

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
 Data File : BF124971.D
 Acq On : 7 Aug 2021 13:03
 Operator : JU/CG
 Sample : M3281-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP02

Quant Time: Aug 07 15:37:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 06 11:27:24 2021
 Response via : Initial Calibration

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

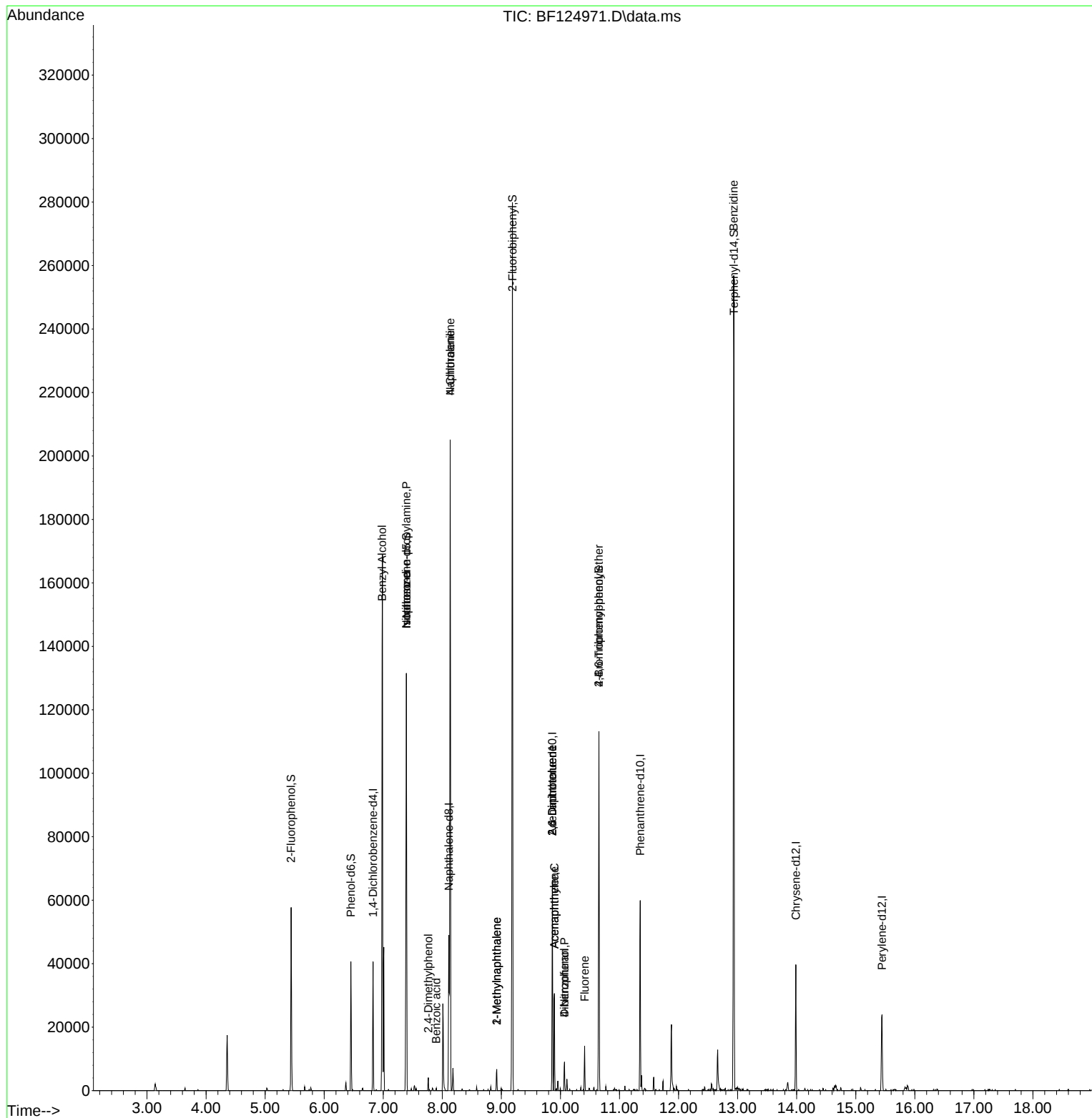
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	5507	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	21150	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	11828	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	21275	20.000	ng	0.00
76) Chrysene-d12	13.986	240	13868	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	12828	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	15067	44.818	ng	0.00
7) Phenol-d6	6.451	99	11606	27.379	ng	-0.01
23) Nitrobenzene-d5	7.392	82	38285	94.695	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	10599	100.302	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	79711	98.610	ng	0.00
79) Terphenyl-d14	12.939	244	93466	113.687	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	6.981	79	650	2.126	ng	# 45
19) n-Nitroso-di-n-propyla...	7.392	70	4997	19.867	ng	# 71
25) Isophorone	7.392	82	38285	55.482	ng	# 59
27) 2,4-Dimethylphenol	7.763	122	796	2.827	ng	# 61
31) Naphthalene	8.134	128	82480	75.903	ng	96
32) Benzoic acid	7.898	122	160	8.251	ng	# 1
33) 4-Chloroaniline	8.134	127	10519	25.976	ng	# 32
37) 2-Methylnaphthalene	8.922	142	2108	2.885	ng	83
38) 1-Methylnaphthalene	8.922	142	2108	3.084	ng	90
49) Acenaphthylene	9.898	152	3527	3.311	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	1457	8.163	ng	# 26
52) Acenaphthene	9.898	154	6938	10.744	ng	99
55) Dibenzofuran	10.069	168	4586	4.544	ng	98
56) 4-Nitrophenol	10.069	139	1780	14.364	ng	# 10
57) 2,4-Dinitrotoluene	9.863	165	1457	6.013	ng	# 18
58) Fluorene	10.410	166	3444	4.451	ng	99
67) 4-Bromophenyl-phenylether	10.651	248	812	3.485	ng	# 1
77) Benzidine	12.933	184	1265	3.409	ng	# 69

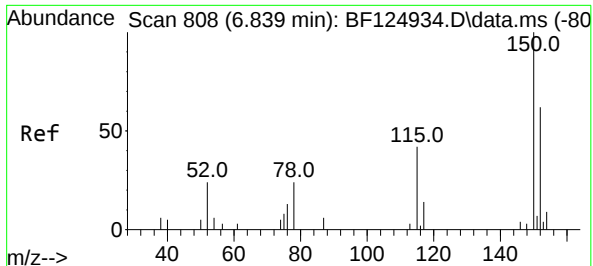
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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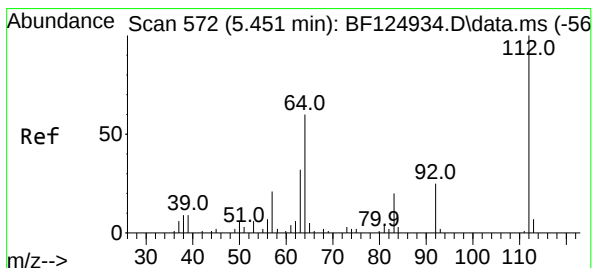
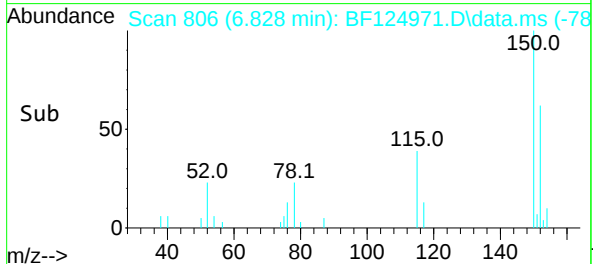
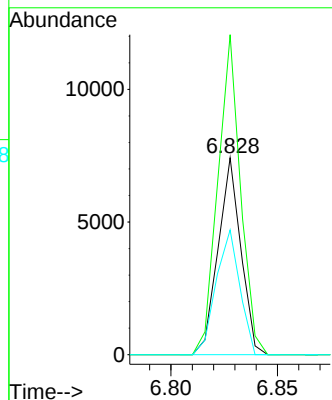
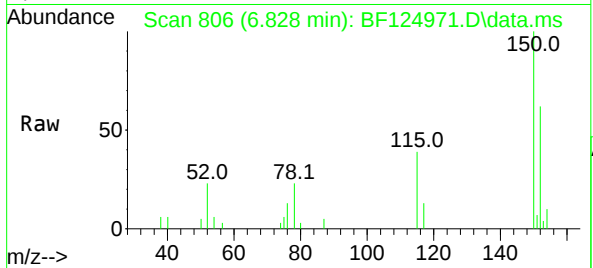




