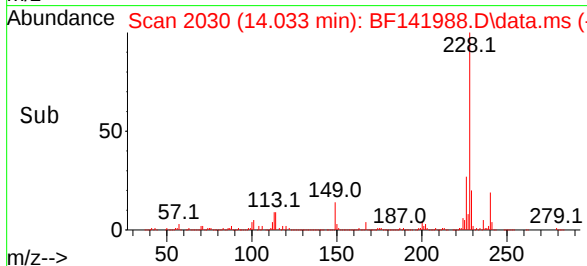
229 19.6 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#82

3,3'-Dichlorobenzidine

Concen: 38.409 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

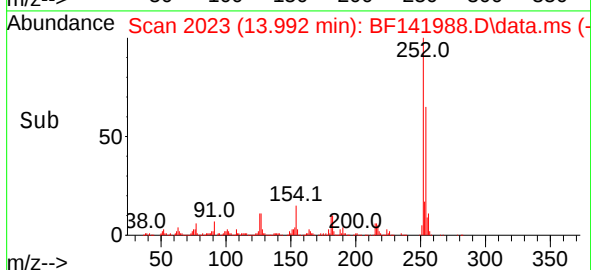
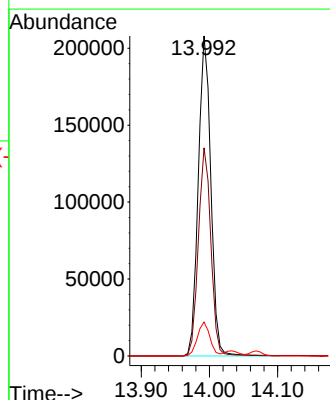
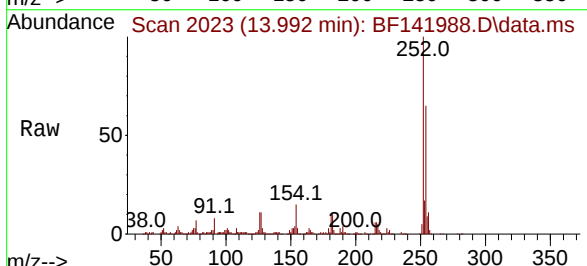
Tgt Ion:252 Resp: 265251

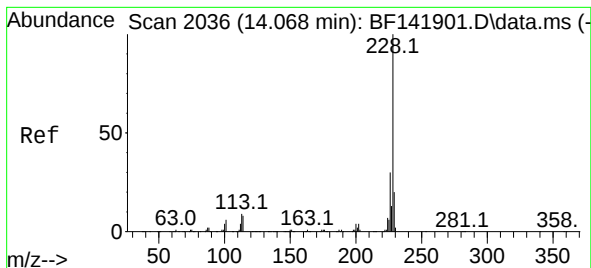
Ion Ratio Lower Upper

252 100

254 65.0 51.0 76.6

126 10.6 8.4 12.6





#83

Chrysene

Concen: 46.080 ng

RT: 14.068 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

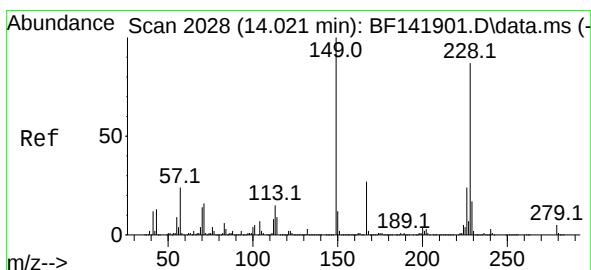
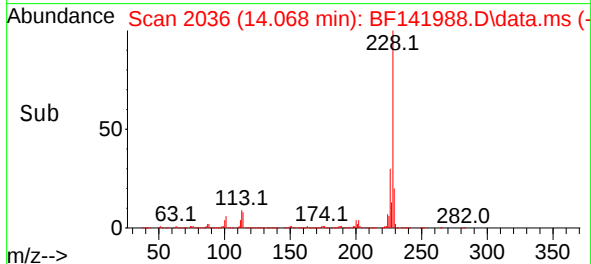
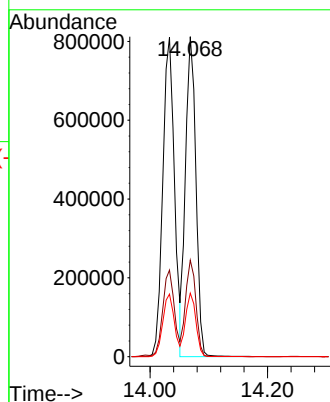
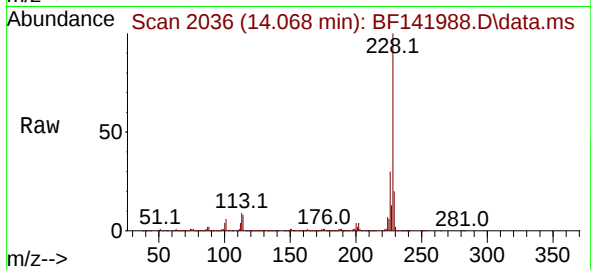
PB167168BS

