

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031325\
 Data File : BF141941.D
 Acq On : 13 Mar 2025 13:17
 Operator : RC/JU
 Sample : PB167097BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025

Quant Time: Mar 13 13:42:14 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	6.875	152	167779	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	666660	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	381133	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	657343	20.000	ng	0.00
76) Chrysene-d12	14.039	240	424407	20.000	ng	0.00
86) Perylene-d12	15.504	264	370791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1406671	139.927	ng	0.02
7) Phenol-d6	6.504	99	1754393	137.067	ng	0.00
23) Nitrobenzene-d5	7.439	82	1168111	98.606	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	773860	160.048	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2451144	97.806	ng	0.00
79) Terphenyl-d14	12.986	244	3018229	105.142	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	183786	43.632	ng	99
3) Pyridine	3.534	79	435363	42.136	ng	100
4) n-Nitrosodimethylamine	3.481	42	219416	44.549	ng	97
6) Aniline	6.539	93	455935	36.109	ng	99
8) 2-Chlorophenol	6.663	128	522369	46.852	ng	99
9) Benzaldehyde	6.428	77	161518	22.563	ng	99
10) Phenol	6.516	94	616143	45.757	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	460406	45.535	ng	98
12) 1,3-Dichlorobenzene	6.816	146	549049	45.613	ng	100
13) 1,4-Dichlorobenzene	6.892	146	558151	45.829	ng	99
14) 1,2-Dichlorobenzene	7.045	146	535333	46.667	ng	99
15) Benzyl Alcohol	7.016	79	464922	44.930	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	521817	42.748	ng	99
17) 2-Methylphenol	7.128	107	413870	46.686	ng	98
18) Hexachloroethane	7.392	117	206331	45.179	ng	94
19) n-Nitroso-di-n-propyla...	7.292	70	356374	43.331	ng	99
20) 3+4-Methylphenols	7.281	107	525851	46.311	ng	# 81
22) Acetophenone	7.286	105	794019	49.735	ng	98
24) Nitrobenzene	7.457	77	540933	45.933	ng	100
25) Isophorone	7.698	82	992286	47.387	ng	100
26) 2-Nitrophenol	7.775	139	274315	47.460	ng	100
27) 2,4-Dimethylphenol	7.804	122	458082	57.557	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	584252	44.484	ng	100
29) 2,4-Dichlorophenol	8.010	162	454991	46.058	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	489377	44.952	ng	100
31) Naphthalene	8.181	128	1521001	44.415	ng	100
32) Benzoic acid	7.928	122	368882	52.727	ng	99
33) 4-Chloroaniline	8.222	127	189925	15.710	ng	98
34) Hexachlorobutadiene	8.298	225	330110	46.496	ng	99
35) Caprolactam	8.598	113	149736m	49.717	ng	
36) 4-Chloro-3-methylphenol	8.704	107	506070	45.924	ng	100
37) 2-Methylnaphthalene	8.869	142	984016	42.989	ng	98
38) 1-Methylnaphthalene	8.969	142	975143	44.147	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	589567	50.807	ng	98
41) Hexachlorocyclopentadiene	9.022	237	787647	173.440	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	373446	49.244	ng	100

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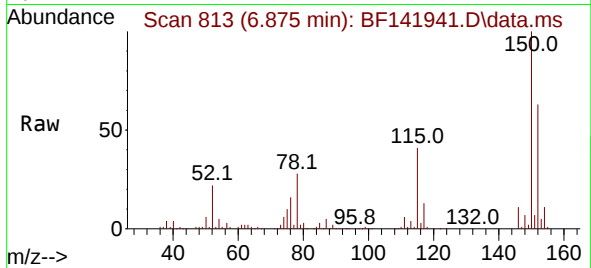
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	348841	45.418	ng	100
46) 1,1'-Biphenyl	9.333	154	1455375	50.256	ng	100
47) 2-Chloronaphthalene	9.363	162	993605	46.033	ng	99
48) 2-Nitroaniline	9.451	65	295534	47.288	ng	97
49) Acenaphthylene	9.775	152	1553482	48.500	ng	100
50) Dimethylphthalate	9.639	163	1224816	45.891	ng	100
51) 2,6-Dinitrotoluene	9.698	165	259612	46.717	ng	96
52) Acenaphthene	9.951	154	1170255	51.989	ng	98
53) 3-Nitroaniline	9.863	138	143947	25.536	ng	100
54) 2,4-Dinitrophenol	9.975	184	318705	99.219	ng	# 46
55) Dibenzofuran	10.122	168	1417170	44.061	ng	99
56) 4-Nitrophenol	10.022	139	439494	103.387	ng	98
57) 2,4-Dinitrotoluene	10.104	165	361052	49.745	ng	99
58) Fluorene	10.463	166	1147740	46.273	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	323625	46.303	ng	100
60) Diethylphthalate	10.339	149	1194423	44.881	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	597749	46.224	ng	96
62) 4-Nitroaniline	10.480	138	256469	46.734	ng	99
63) Azobenzene	10.616	77	1083805	43.803	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	199851	50.999	ng	97
66) n-Nitrosodiphenylamine	10.574	169	997450	46.890	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	382756	46.364	ng	97
68) Hexachlorobenzene	11.010	284	437639	48.335	ng	96
69) Atrazine	11.098	200	402029	61.650	ng	99
70) Pentachlorophenol	11.204	266	557370	99.911	ng	99
71) Phenanthrene	11.427	178	1669056	47.009	ng	100
72) Anthracene	11.474	178	1712956	48.088	ng	100
73) Carbazole	11.627	167	1439856	46.870	ng	100
74) Di-n-butylphthalate	11.957	149	1842392	45.199	ng	100
75) Fluoranthene	12.610	202	1728401	45.891	ng	100
77) Benzidine	12.727	184	500180	84.472	ng	100
78) Pyrene	12.839	202	1719348	46.834	ng	100
80) Butylbenzylphthalate	13.457	149	660564	45.971	ng	99
81) Benzo(a)anthracene	14.027	228	1314815	47.211	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	227079	28.215	ng	100
83) Chrysene	14.062	228	1167619	46.252	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	882521	44.545	ng	100
85) Di-n-octyl phthalate	14.627	149	1244287	45.138	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	1228415	51.214	ng	98
88) Benzo(b)fluoranthene	15.074	252	1177030	46.317	ng	100
89) Benzo(k)fluoranthene	15.104	252	942444	43.336	ng	100
90) Benzo(a)pyrene	15.445	252	996055	50.093	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	1005280	50.797	ng	99
92) Benzo(g,h,i)perylene	17.445	276	938047	47.965	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

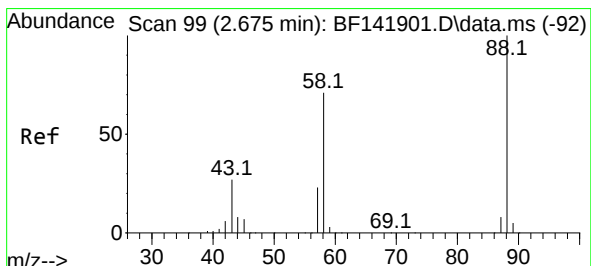
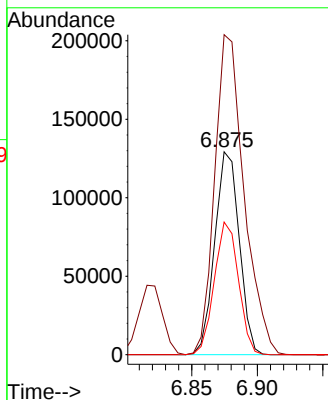
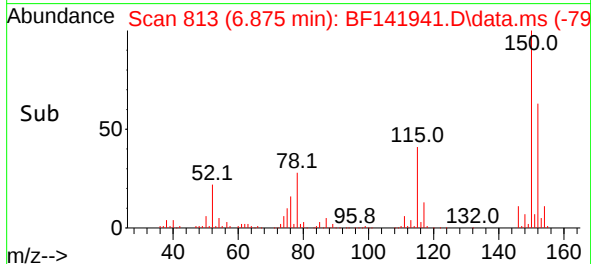
Instrument :
BNA_F
ClientSampleId :
PB167097BS



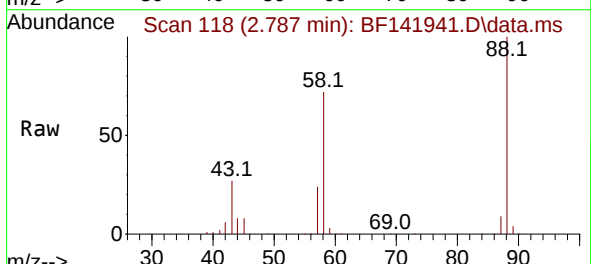
Tgt Ion:152 Resp: 167779
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 65.4 51.9 77.9

Manual Integrations
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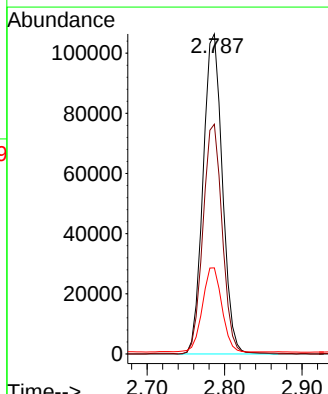
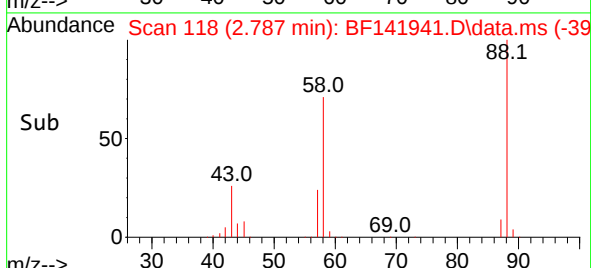
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

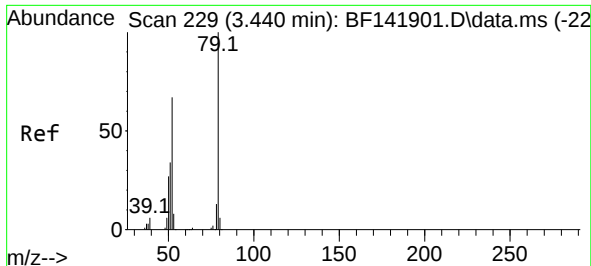


#2
1,4-Dioxane
Concen: 43.632 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.112 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



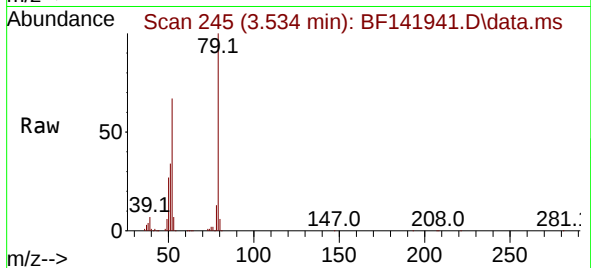
Tgt Ion: 88 Resp: 183786
Ion Ratio Lower Upper
88 100
58 72.1 57.4 86.2
43 26.3 21.5 32.3





#3
Pyridine
Concen: 42.136 ng
RT: 3.534 min Scan# 245
Delta R.T. 0.094 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

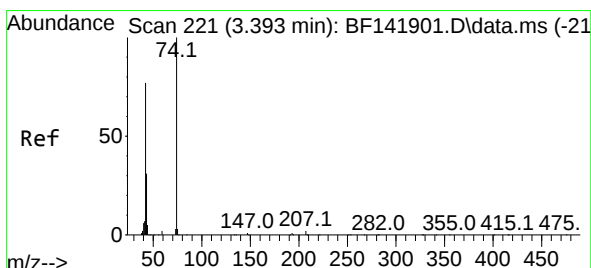
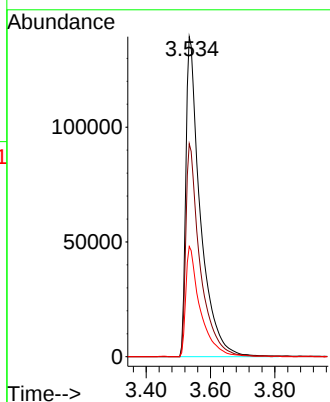
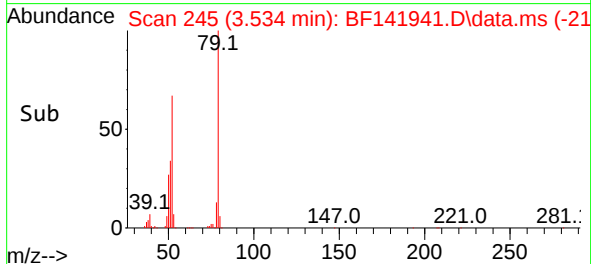
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ClientSampleId :
PB167097BS



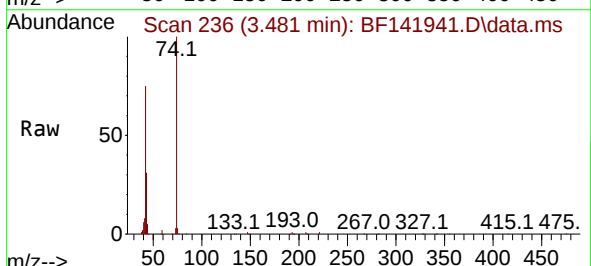
Tgt Ion: 79 Resp: 43536
Ion Ratio Lower Upper
79 100
52 66.5 53.3 79.9
51 34.5 27.6 41.4

Manual Integrations
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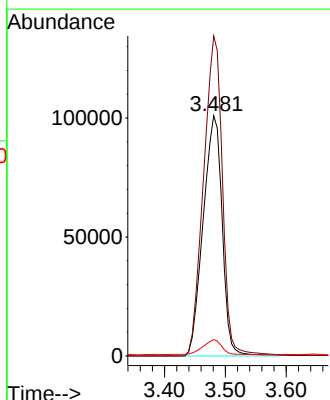
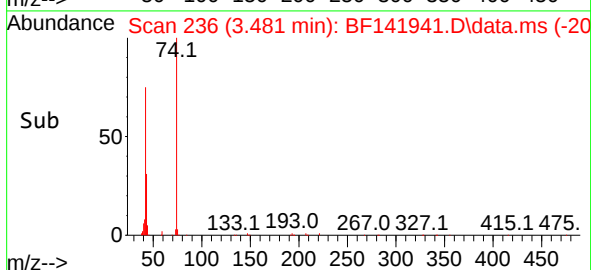
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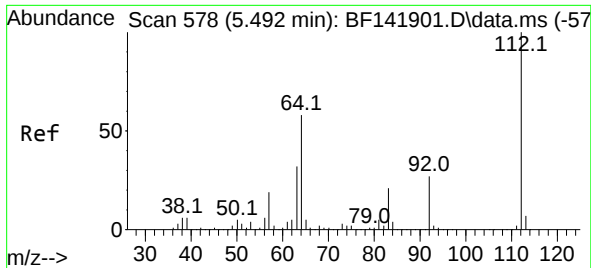


#4
n-Nitrosodimethylamine
Concen: 44.549 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.088 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion: 42 Resp: 219416
Ion Ratio Lower Upper
42 100
74 133.1 103.4 155.0
44 6.8 5.0 7.4





#5
2-Fluorophenol
Concen: 139.927 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

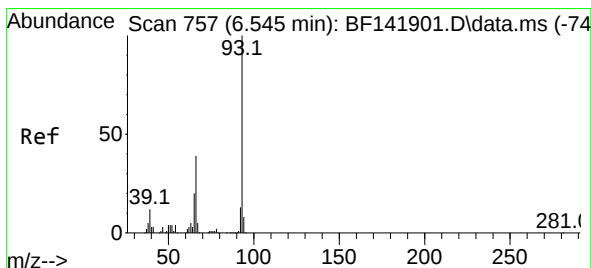
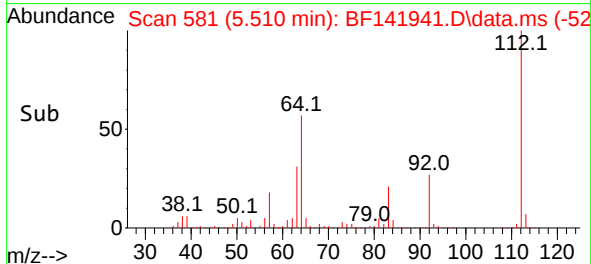
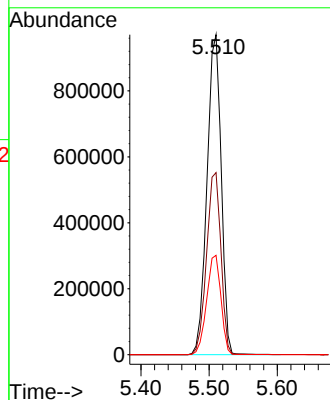
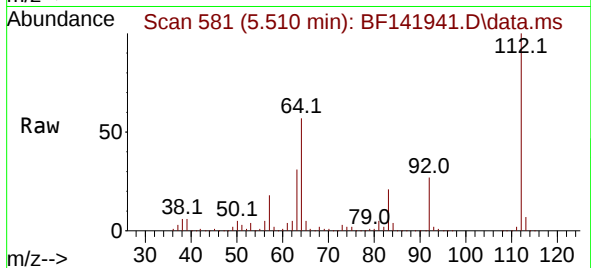
PB167097BS

Tgt Ion:112 Resp: 140667
Ion Ratio Lower Upper
112 100
64 56.9 46.5 69.7
63 31.0 25.4 38.2

Manual Integrations

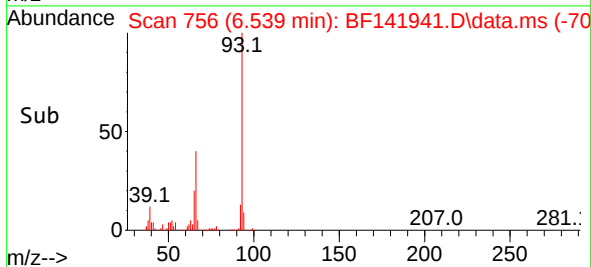
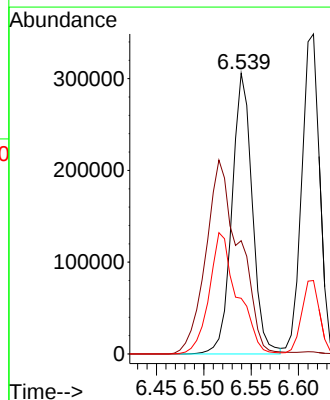
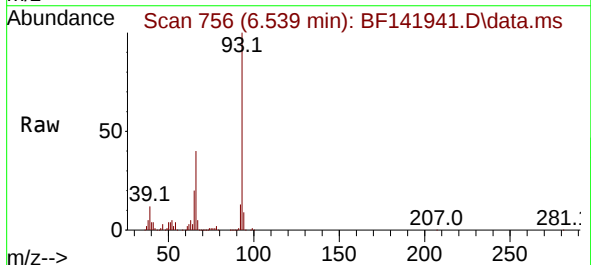
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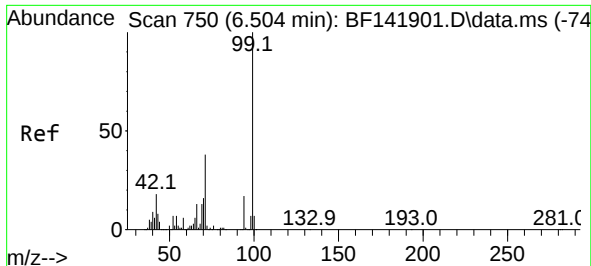
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#6
Aniline
Concen: 36.109 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

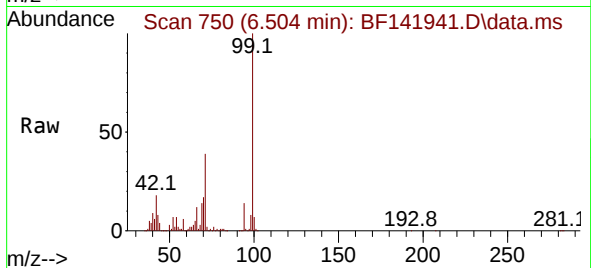
Tgt Ion: 93 Resp: 455935
Ion Ratio Lower Upper
93 100
66 40.4 31.9 47.9
65 19.8 15.8 23.6





#7
Phenol-d6
Concen: 137.067 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

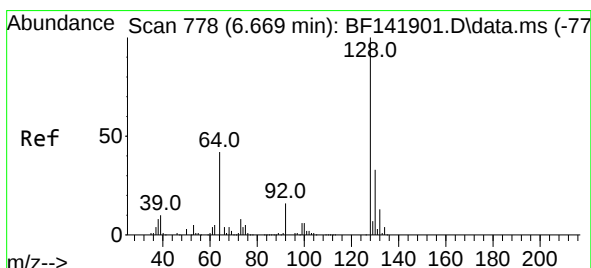
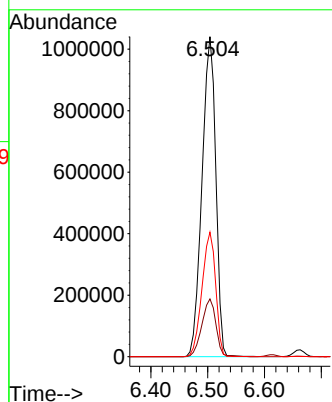
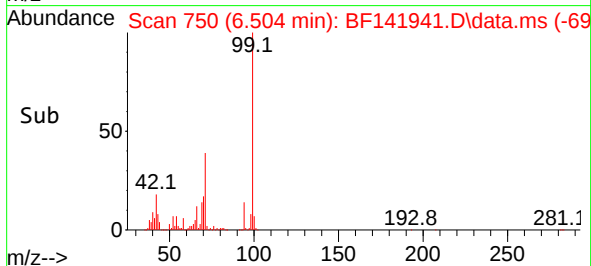
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion: 99 Resp: 175439
Ion Ratio Lower Upper
99 100
42 18.0 14.6 21.8
71 38.9 30.8 46.2

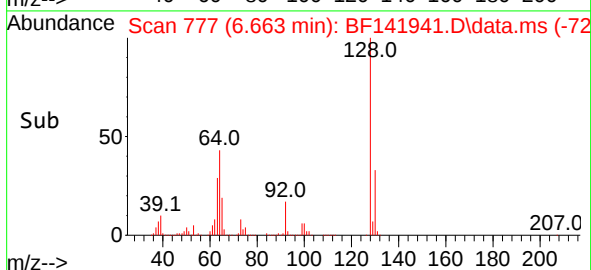
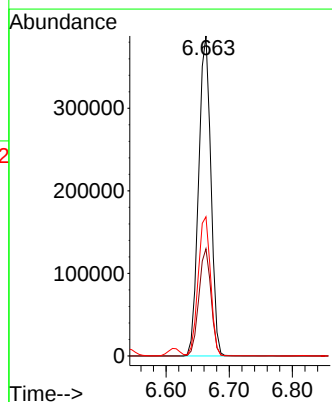
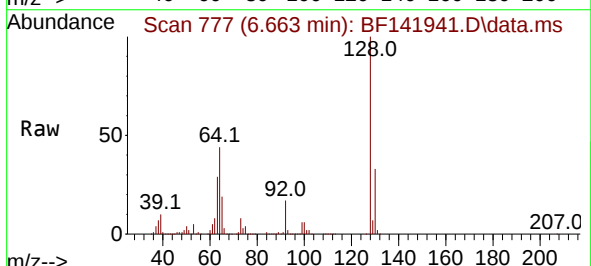
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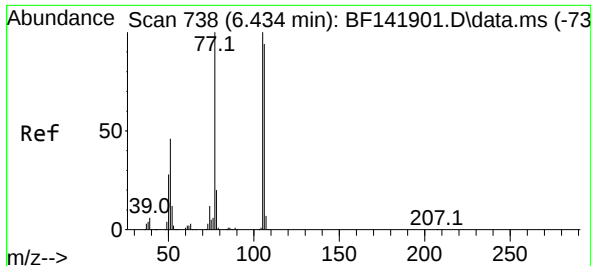
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#8
2-Chlorophenol
Concen: 46.852 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

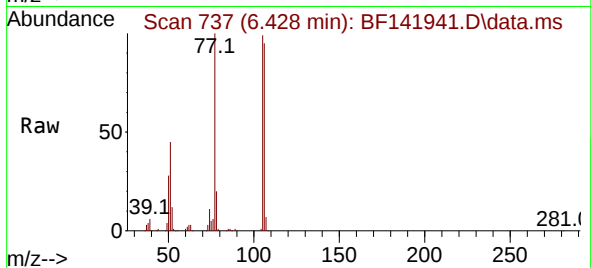
Tgt Ion:128 Resp: 522369
Ion Ratio Lower Upper
128 100
130 33.5 12.8 52.8
64 43.5 24.4 64.4





#9
Benzaldehyde
Concen: 22.563 ng
RT: 6.428 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