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

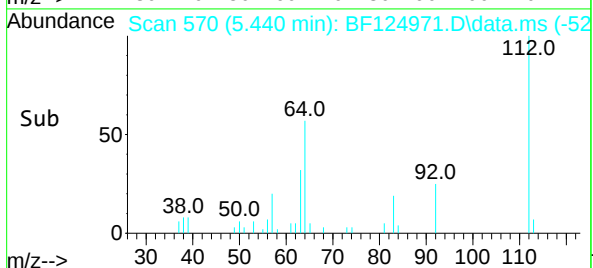
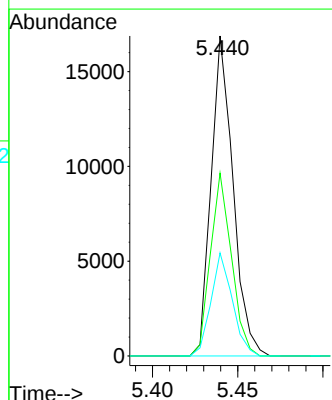
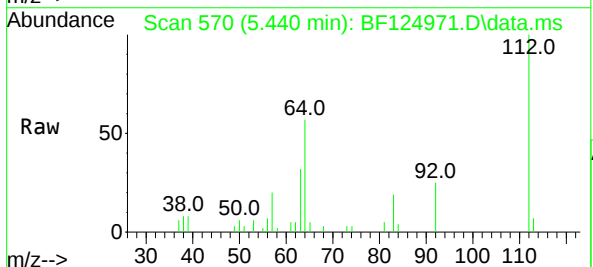
Instrument :
BNA_F
ClientSampleId :
TWP02

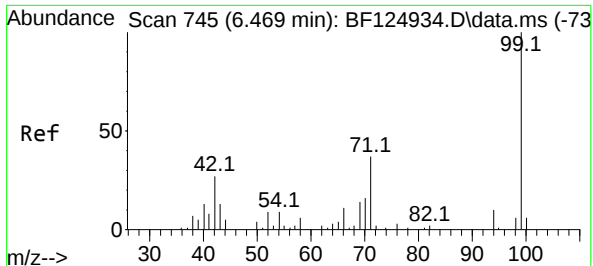
Tgt Ion:152 Resp: 5507
Ion Ratio Lower Upper
152 100
150 162.5 117.6 176.4
115 63.3 47.1 70.7



#5
2-Fluorophenol
Concen: 44.818 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:112 Resp: 15067
Ion Ratio Lower Upper
112 100
64 57.2 44.2 66.2
63 32.2 26.2 39.2

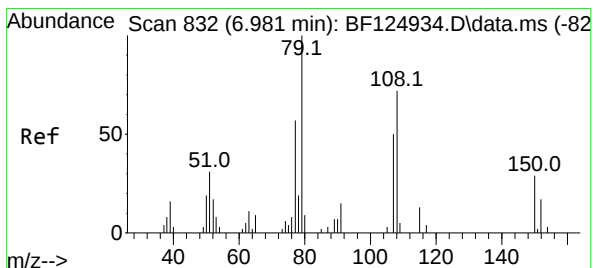
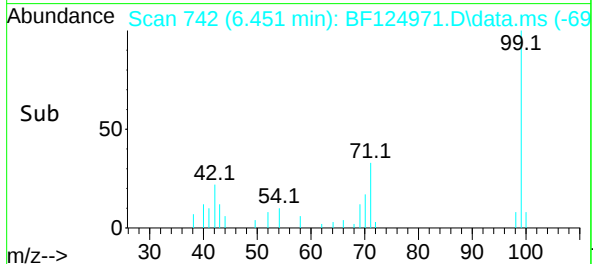
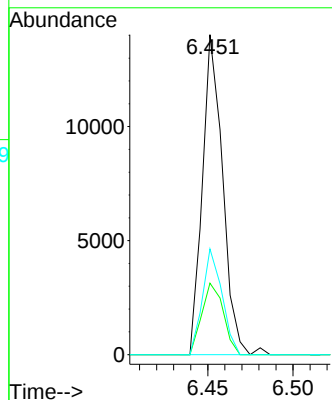
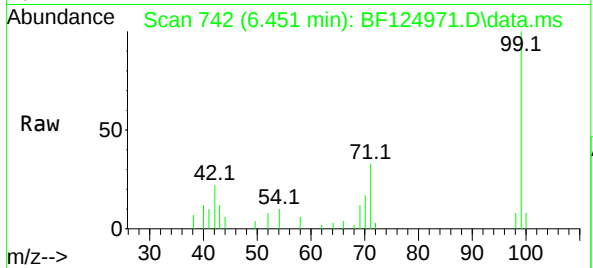




#7
Phenol-d6
Concen: 27.379 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

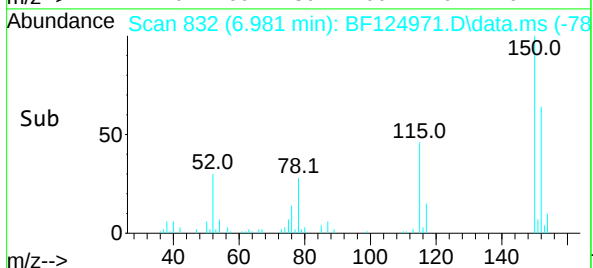
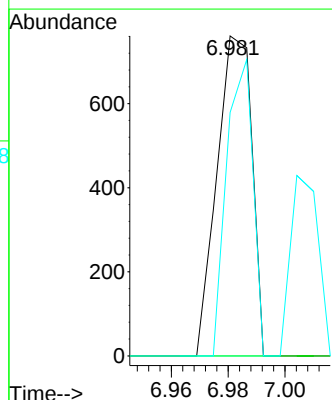
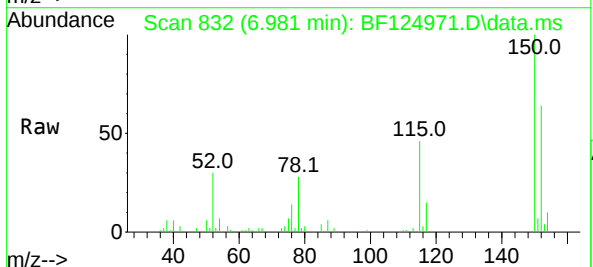
Instrument :
BNA_F
ClientSampleId :
TWP02

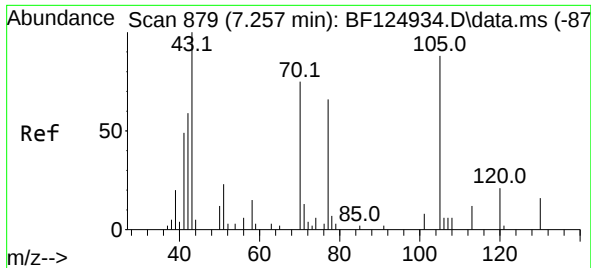
Tgt Ion: 99 Resp: 11606
Ion Ratio Lower Upper
99 100
42 22.3 23.5 35.3#
71 33.1 25.6 38.4



#15
Benzyl Alcohol
Concen: 2.126 ng
RT: 6.981 min Scan# 832
Delta R.T. 0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion: 79 Resp: 650
Ion Ratio Lower Upper
79 100
108 0.0 60.4 90.6#
77 76.1 51.5 77.3



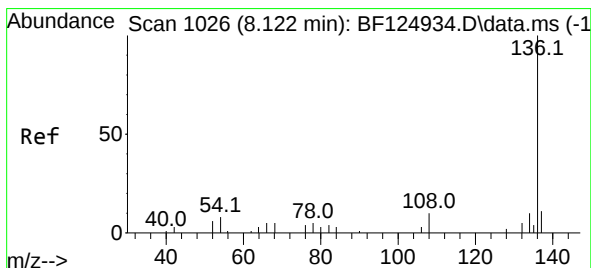
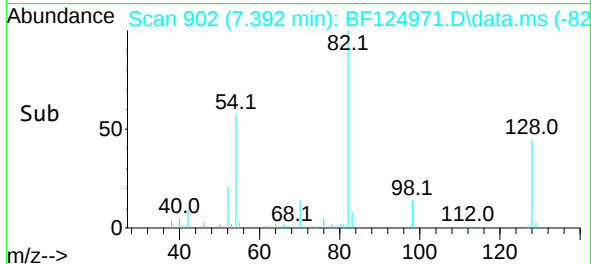
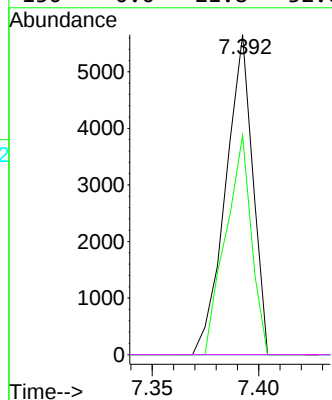
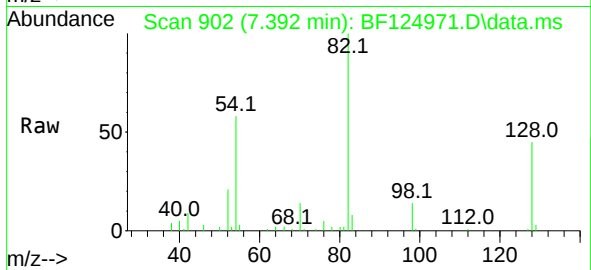


#19

n-Nitroso-di-n-propylamine
 Concen: 19.867 ng
 RT: 7.392 min Scan# 902
 Delta R.T. 0.147 min
 Lab File: BF124971.D
 Acq: 7 Aug 2021 13:03

