

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042225\
 Data File : BF142214.D
 Acq On : 22 Apr 2025 16:21
 Operator : RC/JU
 Sample : Q1833-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 22 16:58:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 22 02:14:30 2025
 Response via : Initial Calibration

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

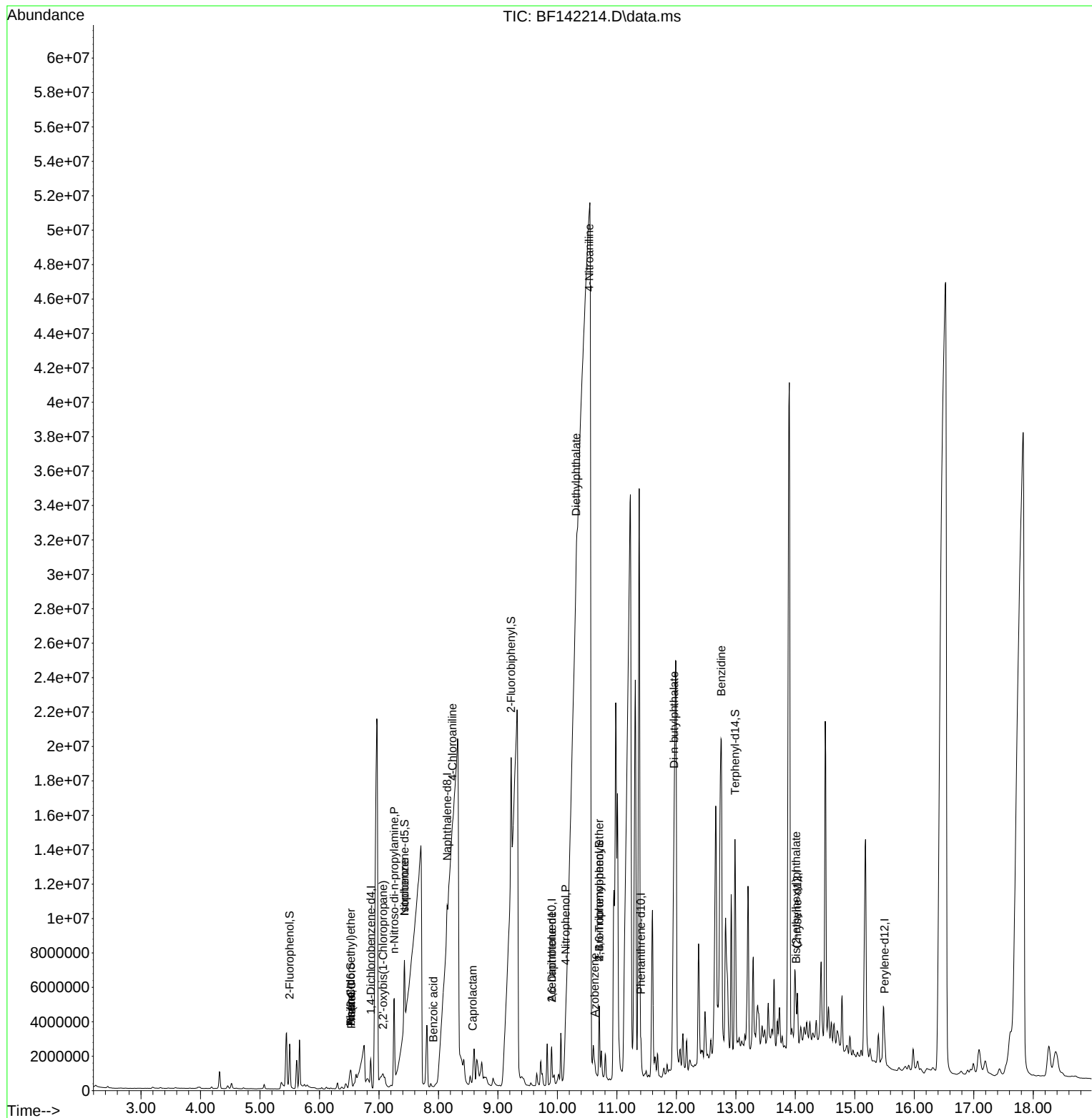
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	345068	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	1084325	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	603030	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	1064759	20.000	ng	0.02
76) Chrysene-d12	14.033	240	1125179	20.000	ng	0.00
86) Perylene-d12	15.504	264	823852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1138361	61.850	ng	0.02
7) Phenol-d6	6.522	99	1017953	44.163	ng	0.03
23) Nitrobenzene-d5	7.428	82	1833703	106.205	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	865384	104.959	ng	0.01
45) 2-Fluorobiphenyl	9.222	172	3619144	97.822	ng	0.00
79) Terphenyl-d14	12.986	244	5011332	74.615	ng	0.01
Target Compounds						Qvalue
6) Aniline	6.528	93	102385	4.811	ng	# 51
10) Phenol	6.534	94	56369	2.319	ng	# 1
11) bis(2-Chloroethyl)ether	6.528	93	102385	5.584	ng	# 33
16) 2,2'-oxybis(1-Chloropr...	7.069	45	102619	5.775	ng	70
19) n-Nitroso-di-n-propyla...	7.257	70	646225	49.579	ng	# 67
25) Isophorone	7.428	82	1807559	62.368	ng	# 61
32) Benzoic acid	7.916	122	1647	7.005	ng	# 73
33) 4-Chloroaniline	8.234	127	155320	8.374	ng	# 36
35) Caprolactam	8.575	113	15828	3.732	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	84396	9.722	ng	# 52
56) 4-Nitrophenol	10.139	139	18597	3.057	ng	90
60) Diethylphthalate	10.316	149	117023	3.241	ng	95
62) 4-Nitroaniline	10.533	138	4978959	629.782	ng	# 22
63) Azobenzene	10.627	77	136176	4.332	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	51427	3.673	ng	# 1
74) Di-n-butylphthalate	11.963	149	99358	2.078	ng	# 91
77) Benzidine	12.757	184	9270030	638.429	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.015	149	189431	6.546	ng	# 87

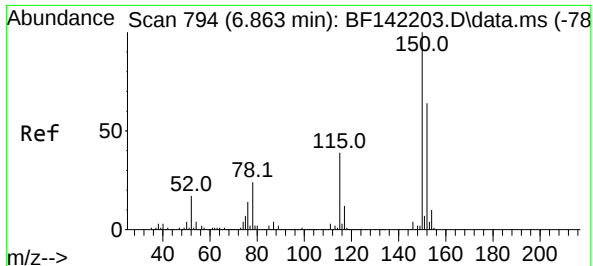
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042225\
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Instrument :
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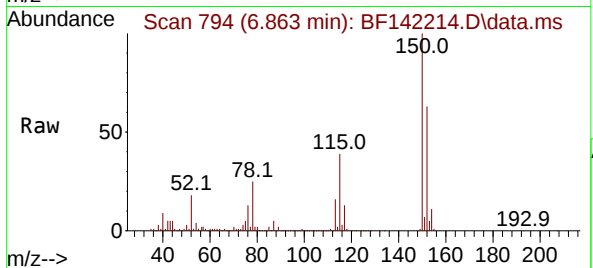
Quant Time: Apr 22 16:58:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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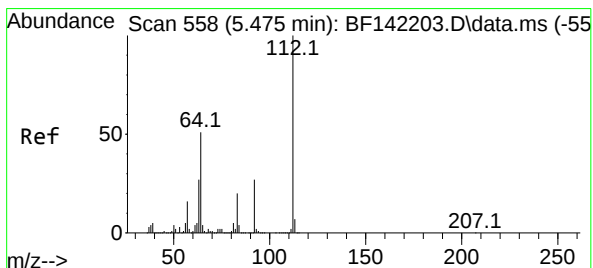
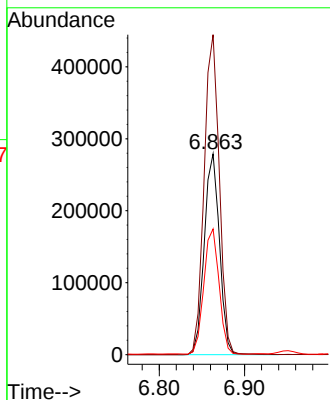
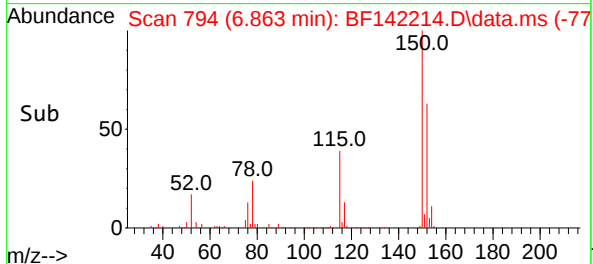


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Instrument :
BNA_F
ClientSampleId :