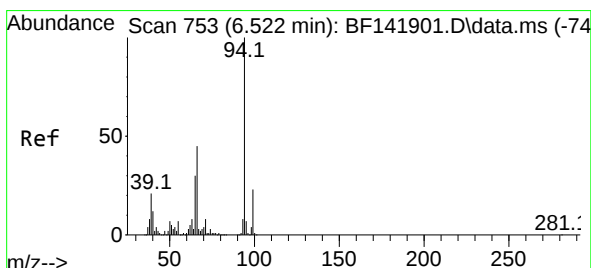
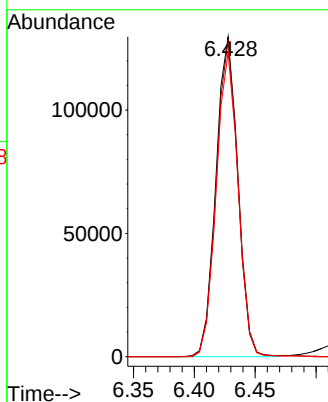
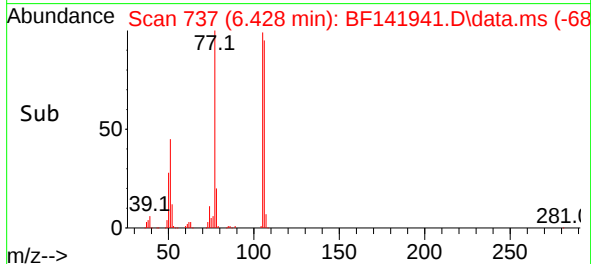
Instrument :
BNA_F
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Tgt Ion: 77 Resp: 161518
Ion Ratio Lower Upper
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105 98.8 80.0 120.0
106 95.0 74.5 114.5

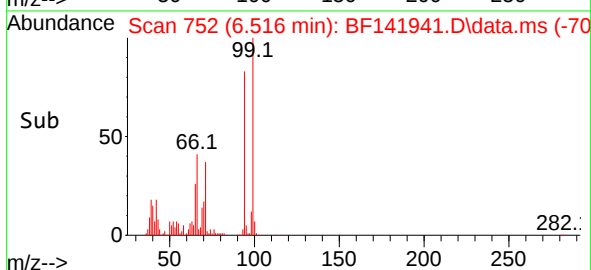
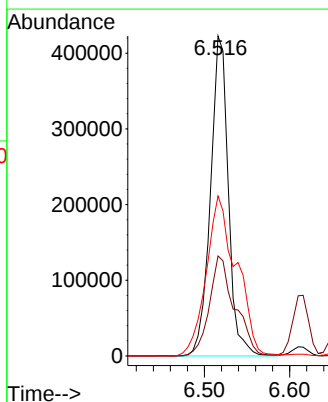
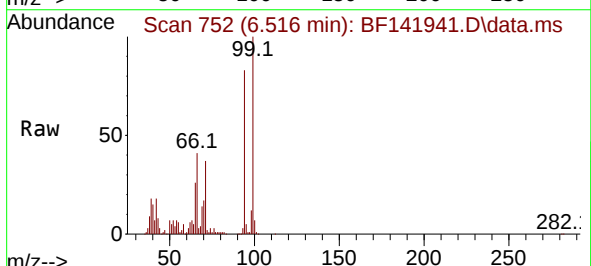
Manual Integrations
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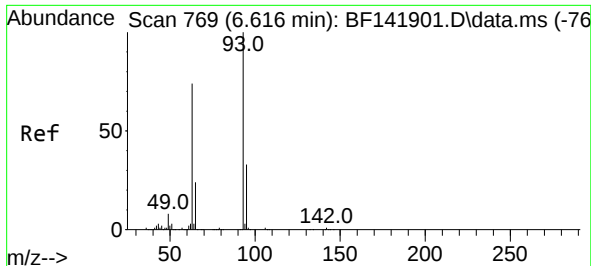
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#10
Phenol
Concen: 45.757 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

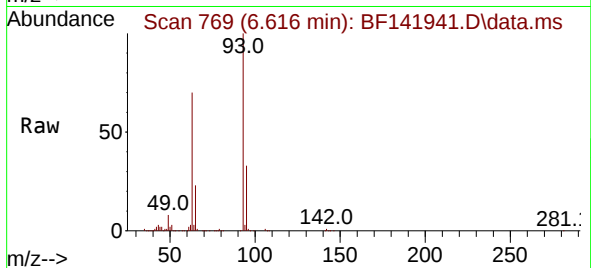
Tgt Ion: 94 Resp: 616143
Ion Ratio Lower Upper
94 100
65 31.2 10.5 50.5
66 50.0 25.8 65.8





#11
bis(2-Chloroethyl)ether
Concen: 45.535 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

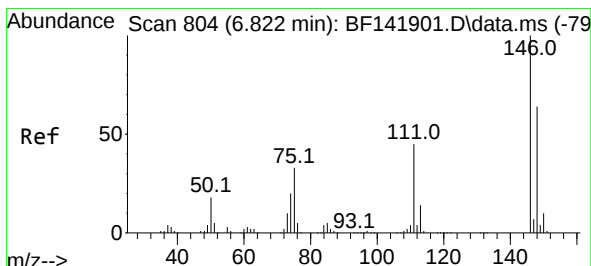
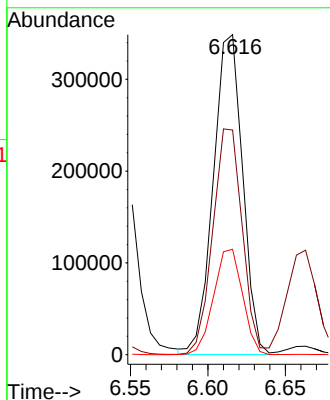
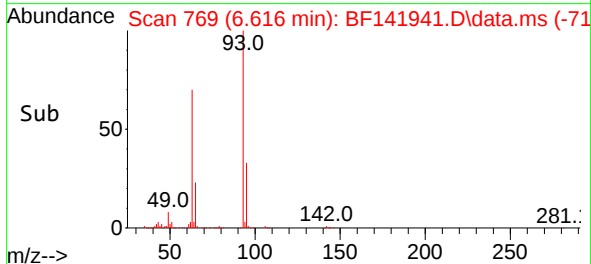
Instrument :
BNA_F
ClientSampleId :
PB167097BS



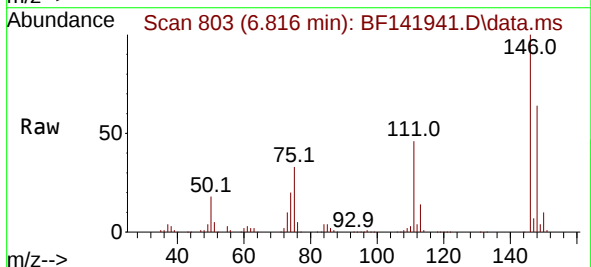
Tgt Ion: 93 Resp: 460400
Ion Ratio Lower Upper
93 100
63 70.2 53.0 93.0
95 32.9 12.9 52.9

Manual Integrations
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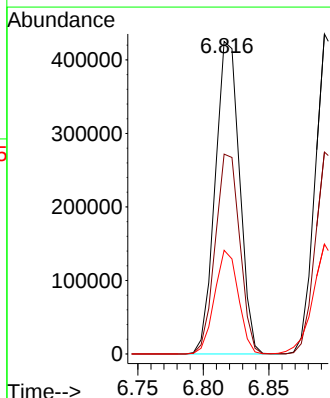
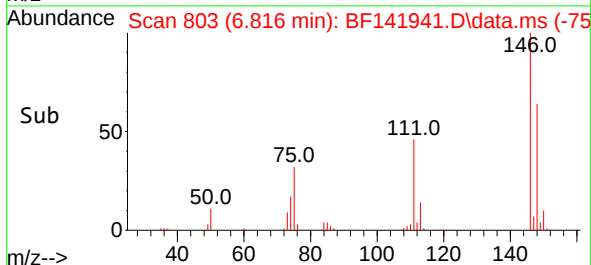
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#12
1,3-Dichlorobenzene
Concen: 45.613 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:146 Resp: 549049
Ion Ratio Lower Upper
146 100
148 64.0 51.3 76.9
75 33.2 26.6 40.0





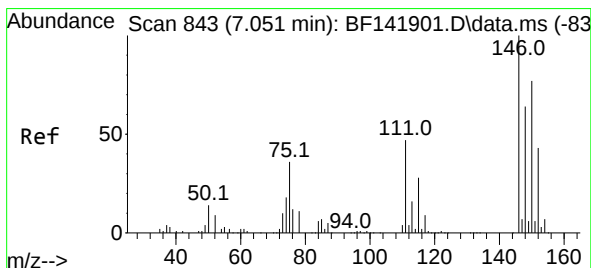
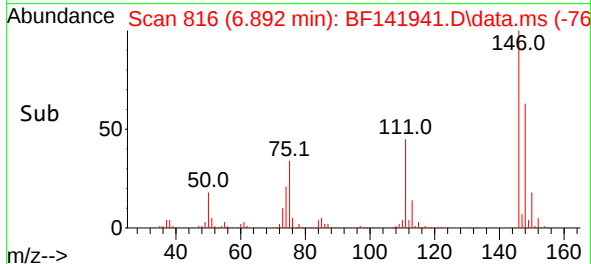
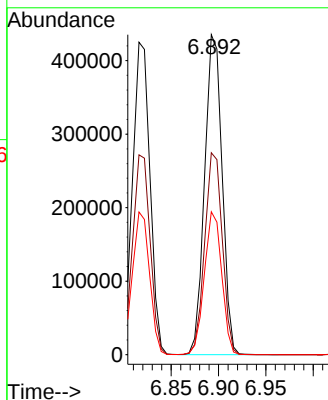
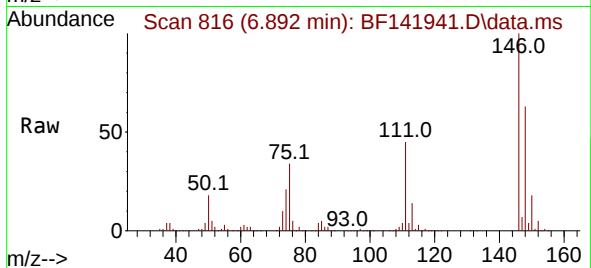
#13
1,4-Dichlorobenzene
Concen: 45.829 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :
BNA_F
ClientSampleId :
PB167097BS

Tgt Ion:146 Resp: 55815
Ion Ratio Lower Upper
146 100
148 63.1 51.0 76.6
111 44.7 35.7 53.5

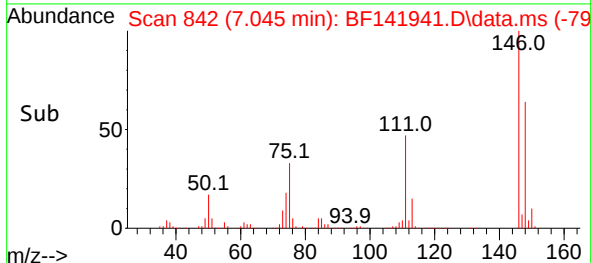
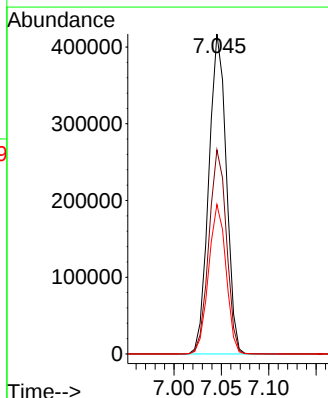
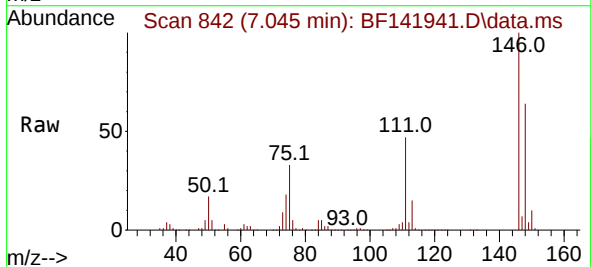
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#14
1,2-Dichlorobenzene
Concen: 46.667 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

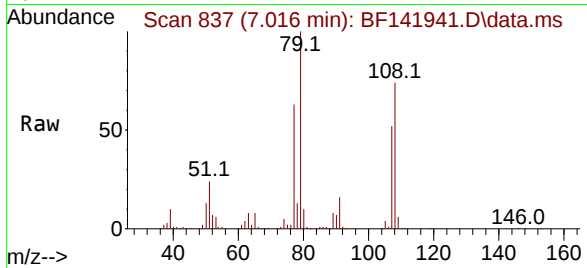
Tgt Ion:146 Resp: 535333
Ion Ratio Lower Upper
146 100
148 63.8 50.8 76.2
111 46.7 38.0 57.0





#15
Benzyl Alcohol
Concen: 44.930 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

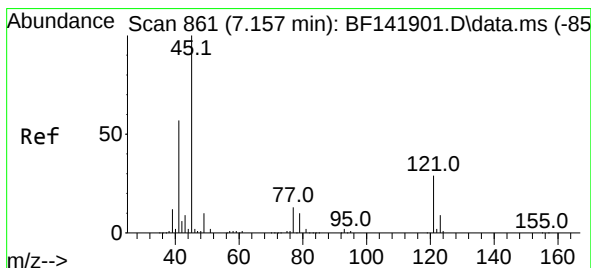
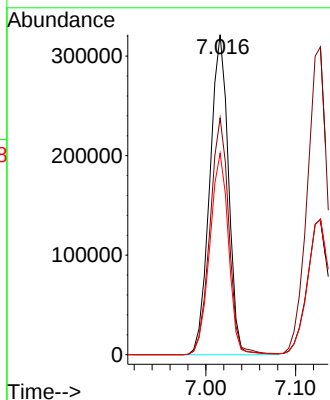
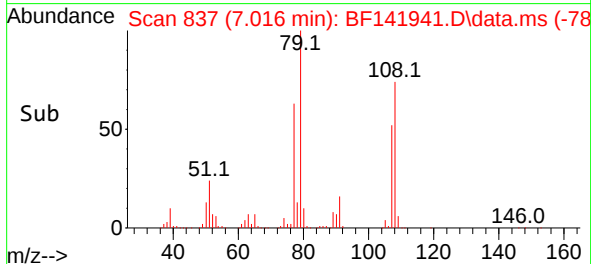
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion: 79 Resp: 46492
Ion Ratio Lower Upper
79 100
108 74.0 59.7 89.5
77 63.0 51.0 76.6

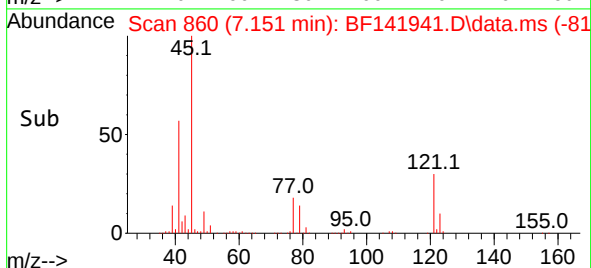
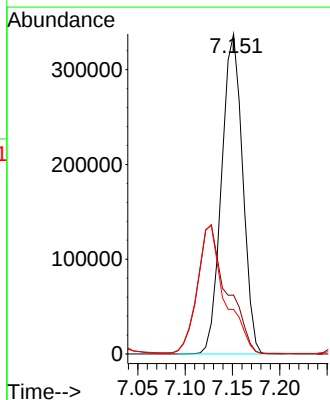
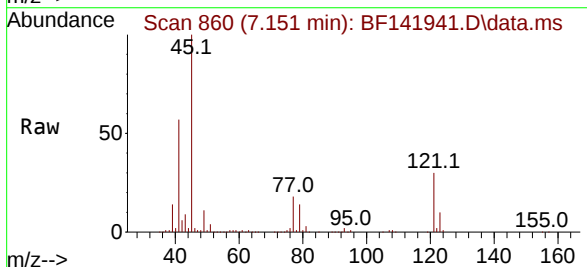
Manual Integrations
APPROVED

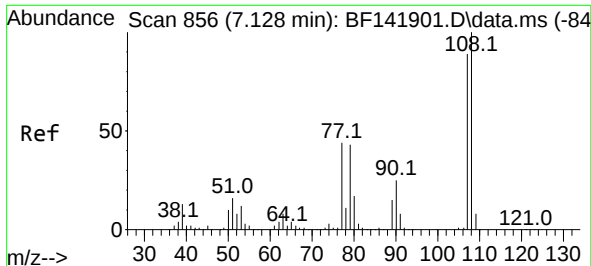
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.748 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 45 Resp: 521817
Ion Ratio Lower Upper
45 100
77 18.4 0.0 37.8
79 13.9 0.0 34.2





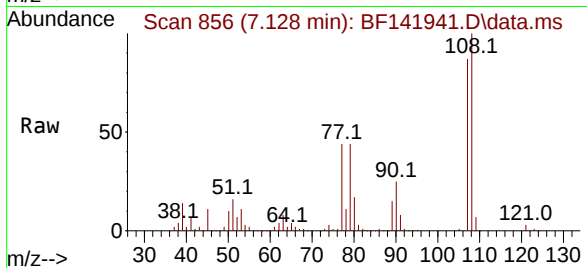
#17
2-Methylphenol
Concen: 46.686 ng
RT: 7.128 min Scan# 856
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

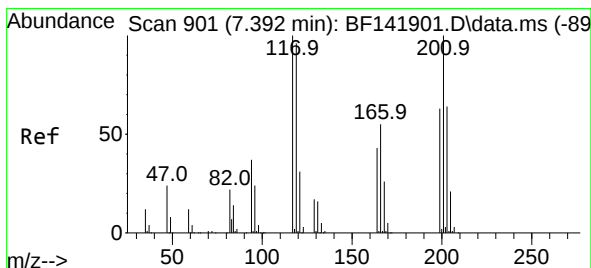
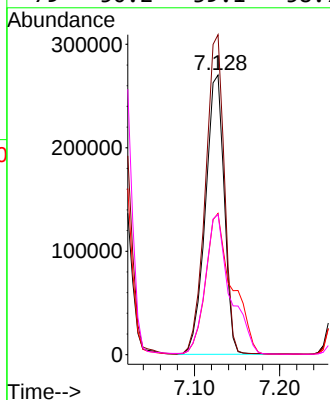
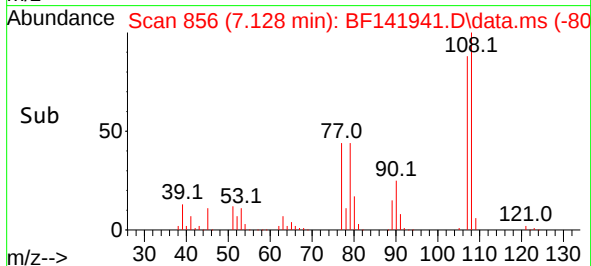


Tgt Ion:107 Resp: 413870
Ion Ratio Lower Upper
107 100
108 114.4 90.2 135.2
77 50.5 39.6 59.4
79 50.2 39.1 58.7

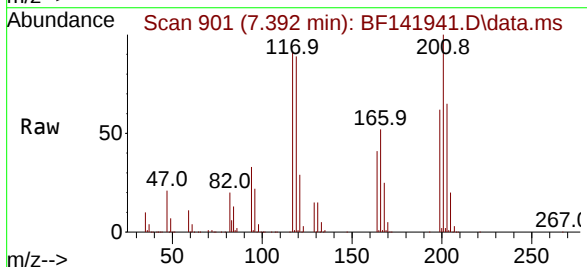
Manual Integrations

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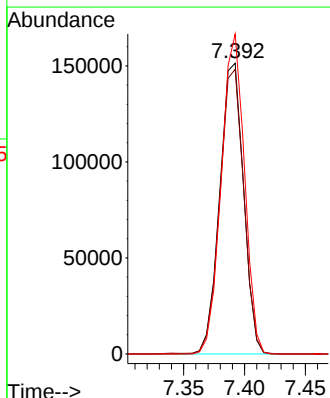
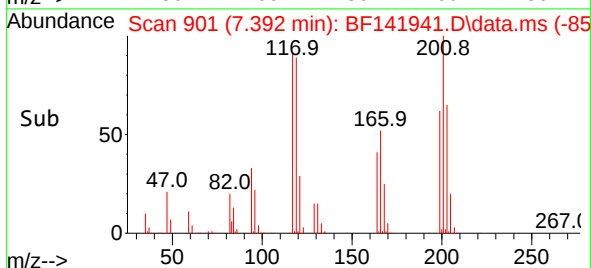
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#18
Hexachloroethane
Concen: 45.179 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:117 Resp: 206331
Ion Ratio Lower Upper
117 100
119 97.9 76.9 115.3
201 110.1 79.9 119.9





#19

n-Nitroso-di-n-propylamine

Concen: 43.331 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF141941.D

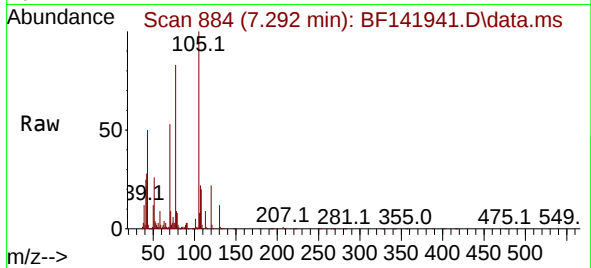
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



Tgt Ion: 70 Resp: 356374

Ion Ratio Lower Upper

70 100

42 52.3 41.4 62.0

101 10.3 8.2 12.2

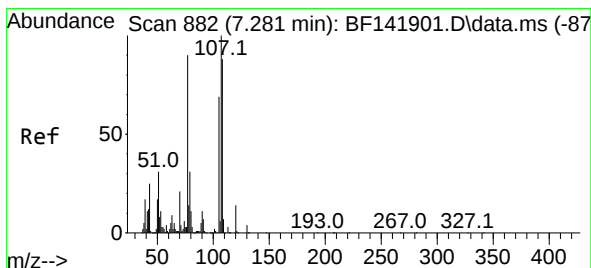
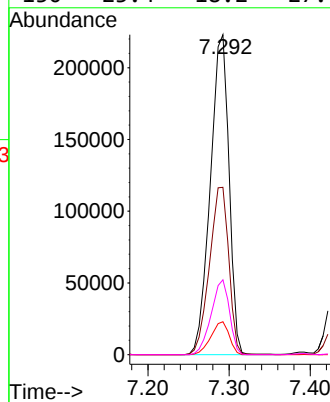
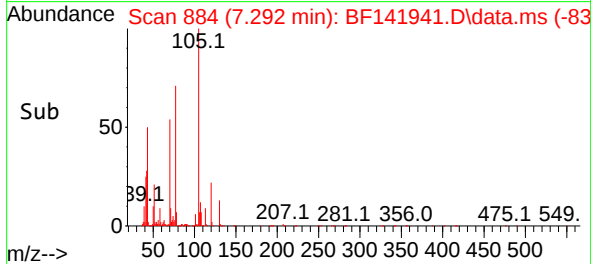
130 23.4 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#20

3+4-Methylphenols

Concen: 46.311 ng

RT: 7.281 min Scan# 882

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 525851

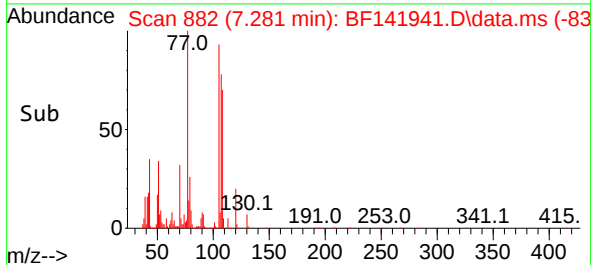
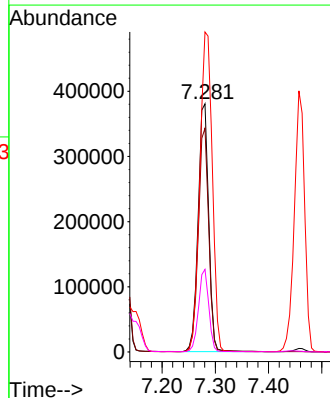
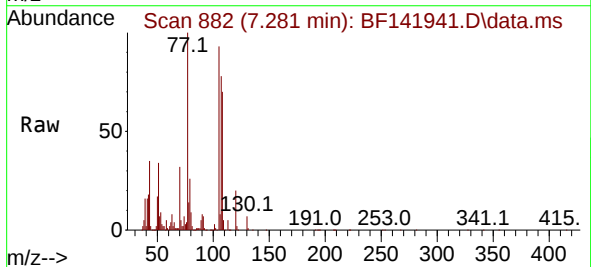
Ion Ratio Lower Upper

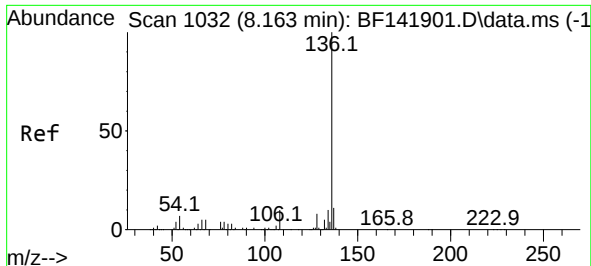
107 100

108 90.1 68.4 108.4

77 129.0 69.7 109.7#

79 33.3 11.4 51.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

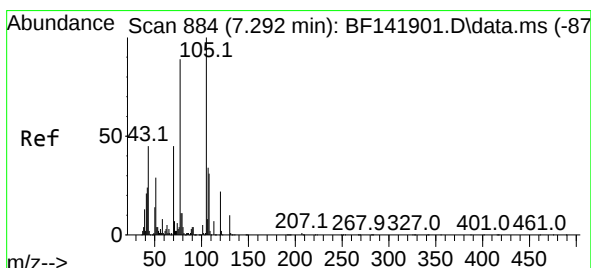
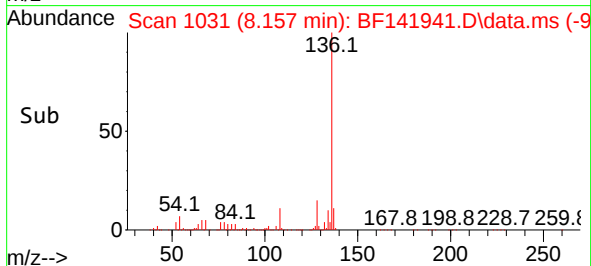
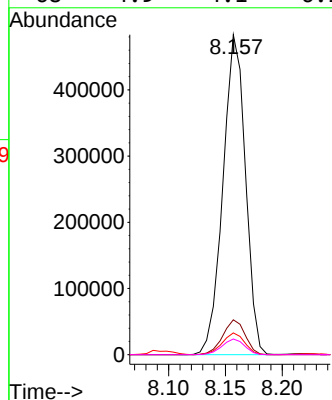
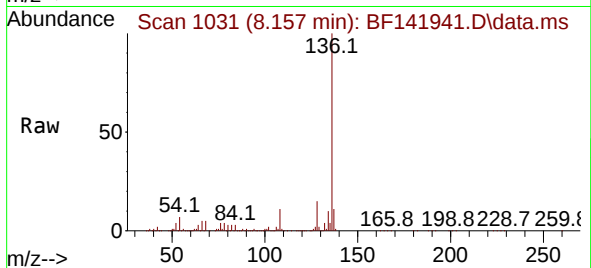
PB167097BS