Instrument :
 BNA_F
 ClientSampleID :
 TWP02

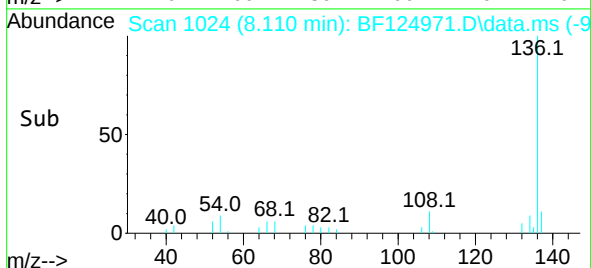
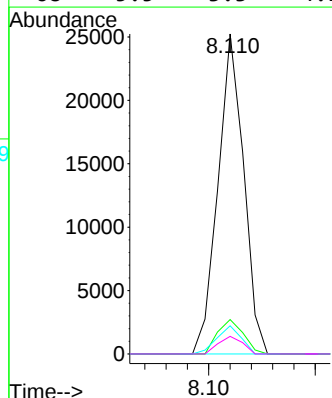
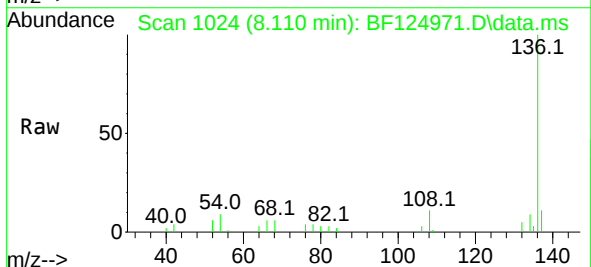
Tgt Ion: 70 Resp: 4997
 Ion Ratio Lower Upper
 70 100
 42 68.6 72.2 108.2#
 101 0.0 7.8 11.8#
 130 0.0 21.8 32.6#

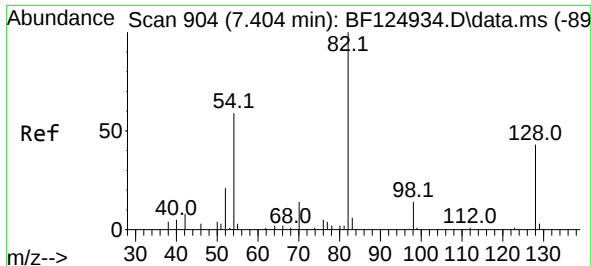


#21

Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.110 min Scan# 1024
 Delta R.T. -0.006 min
 Lab File: BF124971.D
 Acq: 7 Aug 2021 13:03

Tgt Ion: 136 Resp: 21150
 Ion Ratio Lower Upper
 136 100
 137 10.7 9.8 14.6
 54 8.8 6.4 9.6
 68 5.5 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 94.695 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF124971.D

Acq: 7 Aug 2021 13:03

Tgt Ion: 82 Resp: 38285

Ion Ratio Lower Upper

82 100

128 44.6 40.6 60.8

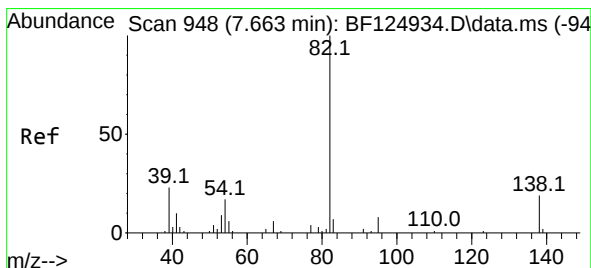
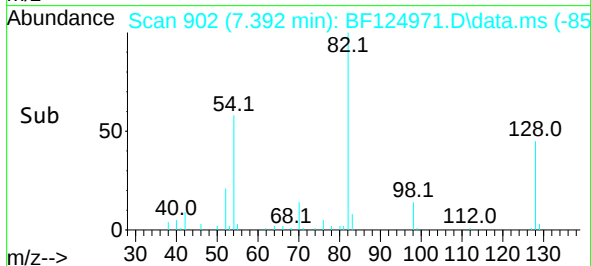
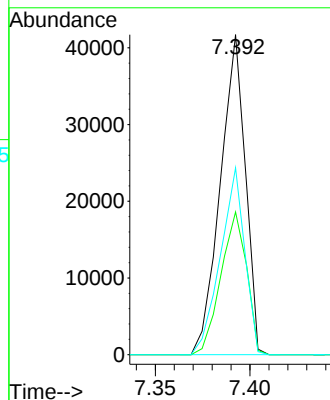
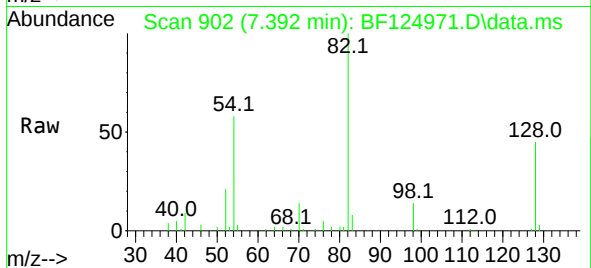
54 58.4 49.6 74.4

Instrument :

BNA_F

ClientSampleId :

TWP02



#25

Isophorone

Concen: 55.482 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF124971.D

Acq: 7 Aug 2021 13:03

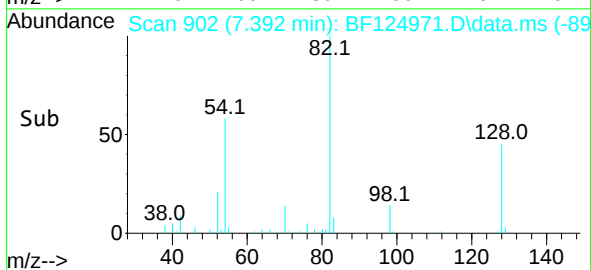
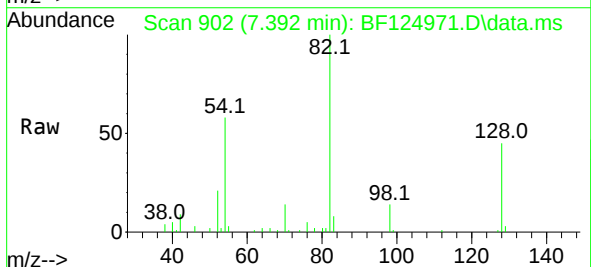
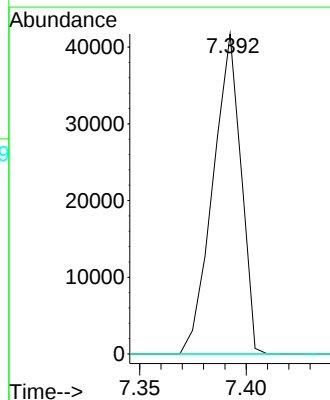
Tgt Ion: 82 Resp: 38285

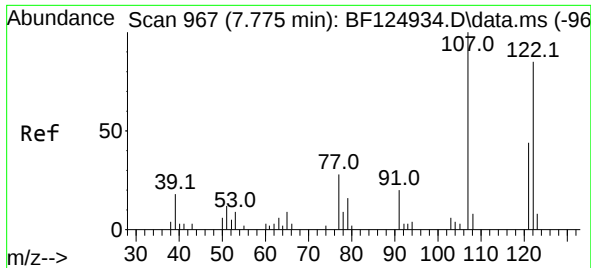
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#





#27

2,4-Dimethylphenol

Concen: 2.827 ng

RT: 7.763 min Scan# 965

Delta R.T. 0.000 min

Lab File: BF124971.D

Acq: 7 Aug 2021 13:03

Instrument :

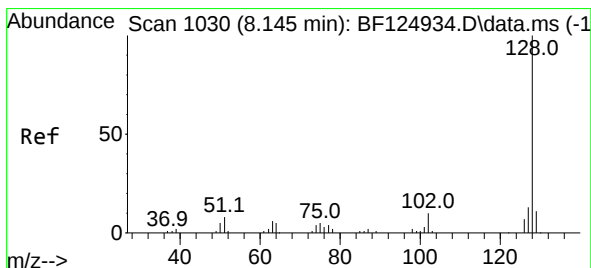
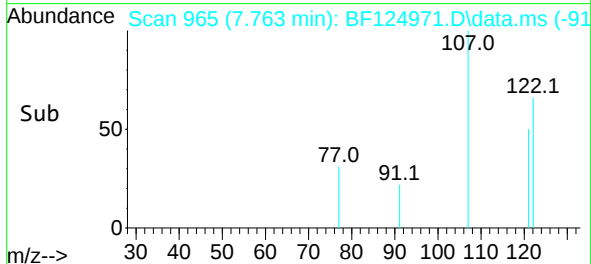
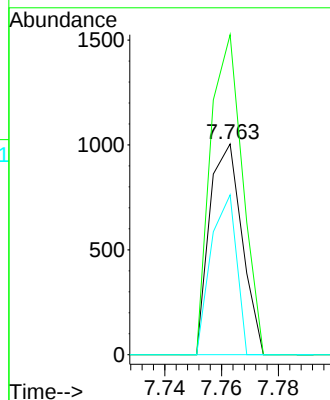
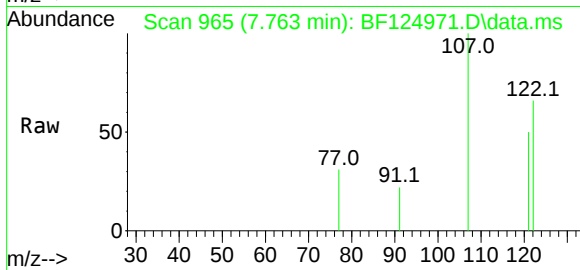
BNA_F

ClientSampleId :

