

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129698.D
 Acq On : 10 Aug 2022 16:37
 Operator : CG\JU
 Sample : N3971-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-30

Quant Time: Aug 10 17:49:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

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

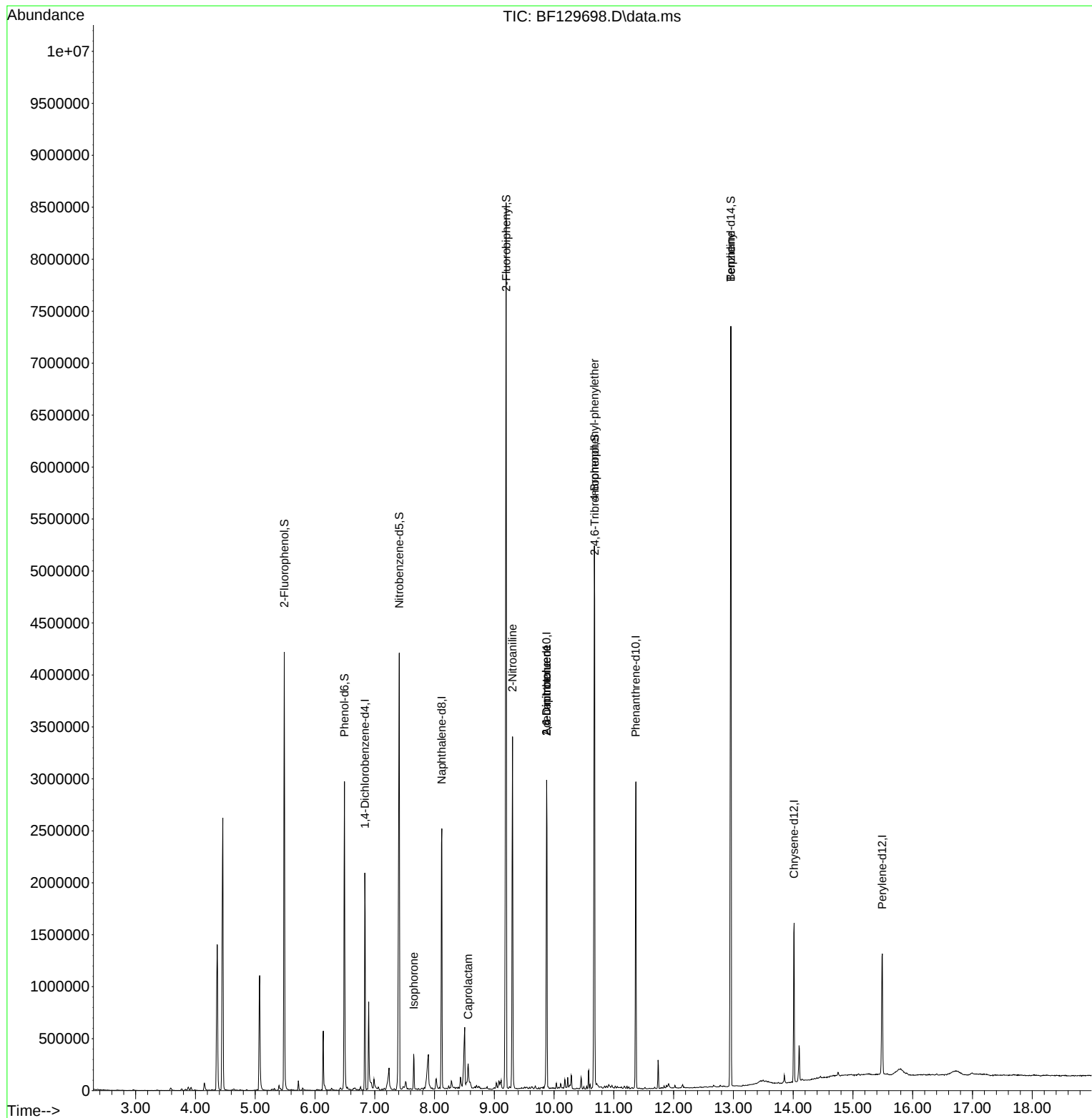
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	301264	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	1189657	20.000	ng	#-0.01
39) Acenaphthene-d10	9.875	164	629835	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	1023346	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	524705	20.000	ng	-0.01
86) Perylene-d12	15.492	264	535955	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1163687	62.923	ng	0.00
7) Phenol-d6	6.492	99	952693	40.984	ng	-0.01
23) Nitrobenzene-d5	7.410	82	1699636	77.989	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	750866	124.000	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	2951734	72.498	ng	-0.01
79) Terphenyl-d14	12.957	244	2777691	99.872	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.651	82	109625	2.806	ng	98
35) Caprolactam	8.563	113	42943	7.706	ng	# 76
48) 2-Nitroaniline	9.304	65	53699	4.346	ng	# 18
51) 2,6-Dinitrotoluene	9.875	165	81533	8.378	ng	# 26
57) 2,4-Dinitrotoluene	9.875	165	81533	6.413	ng	# 22
67) 4-Bromophenyl-phenylether	10.675	248	46738	4.171	ng	# 1
77) Benzidine	12.957	184	38504	2.077	ng	# 93