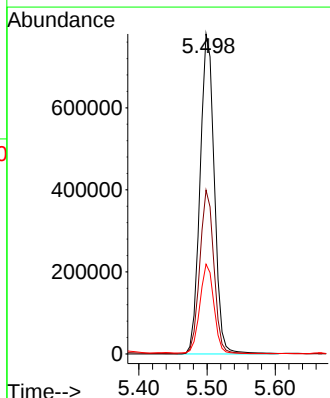
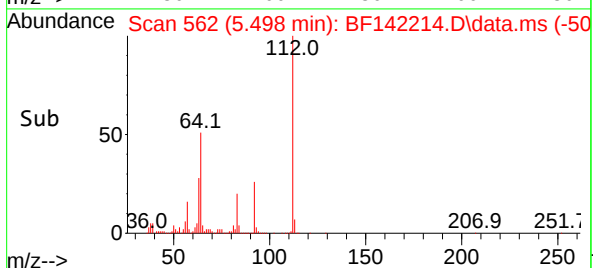
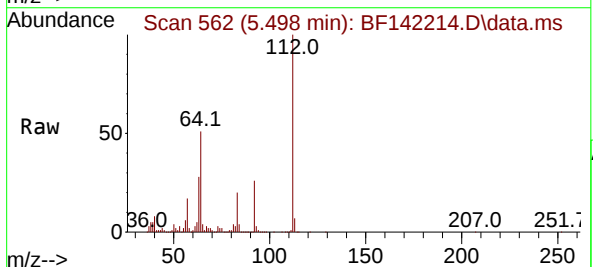


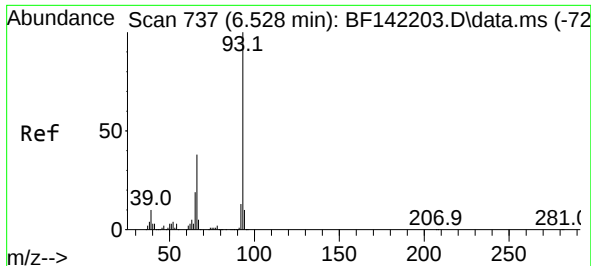
Tgt Ion:152 Resp: 345068
Ion Ratio Lower Upper
152 100
150 159.4 126.4 189.6
115 62.6 49.4 74.2



#5
2-Fluorophenol
Concen: 61.850 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.023 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion:112 Resp: 1138361
Ion Ratio Lower Upper
112 100
64 51.2 40.9 61.3
63 28.1 22.0 33.0

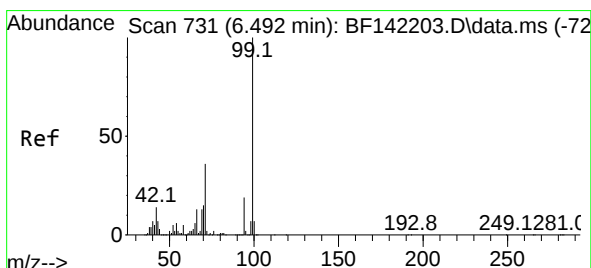
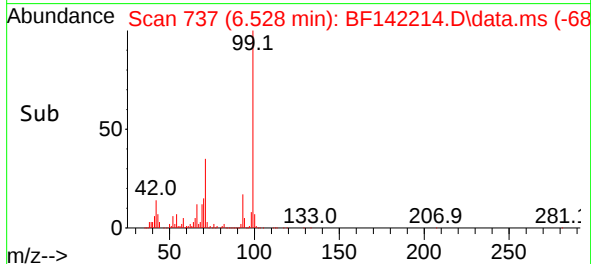
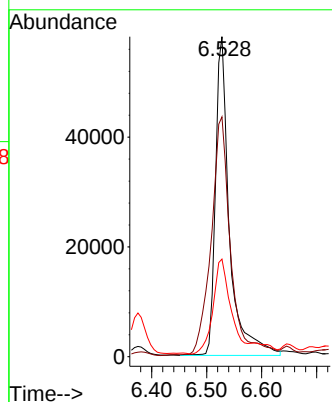
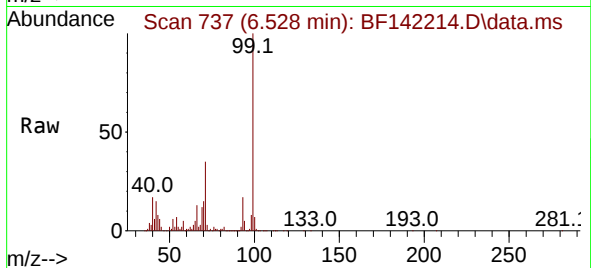




#6
 Aniline
 Concen: 4.811 ng
 RT: 6.528 min Scan# 714
 Delta R.T. -0.000 min
 Lab File: BF142214.D
 Acq: 22 Apr 2025 16:21

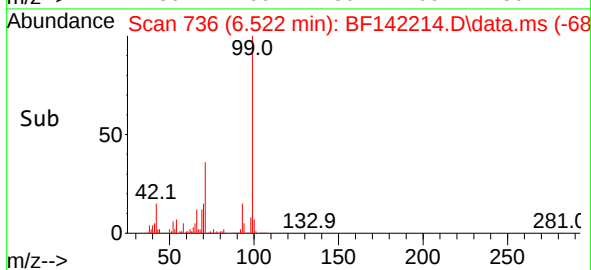
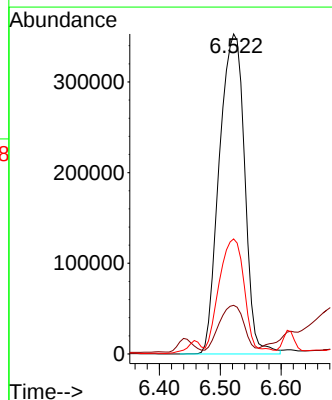
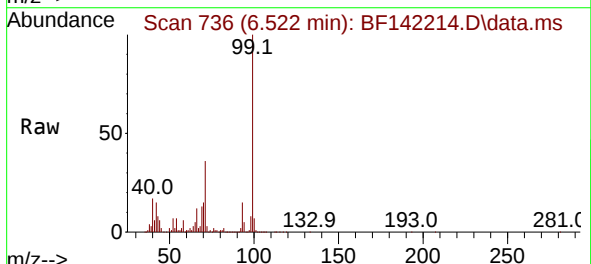
Instrument :
 BNA_F
 ClientSampleId :

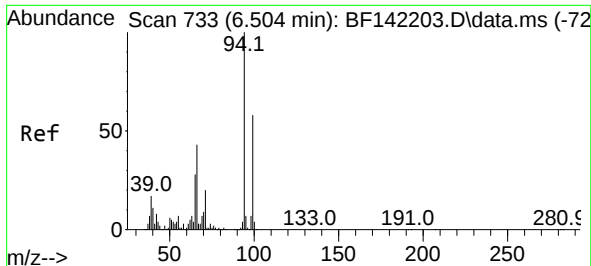
Tgt Ion: 93 Resp: 102385
 Ion Ratio Lower Upper
 93 100
 66 74.9 30.9 46.3#
 65 30.5 15.1 22.7#



#7
 Phenol-d6
 Concen: 44.163 ng
 RT: 6.522 min Scan# 736
 Delta R.T. 0.030 min
 Lab File: BF142214.D
 Acq: 22 Apr 2025 16:21

Tgt Ion: 99 Resp: 1017953
 Ion Ratio Lower Upper
 99 100
 42 15.2 11.5 17.3
 71 35.9 28.6 42.8

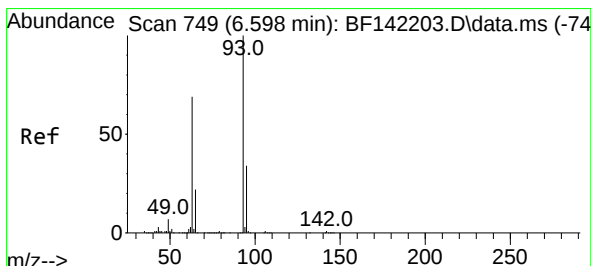
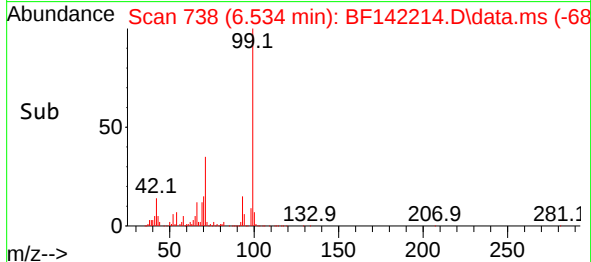
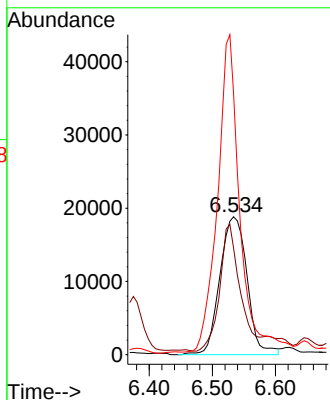
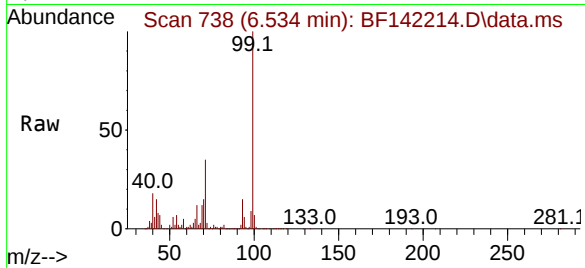




#10
Phenol
Concen: 2.319 ng
RT: 6.534 min Scan# 710
Delta R.T. 0.029 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