Tgt Ion:228 Resp: 998209
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.1 36.1
 229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025
 Supervised By :mohammad ahmed 03/24/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.841 ng

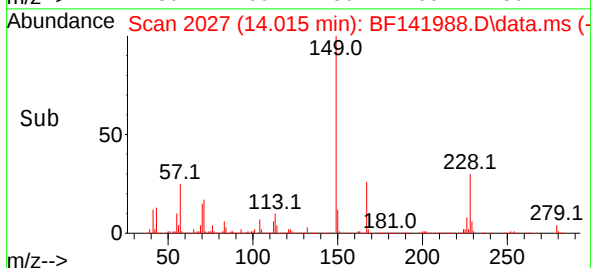
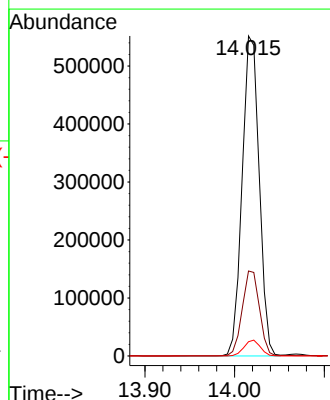
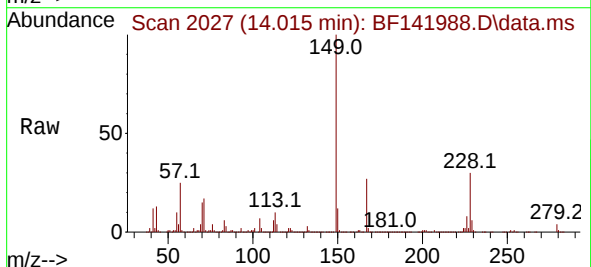
RT: 14.015 min Scan# 2027

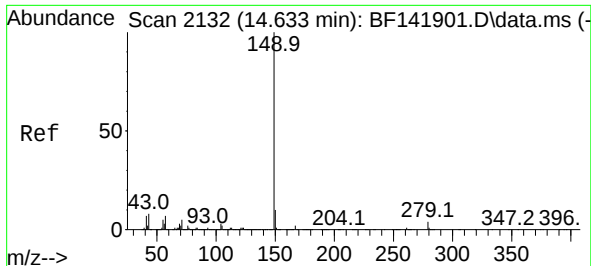
Delta R.T. -0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

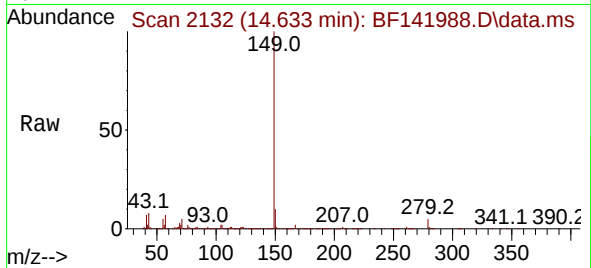
Tgt Ion:149 Resp: 728315
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.4 32.0
 279 4.5 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 50.266 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