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

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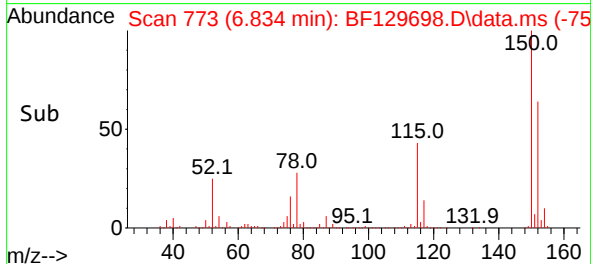
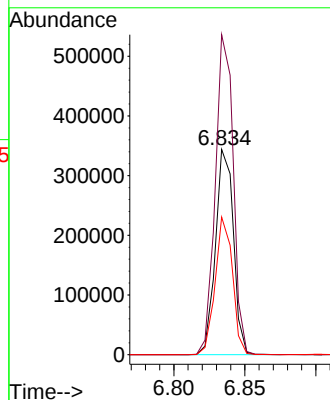
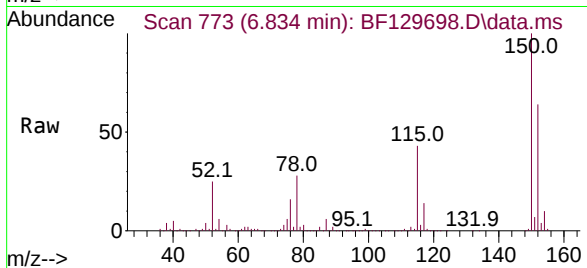




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

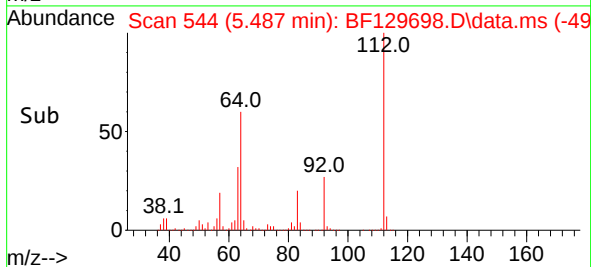
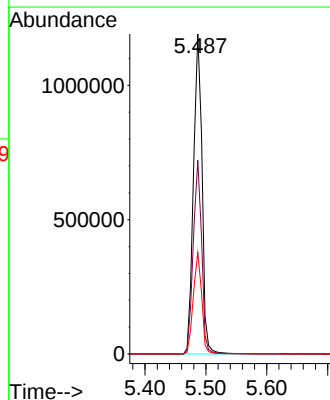
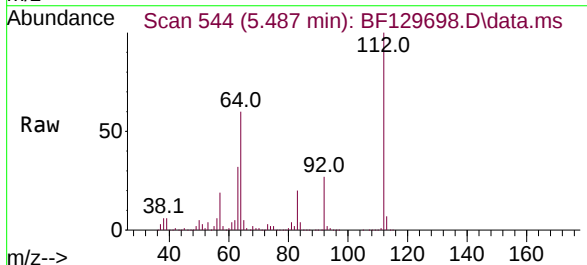
Instrument :
BNA_F
ClientSampleId :
MW-30

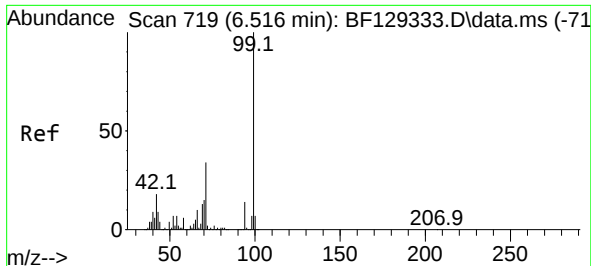
Tgt Ion:152 Resp: 301264
Ion Ratio Lower Upper
152 100
150 155.9 123.7 185.5
115 67.1 49.9 74.9



#5
2-Fluorophenol
Concen: 62.923 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

Tgt Ion:112 Resp: 1163687
Ion Ratio Lower Upper
112 100
64 60.5 53.3 79.9
63 31.7 28.0 42.0





#7

Phenol-d6

Concen: 40.984 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF129698.D

Acq: 10 Aug 2022 16:37

Instrument :

BNA_F

ClientSampleId :

MW-30

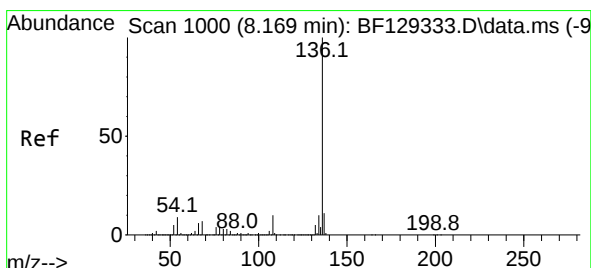
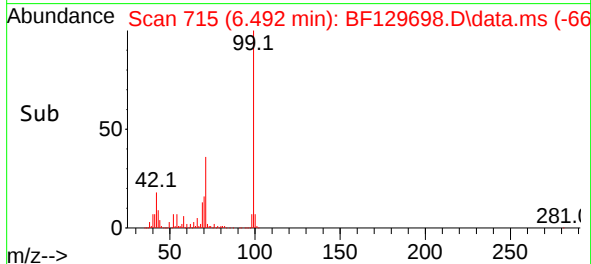
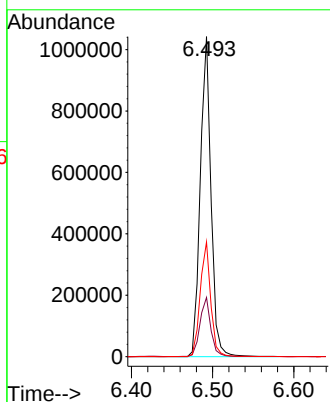
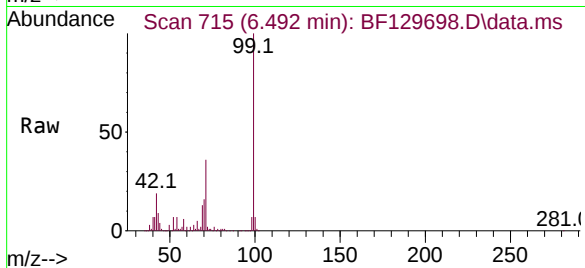
Tgt Ion: 99 Resp: 952693