Tgt Ion:136 Resp: 666660
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.8 8.8
68 4.9 4.1 6.1

Manual Integrations

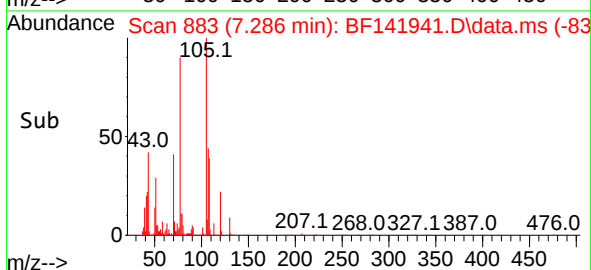
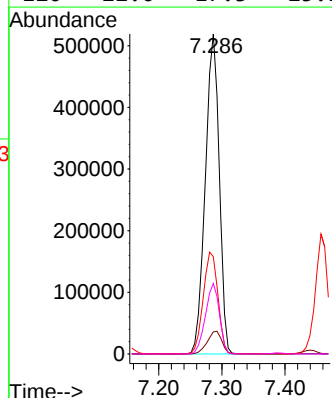
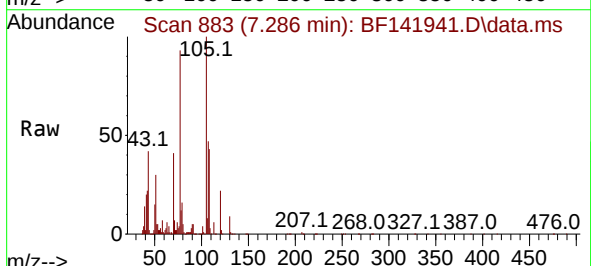
APPROVED

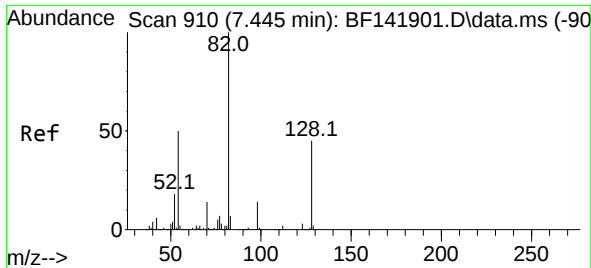
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#22
Acetophenone
Concen: 49.735 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:105 Resp: 794019
Ion Ratio Lower Upper
105 100
71 6.9 5.8 8.8
51 30.4 23.4 35.0
120 22.0 17.3 25.9





#23
Nitrobenzene-d5
Concen: 98.606 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

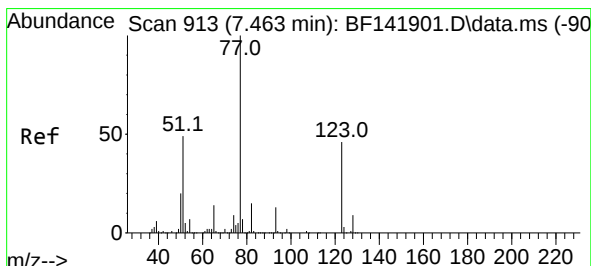
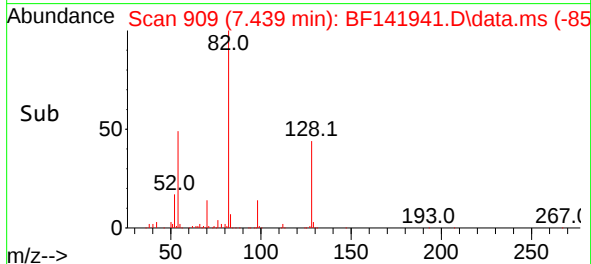
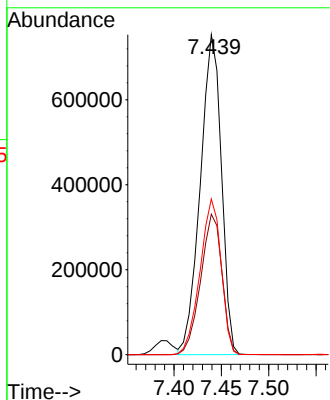
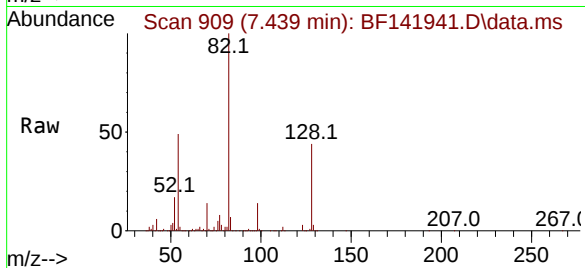
PB167097BS

Tgt Ion: 82 Resp: 116811
Ion Ratio Lower Upper
82 100
128 43.9 36.0 54.0
54 48.6 39.6 59.4

Manual Integrations

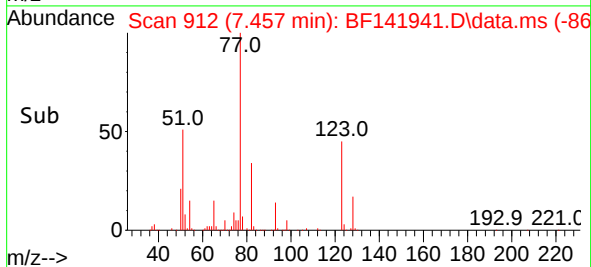
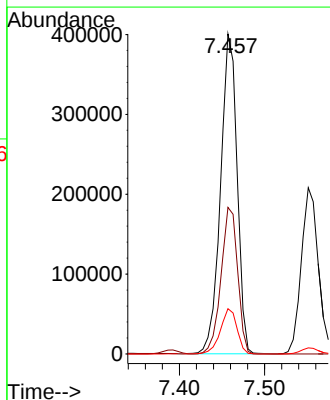
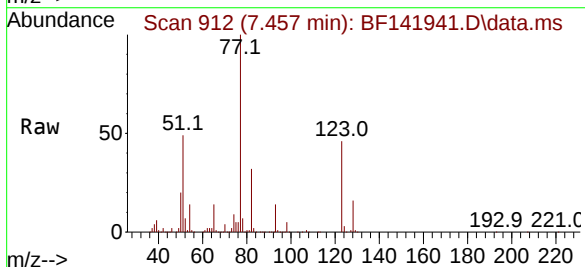
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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#24
Nitrobenzene
Concen: 45.933 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 77 Resp: 540933
Ion Ratio Lower Upper
77 100
123 45.8 37.0 55.4
65 14.1 11.3 16.9





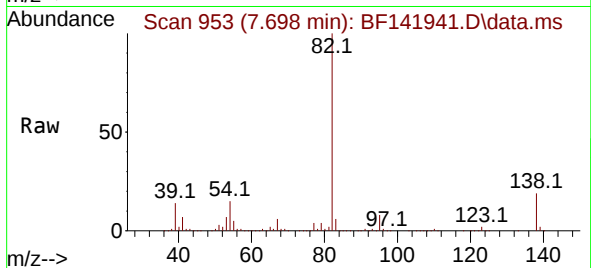
#25
Isophorone
Concen: 47.387 ng
RT: 7.698 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

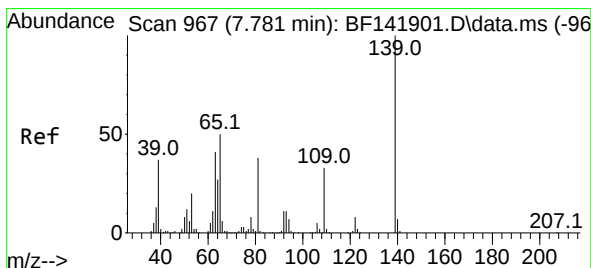
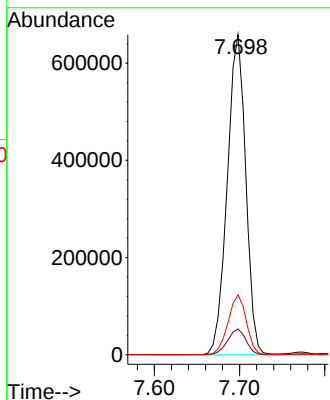
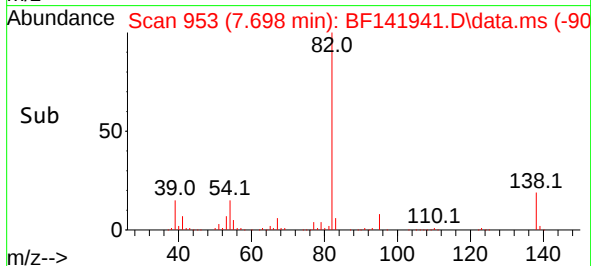


Tgt Ion: 82 Resp: 992280
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.7 14.9 22.3

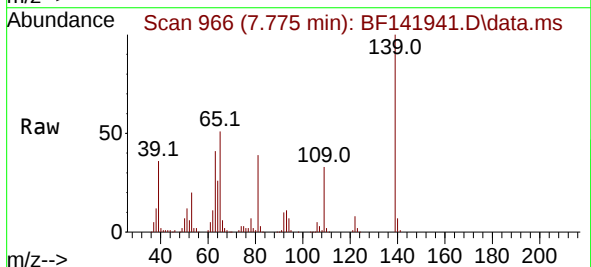
Manual Integrations

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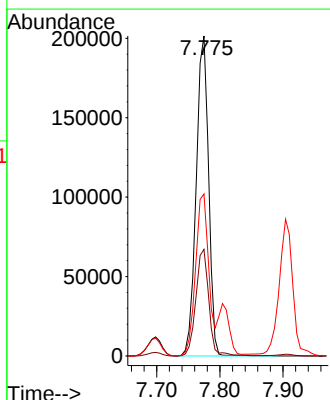
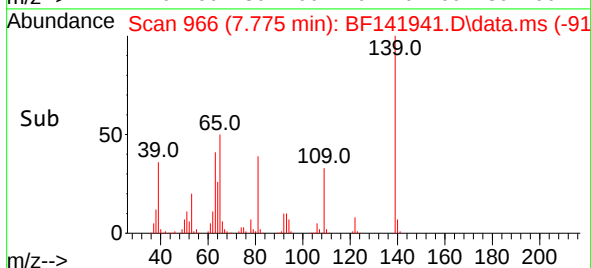
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#26
2-Nitrophenol
Concen: 47.460 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:139 Resp: 274315
Ion Ratio Lower Upper
139 100
109 33.3 26.5 39.7
65 50.7 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 57.557 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141941.D

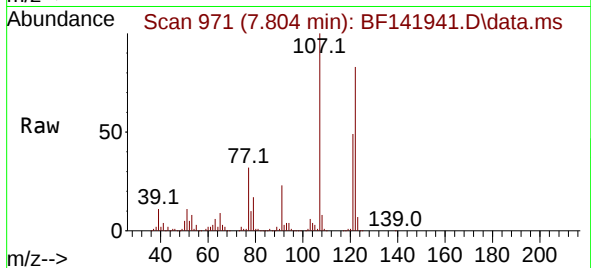
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



Tgt Ion:122 Resp: 45808

Ion Ratio Lower Upper

122 100

107 120.2 94.8 142.2

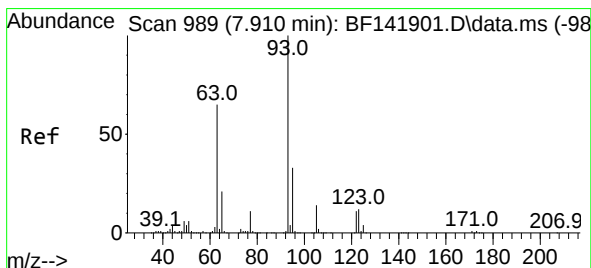
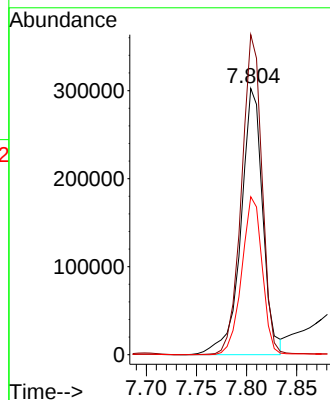
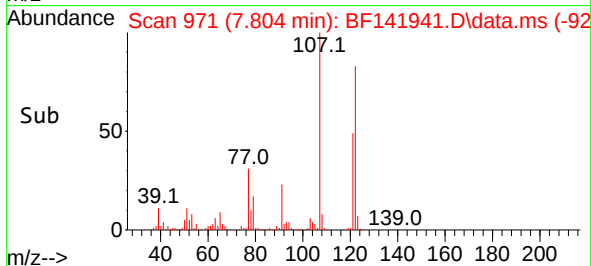
121 59.3 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#28

bis(2-Chloroethoxy)methane

Concen: 44.484 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

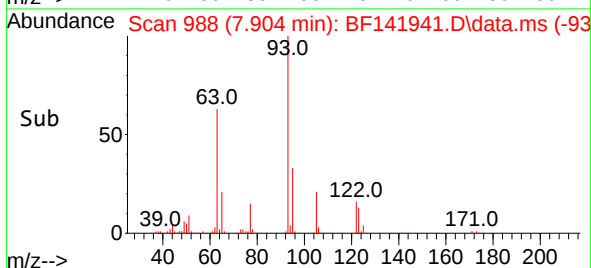
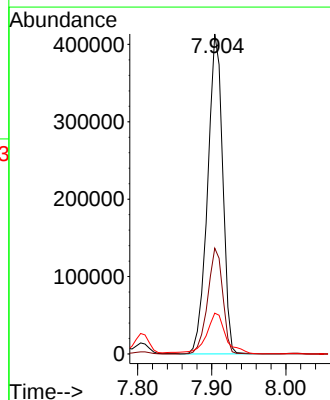
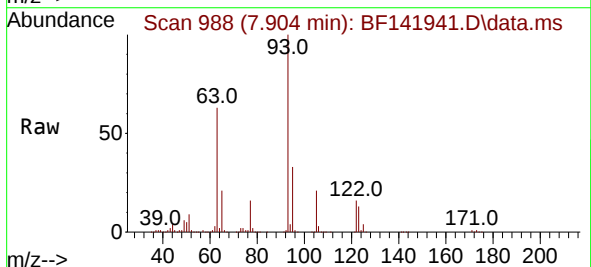
Tgt Ion: 93 Resp: 584252

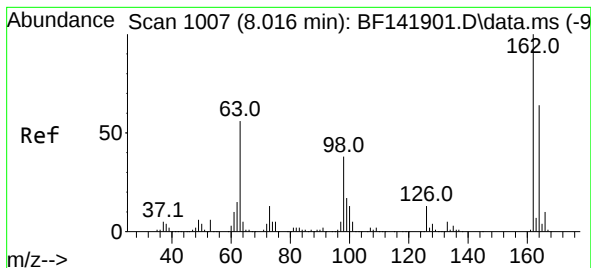
Ion Ratio Lower Upper

93 100

95 33.0 26.6 40.0

123 12.7 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.058 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

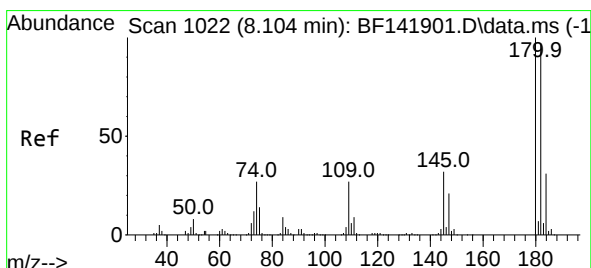
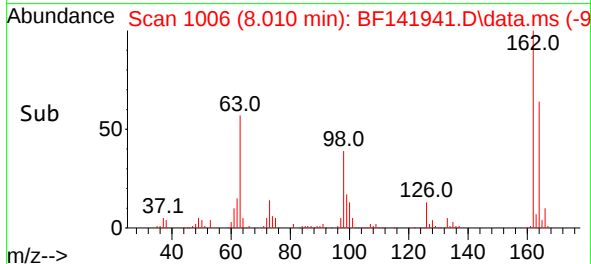
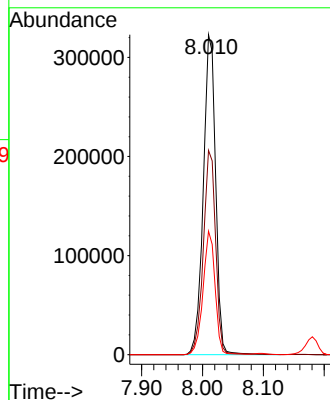
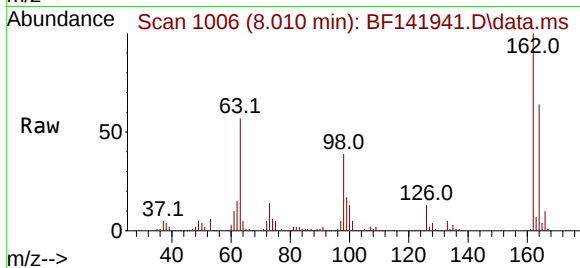
PB167097BS

Tgt Ion:162 Resp: 454991
 Ion Ratio Lower Upper
 162 100
 164 63.9 43.8 83.8
 98 38.6 18.1 58.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.952 ng

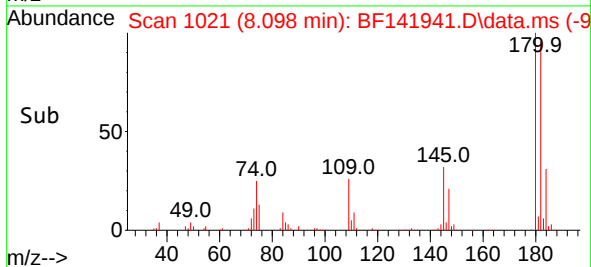
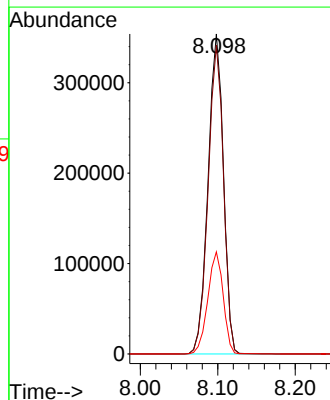
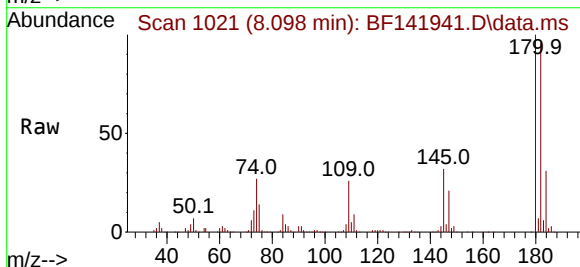
RT: 8.098 min Scan# 1021

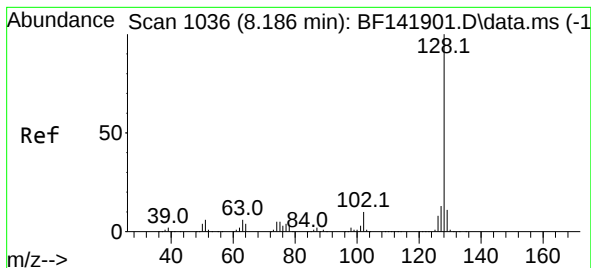
Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Tgt Ion:180 Resp: 489377
 Ion Ratio Lower Upper
 180 100
 182 96.5 77.5 116.3
 145 31.9 25.8 38.6





#31

Naphthalene

Concen: 44.415 ng

RT: 8.181 min Scan# 1036

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:128 Resp: 152100

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

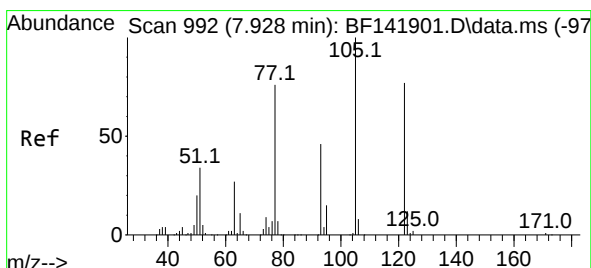
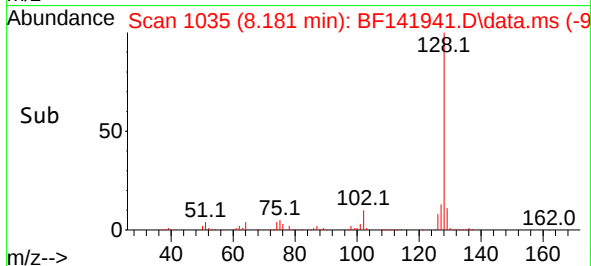
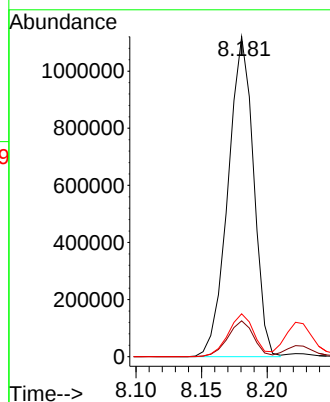
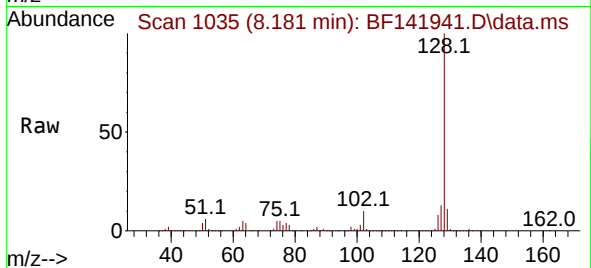
127 13.4 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#32

Benzoic acid

Concen: 52.727 ng

RT: 7.928 min Scan# 992

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

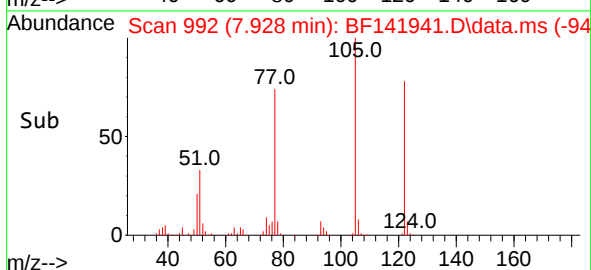
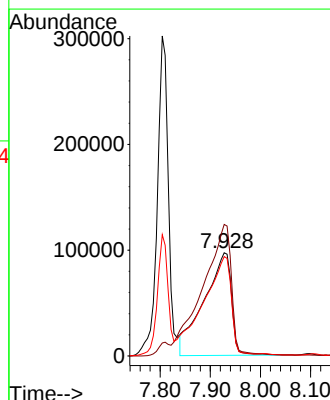
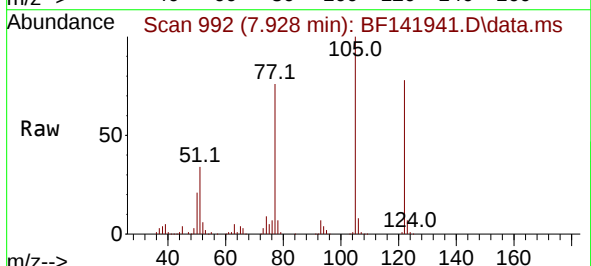
Tgt Ion:122 Resp: 368882

Ion Ratio Lower Upper

122 100

105 127.5 107.9 147.9

77 96.3 79.0 119.0





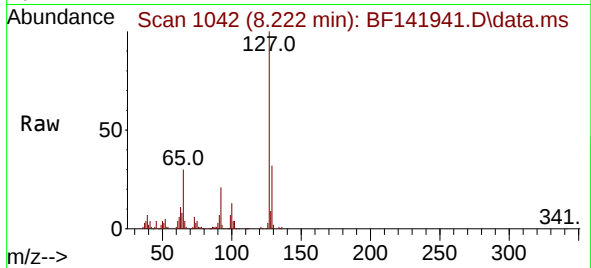
#33
4-Chloroaniline
Concen: 15.710 ng
RT: 8.222 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

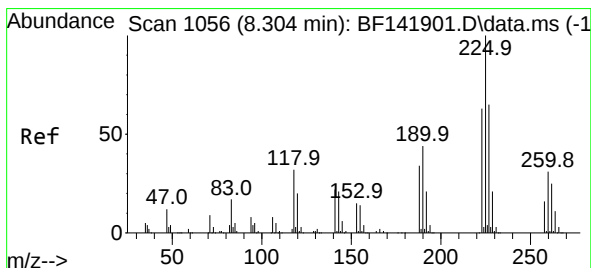
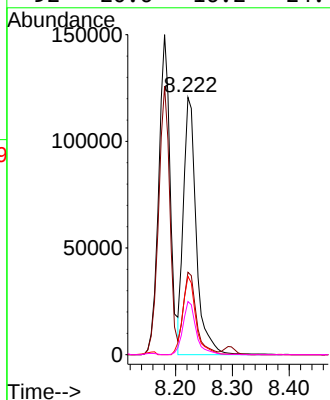
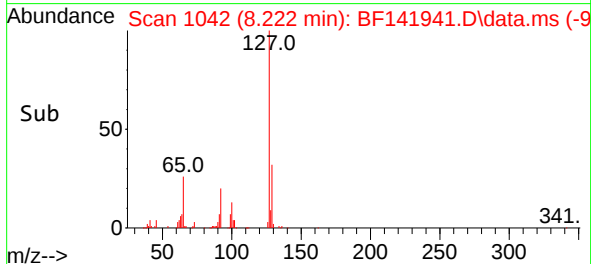