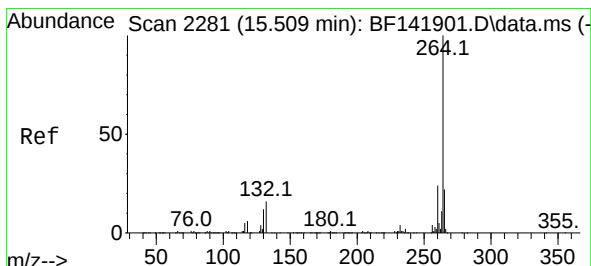
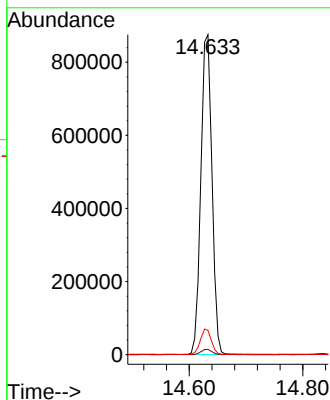
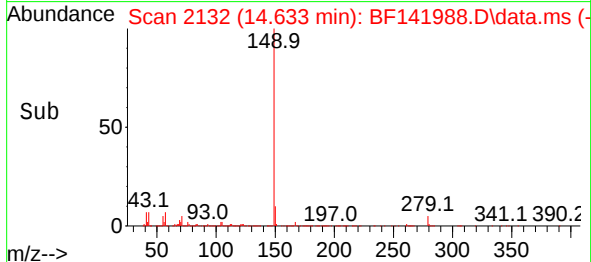
Instrument :
BNA_F
ClientSampleId :
PB167168BS



Tgt Ion:149 Resp: 1189008
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.8 6.9 10.3

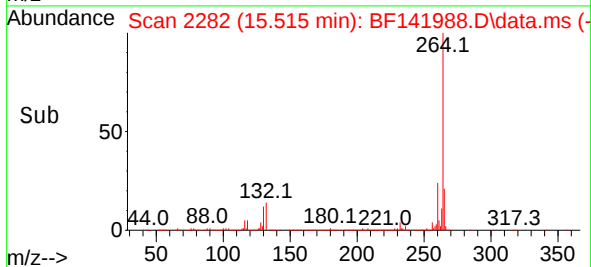
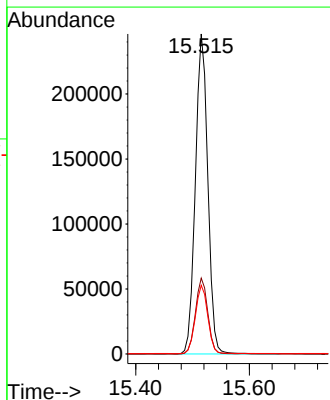
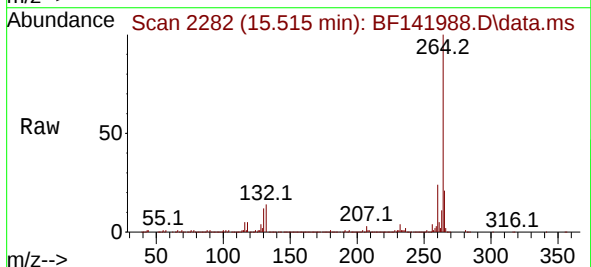
Manual Integrations
APPROVED

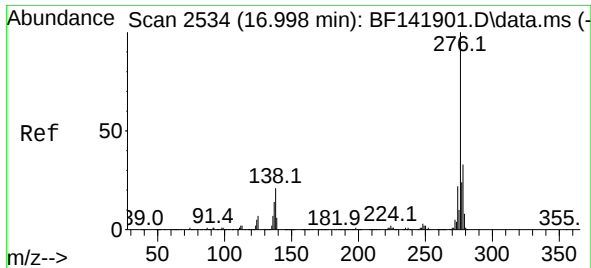
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:264 Resp: 375705
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 21.5 17.5 26.3