TWP02

Tgt Ion:122 Resp: 796

Ion	Ratio	Lower	Upper
122	100		
107	151.8	85.0	127.6#
121	75.8	43.3	64.9#



#31

Naphthalene

Concen: 75.903 ng

RT: 8.134 min Scan# 1028

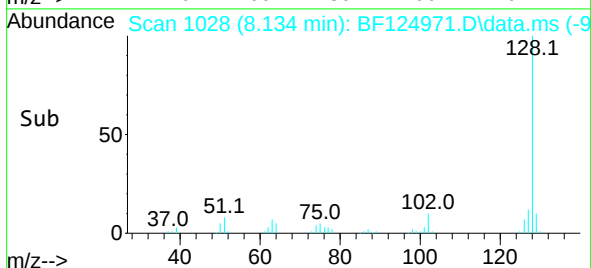
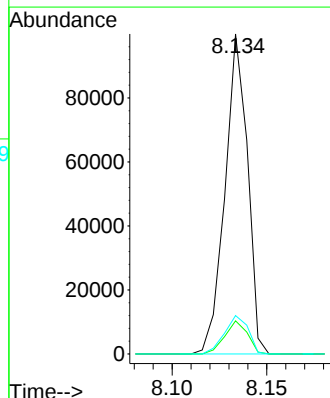
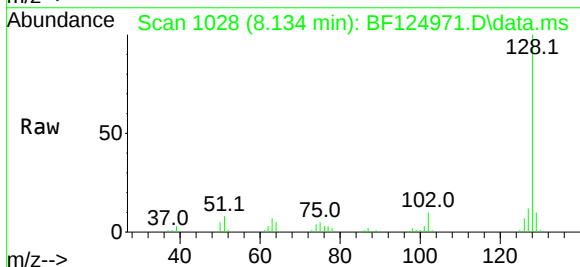
Delta R.T. 0.000 min

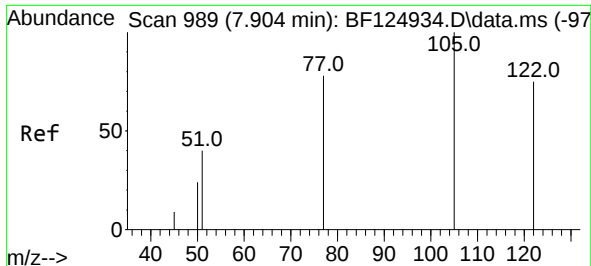
Lab File: BF124971.D

Acq: 7 Aug 2021 13:03

Tgt Ion:128 Resp: 82480

Ion	Ratio	Lower	Upper
128	100		
129	10.4	9.4	14.0
127	12.0	10.9	16.3

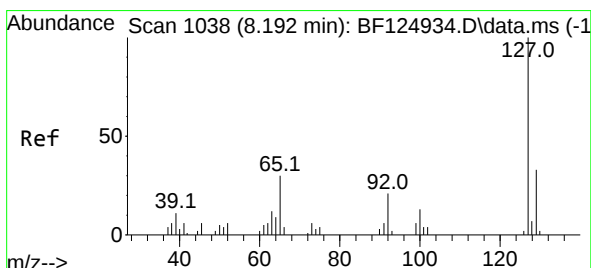
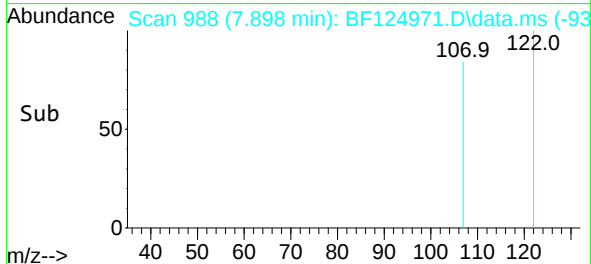
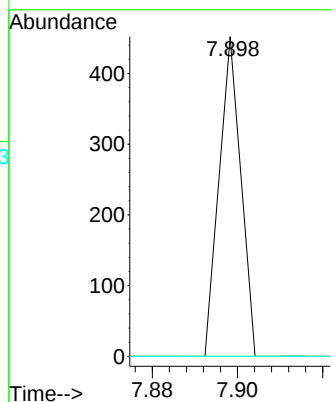
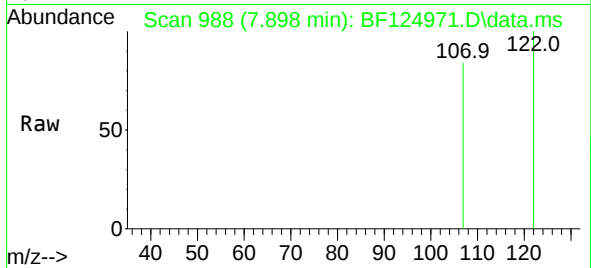




#32
Benzoic acid
Concen: 8.251 ng
RT: 7.898 min Scan# 988
Delta R.T. 0.000 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

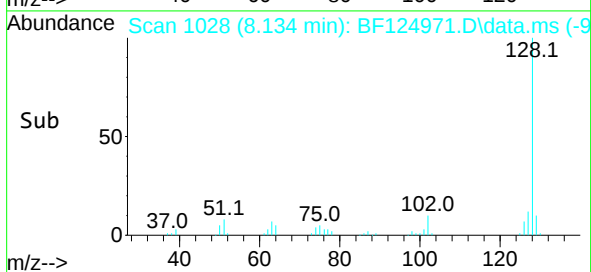
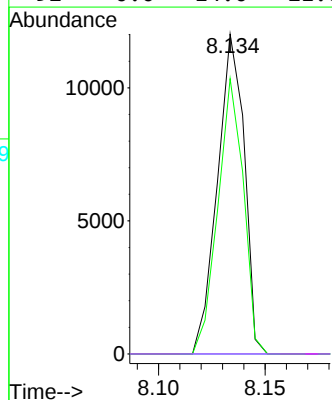
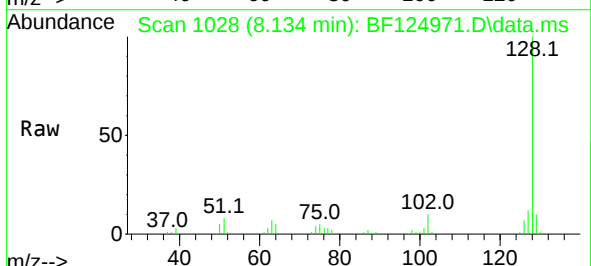
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TWP02

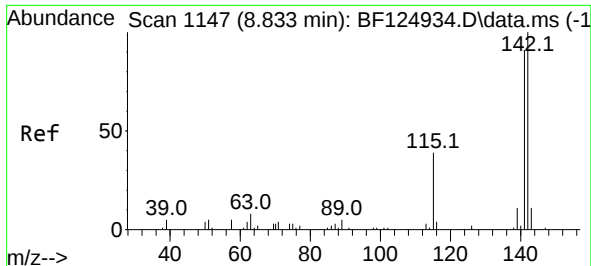
Tgt Ion:122 Resp: 160
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 0.0 59.6 99.6#



#33
4-Chloroaniline
Concen: 25.976 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.053 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:127 Resp: 10519
Ion Ratio Lower Upper
127 100
129 86.1 25.7 38.5#
65 0.0 21.2 31.8#
92 0.0 14.0 21.0#

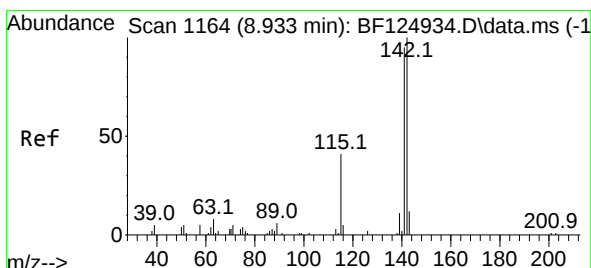
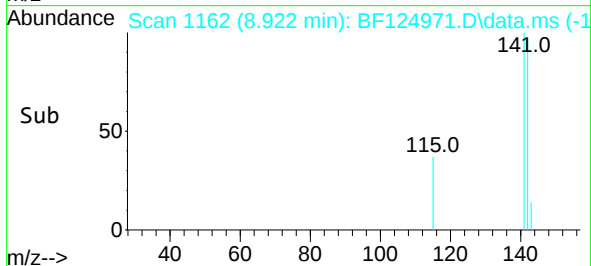
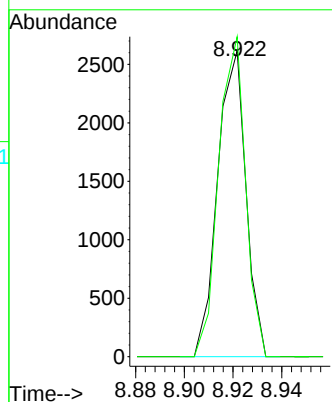
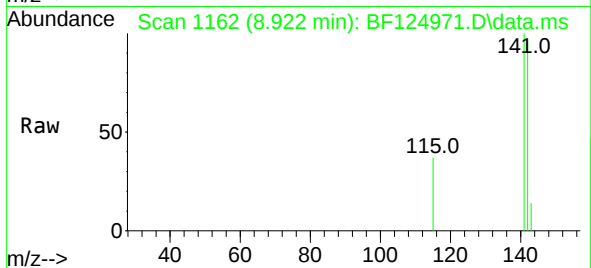