Tgt Ion:127 Resp: 189925
Ion Ratio Lower Upper
127 100
129 32.0 26.2 39.4
65 30.4 25.4 38.2
92 20.6 16.2 24.4

Manual Integrations

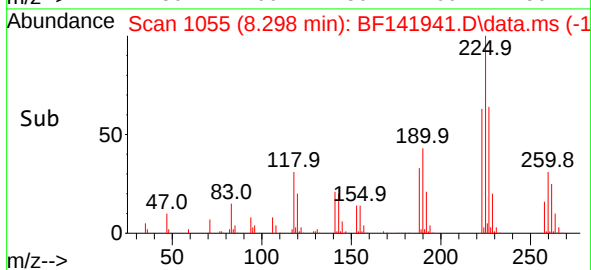
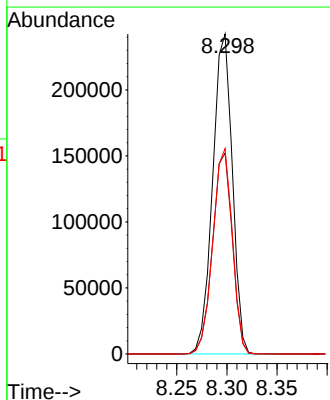
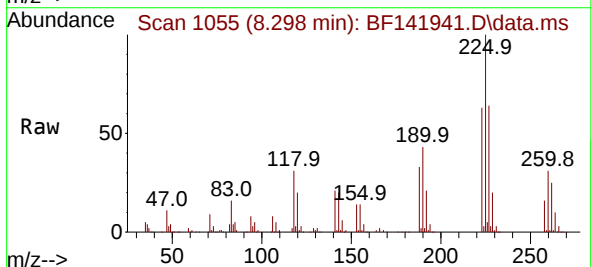
APPROVED

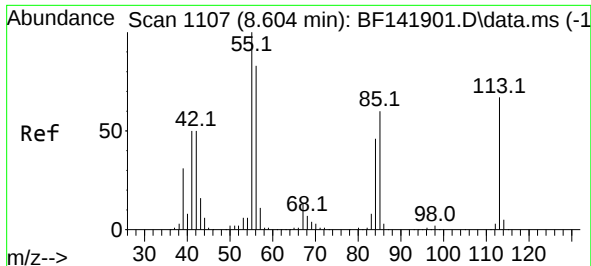
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#34
Hexachlorobutadiene
Concen: 46.496 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

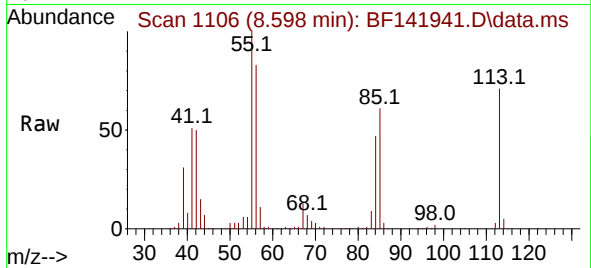
Tgt Ion:225 Resp: 330110
Ion Ratio Lower Upper
225 100
223 62.8 50.6 75.8
227 64.2 52.2 78.2





#35
Caprolactam
Concen: 49.717 ng m
RT: 8.598 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

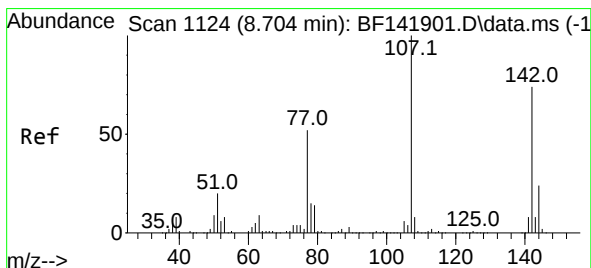
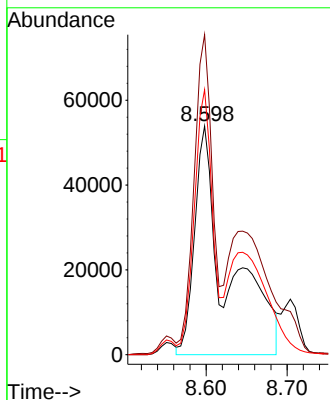
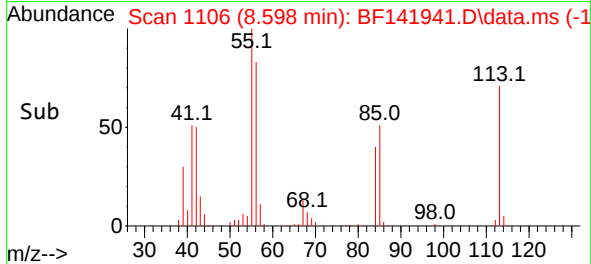
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:113 Resp: 149730
Ion Ratio Lower Upper
113 100
55 139.9 129.6 169.6
56 115.9 104.0 144.0

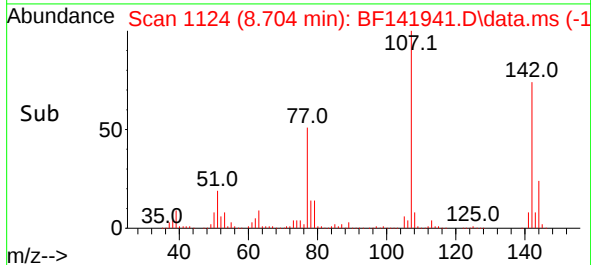
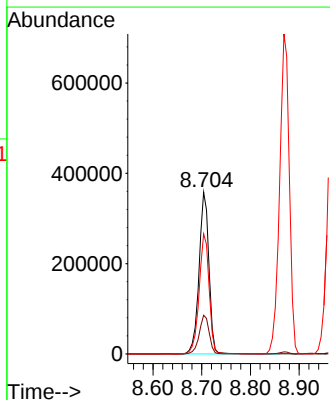
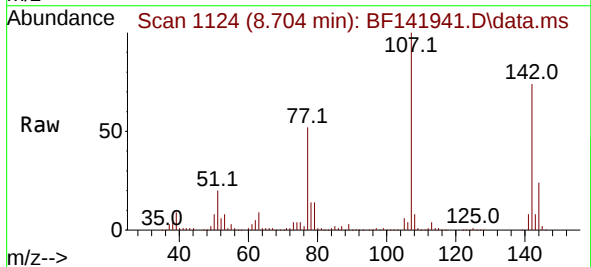
Manual Integrations
APPROVED

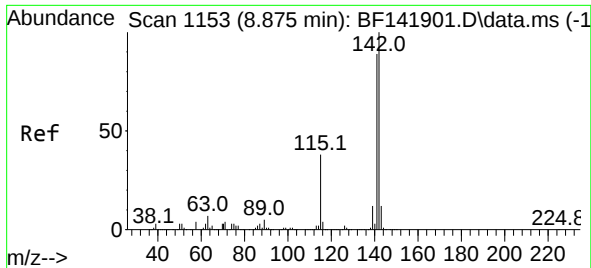
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#36
4-Chloro-3-methylphenol
Concen: 45.924 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:107 Resp: 506070
Ion Ratio Lower Upper
107 100
144 24.0 19.0 28.6
142 74.3 59.2 88.8





#37

2-Methylnaphthalene

Concen: 42.989 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:142 Resp: 984010

Ion Ratio Lower Upper

142 100

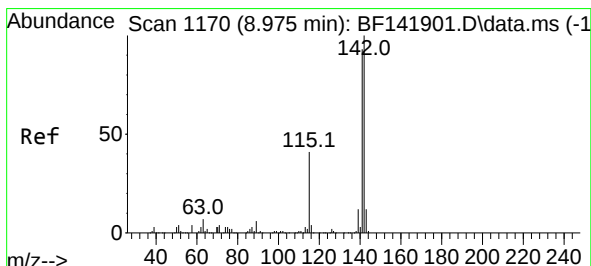
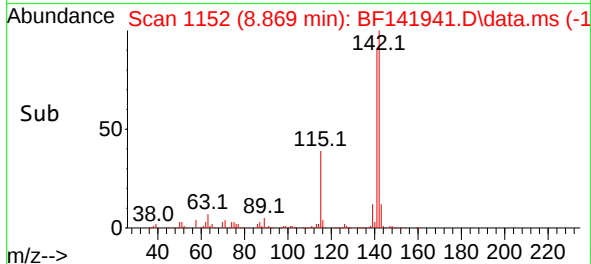
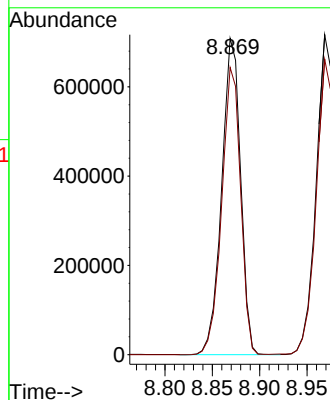
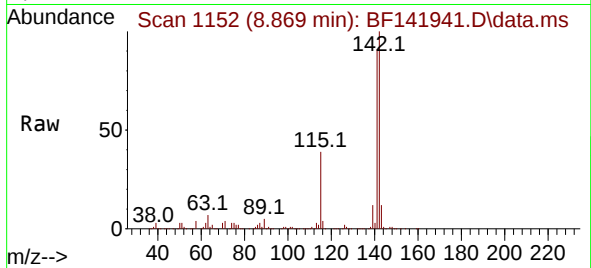
141 90.8 71.2 106.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#38

1-Methylnaphthalene

Concen: 44.147 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141941.D

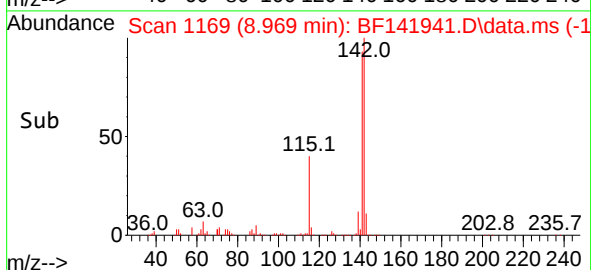
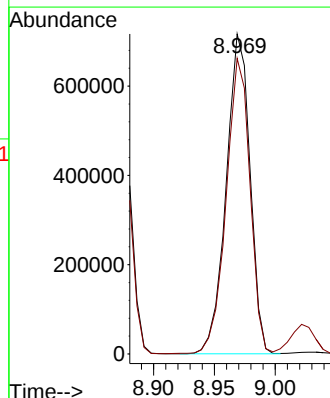
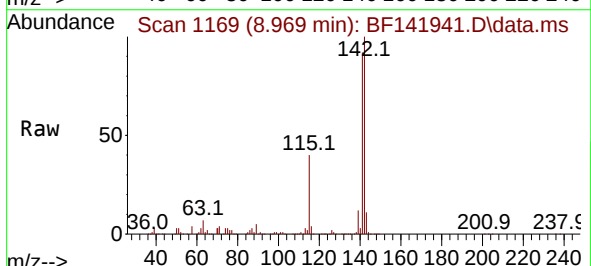
Acq: 13 Mar 2025 13:17

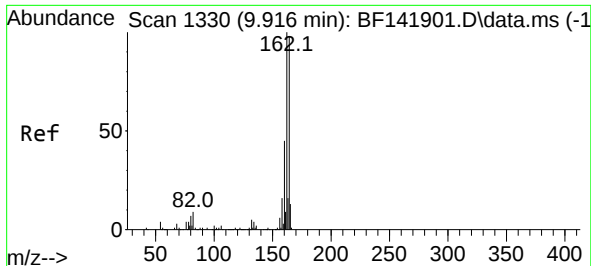
Tgt Ion:142 Resp: 975143

Ion Ratio Lower Upper

142 100

141 92.4 74.2 111.4





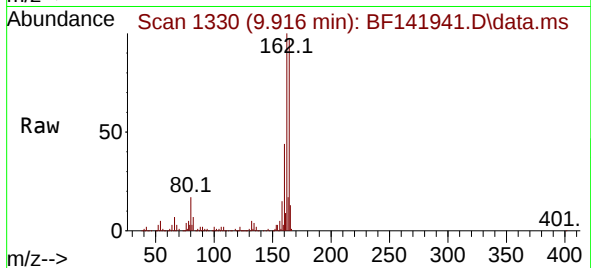
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1181
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

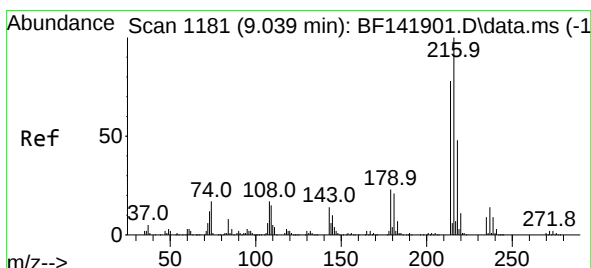
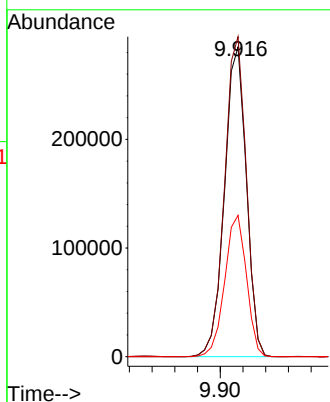
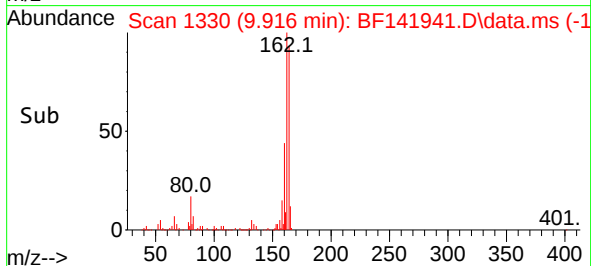


Tgt Ion:164 Resp: 381131
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.6
160 45.6 36.7 55.1

Manual Integrations

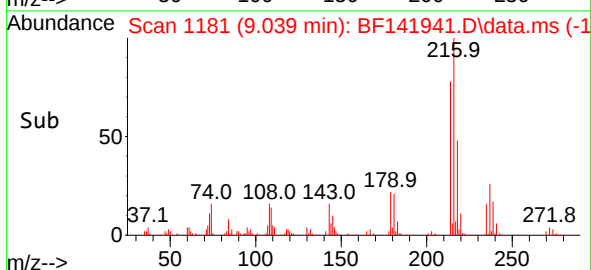
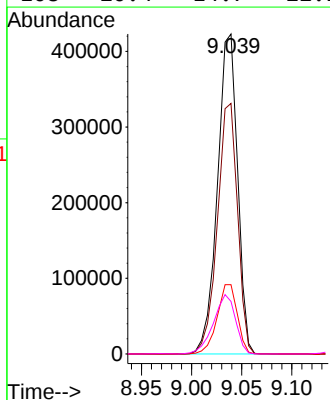
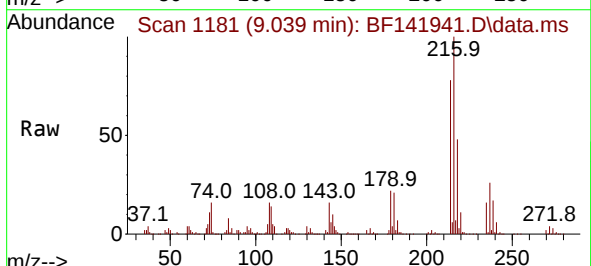
APPROVED

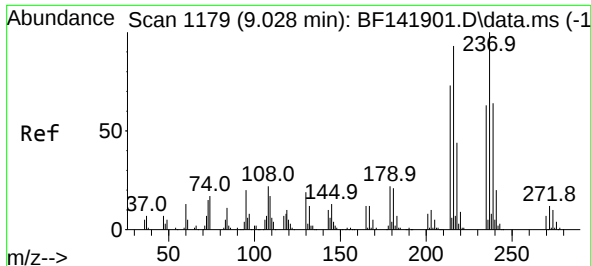
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.807 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:216 Resp: 589567
Ion Ratio Lower Upper
216 100
214 78.4 61.9 92.9
179 21.8 18.1 27.1
108 20.4 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 173.440 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

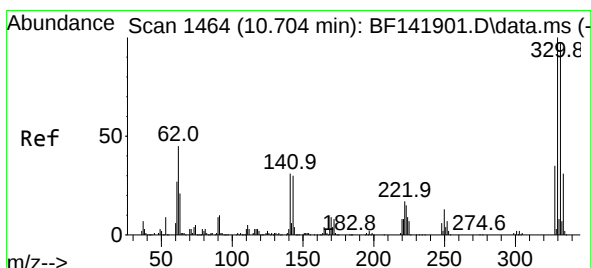
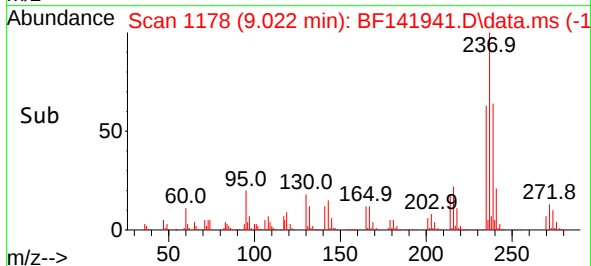
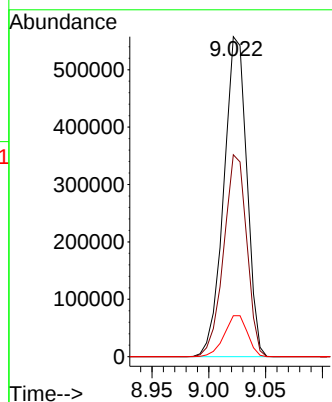
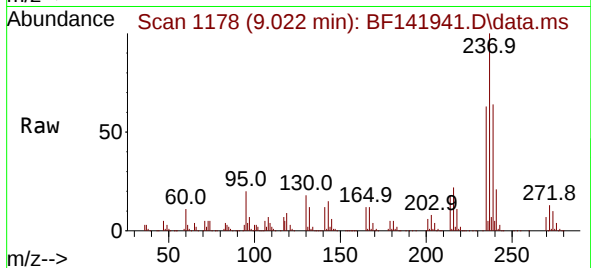
ClientSampleId :

PB167097BS

Tgt Ion:237 Resp: 78764
Ion Ratio Lower Upper
237 100
235 63.1 43.1 83.1
272 12.8 0.0 32.0

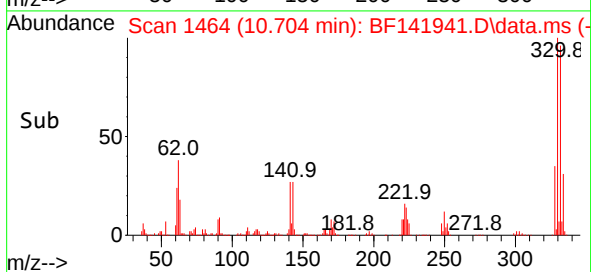
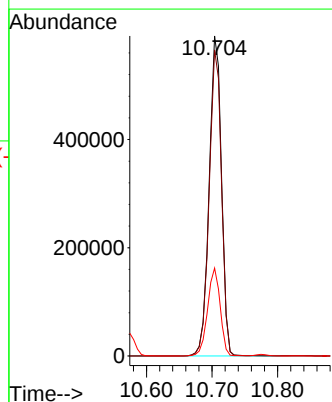
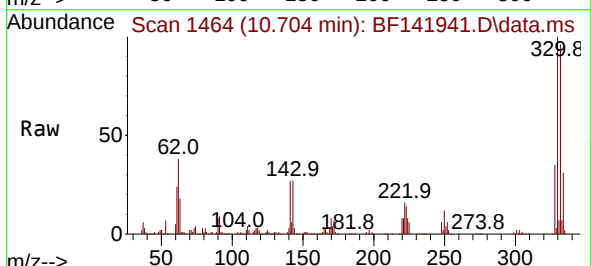
Manual Integrations
APPROVED

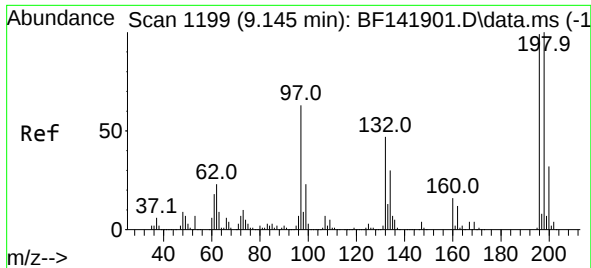
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#42
2,4,6-Tribromophenol
Concen: 160.048 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:330 Resp: 773860
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 28.0 24.7 37.1





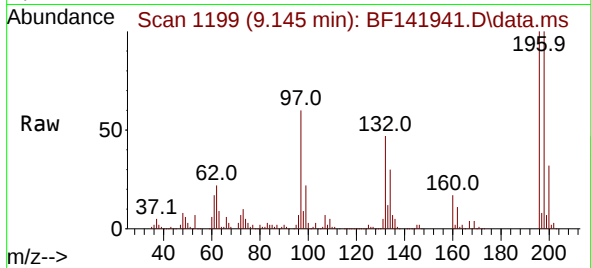
#43
2,4,6-Trichlorophenol
Concen: 49.244 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

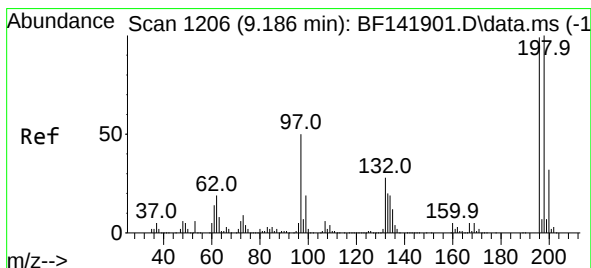
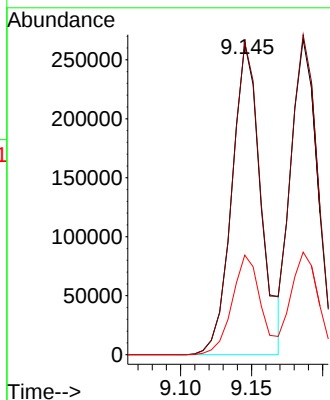
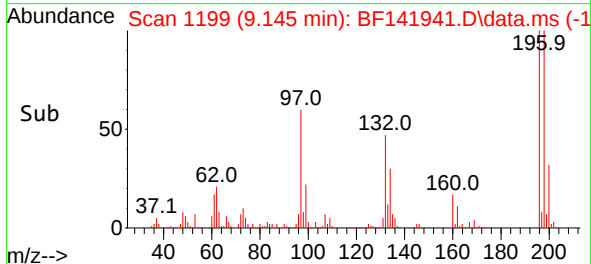


Tgt Ion:196 Resp: 373440
Ion Ratio Lower Upper
196 100
198 100.4 80.6 121.0
200 32.0 25.8 38.6

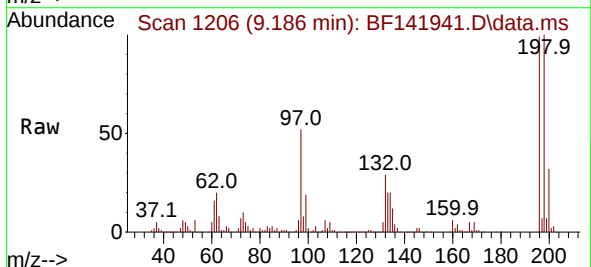
Manual Integrations

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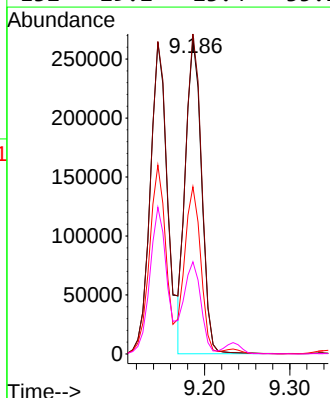
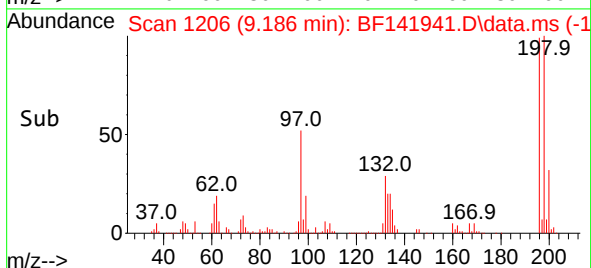
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

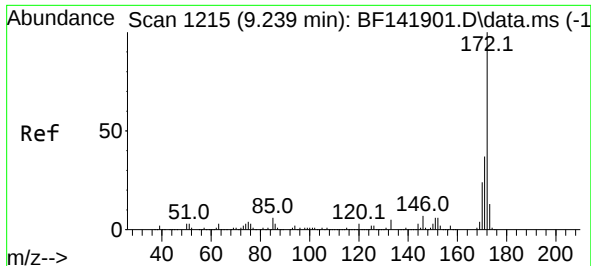


#44
2,4,5-Trichlorophenol
Concen: 45.418 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