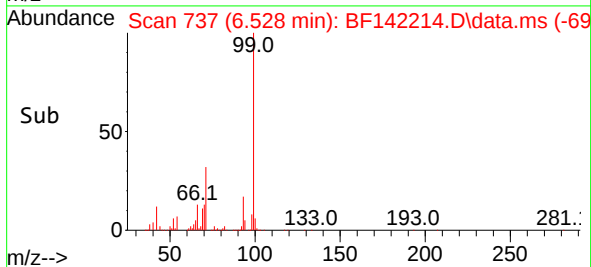
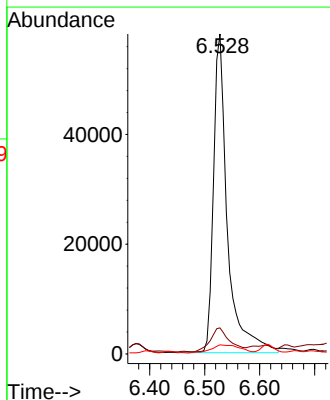
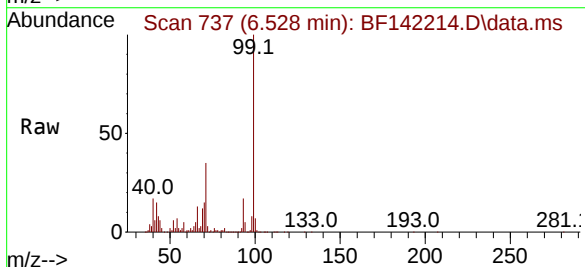
Instrument :
BNA_F
ClientSampleId :

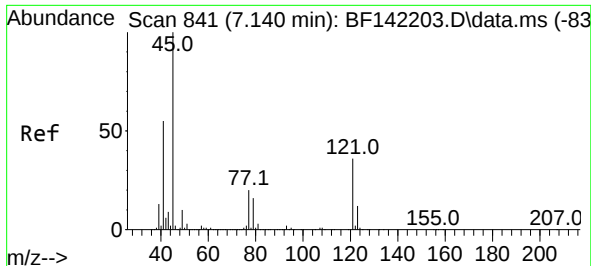
Tgt Ion: 94 Resp: 56369
Ion Ratio Lower Upper
94 100
65 77.5 8.1 48.1#
66 189.7 22.7 62.7#



#11
bis(2-Chloroethyl)ether
Concen: 5.584 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.071 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

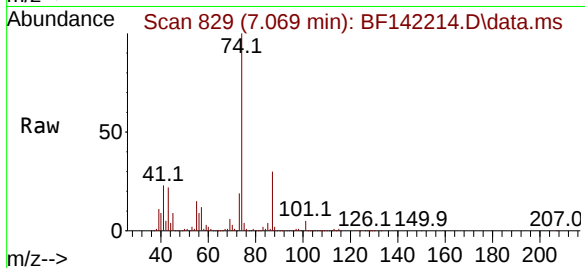
Tgt Ion: 93 Resp: 102385
Ion Ratio Lower Upper
93 100
63 8.1 47.9 87.9#
95 2.9 13.7 53.7#



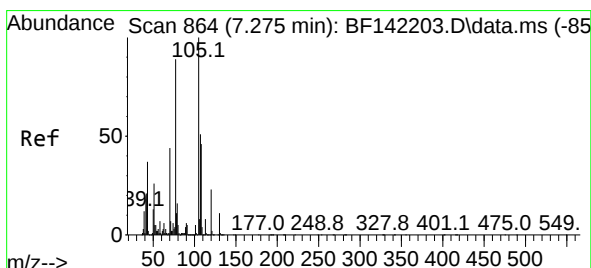
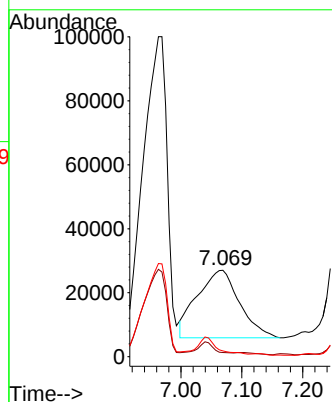
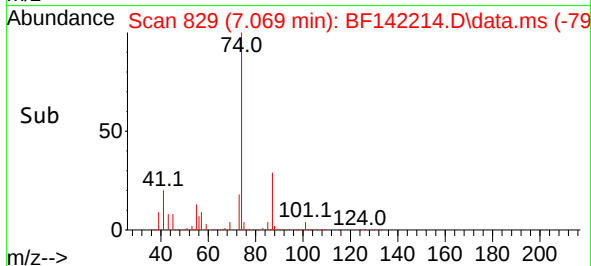


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.775 ng
RT: 7.069 min Scan# 81
Delta R.T. -0.071 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

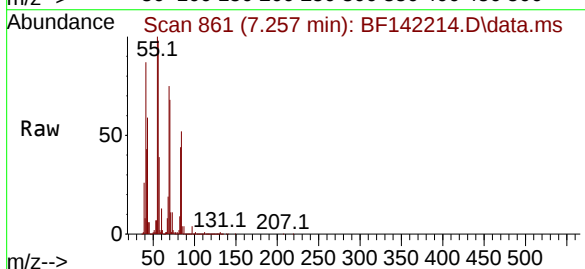
Instrument :
BNA_F
ClientSampleId :



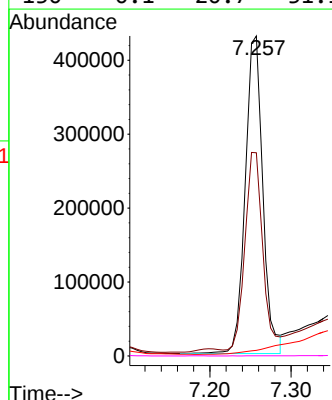
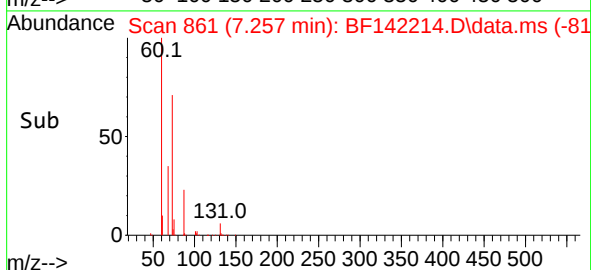
Tgt Ion: 45 Resp: 102619
Ion Ratio Lower Upper
45 100
77 4.8 1.4 41.4
79 6.7 0.0 36.7

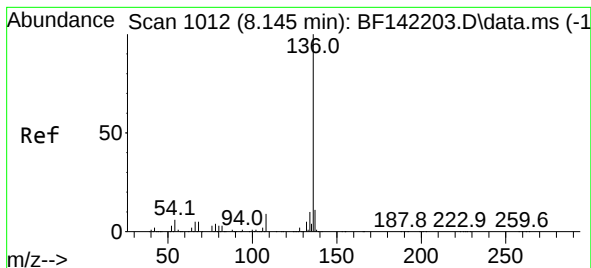


#19
n-Nitroso-di-n-propylamine
Concen: 49.579 ng
RT: 7.257 min Scan# 861
Delta R.T. -0.018 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21



Tgt Ion: 70 Resp: 646225
Ion Ratio Lower Upper
70 100
42 63.5 37.4 56.0#
101 1.8 8.6 13.0#
130 0.1 20.7 31.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. 0.000 min

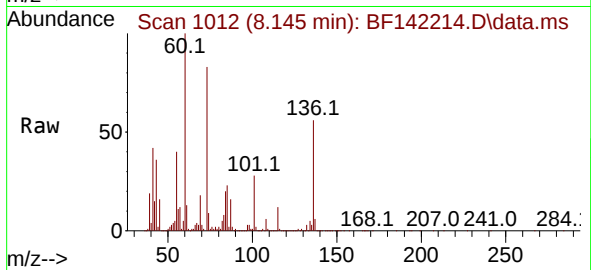
Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 1084325

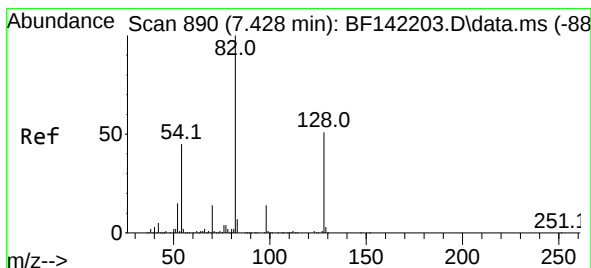
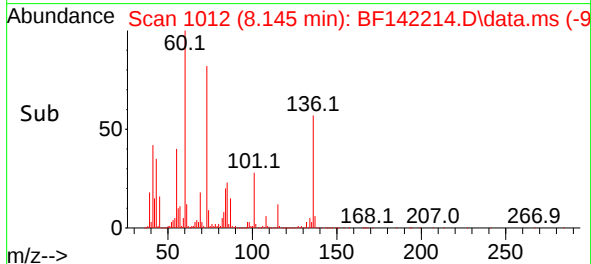
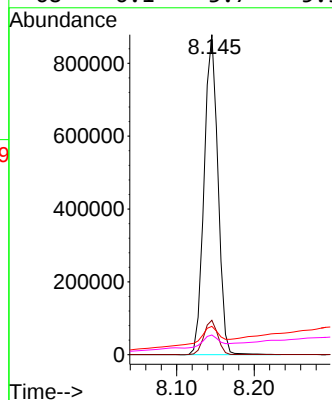
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.9 4.7 7.1#