#37
2-Methylnaphthalene
Concen: 2.885 ng
RT: 8.922 min Scan# 1162
Delta R.T. 0.094 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

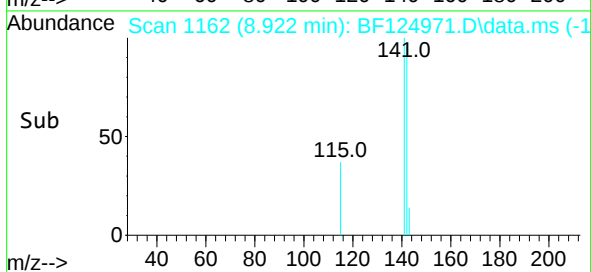
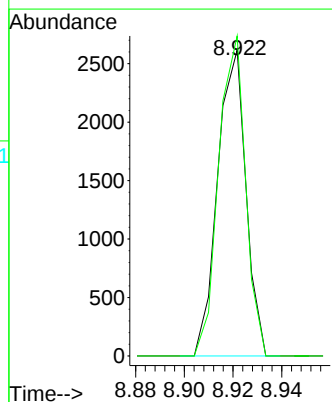
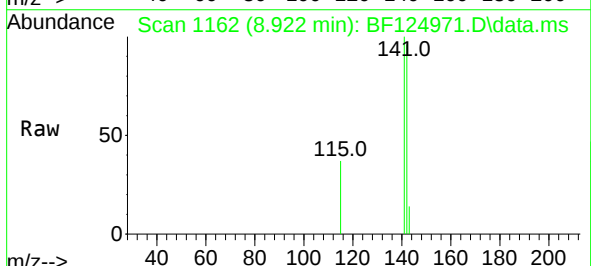
Instrument :
BNA_F
ClientSampleId :
TWP02

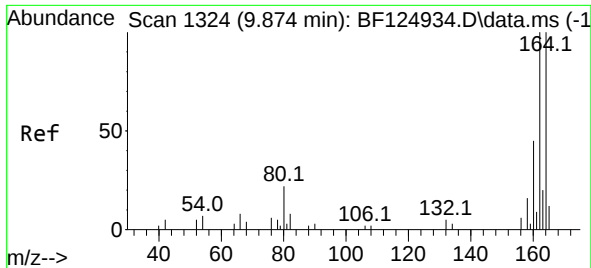
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Ion Ratio Lower Upper
142 100
141 104.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 3.084 ng
RT: 8.922 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:142 Resp: 2108
Ion Ratio Lower Upper
142 100
141 104.6 76.0 114.0

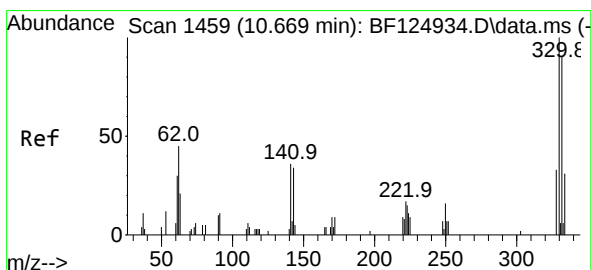
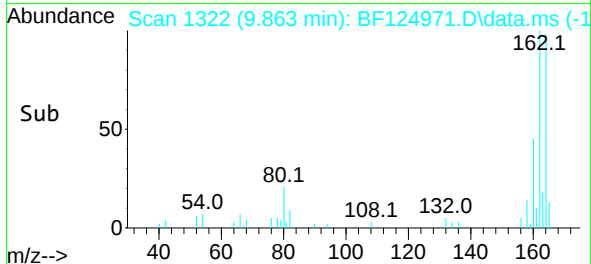
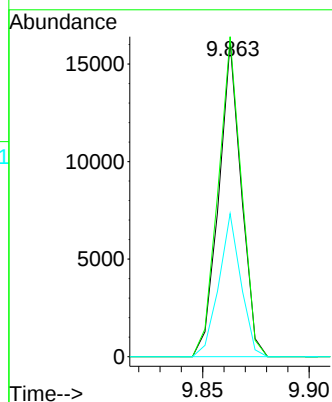
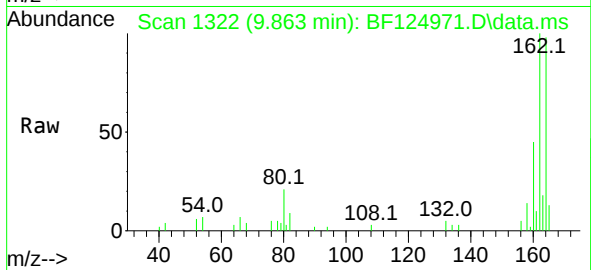




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

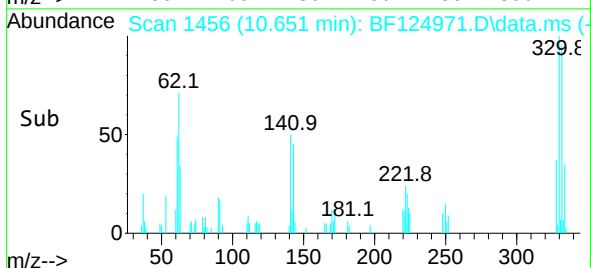
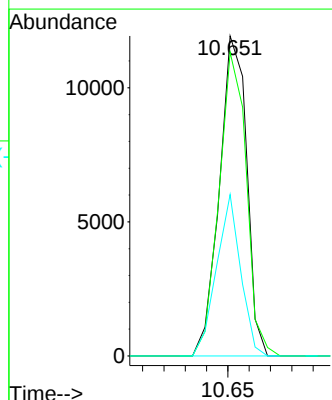
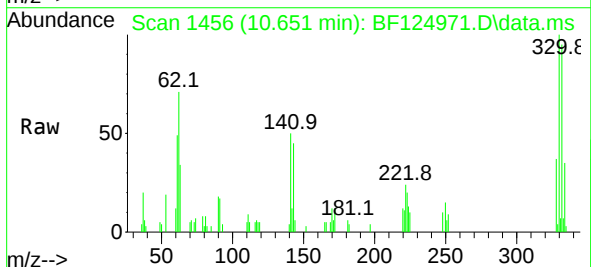
Instrument :
BNA_F
ClientSampleId :
TWP02

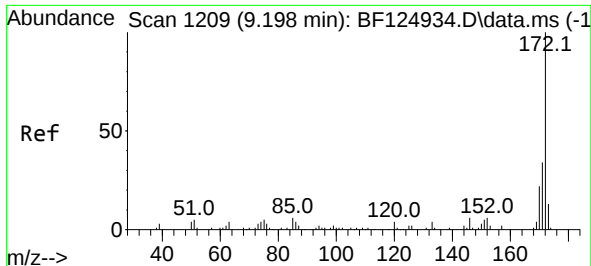
Tgt Ion:164 Resp: 11828
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 45.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 100.302 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:330 Resp: 10599
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 44.8 44.6 66.8

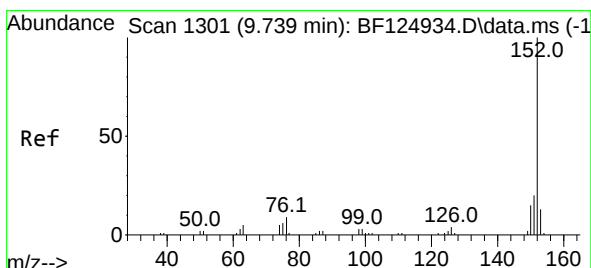
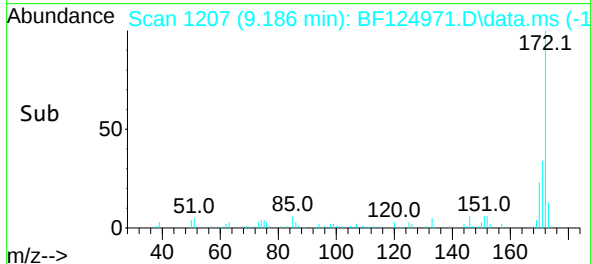
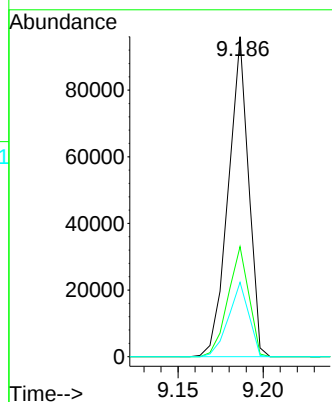
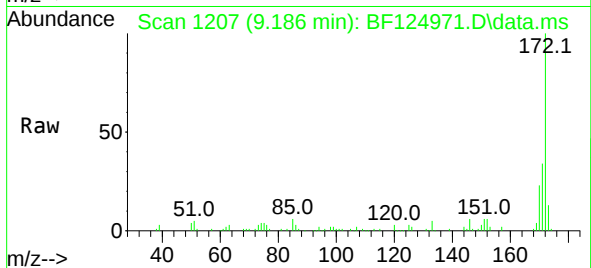




#45
2-Fluorobiphenyl
Concen: 98.610 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