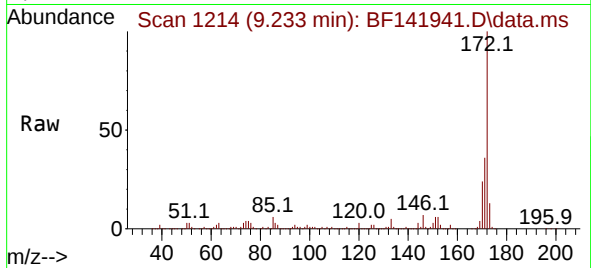
Tgt Ion:196 Resp: 348841
Ion Ratio Lower Upper
196 100
198 101.4 80.7 121.1
97 53.0 42.1 63.1
132 29.2 23.4 35.2





#45
2-Fluorobiphenyl
Concen: 97.806 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

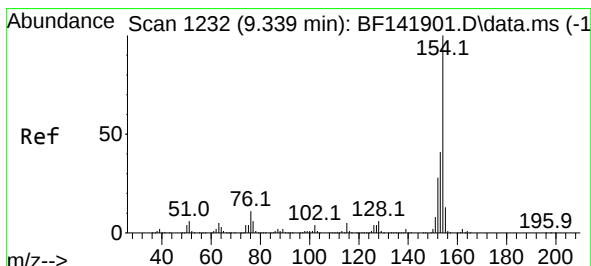
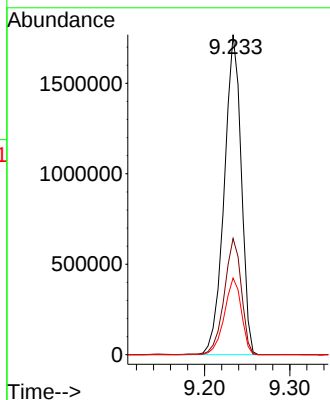
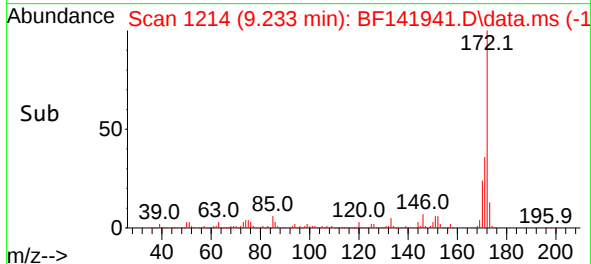
Instrument :
BNA_F
ClientSampleId :
PB167097BS



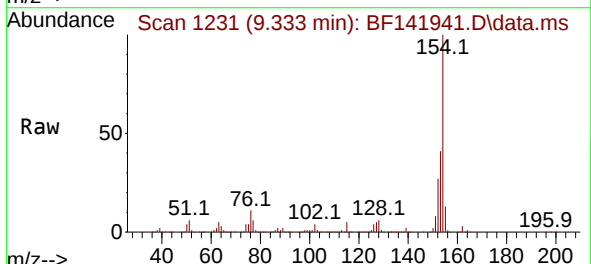
Tgt Ion:172 Resp: 245114
Ion Ratio Lower Upper
172 100
171 36.3 29.3 43.9
170 24.0 19.4 29.0

Manual Integrations
APPROVED

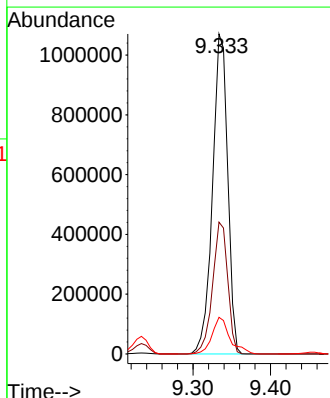
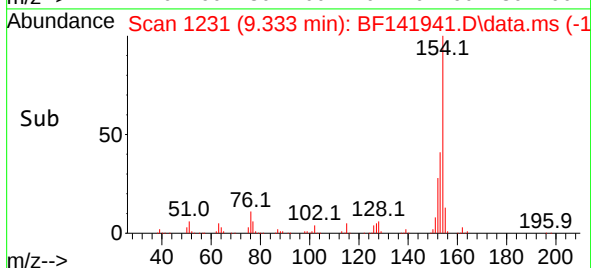
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#46
1,1'-Biphenyl
Concen: 50.256 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:154 Resp: 1455375
Ion Ratio Lower Upper
154 100
153 41.2 21.1 61.1
76 11.5 0.0 31.3





#47
2-Chloronaphthalene
Concen: 46.033 ng
RT: 9.363 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

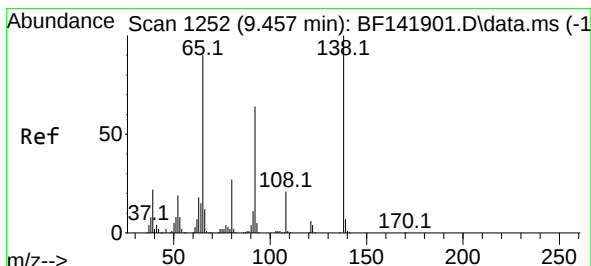
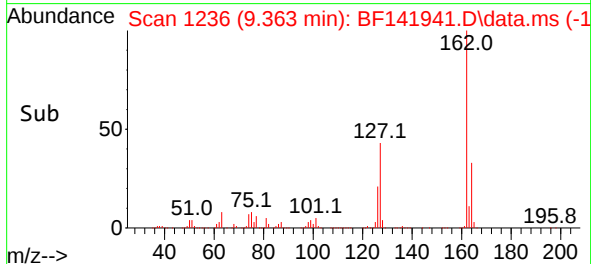
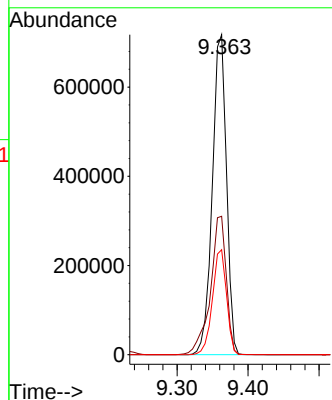
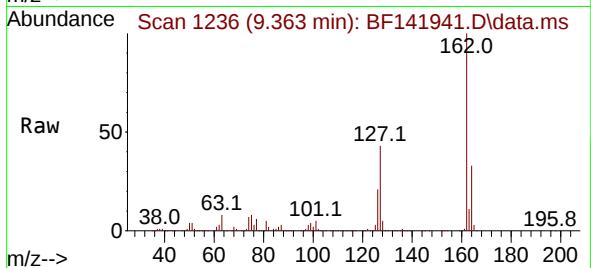
ClientSampleId :

PB167097BS

Tgt Ion:162 Resp: 993609
Ion Ratio Lower Upper
162 100
127 43.2 35.5 53.3
164 32.8 26.6 40.0

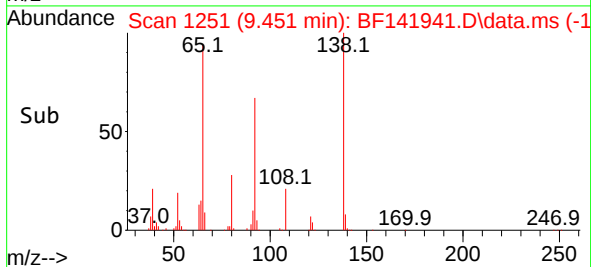
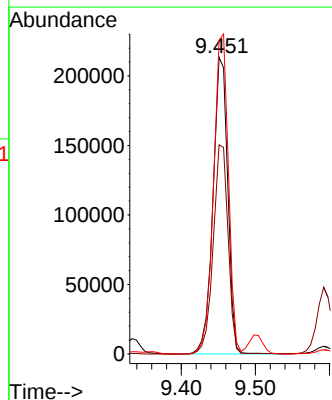
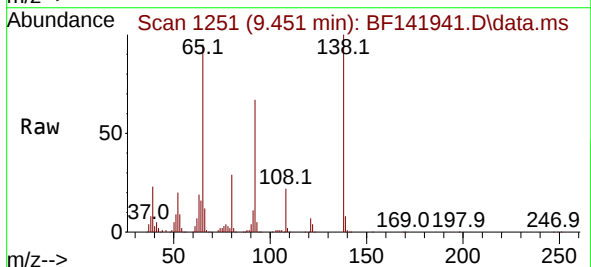
Manual Integrations
APPROVED

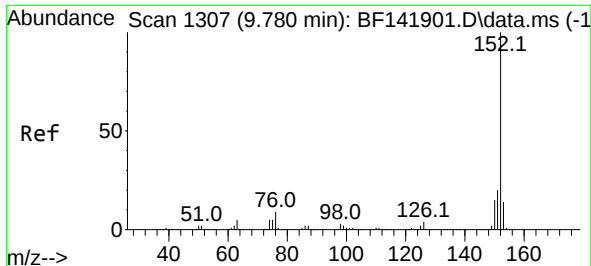
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#48
2-Nitroaniline
Concen: 47.288 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion: 65 Resp: 295534
Ion Ratio Lower Upper
65 100
92 70.5 56.6 84.8
138 105.7 88.6 133.0





#49
Acenaphthylene
Concen: 48.500 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

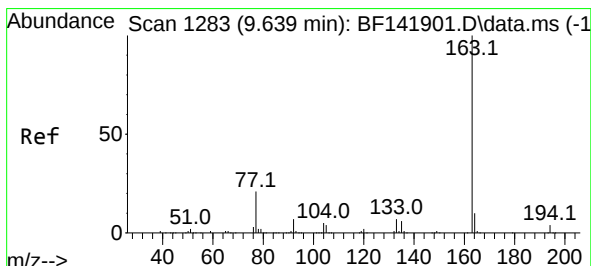
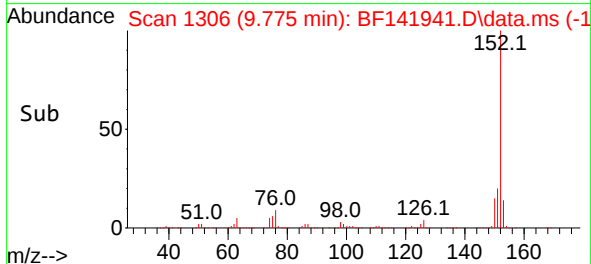
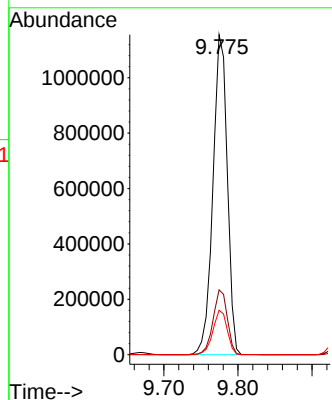
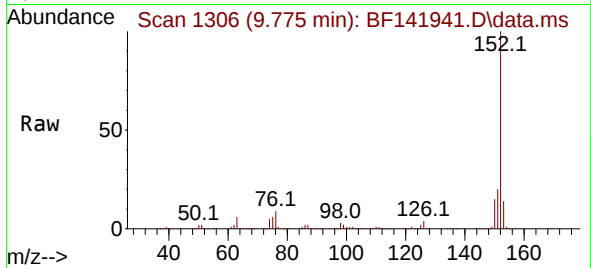
PB167097BS

Tgt Ion:152 Resp: 155348
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5
153 13.9 11.1 16.7

Manual Integrations

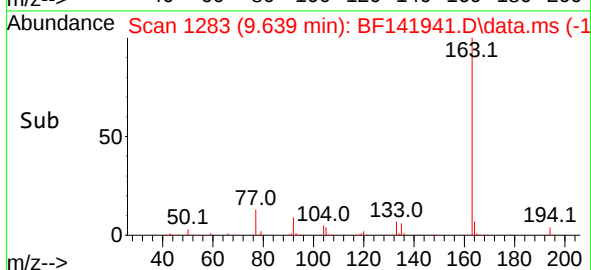
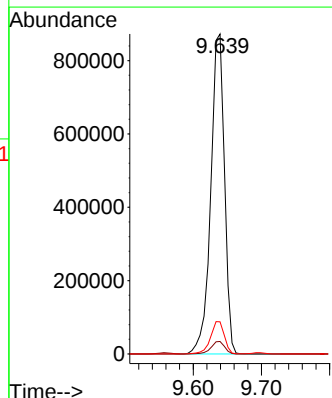
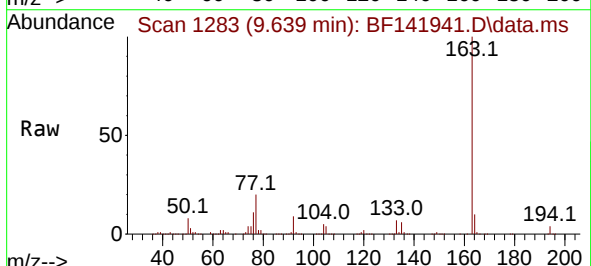
APPROVED

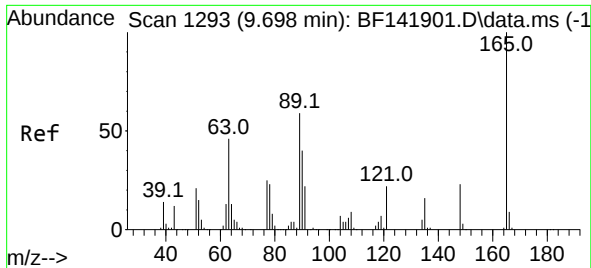
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#50
Dimethylphthalate
Concen: 45.891 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

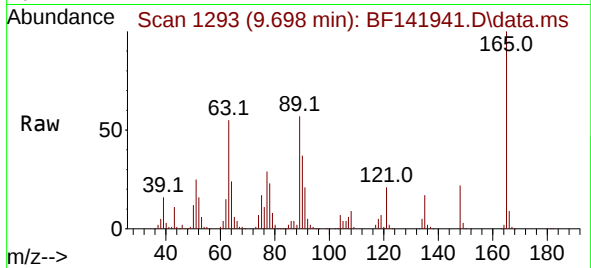
Tgt Ion:163 Resp: 1224816
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 46.717 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

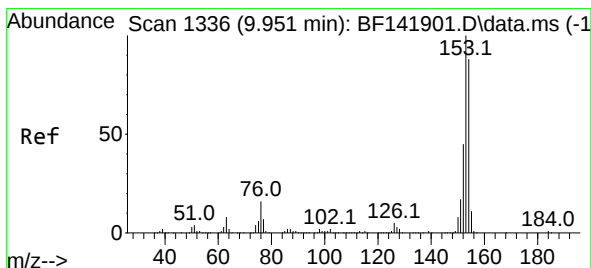
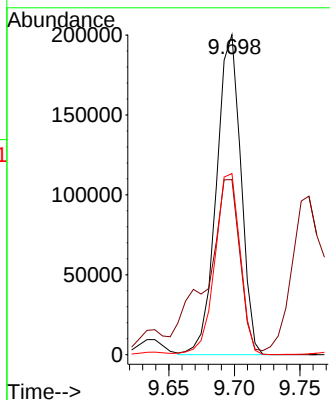
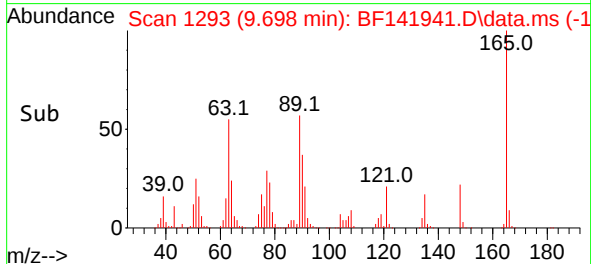
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:165 Resp: 259612
Ion Ratio Lower Upper
165 100
63 54.7 47.0 70.4
89 56.6 47.4 71.2

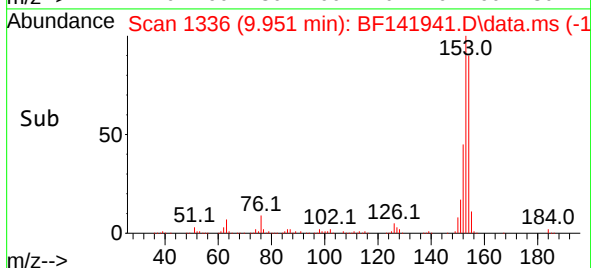
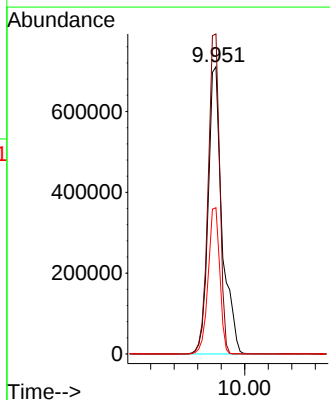
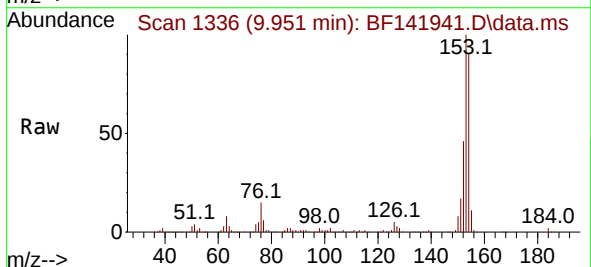
Manual Integrations
APPROVED

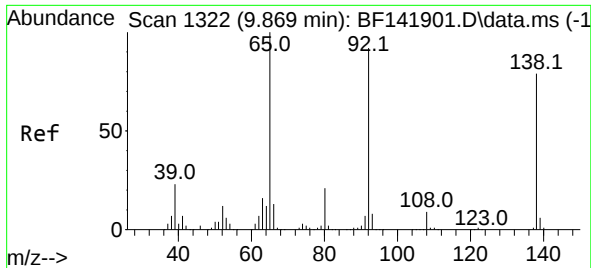
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#52
Acenaphthene
Concen: 51.989 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:154 Resp: 1170255
Ion Ratio Lower Upper
154 100
153 111.4 90.7 136.1
152 50.9 41.1 61.7





#53
3-Nitroaniline
Concen: 25.536 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

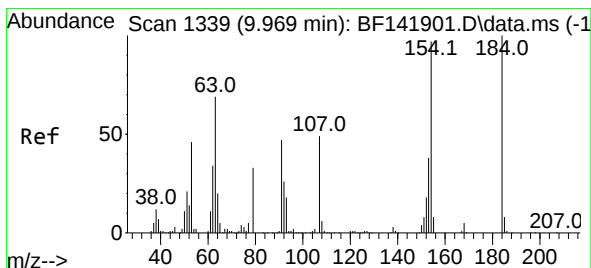
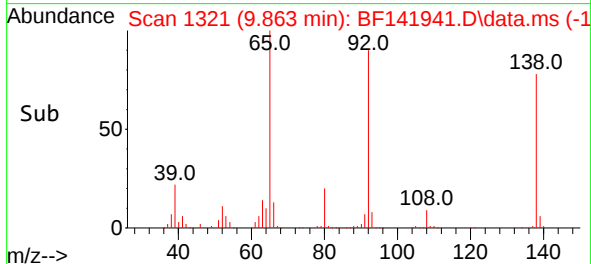
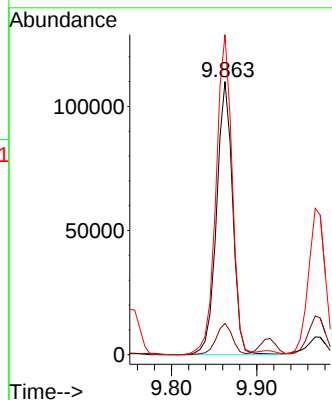
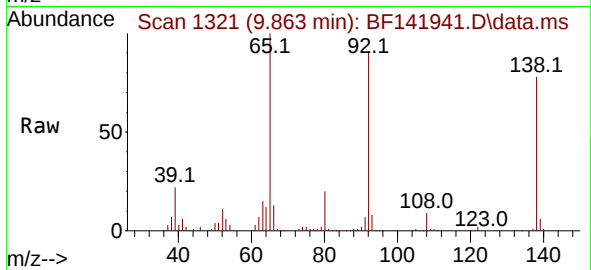
ClientSampleId :

PB167097BS

Tgt Ion:138 Resp: 14394
Ion Ratio Lower Upper
138 100
108 11.4 9.3 13.9
92 117.2 93.5 140.3

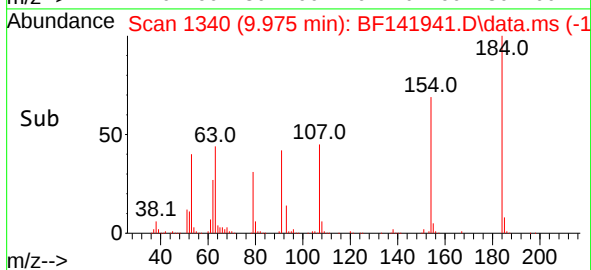
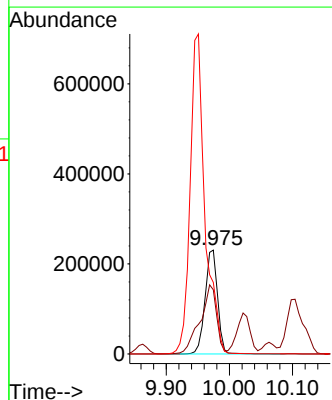
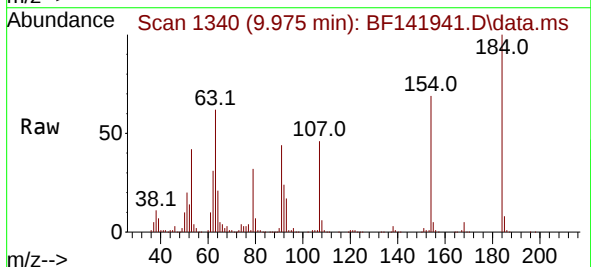
Manual Integrations
APPROVED

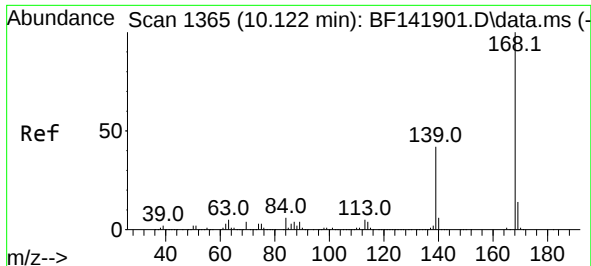
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#54
2,4-Dinitrophenol
Concen: 99.219 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

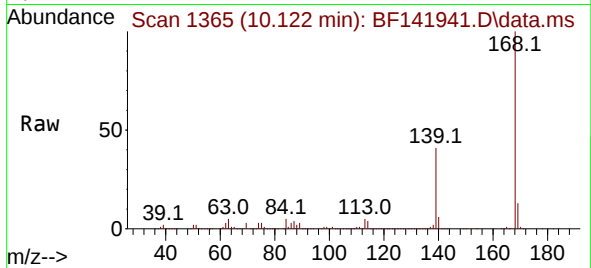
Tgt Ion:184 Resp: 318705
Ion Ratio Lower Upper
184 100
63 61.8 60.2 90.4
154 68.9 132.9 199.3#





#55
Dibenzenofuran
Concen: 44.061 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

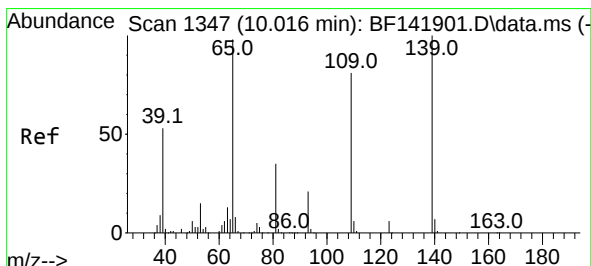
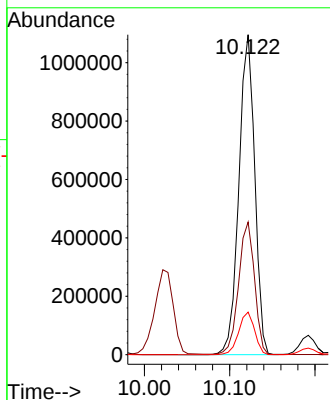
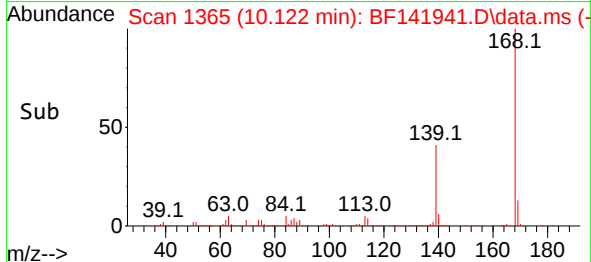
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:168 Resp: 1417170
Ion Ratio Lower Upper
168 100
139 41.5 33.9 50.9
169 13.3 11.0 16.4

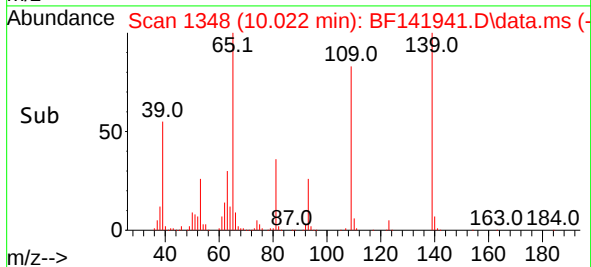
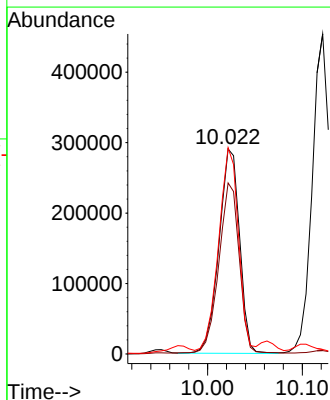
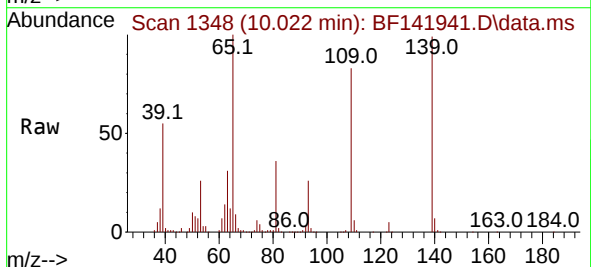
Manual Integrations
APPROVED