Ion Ratio Lower Upper

99 100

42 18.5 17.3 25.9

71 35.9 28.9 43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 992

Delta R.T. -0.012 min

Lab File: BF129698.D

Acq: 10 Aug 2022 16:37

Tgt Ion: 136 Resp: 1189657

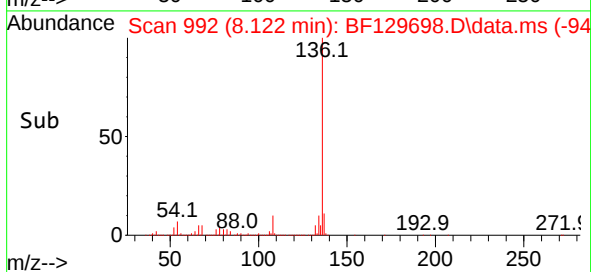
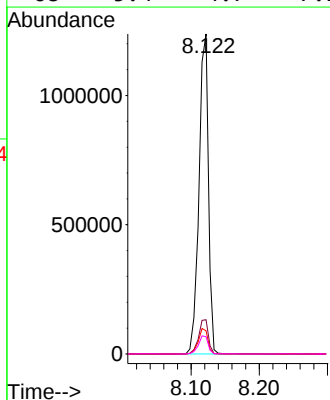
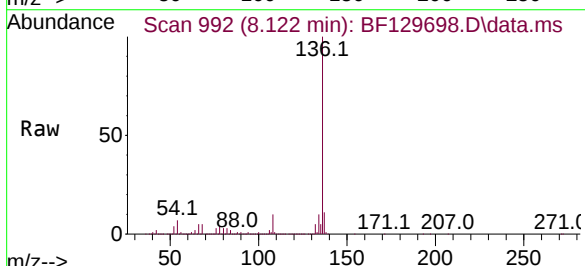
Ion Ratio Lower Upper

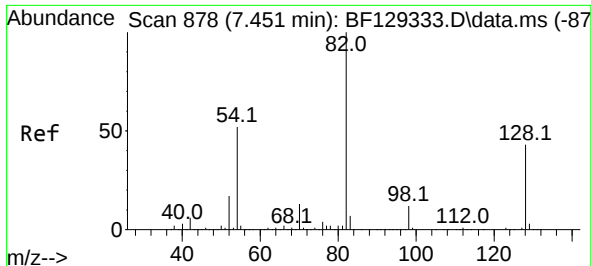
136 100

137 10.7 8.8 13.2

54 7.3 7.5 11.3#

68 5.4 4.7 7.1





#23

Nitrobenzene-d5

Concen: 77.989 ng

RT: 7.410 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129698.D

Acq: 10 Aug 2022 16:37

Instrument :

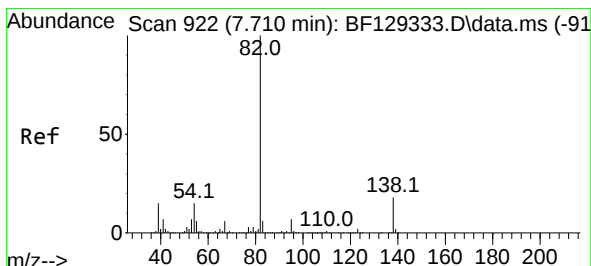
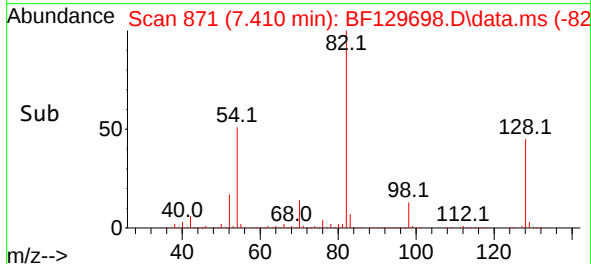
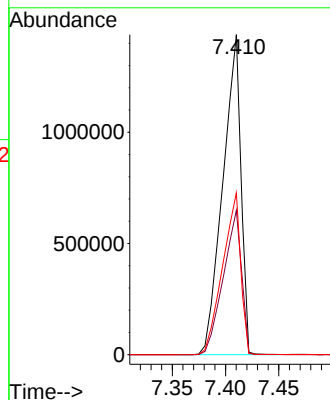
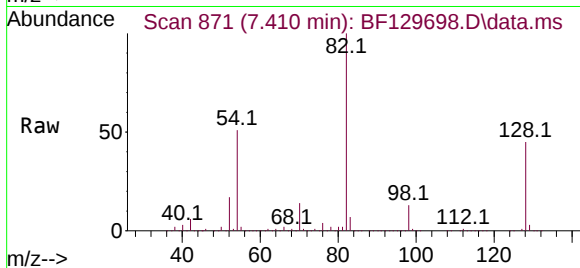
BNA_F

ClientSampleId :