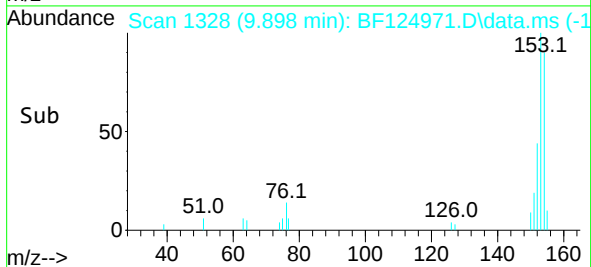
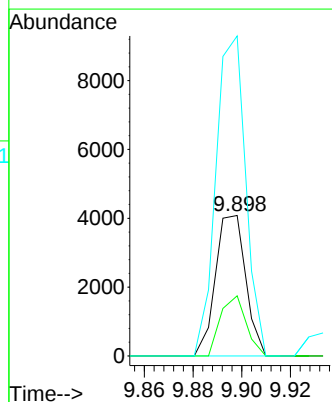
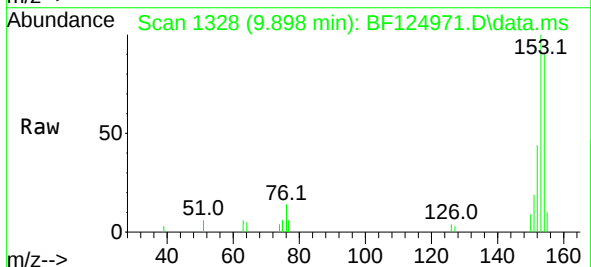
Instrument :
BNA_F
ClientSampleId :
TWP02

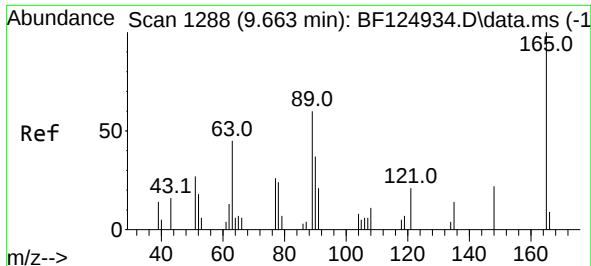
Tgt Ion:172 Resp: 79711
Ion Ratio Lower Upper
172 100
171 34.4 26.5 39.7
170 23.2 18.8 28.2



#49
Acenaphthylene
Concen: 3.311 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.165 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:152 Resp: 3527
Ion Ratio Lower Upper
152 100
151 42.9 15.7 23.5#
153 227.9 9.8 14.8#

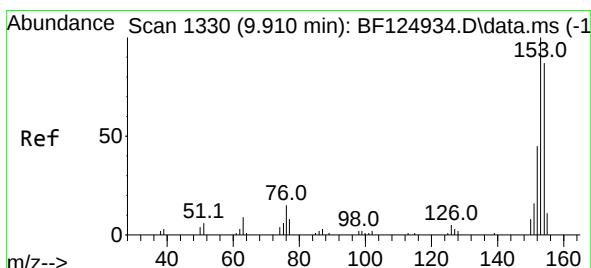
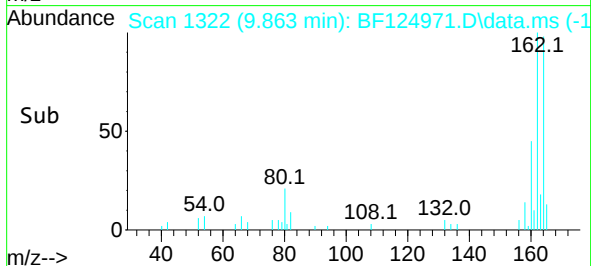
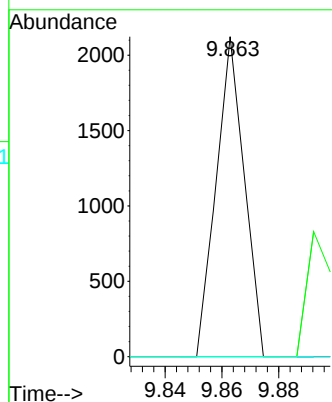
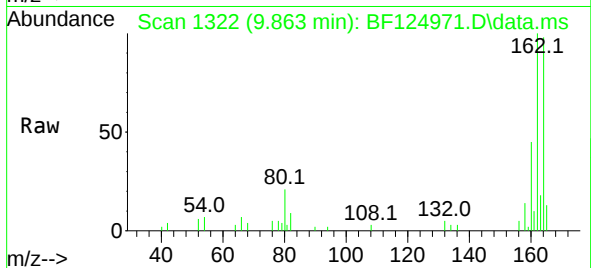




#51
2,6-Dinitrotoluene
Concen: 8.163 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.206 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

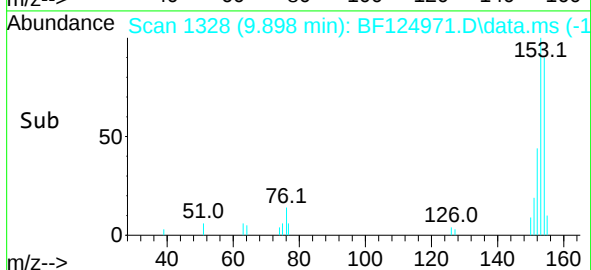
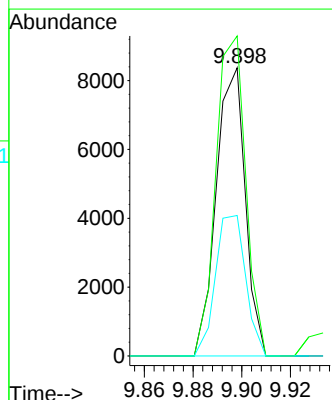
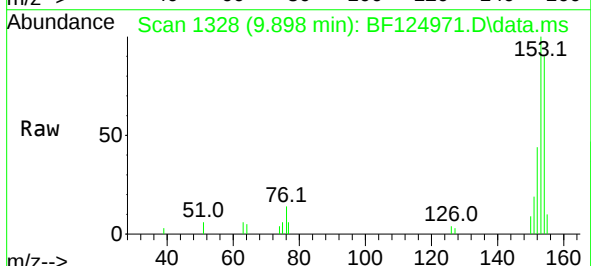
Instrument :
BNA_F
ClientSampled :
TWP02

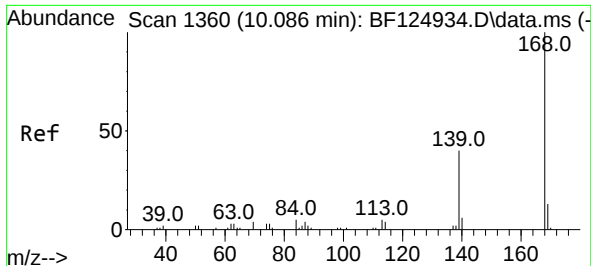
Tgt Ion:165 Resp: 1457
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#52
Acenaphthene
Concen: 10.744 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:154 Resp: 6938
Ion Ratio Lower Upper
154 100
153 111.1 89.4 134.2
152 48.7 40.5 60.7

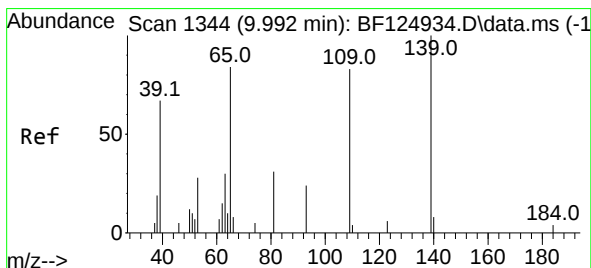
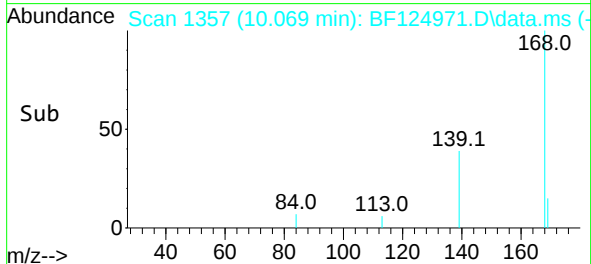
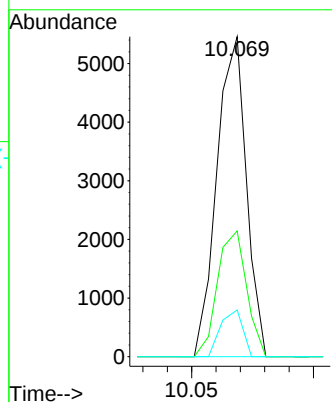
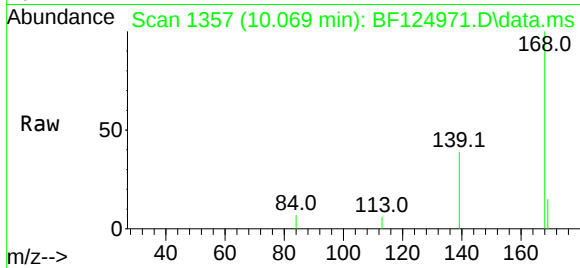




#55
Dibenzenofuran
Concen: 4.544 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