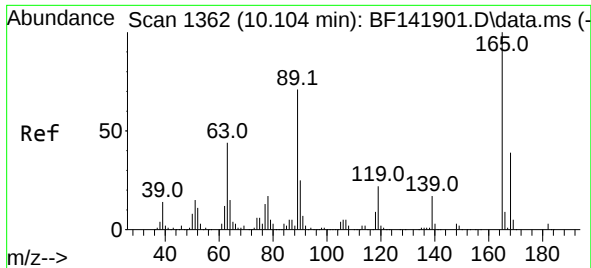
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#56
4-Nitrophenol
Concen: 103.387 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:139 Resp: 439494
Ion Ratio Lower Upper
139 100
109 83.4 61.6 101.6
65 100.7 79.4 119.4





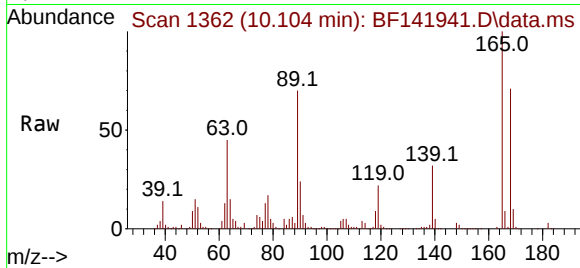
#57
2,4-Dinitrotoluene
Concen: 49.745 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

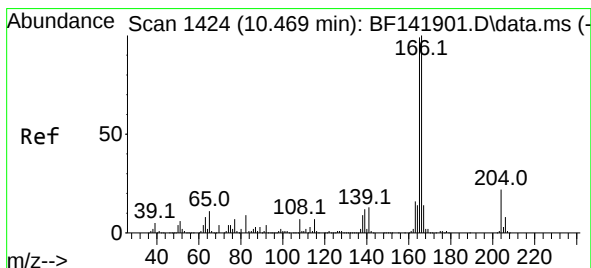
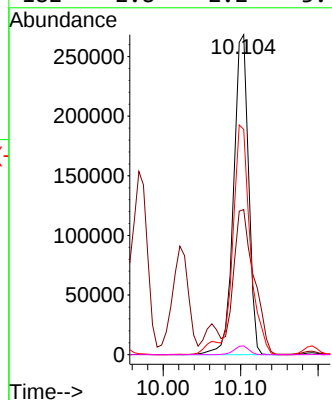
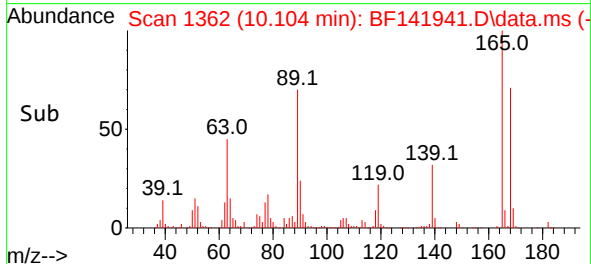


Tgt Ion:165 Resp: 361052
Ion Ratio Lower Upper
165 100
63 45.3 35.4 53.2
89 70.4 56.6 84.8
182 2.8 2.2 3.4

Manual Integrations

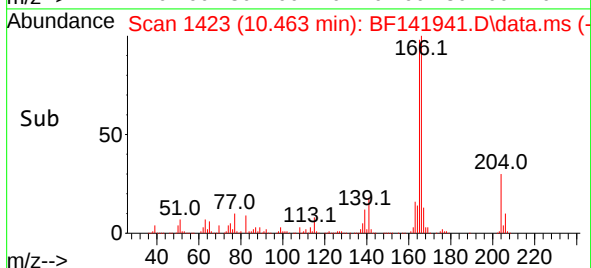
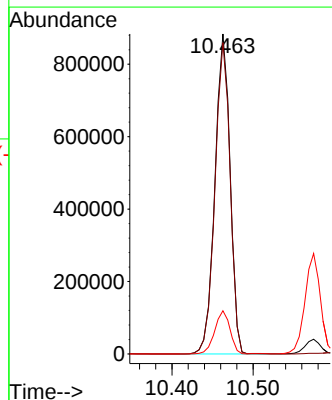
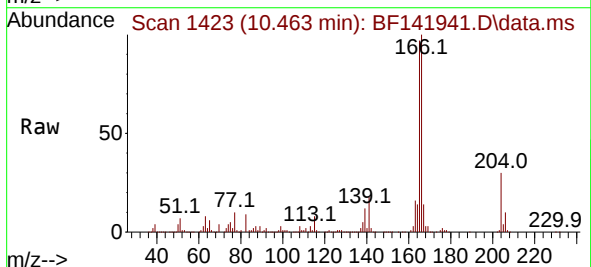
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#58
Fluorene
Concen: 46.273 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

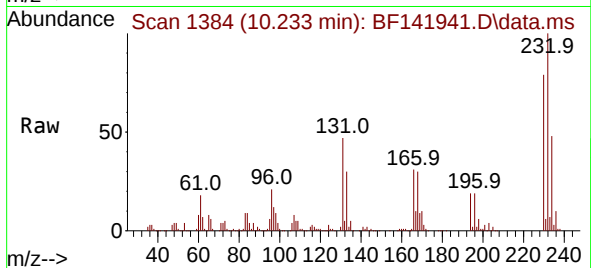
Tgt Ion:166 Resp: 1147740
Ion Ratio Lower Upper
166 100
165 97.3 79.0 118.4
167 13.5 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.303 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

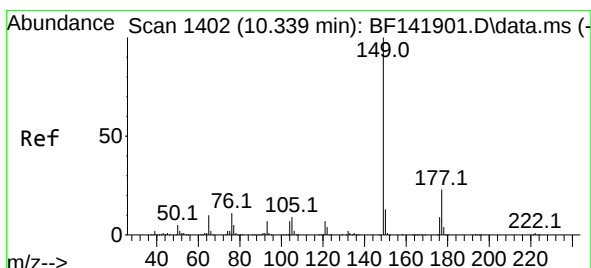
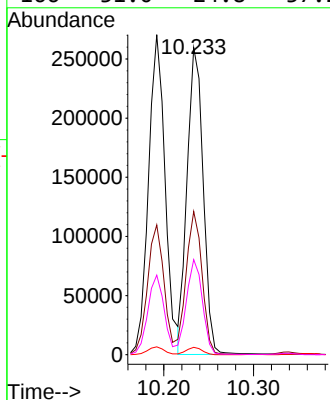
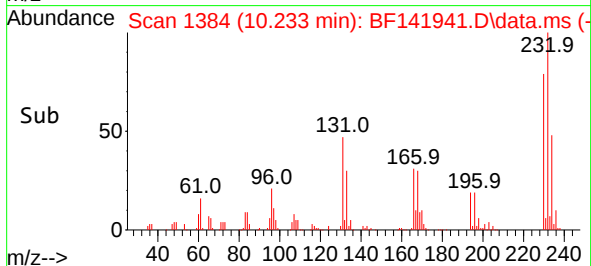
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:232 Resp: 32362
Ion Ratio Lower Upper
232 100
131 46.9 37.3 55.9
130 2.4 1.9 2.9
166 31.0 24.8 37.2

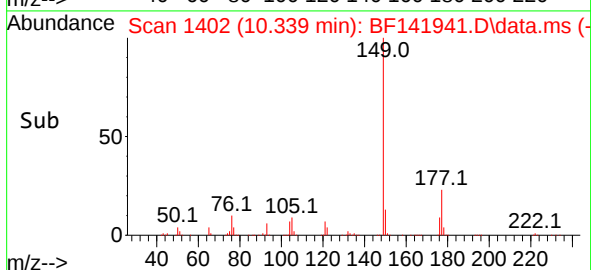
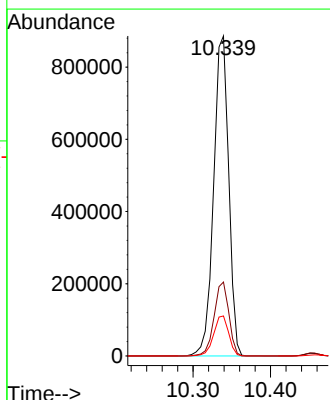
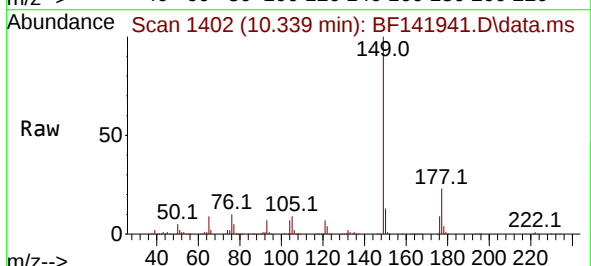
Manual Integrations
APPROVED

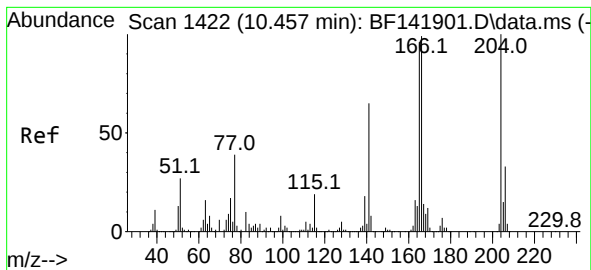
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#60
Diethylphthalate
Concen: 44.881 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

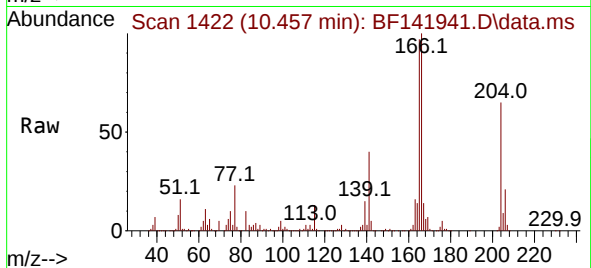
Tgt Ion:149 Resp: 1194423
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 12.5 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 46.224 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

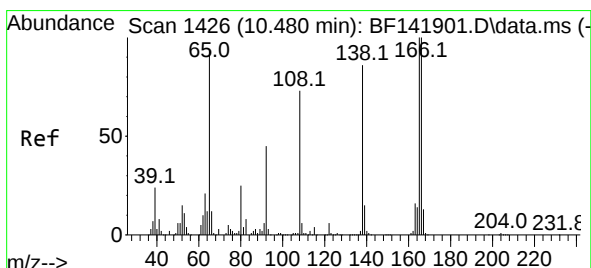
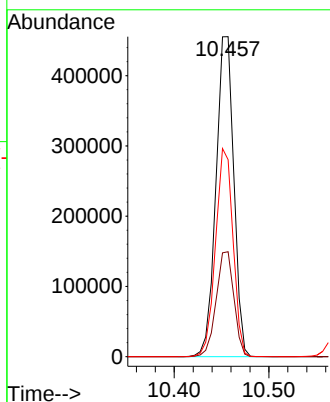
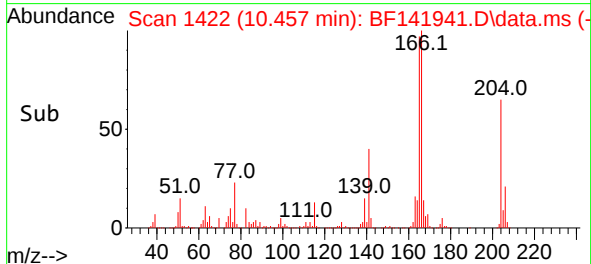
Instrument :
BNA_F
ClientSampleId :
PB167097BS



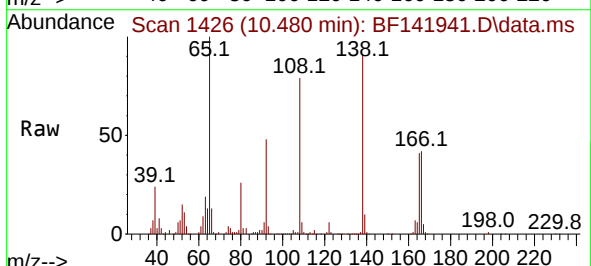
Tgt Ion:204 Resp: 597749
Ion Ratio Lower Upper
204 100
206 32.8 26.8 40.2
141 61.6 52.4 78.6

Manual Integrations
APPROVED

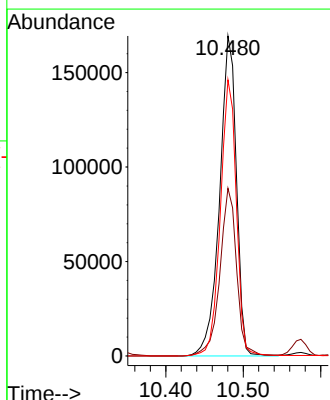
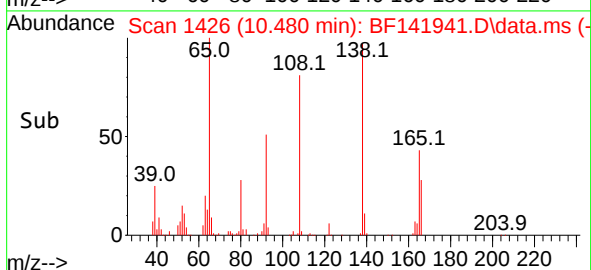
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

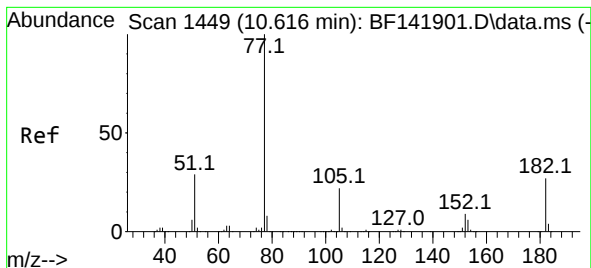


#62
4-Nitroaniline
Concen: 46.734 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:138 Resp: 256469
Ion Ratio Lower Upper
138 100
92 52.4 32.6 72.6
108 86.3 65.0 105.0





#63

Azobenzene

Concen: 43.803 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion: 77 Resp: 108380

Ion Ratio Lower Upper

77 100

182 28.3 6.6 46.6

105 22.2 1.3 41.3

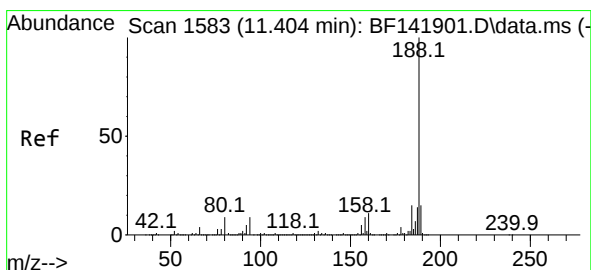
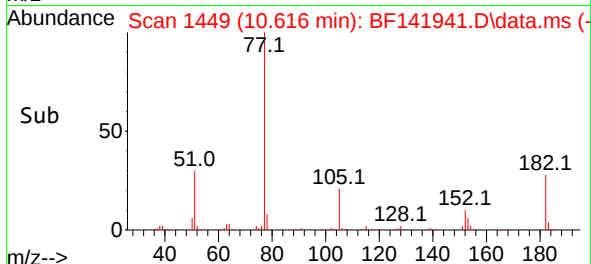
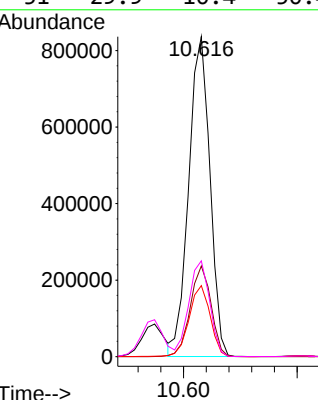
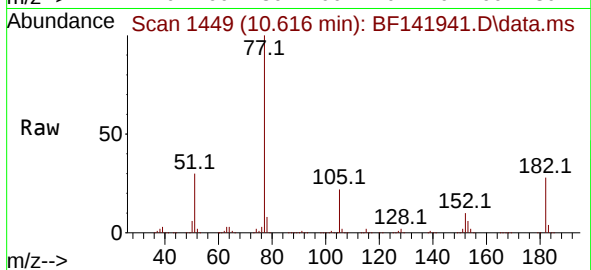
51 29.9 10.4 50.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

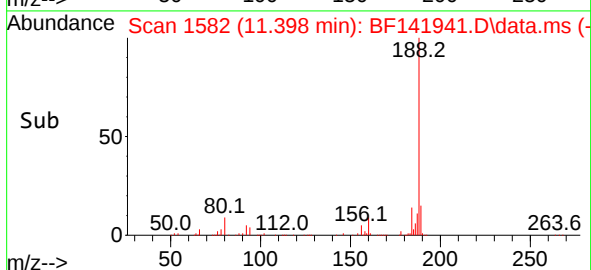
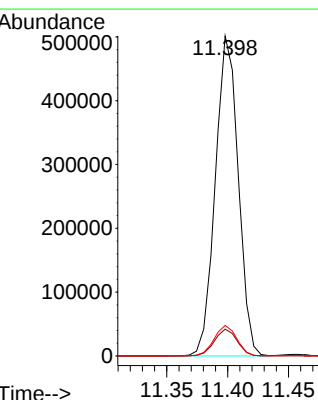
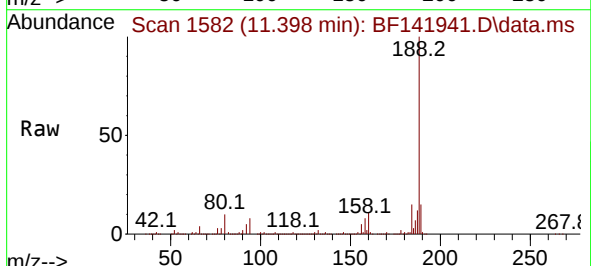
Tgt Ion:188 Resp: 657343

Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

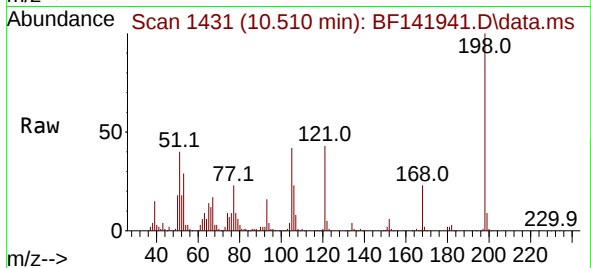
80 9.6 7.6 11.4





#65
4,6-Dinitro-2-methylphenol
Concen: 50.999 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

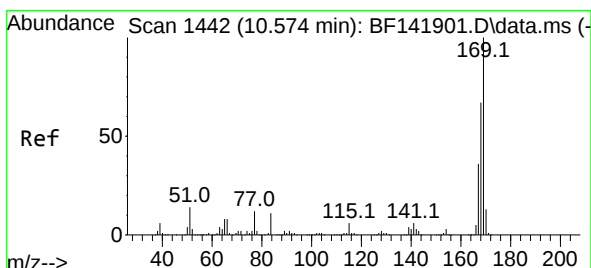
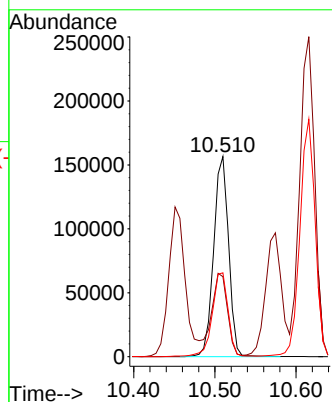
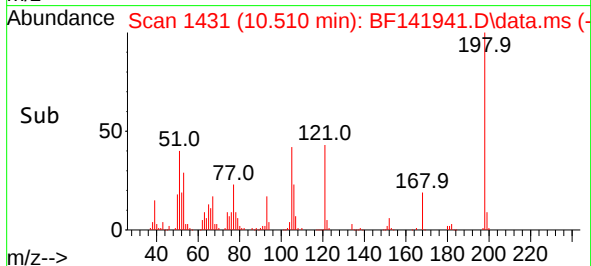
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:198 Resp: 19985
Ion Ratio Lower Upper
198 100
51 40.0 22.3 62.3
105 41.8 23.0 63.0

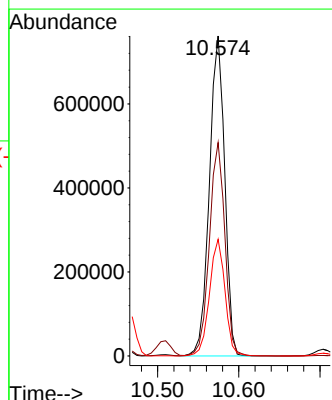
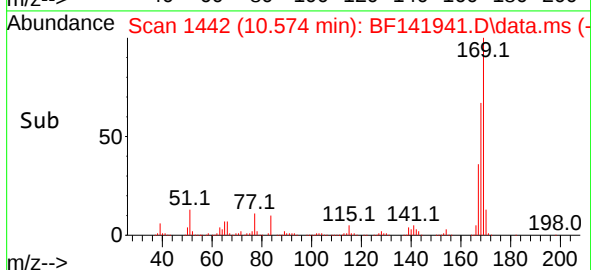
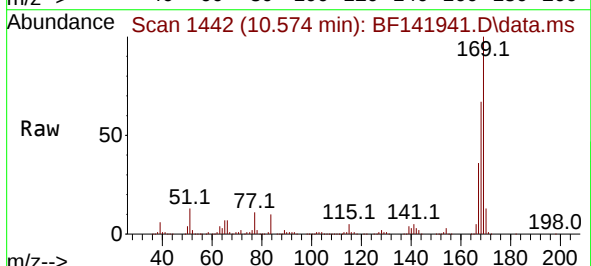
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#66
n-Nitrosodiphenylamine
Concen: 46.890 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

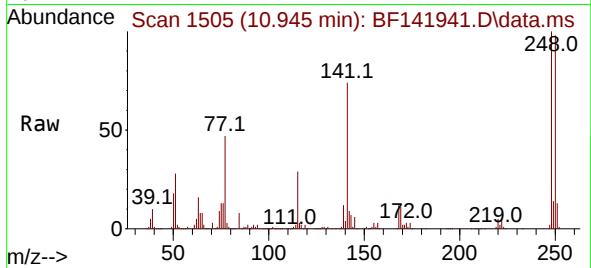
Tgt Ion:169 Resp: 997450
Ion Ratio Lower Upper
169 100
168 66.7 53.7 80.5
167 36.5 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 46.364 ng
RT: 10.945 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

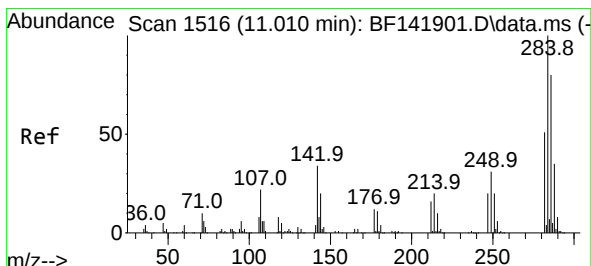
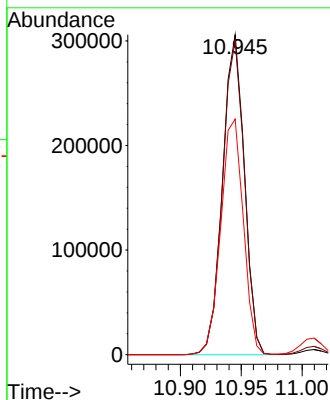
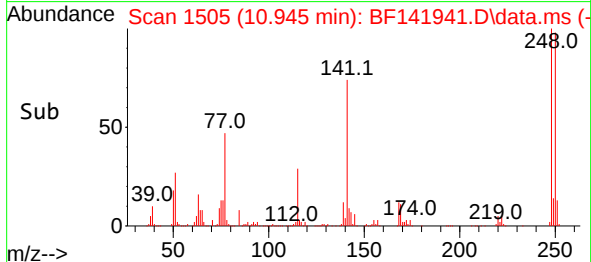
Instrument :
BNA_F
ClientSampleId :
PB167097BS



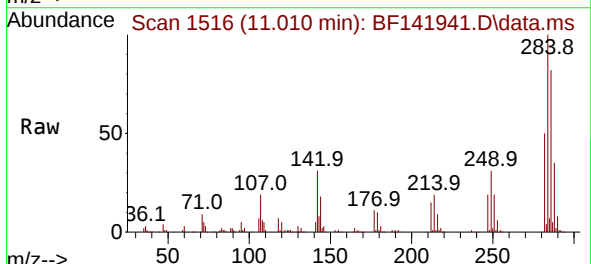
Tgt Ion:248 Resp: 382750
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.8
141 73.6 62.6 93.8

Manual Integrations
APPROVED

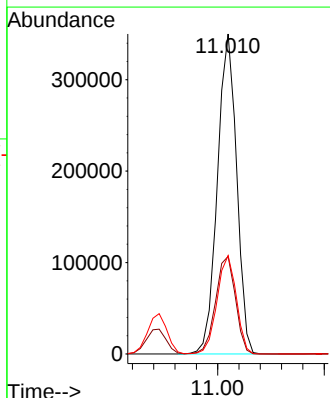
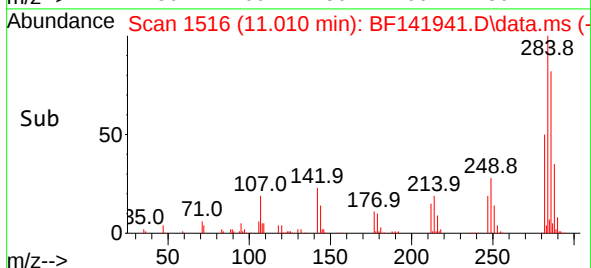
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