MW-30

Tgt Ion: 82 Resp: 1699636

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	50.5	46.9	70.3



#25

Isophorone

Concen: 2.806 ng

RT: 7.651 min Scan# 912

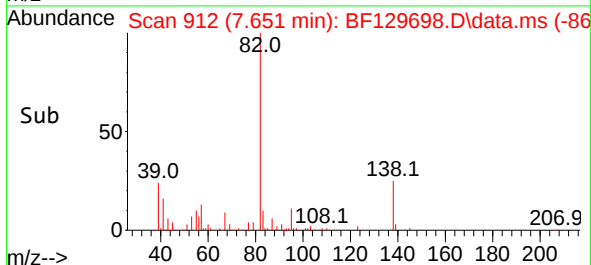
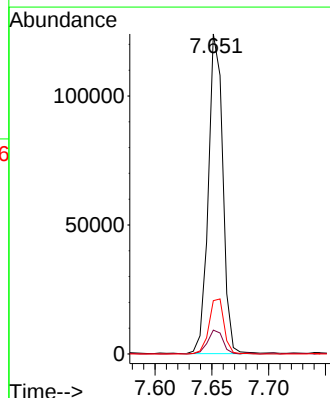
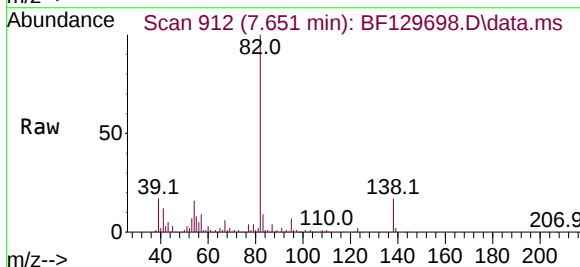
Delta R.T. -0.029 min

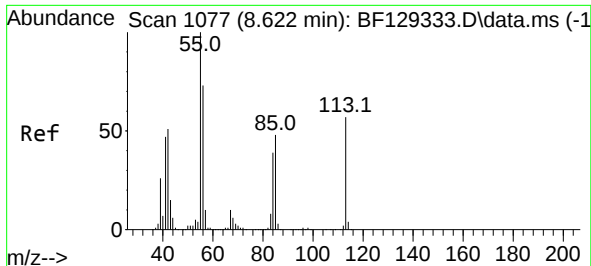
Lab File: BF129698.D

Acq: 10 Aug 2022 16:37

Tgt Ion: 82 Resp: 109625

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.7	8.5
138	16.7	14.2	21.2

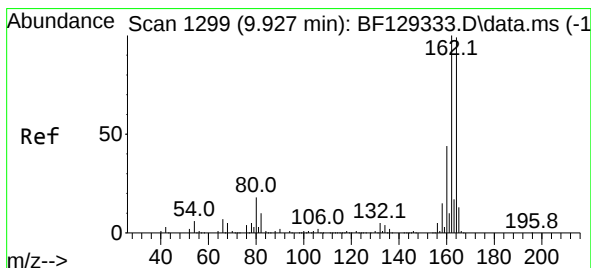
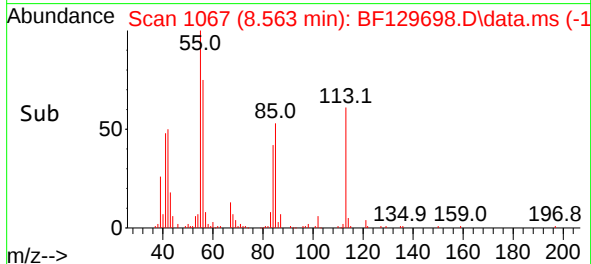
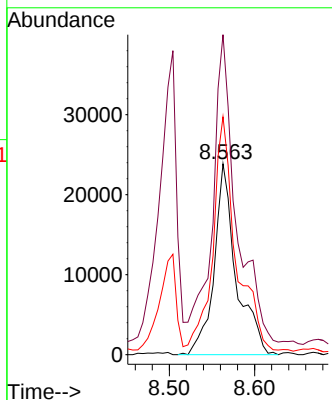
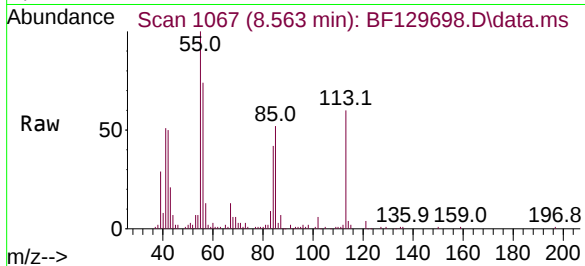




#35
 Caprolactam
 Concen: 7.706 ng
 RT: 8.563 min Scan# 1077
 Delta R.T. -0.041 min
 Lab File: BF129698.D
 Acq: 10 Aug 2022 16:37

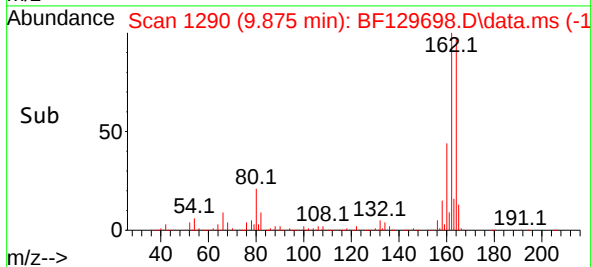
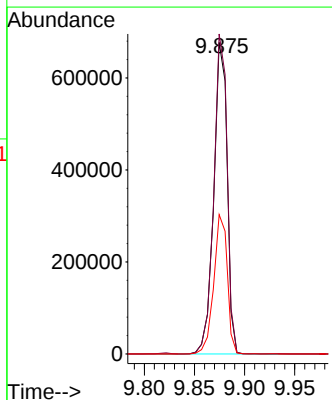
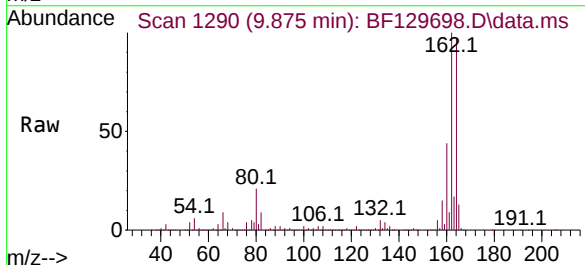
Instrument :
 BNA_F
 ClientSampleId :
 MW-30