68 6.1 3.7 5.5#



#23

Nitrobenzene-d5

Concen: 106.205 ng

RT: 7.428 min Scan# 890

Delta R.T. -0.000 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

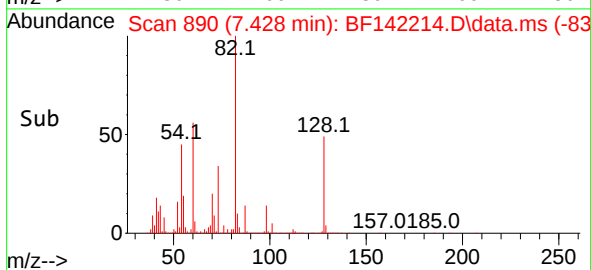
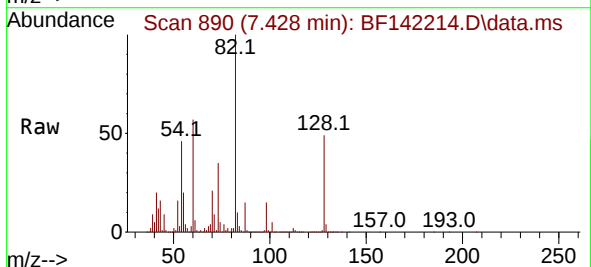
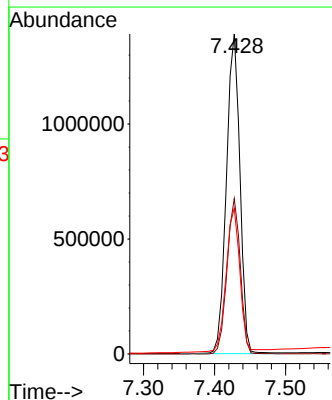
Tgt Ion: 82 Resp: 1833703

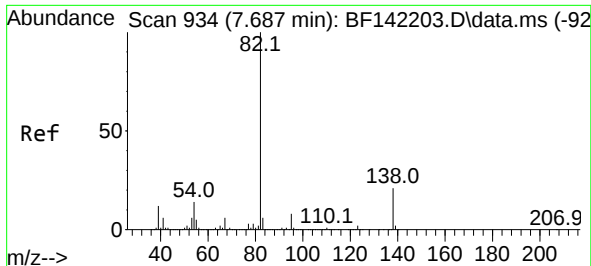
Ion Ratio Lower Upper

82 100

128 48.5 40.2 60.2

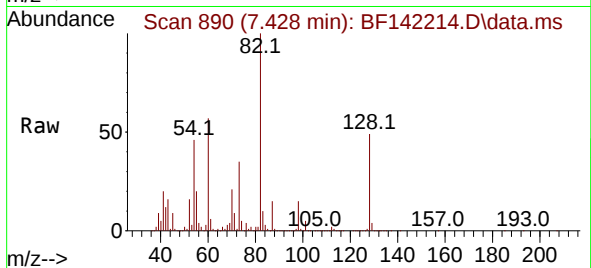
54 45.5 35.5 53.3



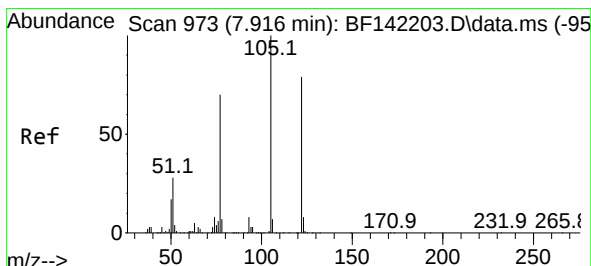
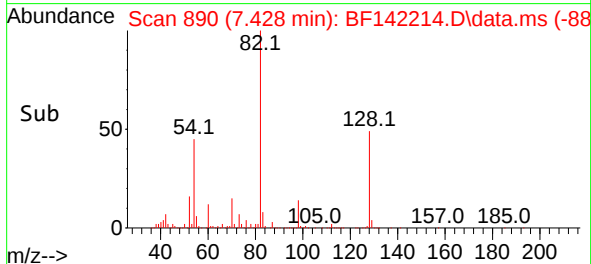
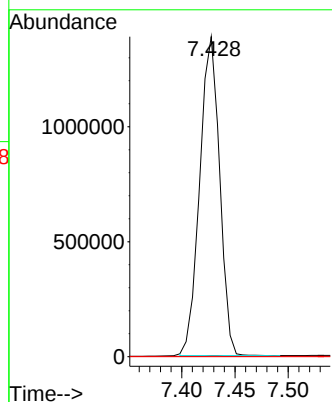


#25
Isophorone
Concen: 62.368 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.259 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Instrument :
BNA_F
ClientSampleId :

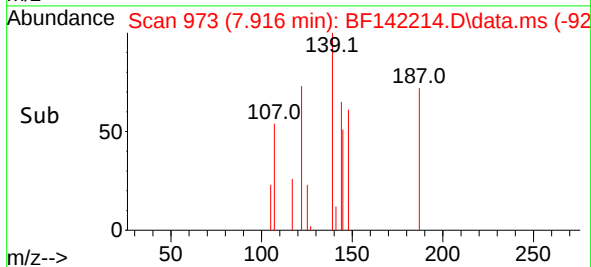
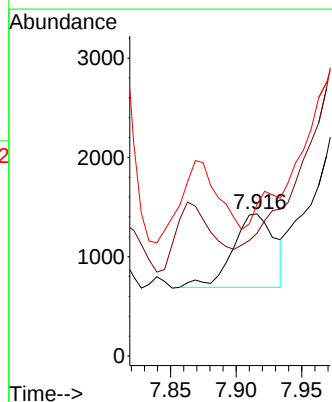
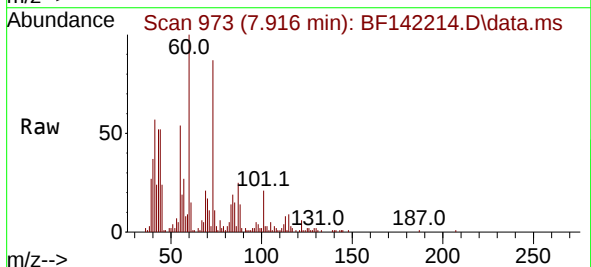


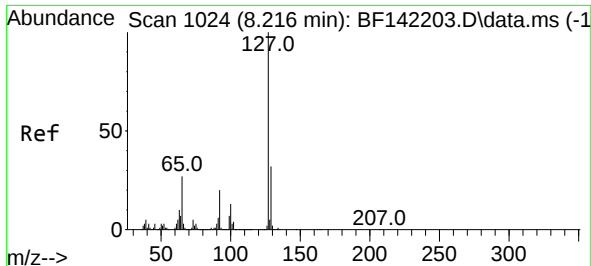
Tgt Ion: 82 Resp: 1807559
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 16.9 25.3#



#32
Benzoic acid
Concen: 7.005 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

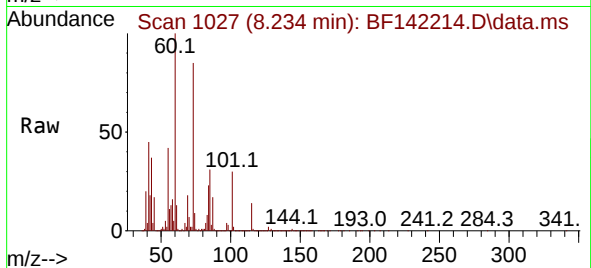
Tgt Ion:122 Resp: 1647
Ion Ratio Lower Upper
122 100
105 86.4 101.5 141.5#
77 106.6 66.6 106.6



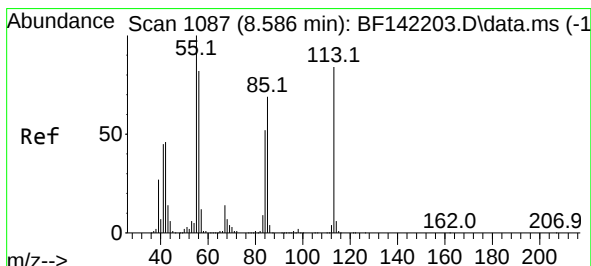
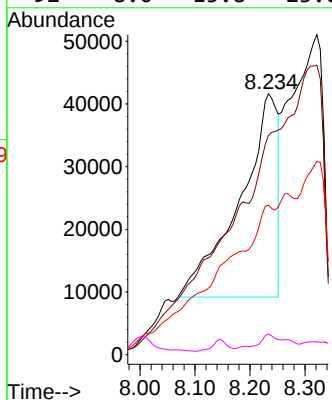
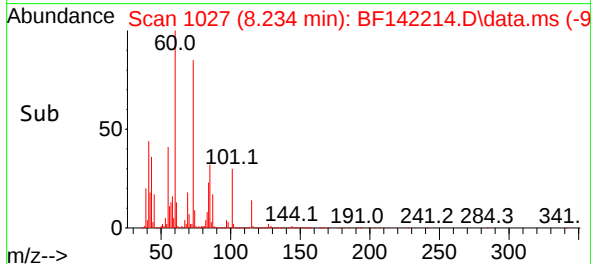


#33
4-Chloroaniline
Concen: 8.374 ng
RT: 8.234 min Scan# 1024
Delta R.T. 0.018 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

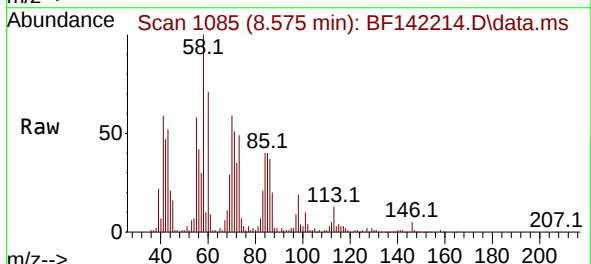
Instrument :
BNA_F
ClientSampleId :