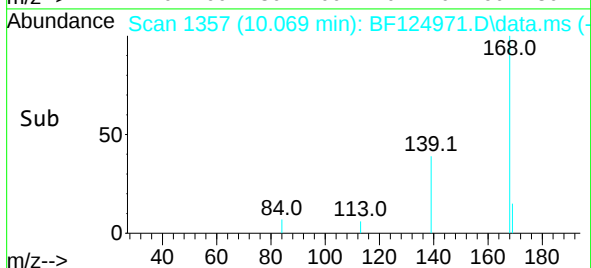
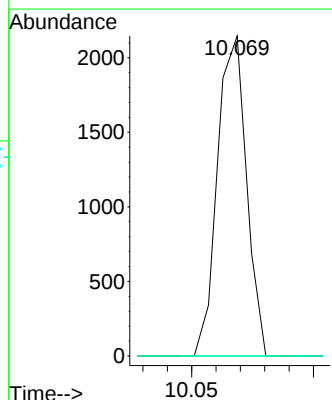
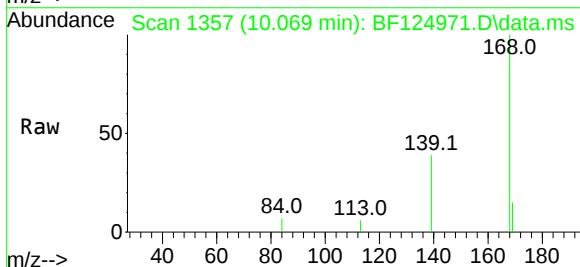
Instrument :
BNA_F
ClientSampleId :
TWP02

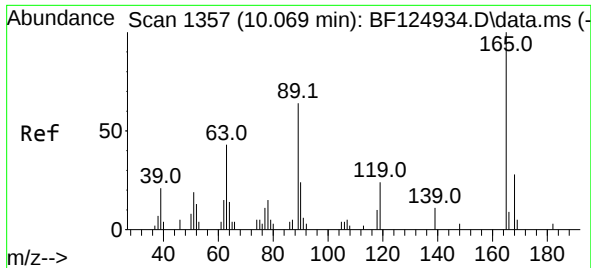
Tgt Ion:168 Resp: 4586
Ion Ratio Lower Upper
168 100
139 39.3 32.7 49.1
169 14.6 11.2 16.8



#56
4-Nitrophenol
Concen: 14.364 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.088 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

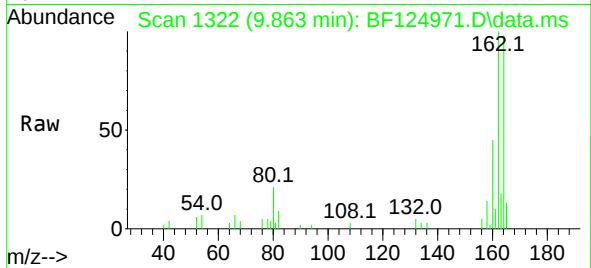
Tgt Ion:139 Resp: 1780
Ion Ratio Lower Upper
139 100
109 0.0 60.4 100.4#
65 0.0 58.4 98.4#



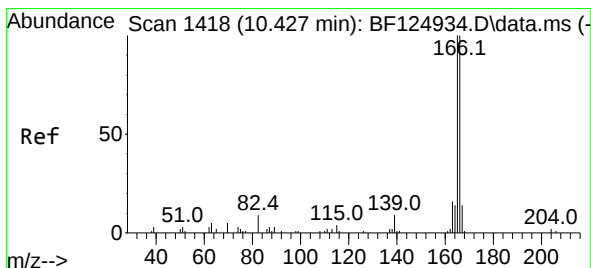
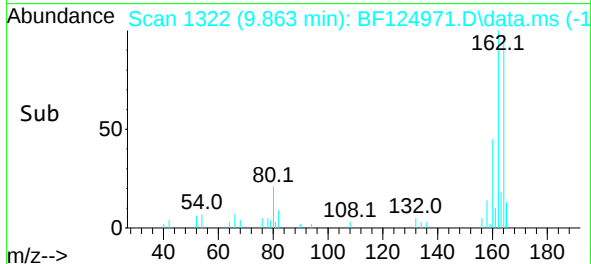
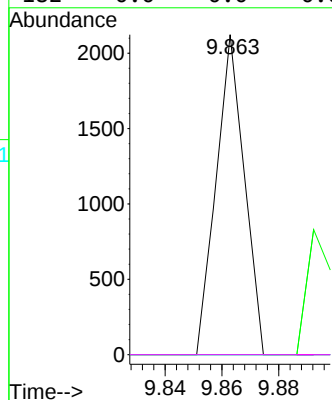


#57
2,4-Dinitrotoluene
Concen: 6.013 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.194 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Instrument :
BNA_F
ClientSampled :
TWP02

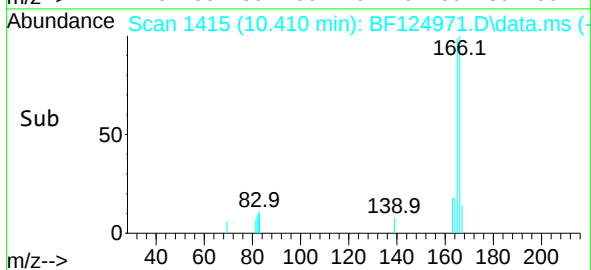
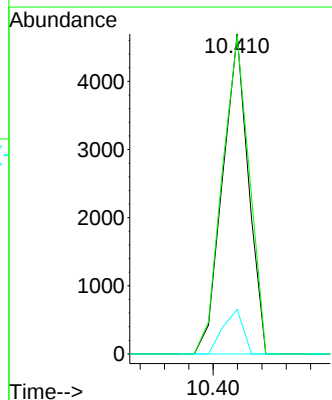
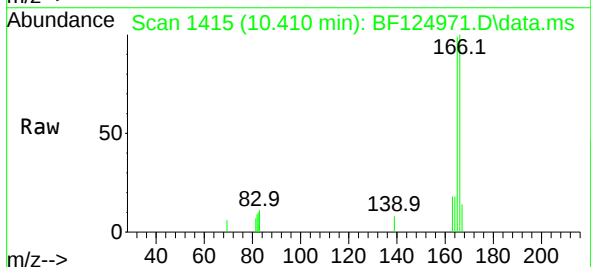


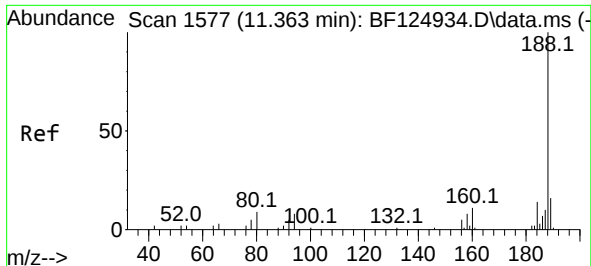
Tgt Ion:165 Resp: 1457
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 4.451 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:166 Resp: 3444
Ion Ratio Lower Upper
166 100
165 99.2 78.1 117.1
167 14.0 11.1 16.7

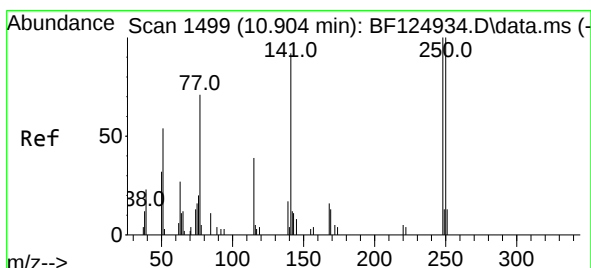
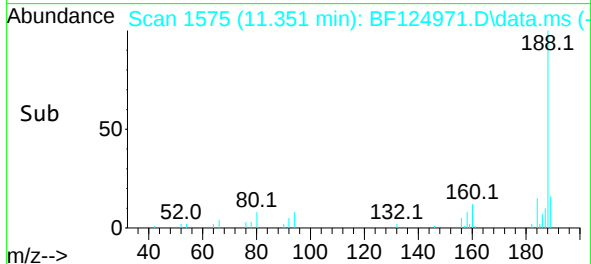
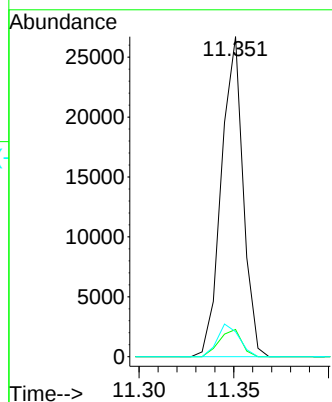
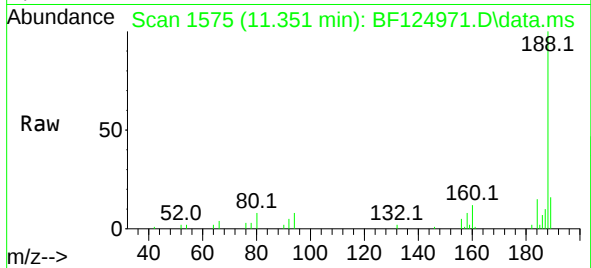