Tgt Ion:113 Resp: 42943
 Ion Ratio Lower Upper
 113 100
 55 167.6 188.5 228.5#
 56 124.6 130.6 170.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.875 min Scan# 1290
 Delta R.T. -0.018 min
 Lab File: BF129698.D
 Acq: 10 Aug 2022 16:37

Tgt Ion:164 Resp: 629835
 Ion Ratio Lower Upper
 164 100
 162 102.7 79.5 119.3
 160 44.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 124.000 ng

RT: 10.680 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129698.D

Acq: 10 Aug 2022 16:37

Instrument :

BNA_F

ClientSampleId :

MW-30

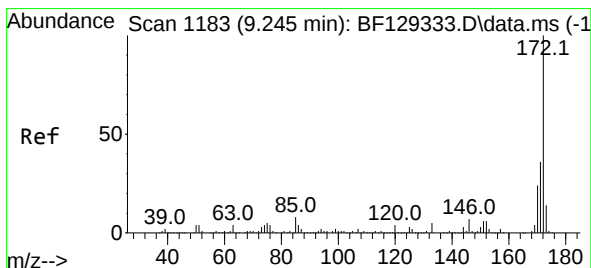
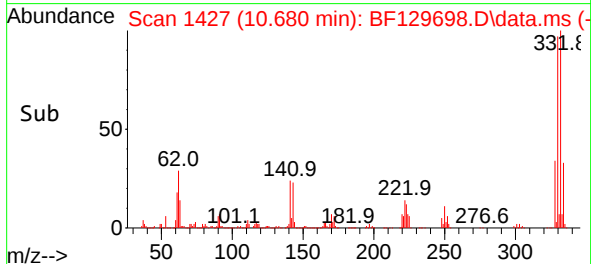
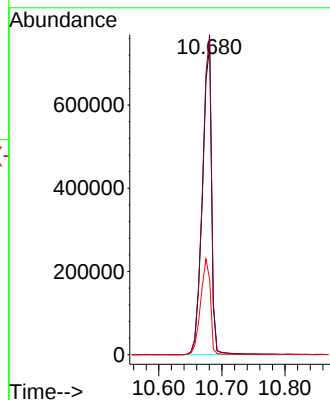
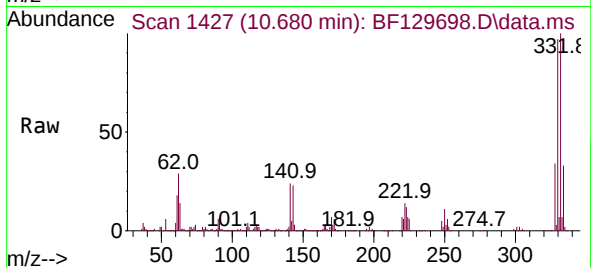
Tgt Ion:330 Resp: 750866

Ion Ratio Lower Upper

330 100

332 103.0 76.8 115.2

141 33.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 72.498 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129698.D

Acq: 10 Aug 2022 16:37

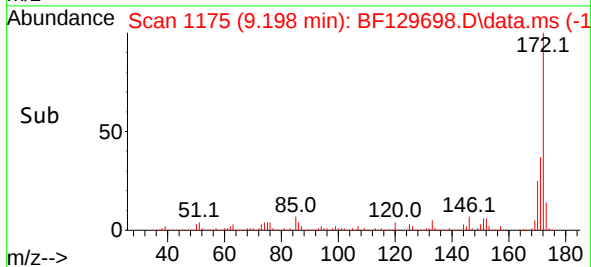
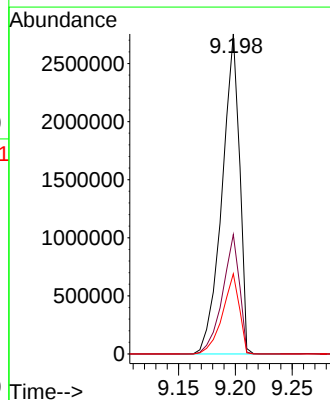
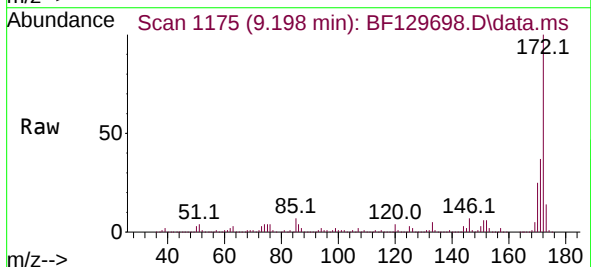
Tgt Ion:172 Resp: 2951734