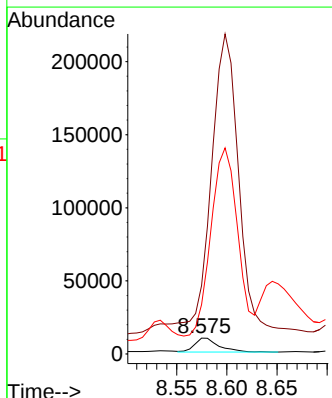
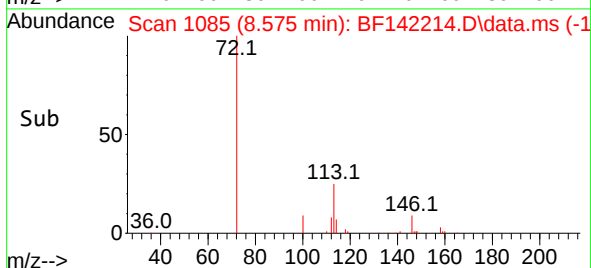
Tgt Ion:127 Resp: 155320
Ion Ratio Lower Upper
127 100
129 84.1 25.9 38.9#
65 57.3 21.8 32.6#
92 8.0 15.8 23.6#

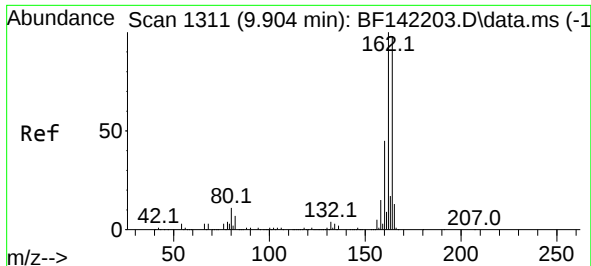


#35
Caprolactam
Concen: 3.732 ng
RT: 8.575 min Scan# 1085
Delta R.T. -0.012 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21



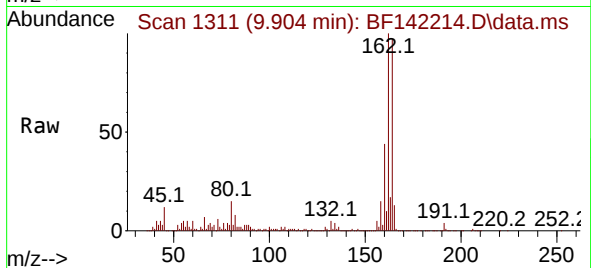
Tgt Ion:113 Resp: 15828
Ion Ratio Lower Upper
113 100
55 432.7 99.5 139.5#
56 312.6 78.1 118.1#



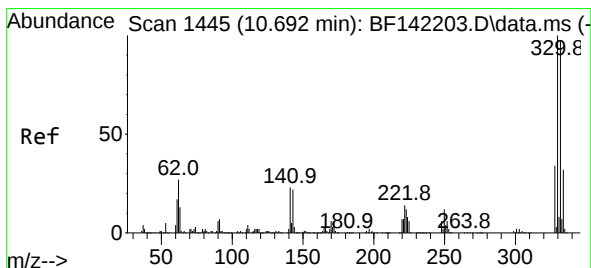
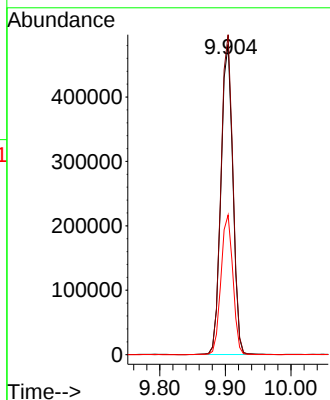
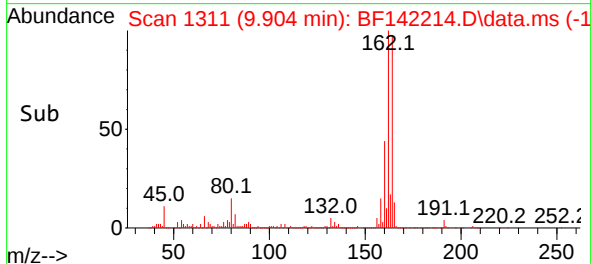


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

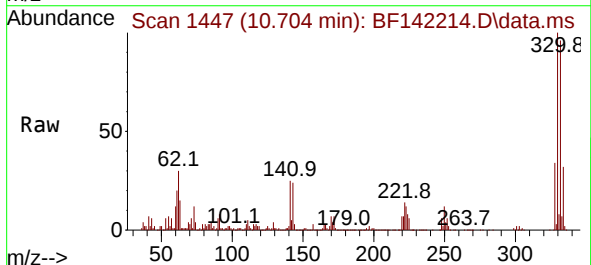
Instrument :
BNA_F
ClientSampleId :



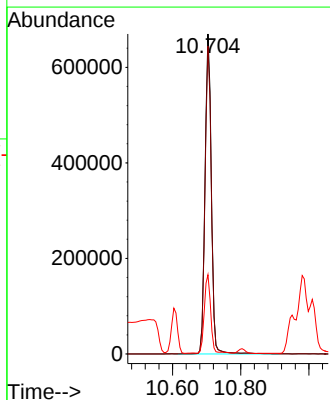
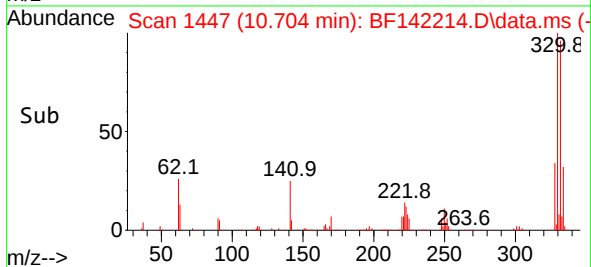
Tgt Ion:164 Resp: 603030
Ion Ratio Lower Upper
164 100
162 103.1 81.9 122.9
160 45.0 36.8 55.2

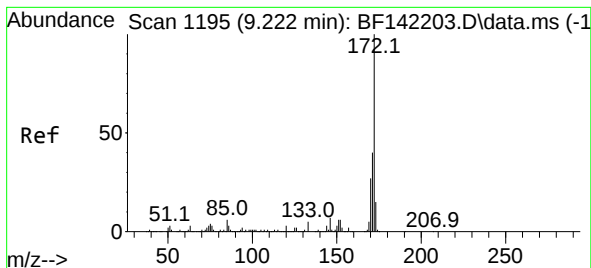


#42
2,4,6-Tribromophenol
Concen: 104.959 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.012 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21



Tgt Ion:330 Resp: 865384
Ion Ratio Lower Upper
330 100
332 95.2 77.1 115.7
141 24.8 18.9 28.3





#45

2-Fluorobiphenyl

Concen: 97.822 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.000 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

Instrument :

BNA_F

ClientSampleId :

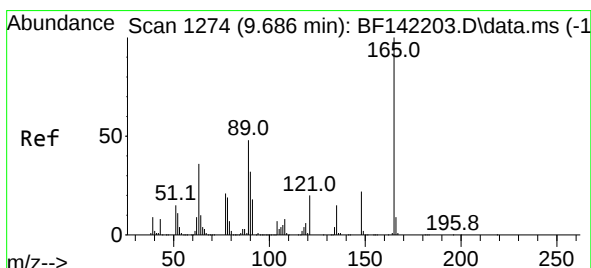
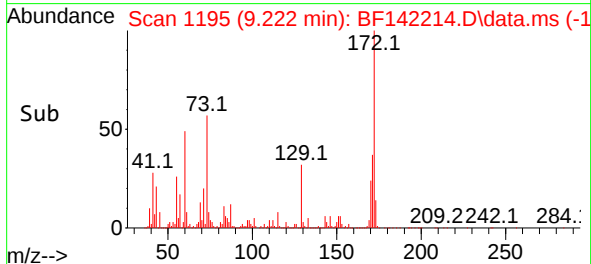
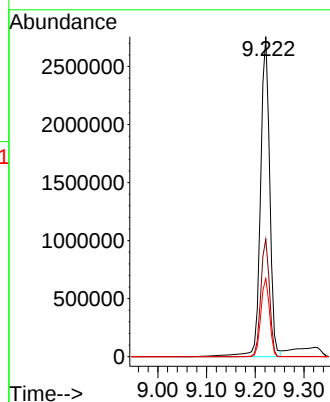
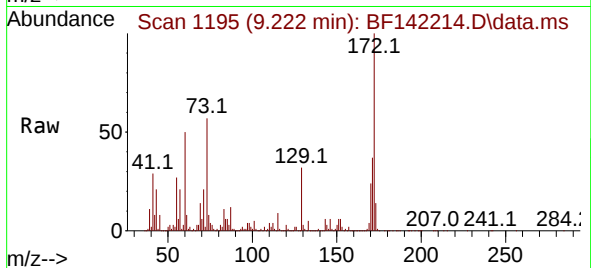
Tgt Ion:172 Resp: 3619144