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

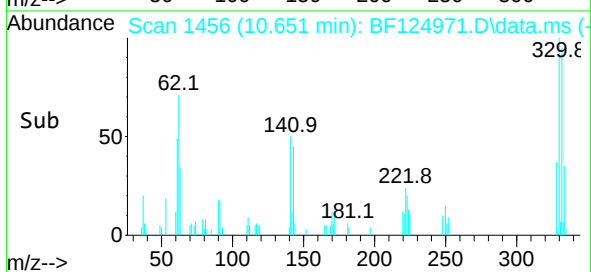
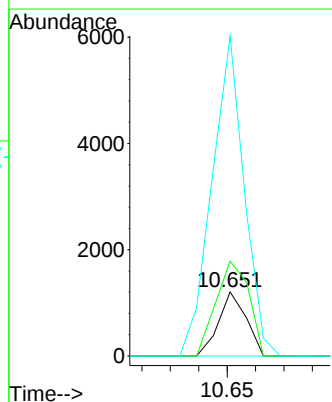
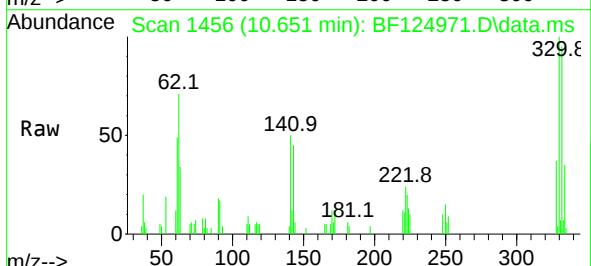
Instrument :
BNA_F
ClientSampleId :
TWP02

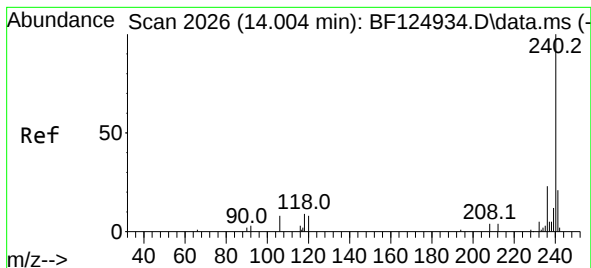
Tgt Ion:188 Resp: 21275
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 7.8 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.485 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.247 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

Tgt Ion:248 Resp: 812
Ion Ratio Lower Upper
248 100
250 148.3 74.2 111.4#
141 499.8 60.4 90.6#

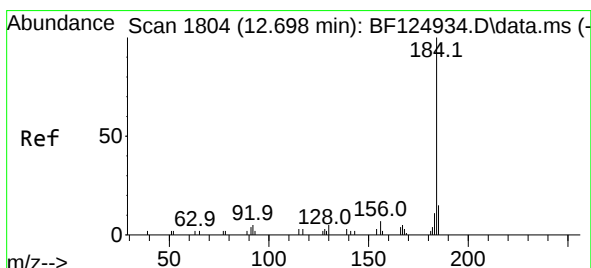
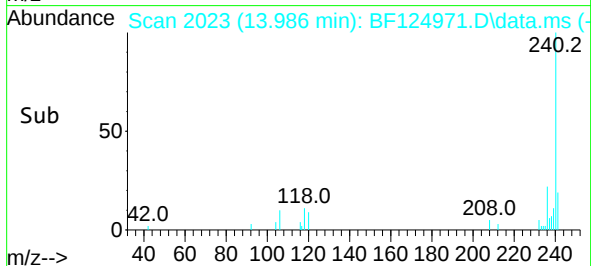
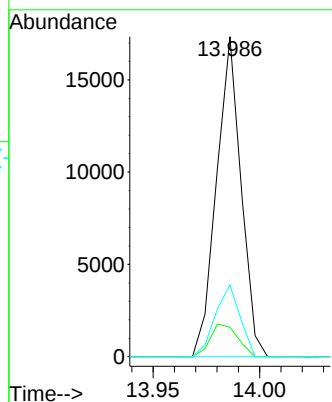
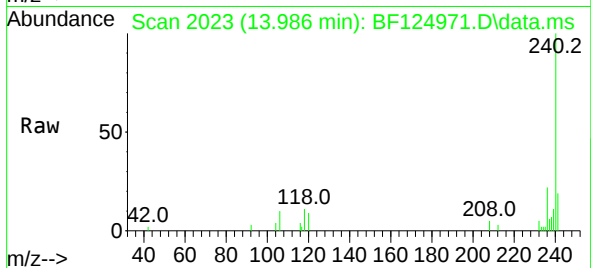




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

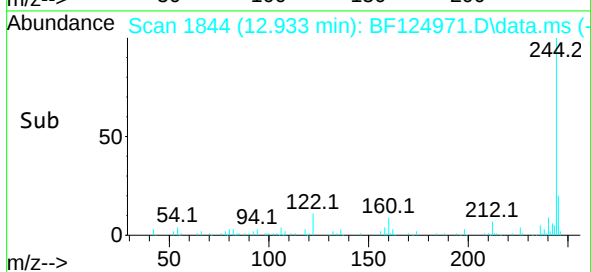
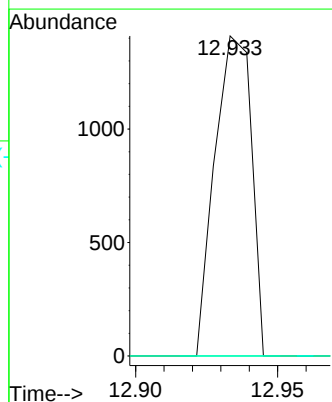
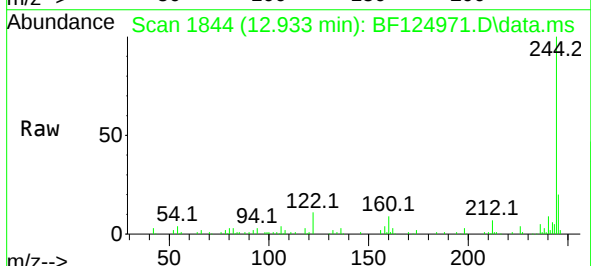
Instrument :
BNA_F
ClientSampleId :
TWP02

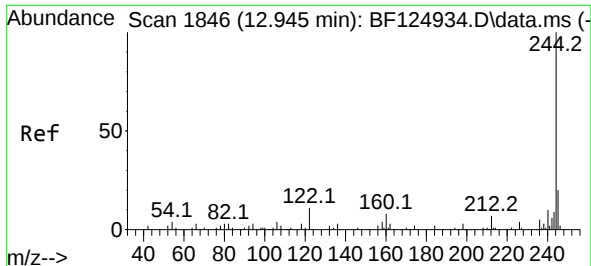
Tgt Ion:240 Resp: 13868
Ion Ratio Lower Upper
240 100
120 9.2 10.8 16.2#
236 22.4 21.6 32.4



#77
Benzidine
Concen: 3.409 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.247 min
Lab File: BF124971.D
Acq: 7 Aug 2021 13:03

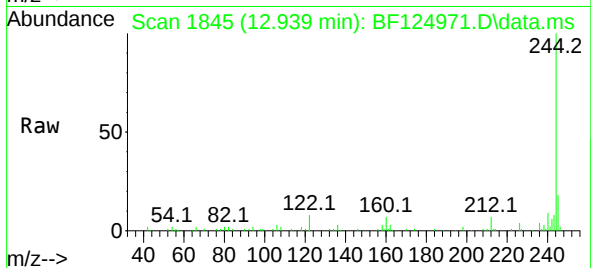
Tgt Ion:184 Resp: 1265
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#



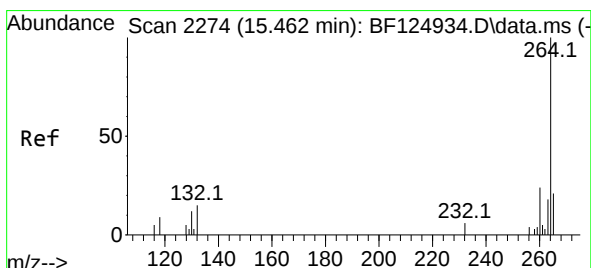
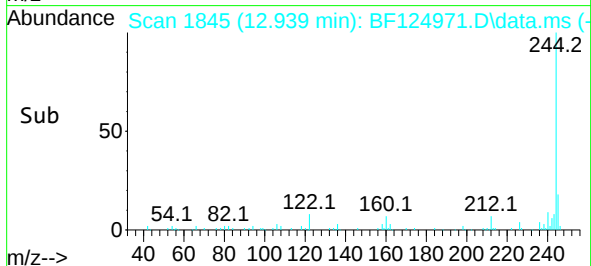
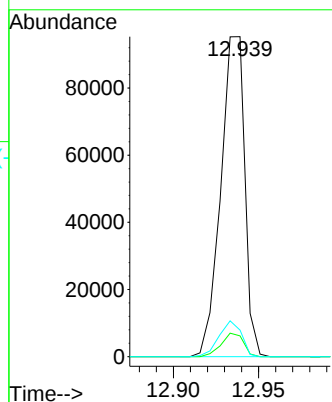


#79
 Terphenyl-d14
 Concen: 113.687 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: BF124971.D
 Acq: 7 Aug 2021 13:03

Instrument :
 BNA_F
 ClientSampled :
 TWP02



Tgt Ion:244 Resp: 93466
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 8.3 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. 0.000 min
 Lab File: BF124971.D
 Acq: 7 Aug 2021 13:03

Tgt Ion:264 Resp: 12828
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.6 29.4
 265 20.0 17.2 25.8