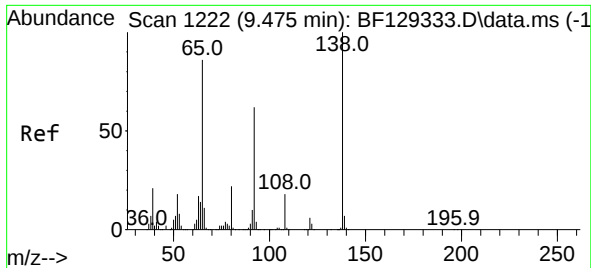
Ion Ratio Lower Upper

172 100

171 37.3 28.8 43.2

170 25.0 19.8 29.8

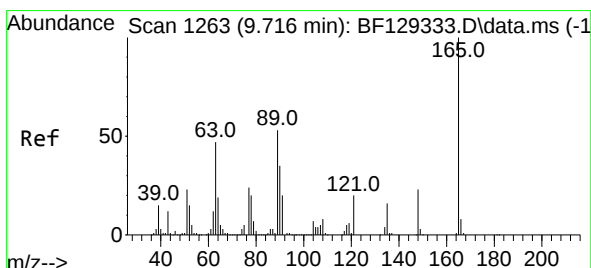
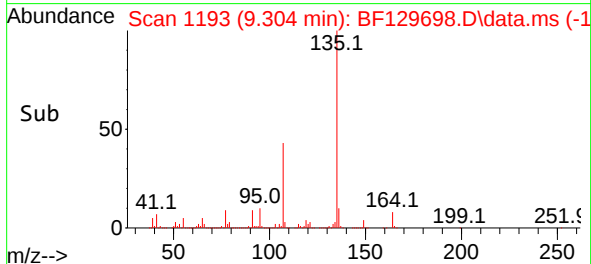
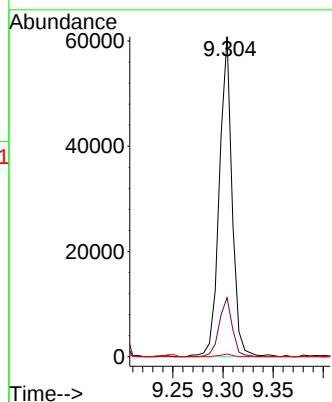
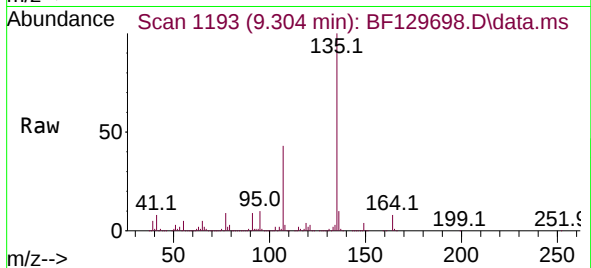




#48
2-Nitroaniline
Concen: 4.346 ng
RT: 9.304 min Scan# 1193
Delta R.T. -0.141 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

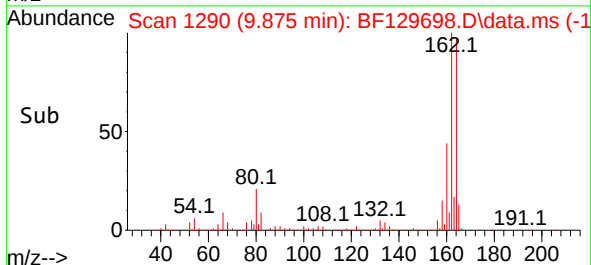
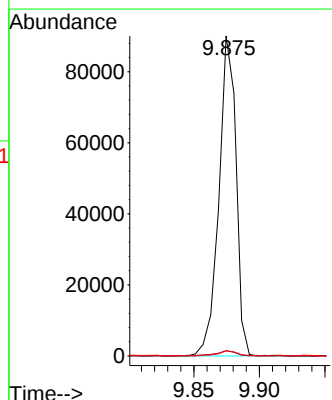
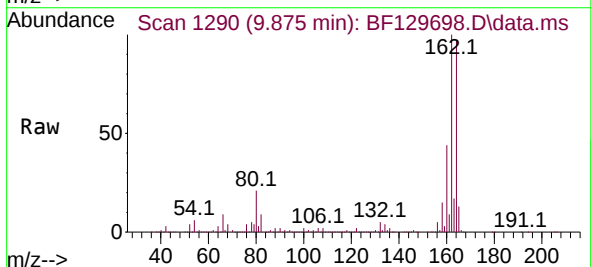
Instrument :
BNA_F
ClientSampleId :
MW-30

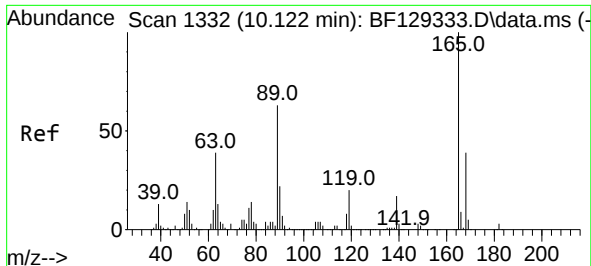
Tgt Ion: 65 Resp: 53699
Ion Ratio Lower Upper
65 100
92 18.4 51.9 77.9#
138 0.9 76.4 114.6#



#51
2,6-Dinitrotoluene
Concen: 8.378 ng
RT: 9.875 min Scan# 1290
Delta R.T. 0.194 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

Tgt Ion:165 Resp: 81533
Ion Ratio Lower Upper
165 100
63 1.6 44.9 67.3#
89 1.6 43.6 65.4#