Ion Ratio Lower Upper

172 100

171 36.7 32.1 48.1

170 24.4 21.4 32.0



#51

2,6-Dinitrotoluene

Concen: 9.722 ng

RT: 9.904 min Scan# 1311

Delta R.T. 0.218 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

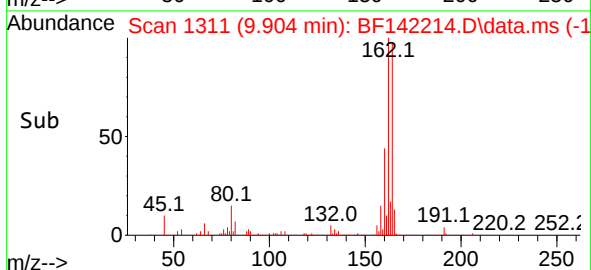
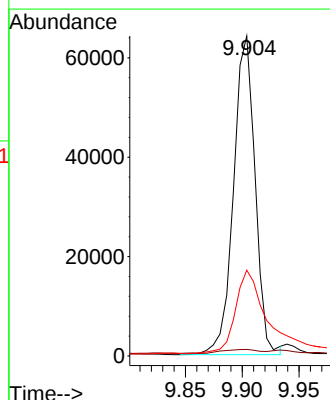
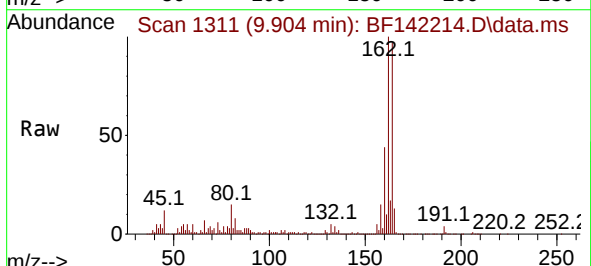
Tgt Ion:165 Resp: 84396

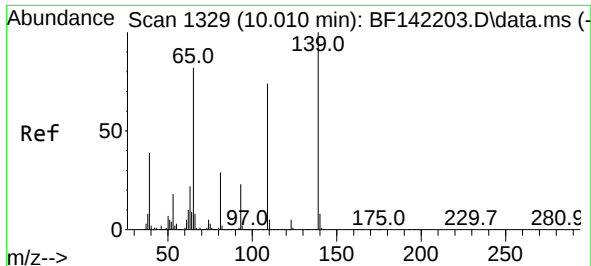
Ion Ratio Lower Upper

165 100

63 2.0 35.4 53.2#

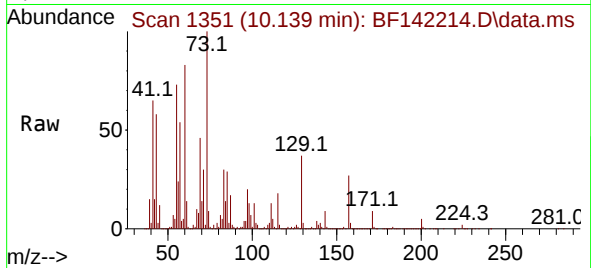
89 26.8 38.6 58.0#



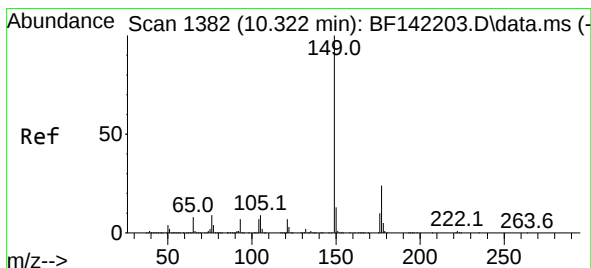
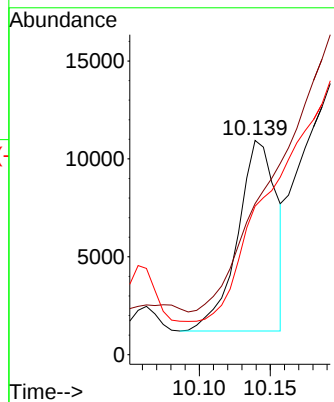
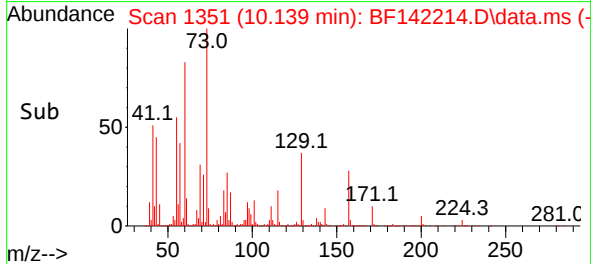


#56
4-Nitrophenol
Concen: 3.057 ng
RT: 10.139 min Scan# 1351
Delta R.T. 0.129 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

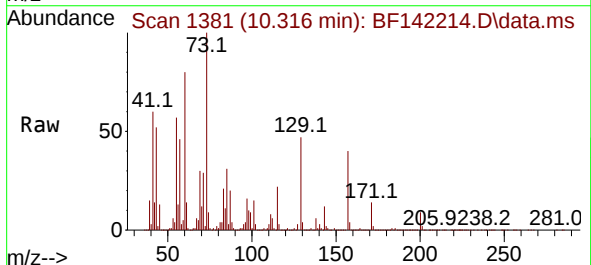
Instrument :
BNA_F
ClientSampleId :



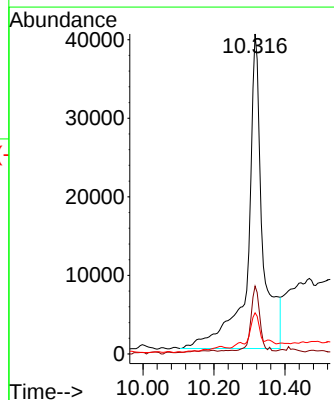
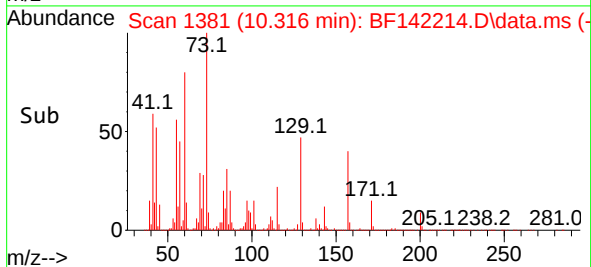
Tgt Ion:139 Resp: 18597
Ion Ratio Lower Upper
139 100
109 70.5 54.1 94.1
65 69.3 62.1 102.1

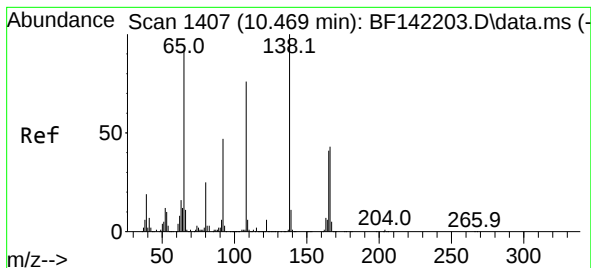


#60
Diethylphthalate
Concen: 3.241 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21



Tgt Ion:149 Resp: 117023
Ion Ratio Lower Upper
149 100
177 21.2 19.6 29.4
150 12.9 10.6 15.8

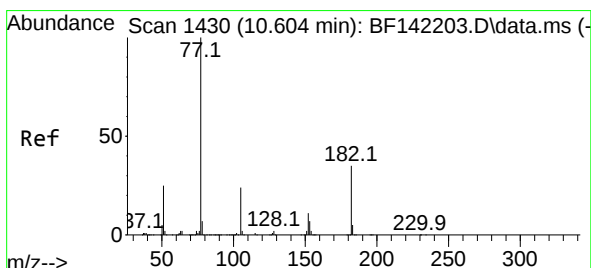
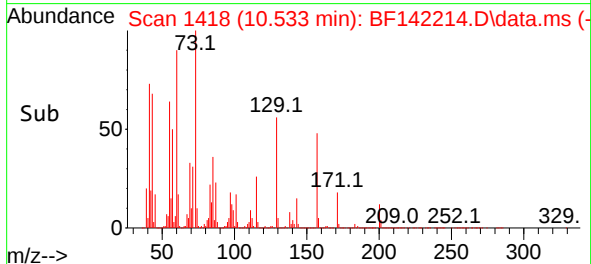
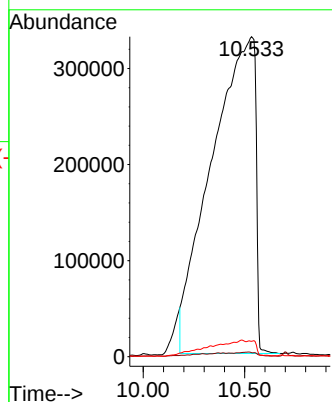
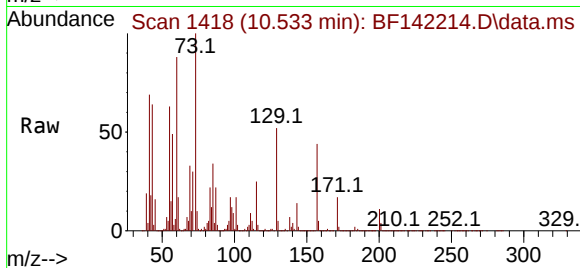




#62
4-Nitroaniline
Concen: 629.782 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.065 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