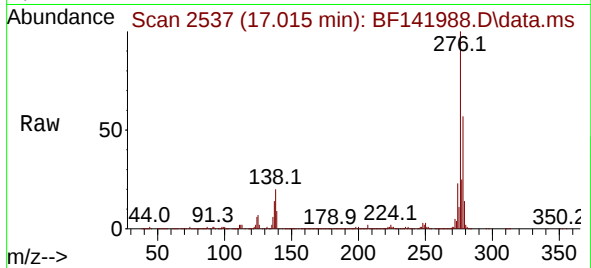
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.004 ng
RT: 17.015 min Scan# 2537
Delta R.T. 0.018 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

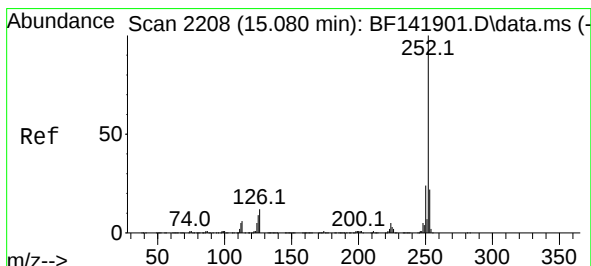
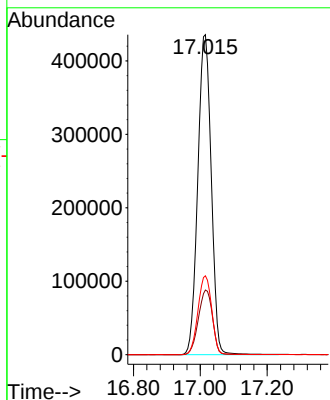
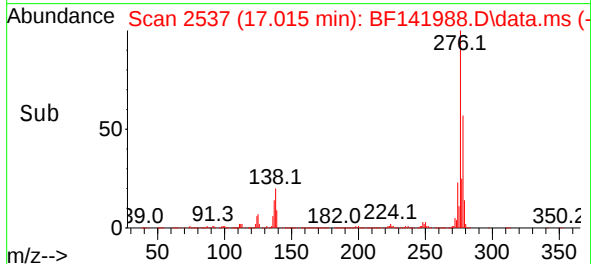
PB167168BS



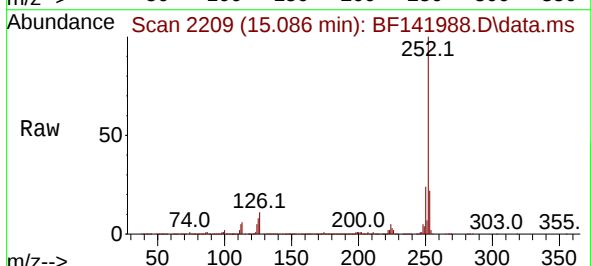
Tgt Ion:276 Resp: 121529
Ion Ratio Lower Upper
276 100
138 21.2 18.4 27.6
277 25.3 20.3 30.5

Manual Integrations
APPROVED

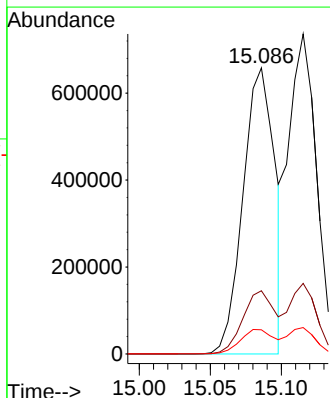
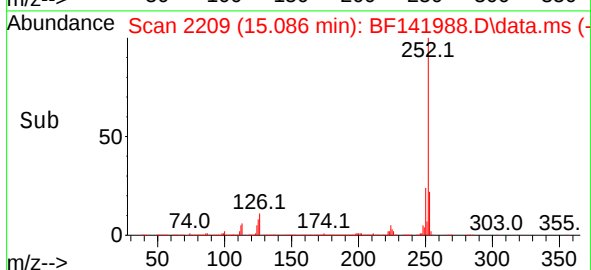
Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025