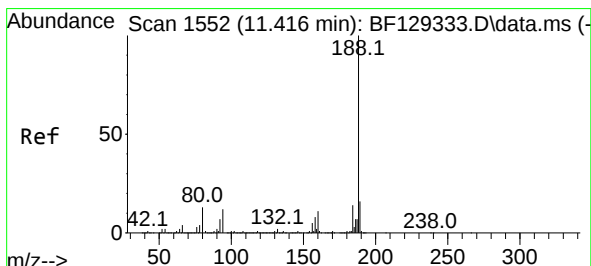
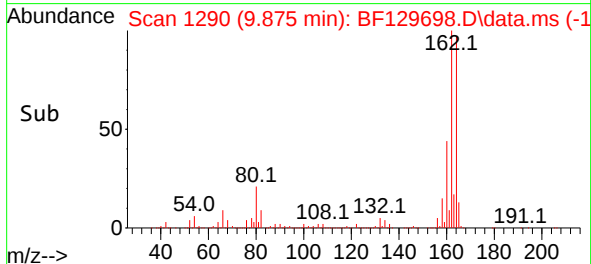
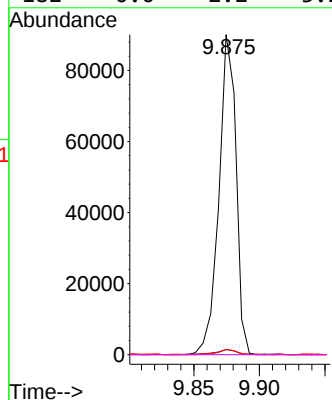
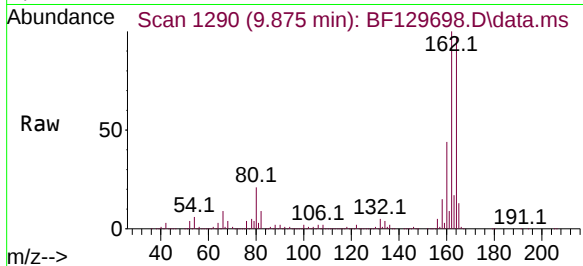




#57
2,4-Dinitrotoluene
Concen: 6.413 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

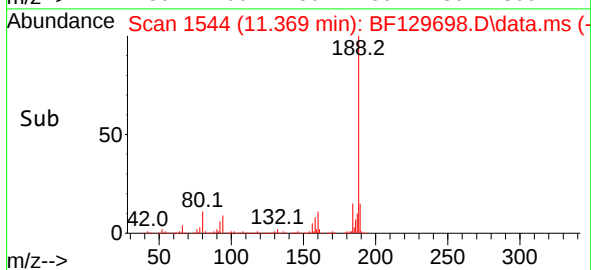
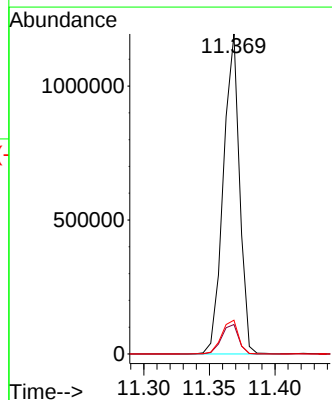
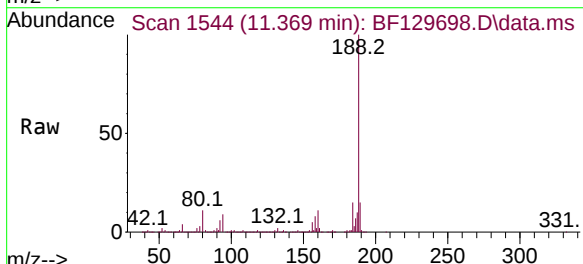
Instrument :
BNA_F
ClientSampleId :
MW-30

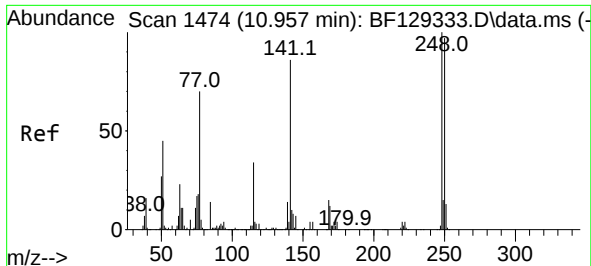
Tgt Ion:	165	Resp:	81533
Ion Ratio	Lower	Upper	
165	100		
63	1.6	39.8	59.6#
89	1.6	60.2	90.2#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

Tgt Ion:	188	Resp:	1023346
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.0	10.6
80	10.5	7.6	11.4

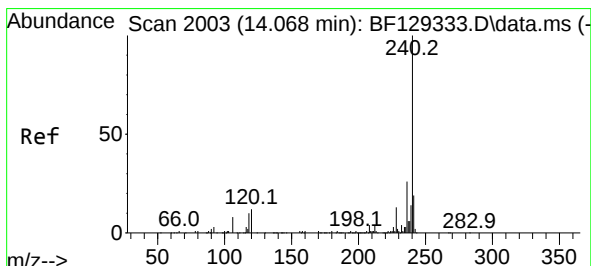
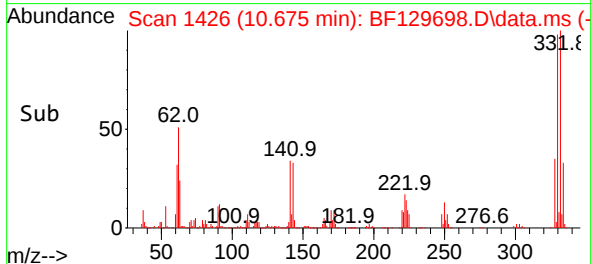
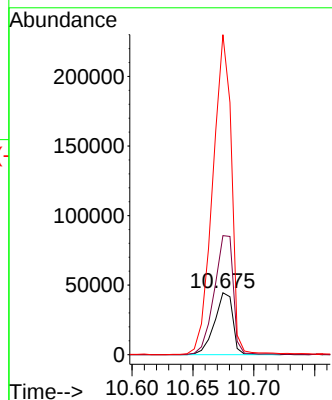
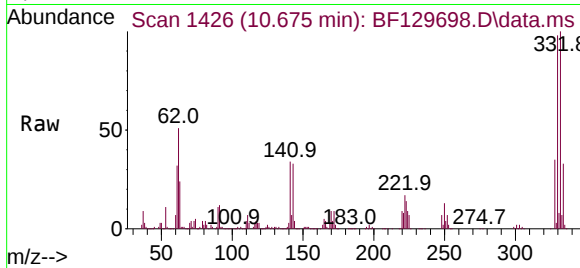