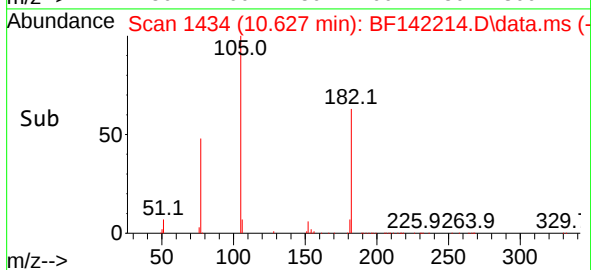
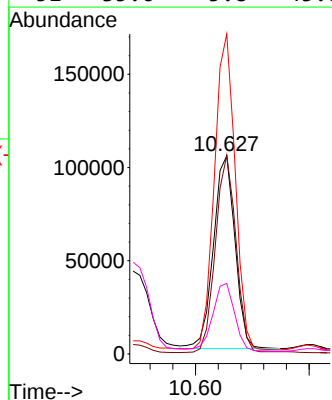
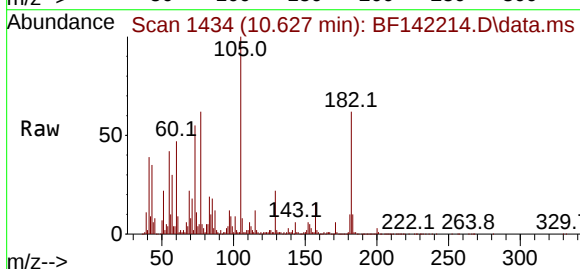
Instrument :
BNA_F
ClientSampleId :

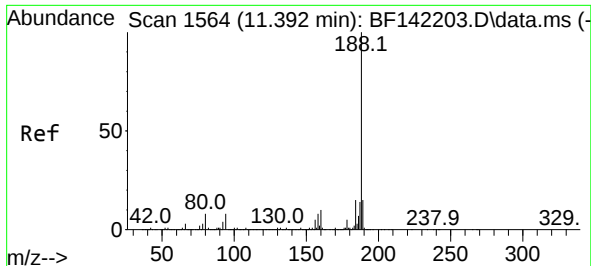
Tgt Ion:138 Resp: 4978959
Ion Ratio Lower Upper
138 100
92 1.3 26.7 66.7#
108 4.8 56.5 96.5#



#63
Azobenzene
Concen: 4.332 ng
RT: 10.627 min Scan# 1434
Delta R.T. 0.023 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion: 77 Resp: 136176
Ion Ratio Lower Upper
77 100
182 100.2 14.8 54.8#
105 161.4 4.0 44.0#
51 35.6 5.8 45.8

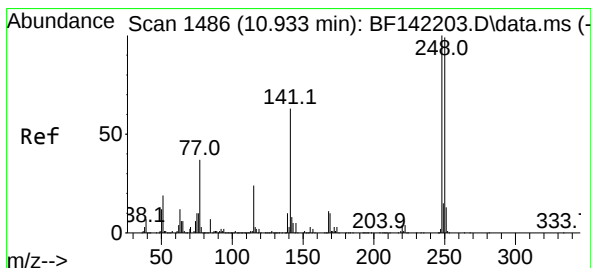
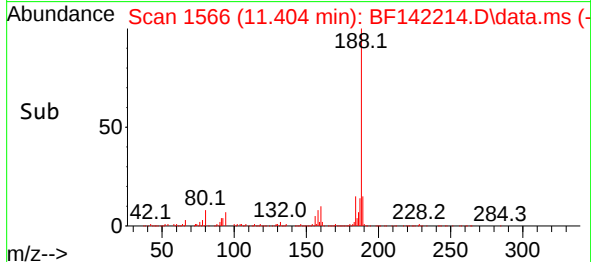
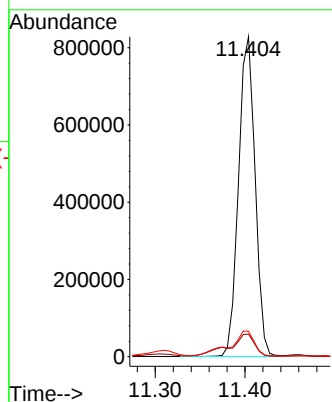
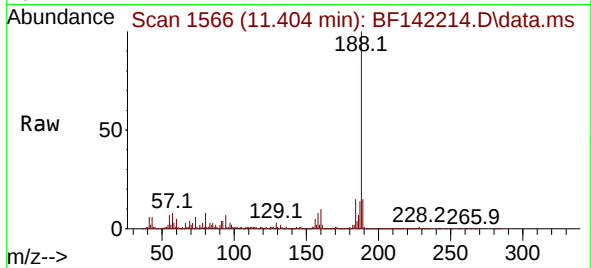




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

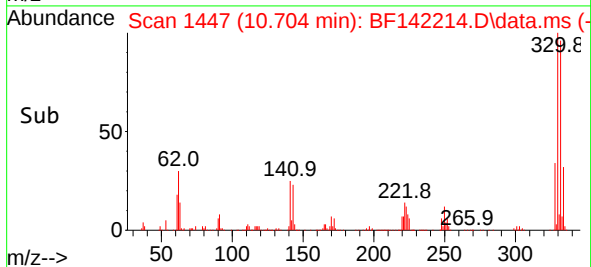
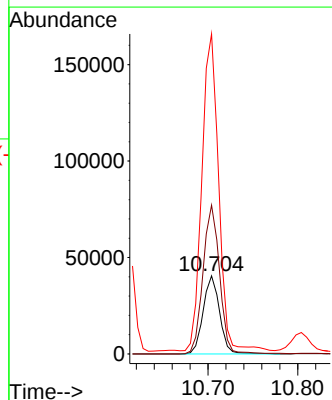
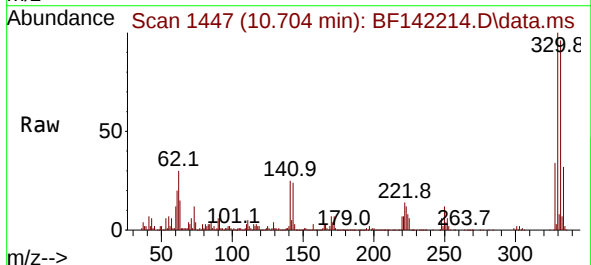
Instrument :
BNA_F
ClientSampleId :

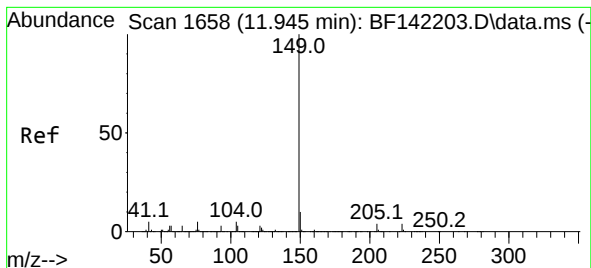
Tgt Ion:188 Resp: 1064759
Ion Ratio Lower Upper
188 100
94 7.1 6.3 9.5
80 8.0 6.7 10.1



#67
4-Bromophenyl-phenylether
Concen: 3.673 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.229 min
Lab File: BF142214.D
Acq: 22 Apr 2025 16:21

Tgt Ion:248 Resp: 51427
Ion Ratio Lower Upper
248 100
250 190.3 78.8 118.2#
141 409.4 50.6 75.8#





#74

Di-n-butylphthalate

Concen: 2.078 ng

RT: 11.963 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

Instrument :

BNA_F

ClientSampleId :

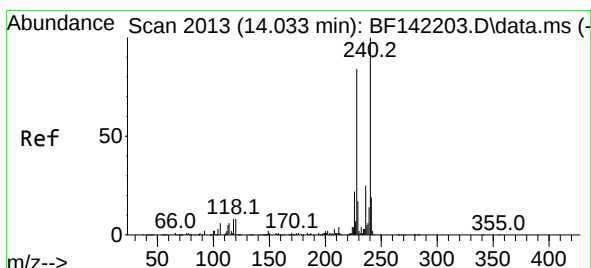
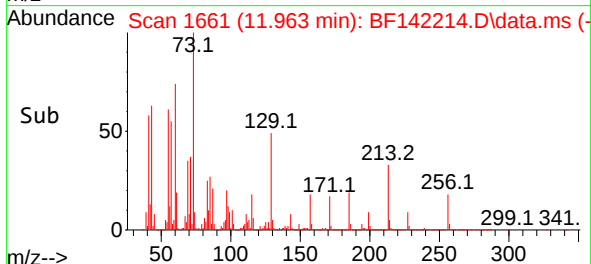
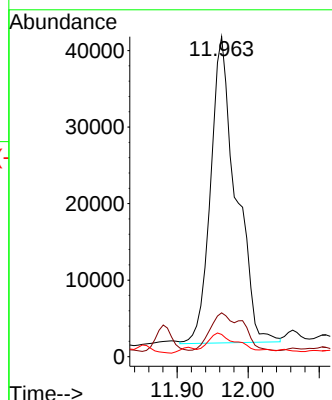
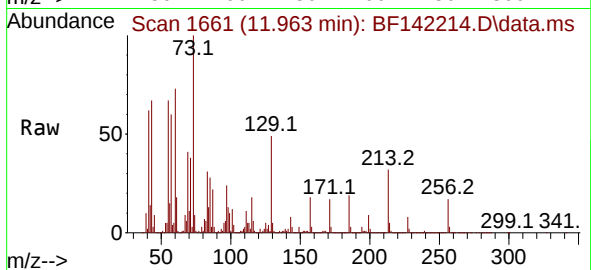
Tgt Ion:149 Resp: 99358

Ion Ratio Lower Upper

149 100

150 13.7 7.9 11.9#

104 7.0 4.0 6.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.006 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