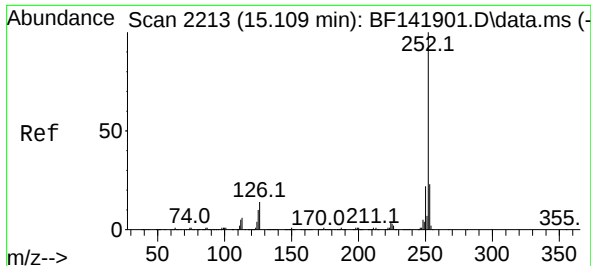


#88
Benzo(b)fluoranthene
Concen: 39.719 ng
RT: 15.086 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59



Tgt Ion:252 Resp: 1022729
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 45.431 ng

RT: 15.115 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

Instrument :

BNA_F

ClientSampleId :

PB167168BS

Tgt Ion:252 Resp: 1001088

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

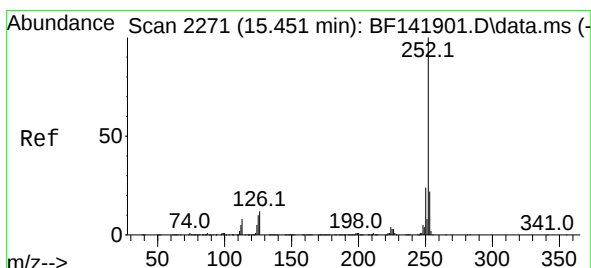
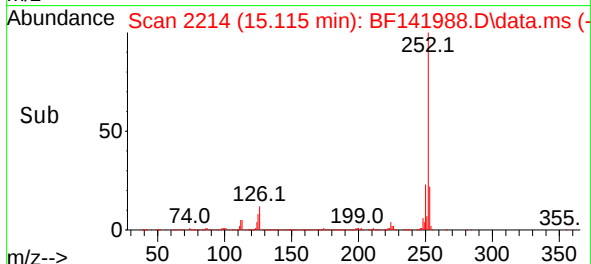
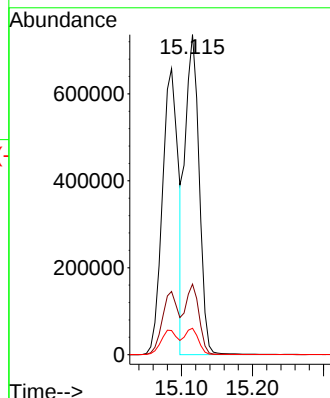
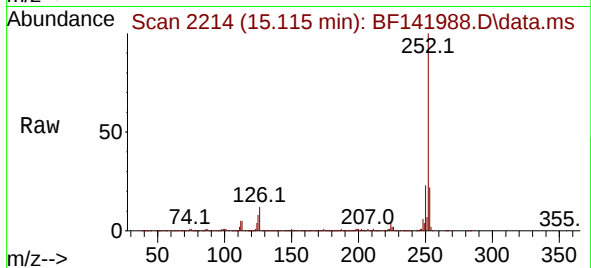
125 8.2 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/19/2025

Supervised By :mohammad ahmed 03/24/2025



#90

Benzo(a)pyrene

Concen: 48.179 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF141988.D

Acq: 18 Mar 2025 10:59

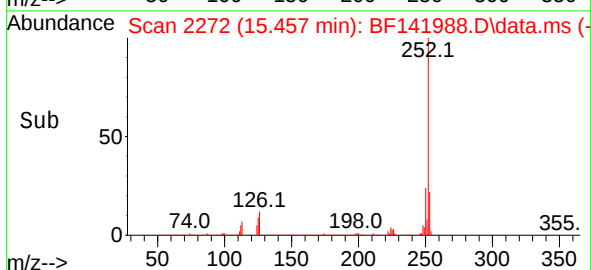
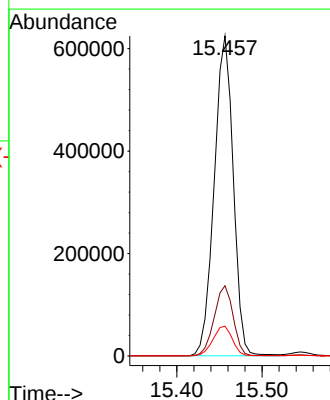
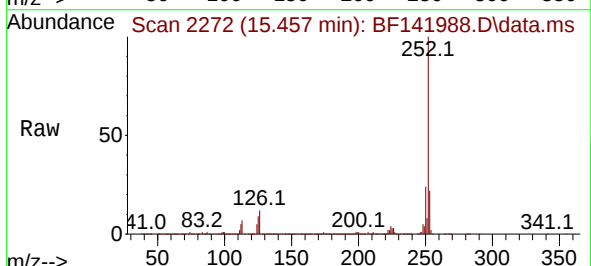
Tgt Ion:252 Resp: 970694