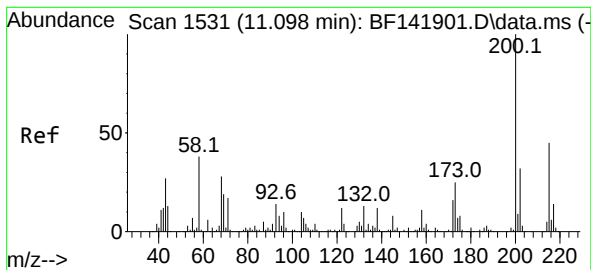


#68
Hexachlorobenzene
Concen: 48.335 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:284 Resp: 437639
Ion Ratio Lower Upper
284 100
142 30.5 27.0 40.6
249 30.7 25.2 37.8





#69

Atrazine

Concen: 61.650 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

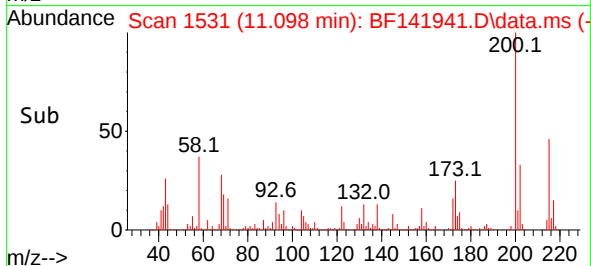
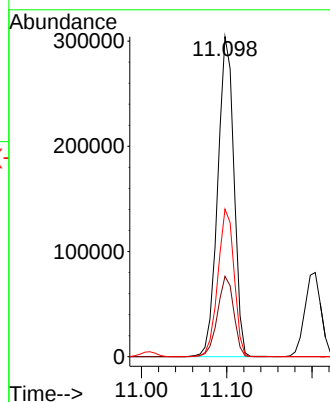
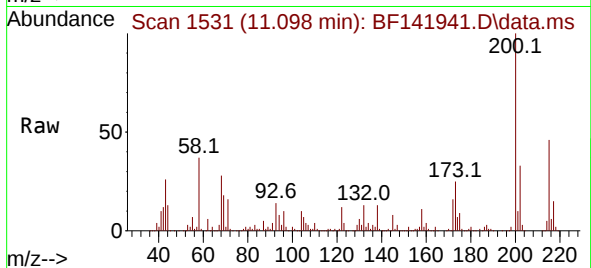
Tgt Ion:200 Resp: 402029
 Ion Ratio Lower Upper
 200 100
 173 25.1 4.7 44.7
 215 46.1 25.4 65.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#70

Pentachlorophenol

Concen: 99.911 ng

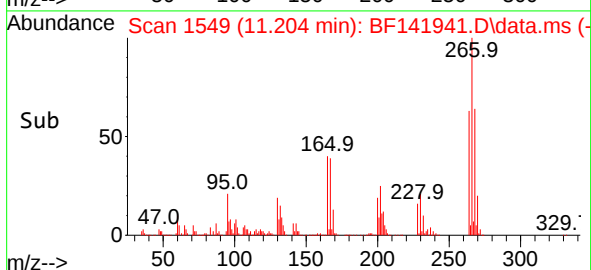
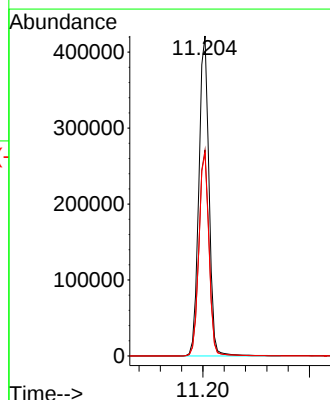
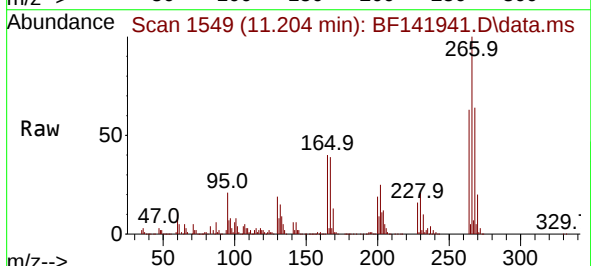
RT: 11.204 min Scan# 1549

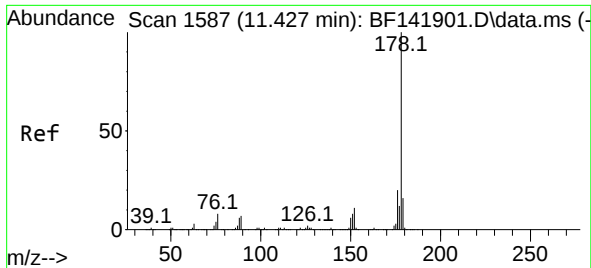
Delta R.T. 0.000 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

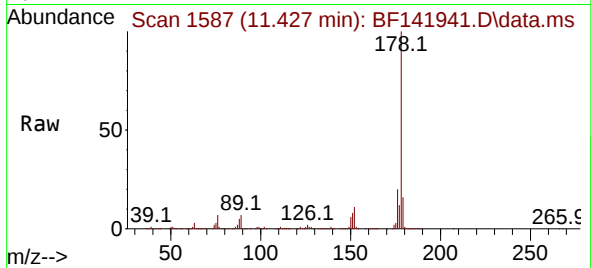
Tgt Ion:266 Resp: 557370
 Ion Ratio Lower Upper
 266 100
 268 64.3 51.0 76.6
 264 63.4 50.2 75.2





#71
Phenanthrene
Concen: 47.009 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

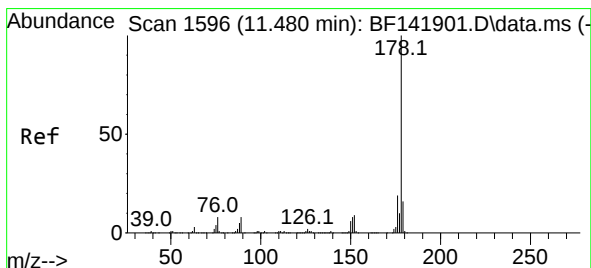
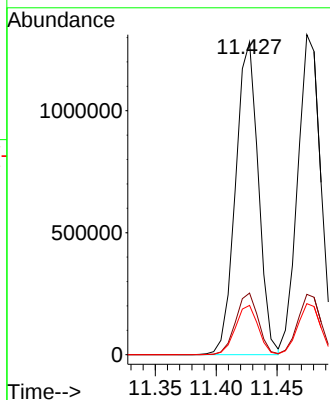
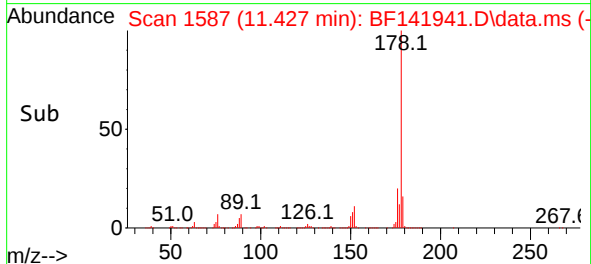
Instrument :
BNA_F
ClientSampleId :
PB167097BS



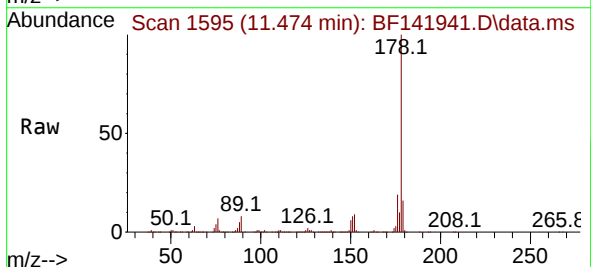
Tgt Ion:178 Resp: 1669056
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 15.8 12.6 19.0

Manual Integrations
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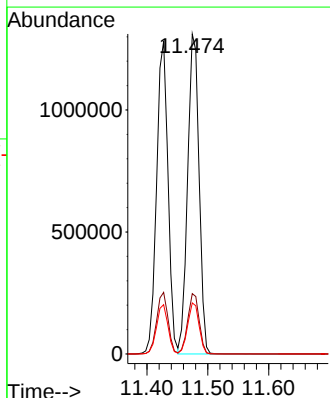
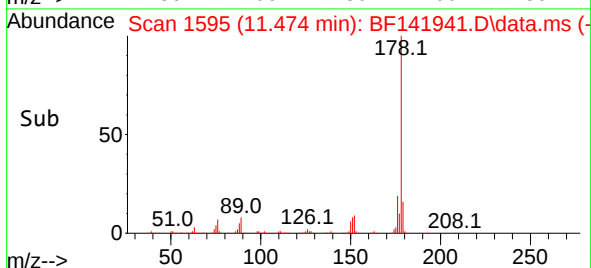
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

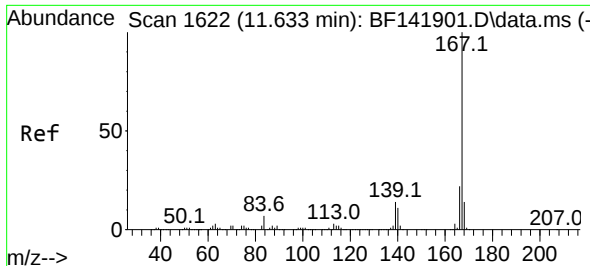


#72
Anthracene
Concen: 48.088 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



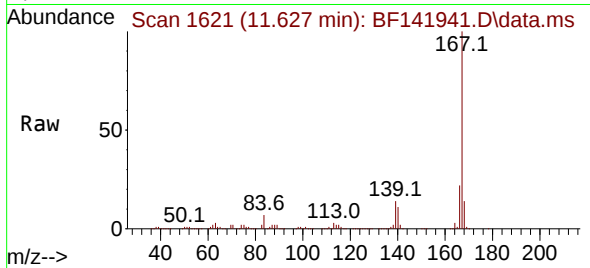
Tgt Ion:178 Resp: 1712956
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 16.0 12.6 19.0





#73
 Carbazole
 Concen: 46.870 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17

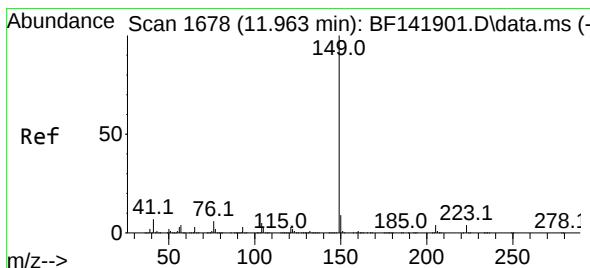
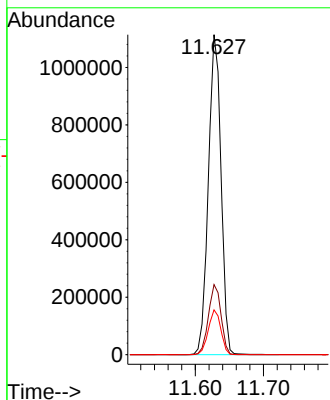
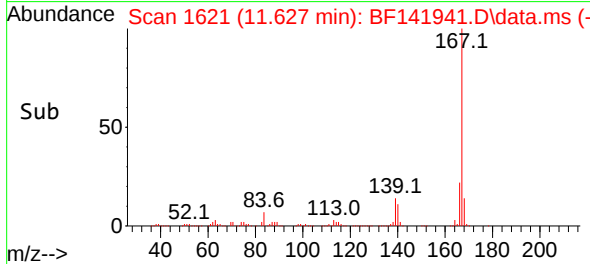
Instrument :
 BNA_F
 ClientSampleId :
 PB167097BS



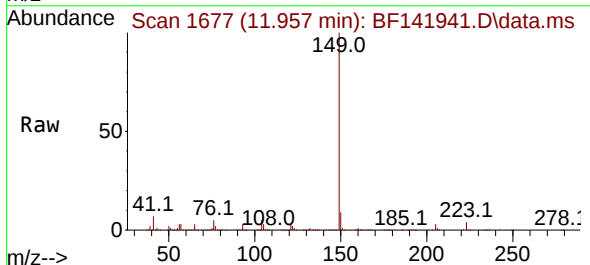
Tgt Ion:167 Resp: 1439850
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 14.0 11.0 16.6

Manual Integrations
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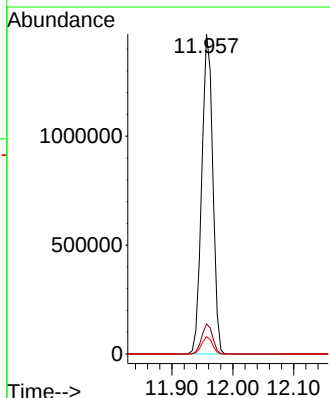
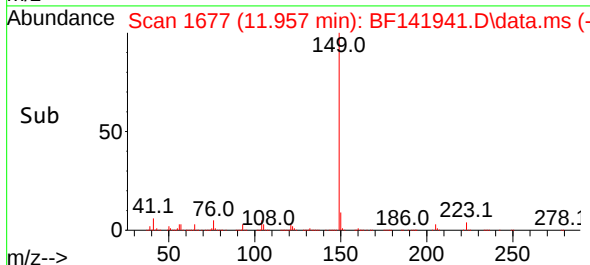
Reviewed By :Anahy Claudio 03/14/2025
 Supervised By :Jagrut Upadhyay 03/14/2025

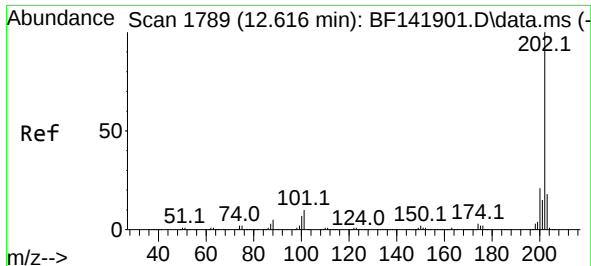


#74
 Di-n-butylphthalate
 Concen: 45.199 ng
 RT: 11.957 min Scan# 1677
 Delta R.T. -0.006 min
 Lab File: BF141941.D
 Acq: 13 Mar 2025 13:17



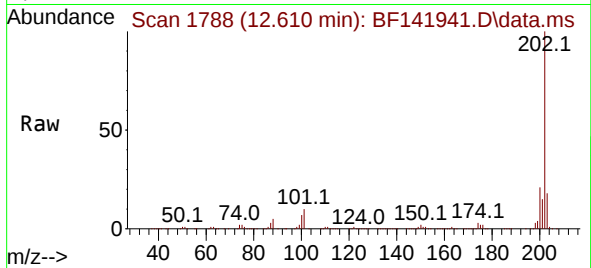
Tgt Ion:149 Resp: 1842392
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.6 11.4
 104 5.4 4.4 6.6





#75
Fluoranthene
Concen: 45.891 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

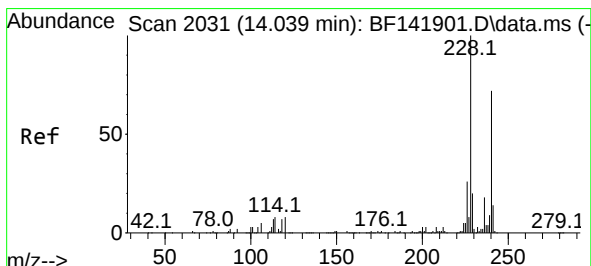
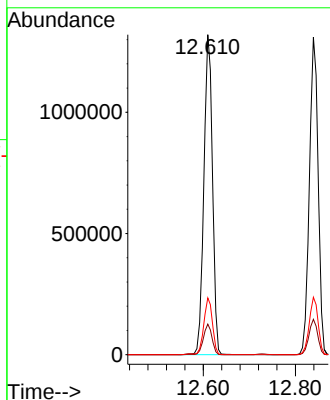
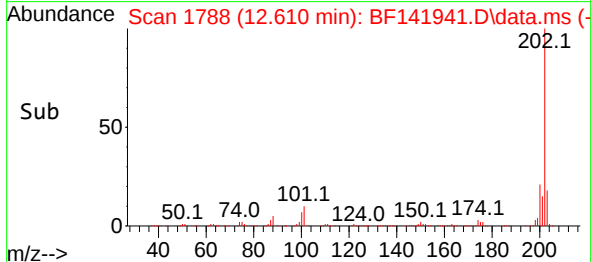
Instrument :
BNA_F
ClientSampleId :
PB167097BS



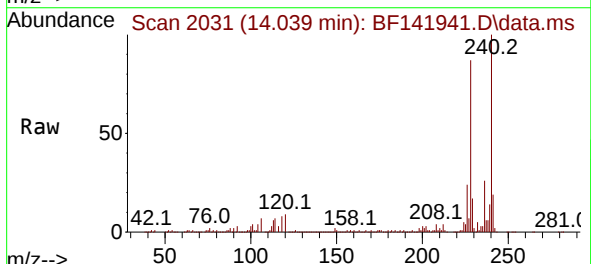
Tgt Ion:202 Resp: 172840
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.8 0.0 37.8

Manual Integrations
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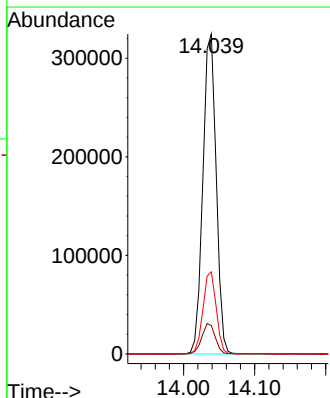
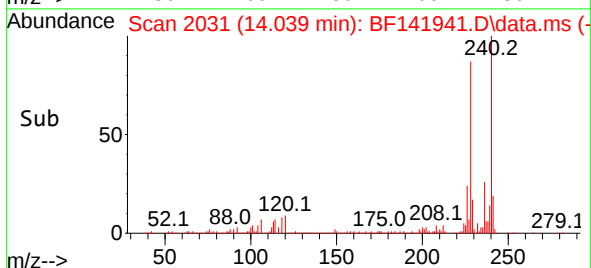
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

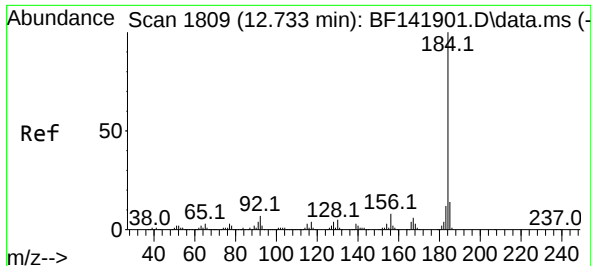


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



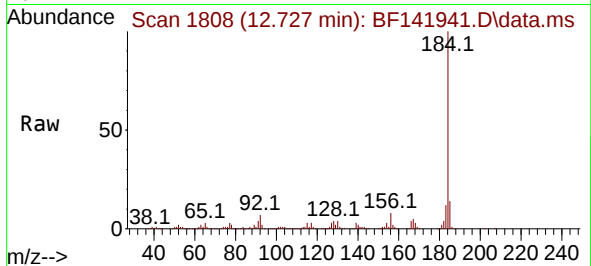
Tgt Ion:240 Resp: 424407
Ion Ratio Lower Upper
240 100
120 8.9 8.4 12.6
236 25.7 20.5 30.7





#77
Benzidine
Concen: 84.472 ng
RT: 12.727 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

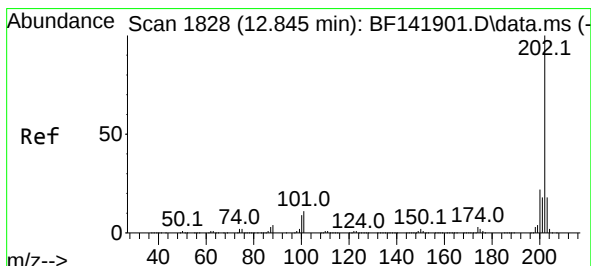
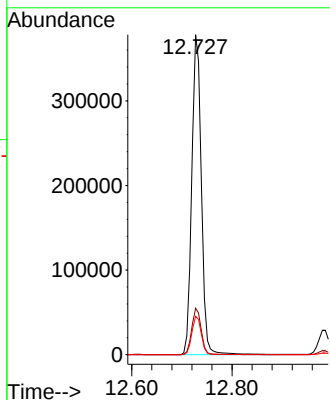
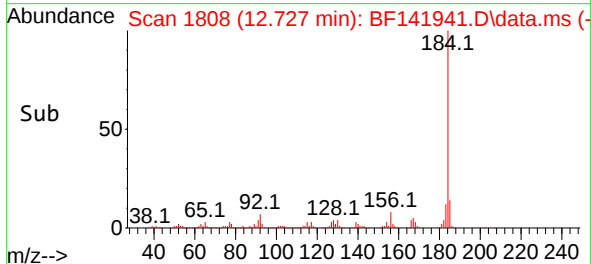
Instrument :
BNA_F
ClientSampleId :
PB167097BS



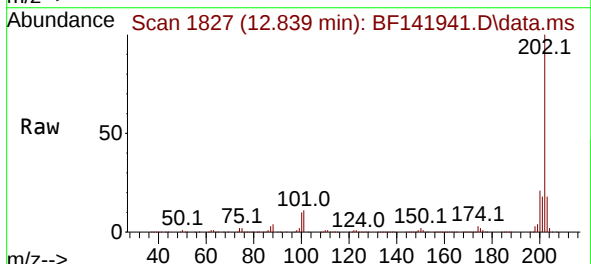
Tgt Ion:184 Resp: 500180
Ion Ratio Lower Upper
184 100
185 14.5 11.5 17.3
183 12.0 9.7 14.5

Manual Integrations
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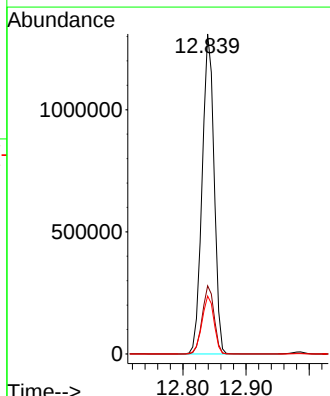
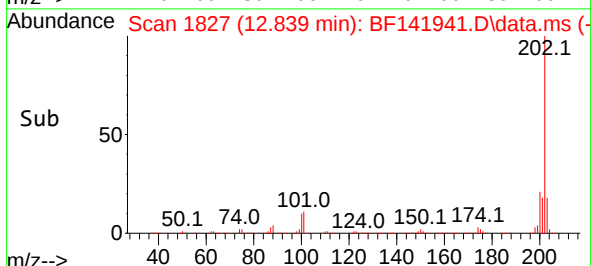
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

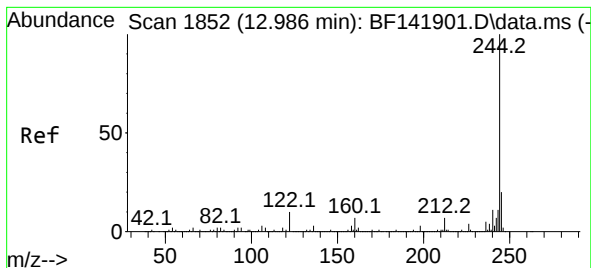


#78
Pyrene
Concen: 46.834 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



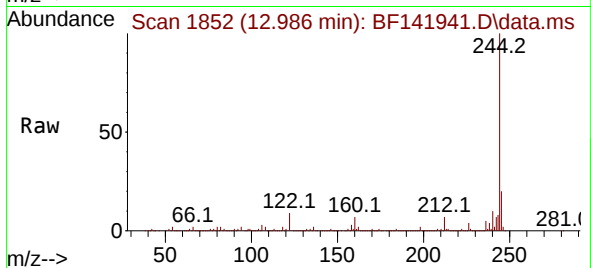
Tgt Ion:202 Resp: 1719348
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 18.1 14.4 21.6





#79
Terphenyl-d14
Concen: 105.142 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

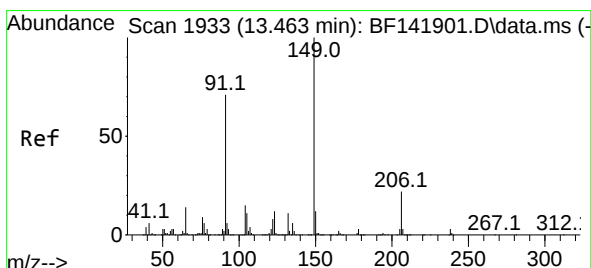
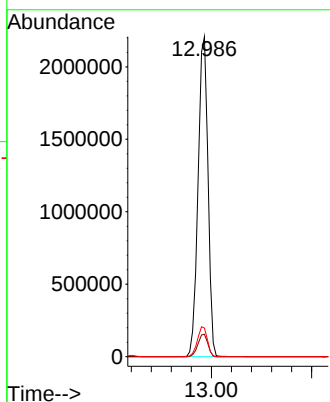
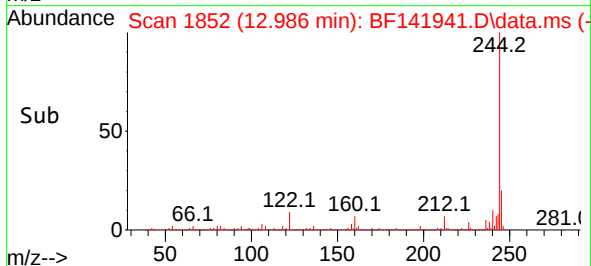
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:244 Resp: 3018229
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.9 7.7 11.5