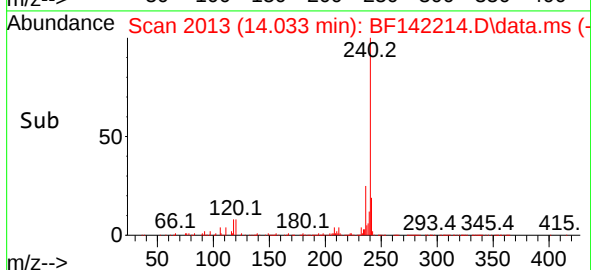
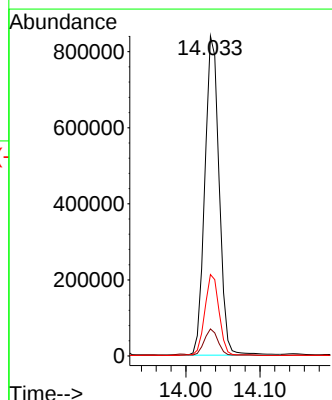
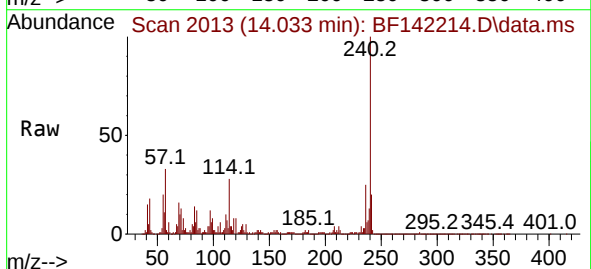
Tgt Ion:240 Resp: 1125179

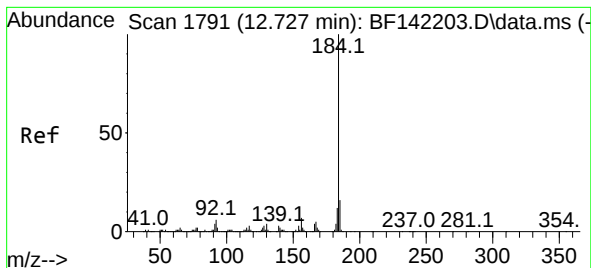
Ion Ratio Lower Upper

240 100

120 8.4 7.1 10.7

236 25.5 20.2 30.2





#77

Benzidine

Concen: 638.429 ng

RT: 12.757 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

Instrument :

BNA_F

ClientSampleId :

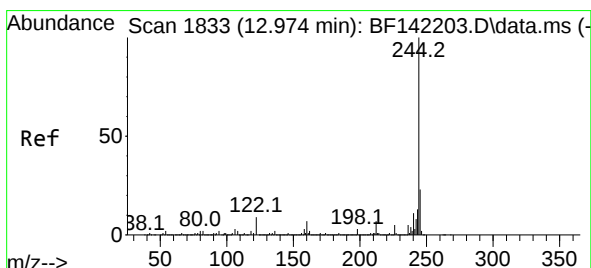
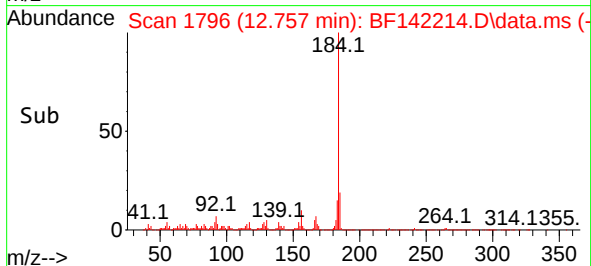
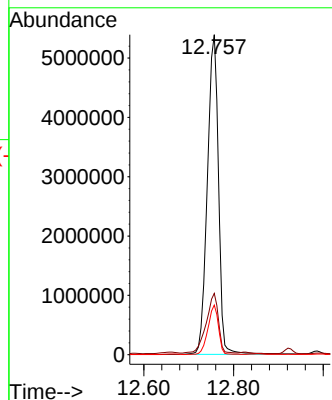
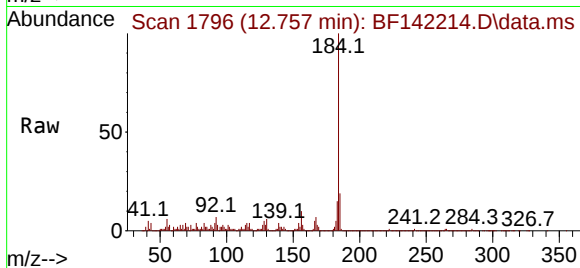
Tgt Ion:184 Resp: 9270030

Ion Ratio Lower Upper

184 100

185 19.1 13.0 19.6

183 15.5 9.6 14.4#



#79

Terphenyl-d14

Concen: 74.615 ng

RT: 12.986 min Scan# 1835

Delta R.T. 0.012 min

Lab File: BF142214.D

Acq: 22 Apr 2025 16:21

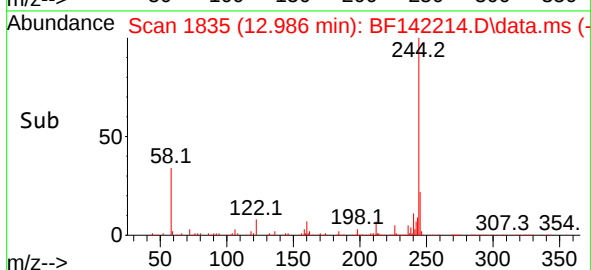
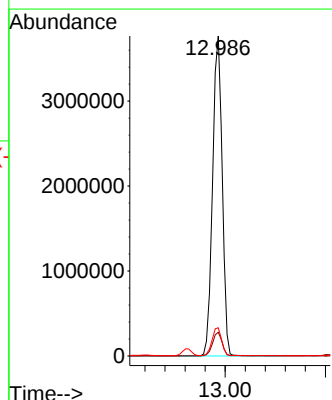
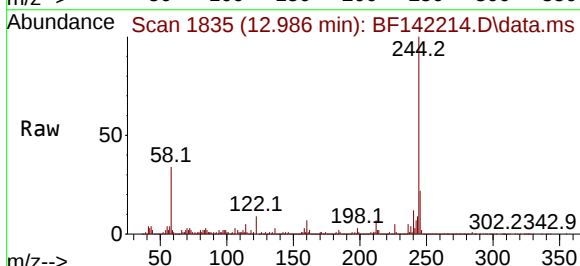
Tgt Ion:244 Resp: 5011332

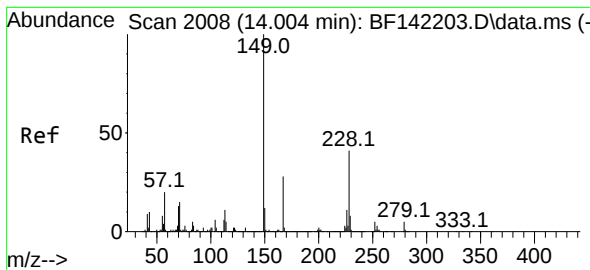
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 8.8 7.3 10.9

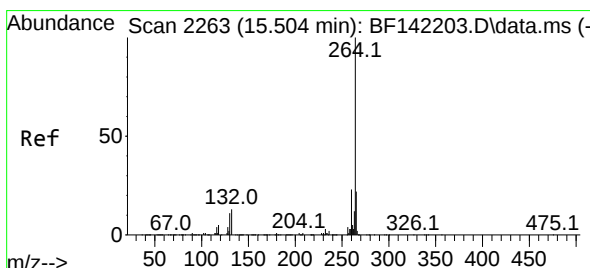
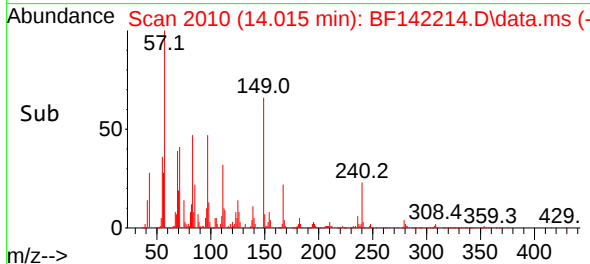
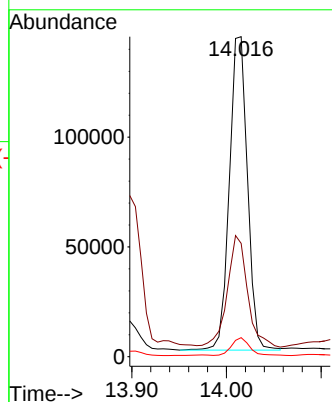
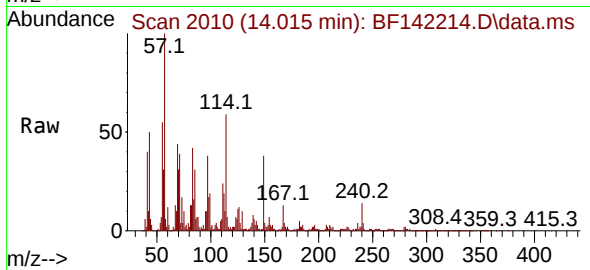




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 6.546 ng
 RT: 14.015 min Scan# 2008
 Delta R.T. 0.012 min
 Lab File: BF142214.D
 Acq: 22 Apr 2025 16:21

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:149 Resp: 189431
 Ion Ratio Lower Upper
 149 100
 167 35.4 22.2 33.4#
 279 5.9 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2263
 Delta R.T. -0.000 min
 Lab File: BF142214.D
 Acq: 22 Apr 2025 16:21

Tgt Ion:264 Resp: 823852
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 27.8
 265 22.3 16.9 25.3