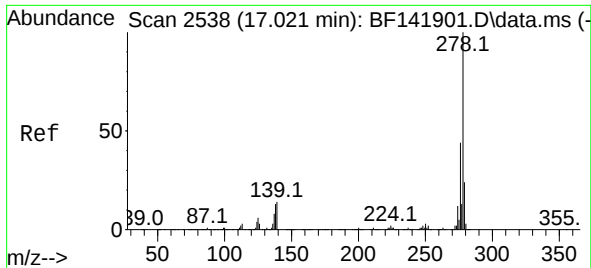
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

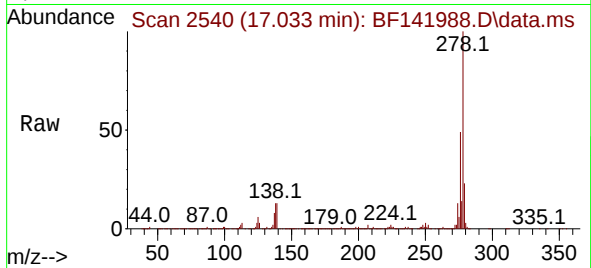
125 9.3 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 49.287 ng
RT: 17.033 min Scan# 2538
Delta R.T. 0.012 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

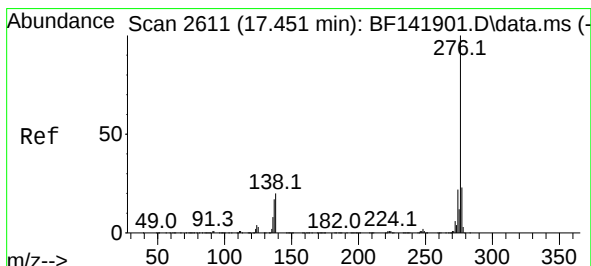
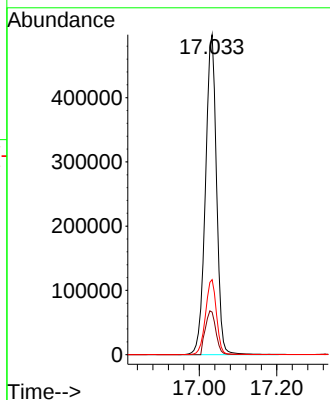
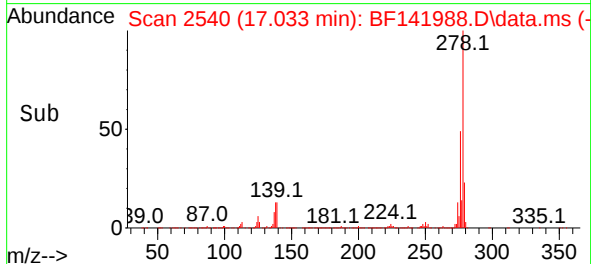
Instrument :
BNA_F
ClientSampleId :
PB167168BS



Tgt Ion:278 Resp: 988318
Ion Ratio Lower Upper
278 100
139 13.3 11.4 17.2
279 23.5 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/19/2025
Supervised By :mohammad ahmed 03/24/2025



#92
Benzo(g,h,i)perylene
Concen: 46.622 ng
RT: 17.462 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF141988.D
Acq: 18 Mar 2025 10:59

Tgt Ion:276 Resp: 923868
Ion Ratio Lower Upper
276 100
277 24.2 18.7 28.1
138 19.1 15.8 23.8