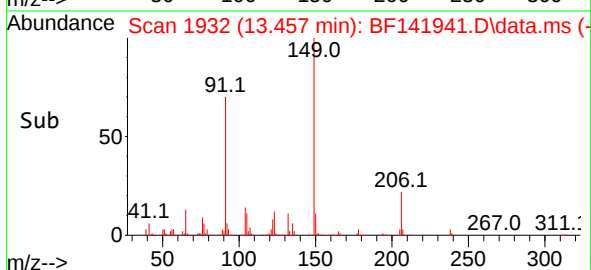
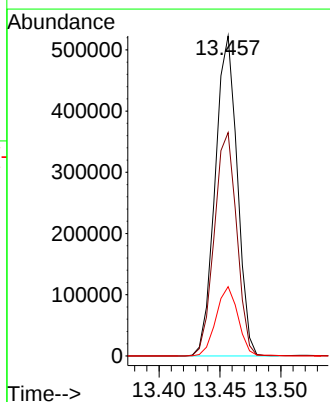
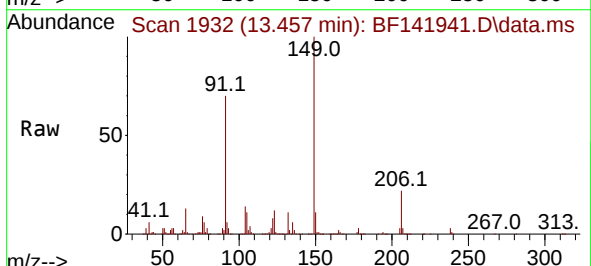
Manual Integrations
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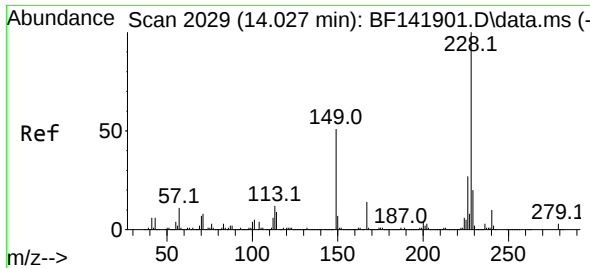
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#80
Butylbenzylphthalate
Concen: 45.971 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:149 Resp: 660564
Ion Ratio Lower Upper
149 100
91 69.8 56.5 84.7
206 21.7 17.3 25.9





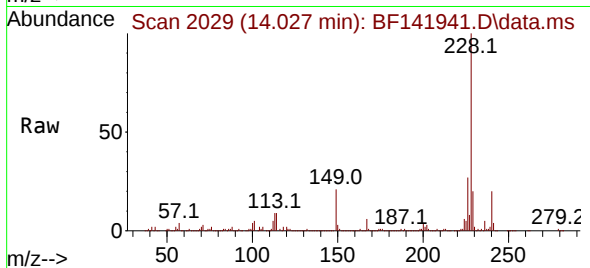
#81
Benzo(a)anthracene
Concen: 47.211 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

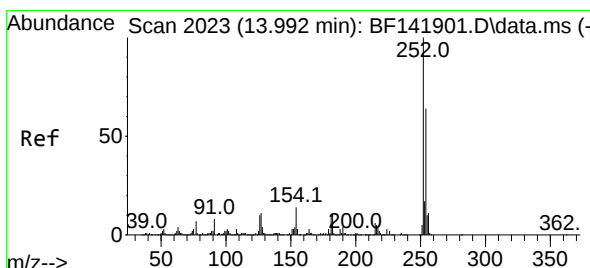
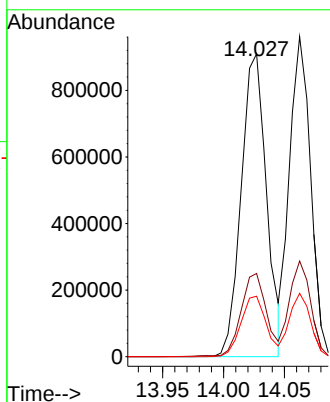
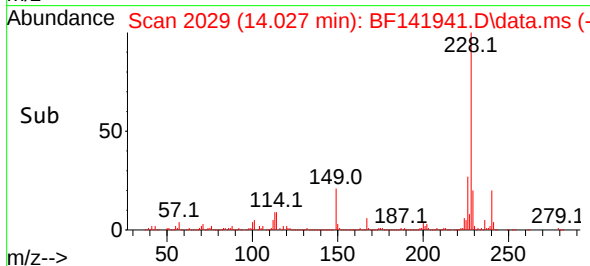


Tgt Ion:228 Resp: 1314815
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 20.0 16.0 24.0

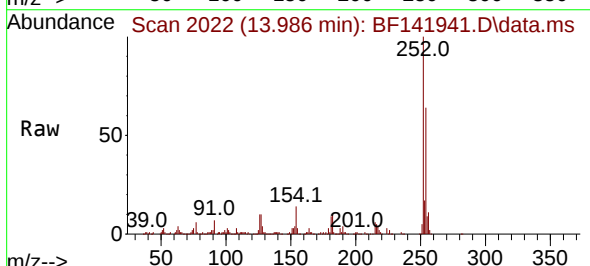
Manual Integrations

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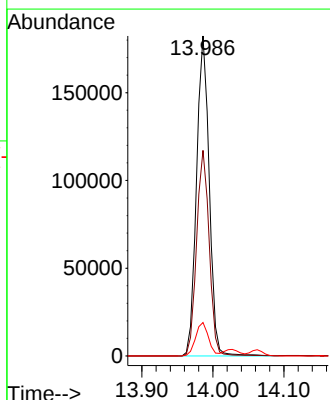
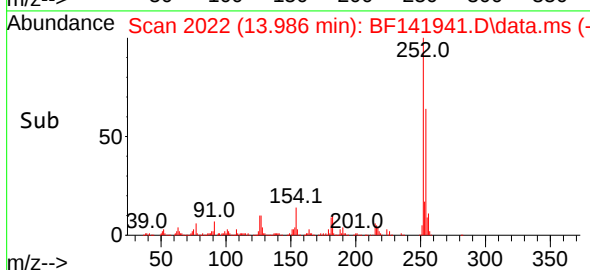
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#82
3,3'-Dichlorobenzidine
Concen: 28.215 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:252 Resp: 227079
Ion Ratio Lower Upper
252 100
254 64.2 51.0 76.6
126 10.4 8.4 12.6





#83

Chrysene

Concen: 46.252 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

Tgt Ion:228 Resp: 1167619

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

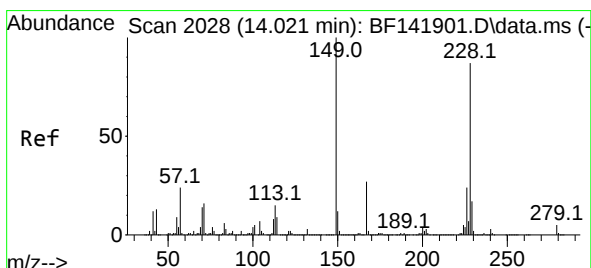
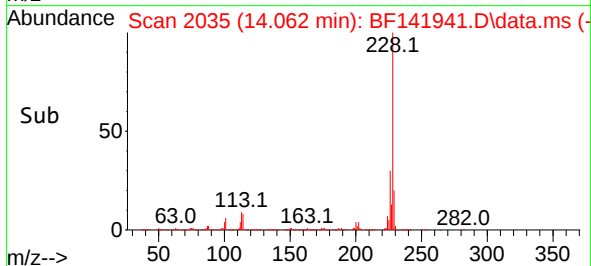
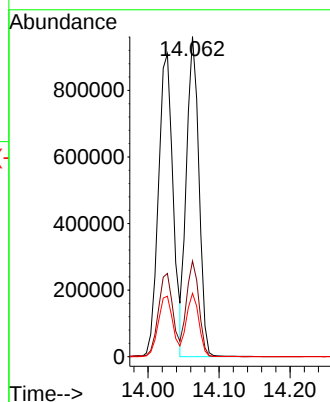
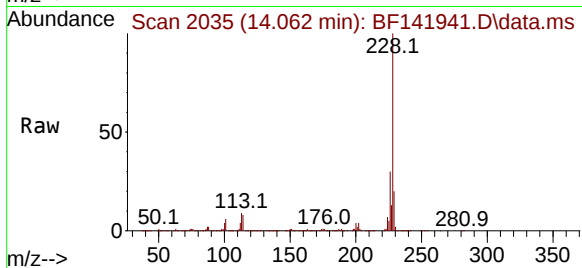
229 19.8 15.7 23.5

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.545 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

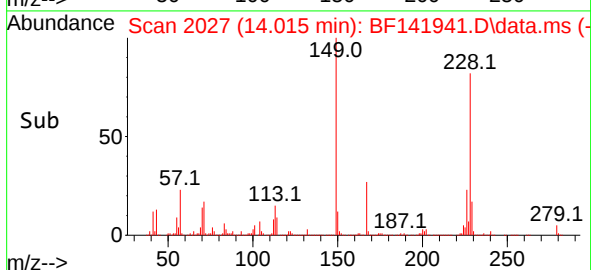
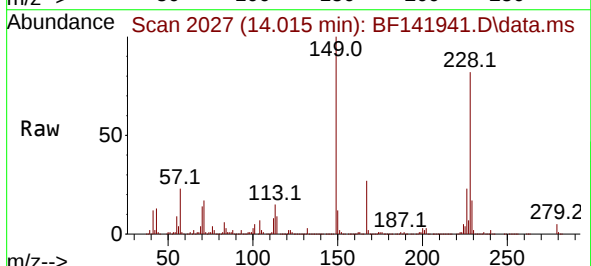
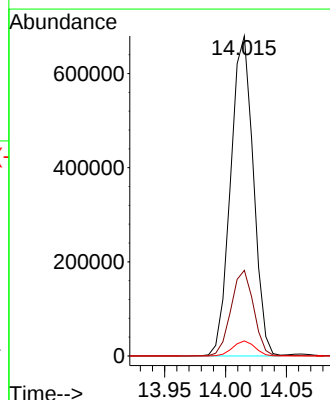
Tgt Ion:149 Resp: 882521

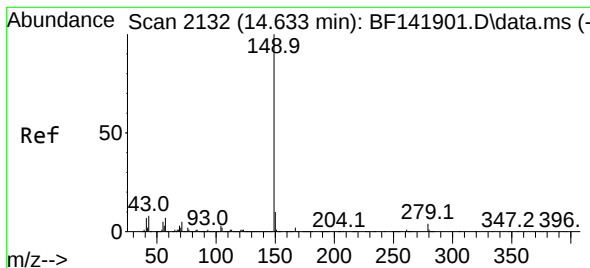
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.0

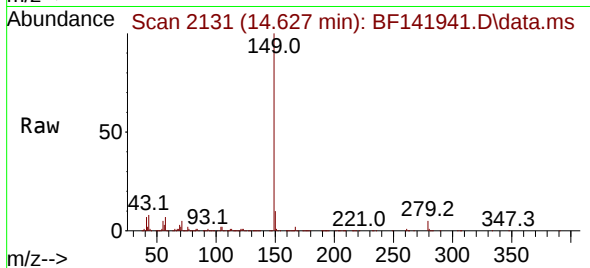
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 45.138 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

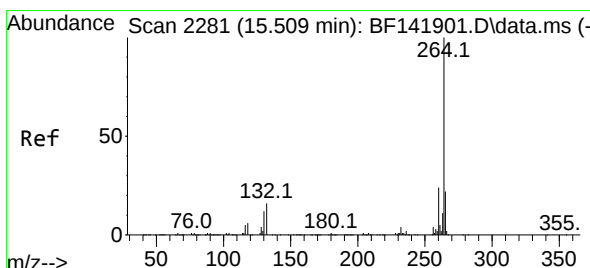
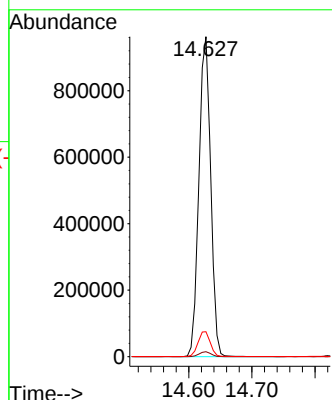
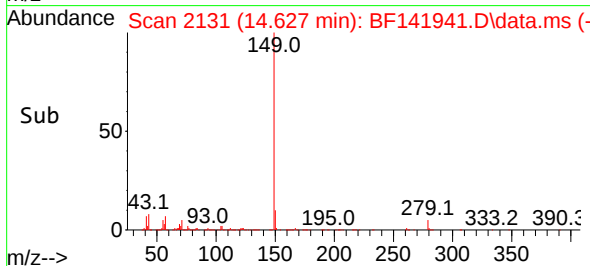
Instrument :
BNA_F
ClientSampleId :
PB167097BS



Tgt Ion:149 Resp: 124428
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.1 6.9 10.3

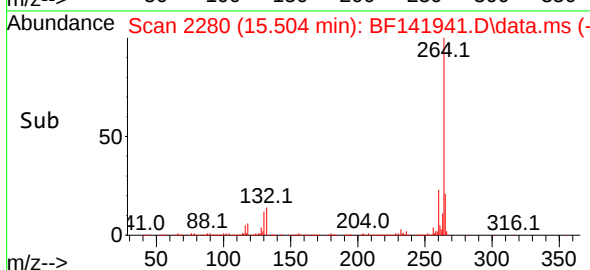
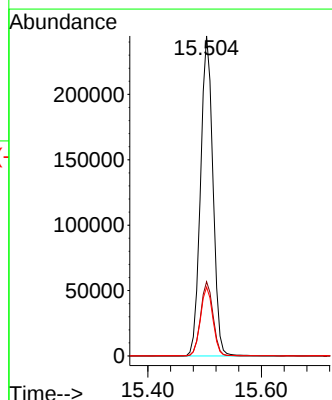
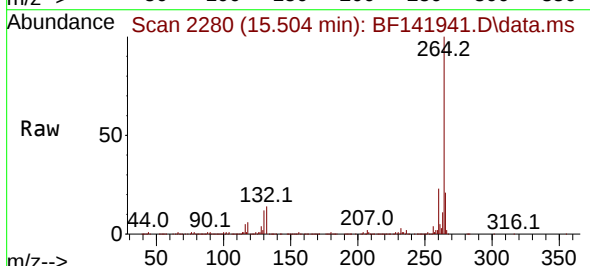
Manual Integrations
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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:264 Resp: 370791
Ion Ratio Lower Upper
264 100
260 23.2 19.1 28.7
265 21.5 17.5 26.3





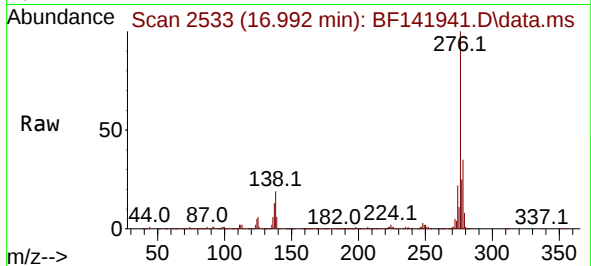
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.214 ng
RT: 16.992 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS

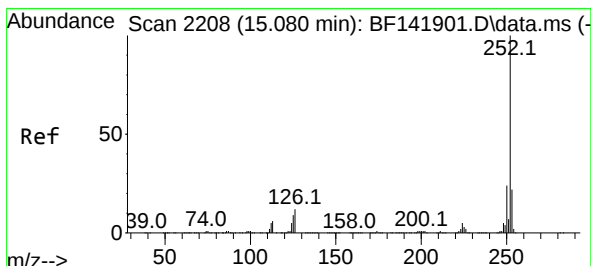
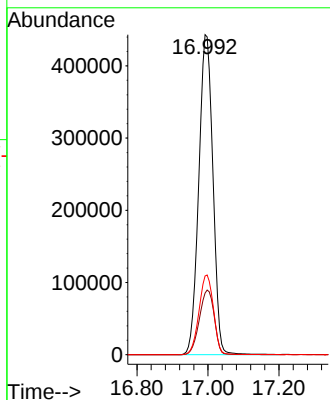
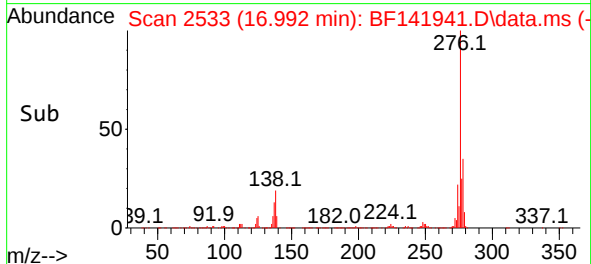


Tgt Ion:276 Resp: 122841
Ion Ratio Lower Upper
276 100
138 21.2 18.4 27.6
277 25.5 20.3 30.5

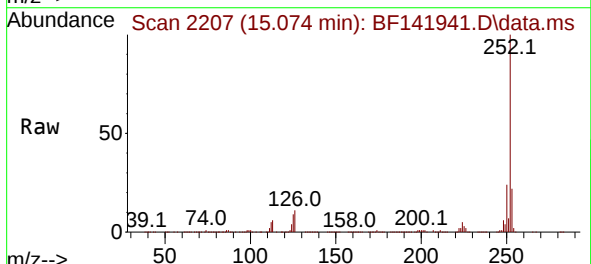
Manual Integrations

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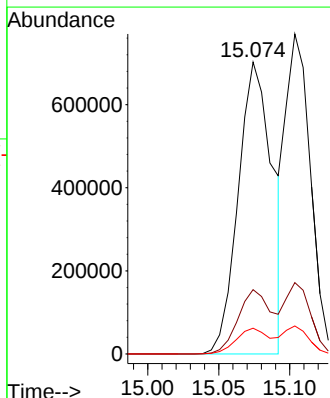
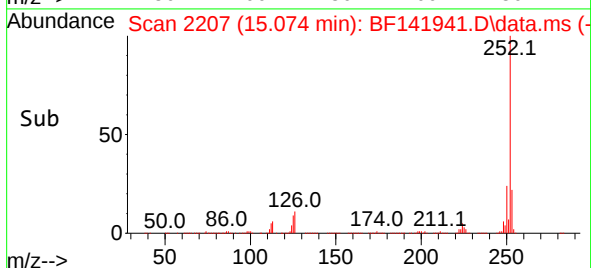
Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025

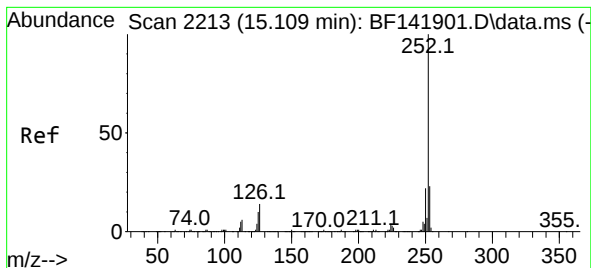


#88
Benzo(b)fluoranthene
Concen: 46.317 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17



Tgt Ion:252 Resp: 1177030
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 8.8 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 43.336 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141941.D

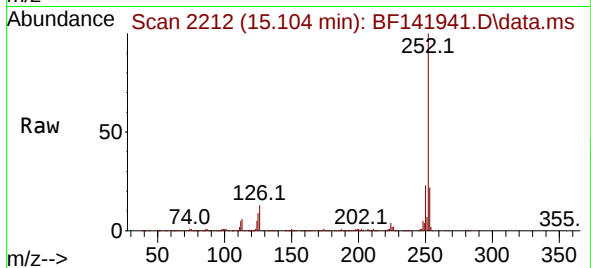
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

PB167097BS



Tgt Ion:252 Resp: 94244

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

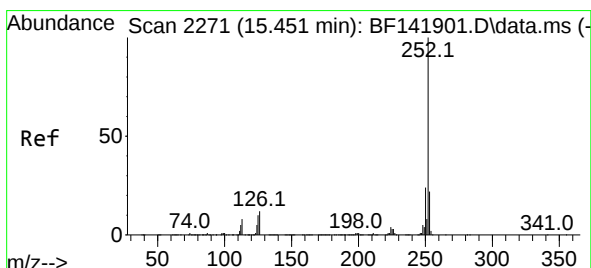
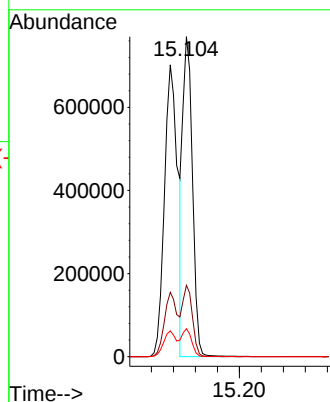
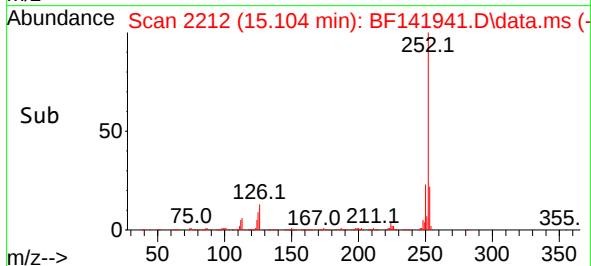
125 8.8 7.2 10.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025

Supervised By :Jagrut Upadhyay 03/14/2025



#90

Benzo(a)pyrene

Concen: 50.093 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141941.D

Acq: 13 Mar 2025 13:17

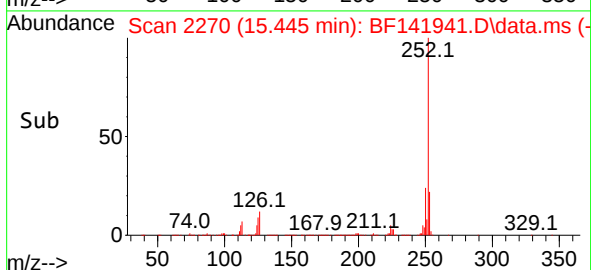
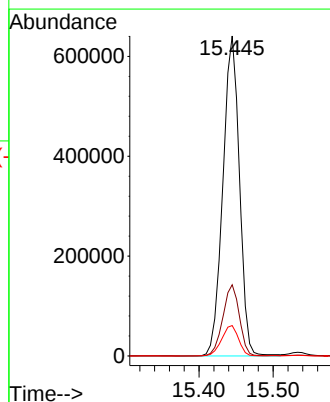
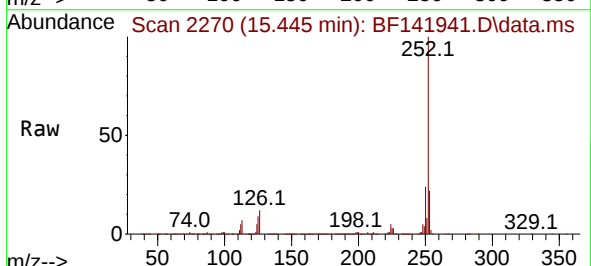
Tgt Ion:252 Resp: 996055

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 9.5 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 50.797 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Instrument :

BNA_F

ClientSampleId :

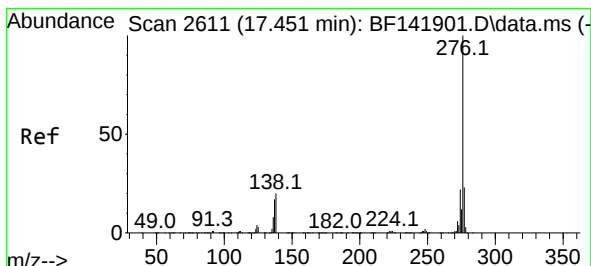
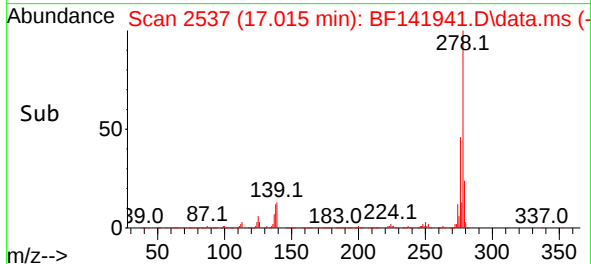
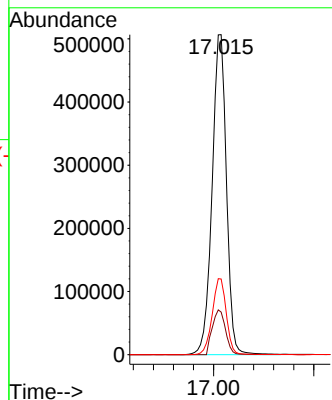
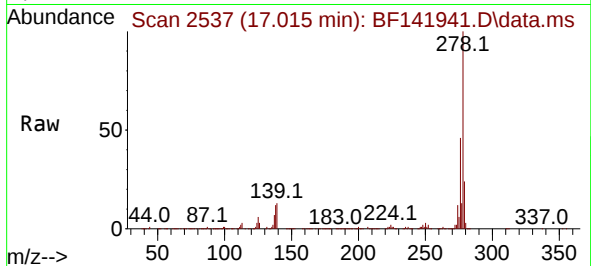
PB167097BS

Tgt Ion:278 Resp: 1005280
Ion Ratio Lower Upper
278 100
139 13.3 11.4 17.2
279 23.6 18.8 28.2

Manual Integrations

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Reviewed By :Anahy Claudio 03/14/2025
Supervised By :Jagrut Upadhyay 03/14/2025



#92
Benzo(g,h,i)perylene
Concen: 47.965 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141941.D
Acq: 13 Mar 2025 13:17

Tgt Ion:276 Resp: 938047
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 18.4 15.8 23.8