#67
4-Bromophenyl-phenylether
Concen: 4.171 ng
RT: 10.675 min Scan# 1474
Delta R.T. -0.247 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

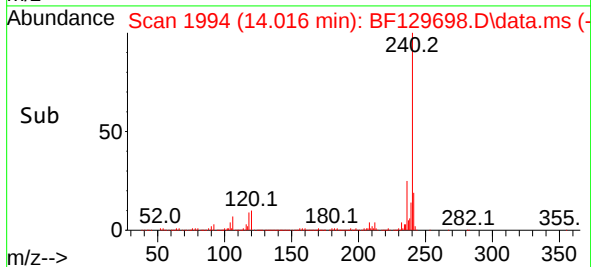
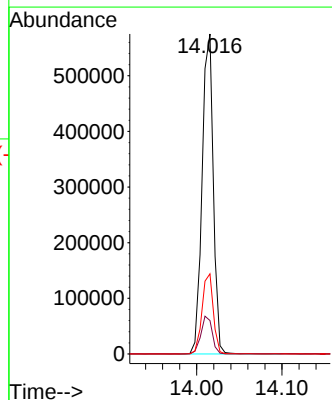
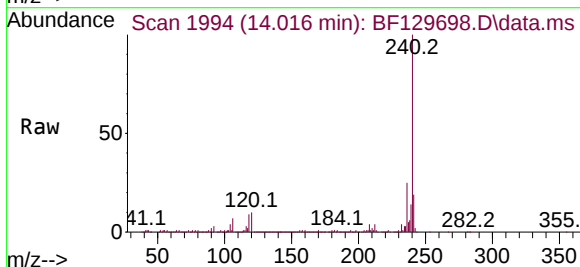
Instrument :
BNA_F
ClientSampleId :
MW-30

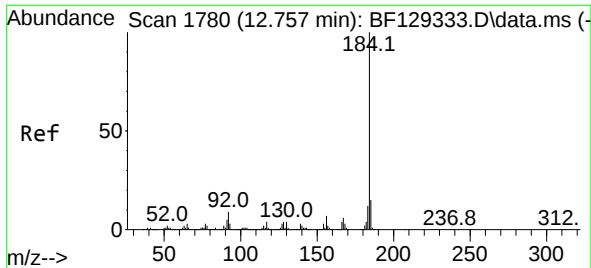
Tgt Ion:248 Resp: 46738
Ion Ratio Lower Upper
248 100
250 192.4 80.6 120.8#
141 516.9 58.9 88.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

Tgt Ion:240 Resp: 524705
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.0 20.8 31.2

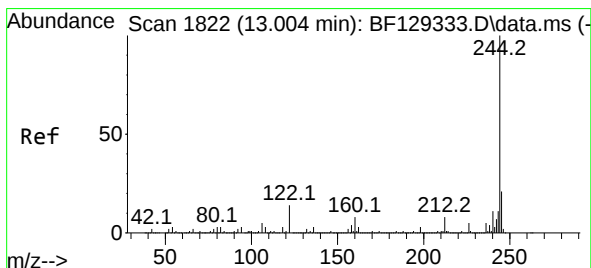
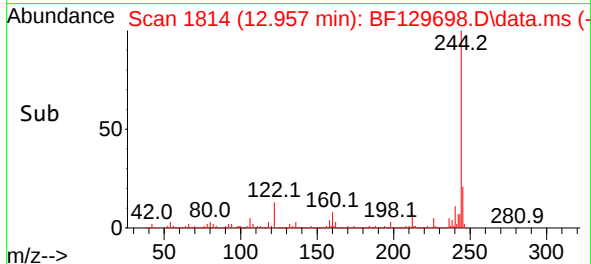
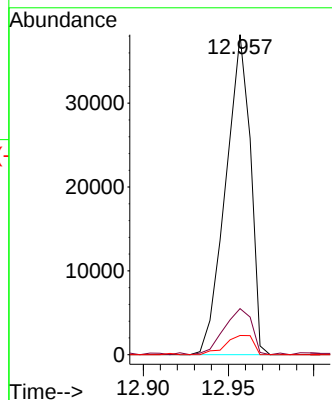
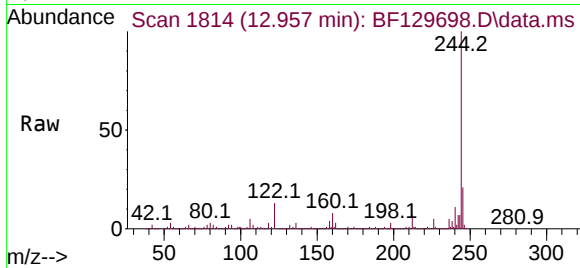




#77
Benzidine
Concen: 2.077 ng
RT: 12.957 min Scan# 1814
Delta R.T. 0.235 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

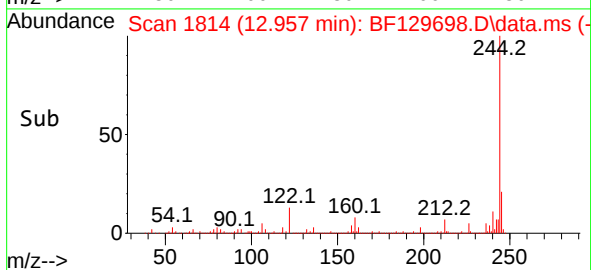
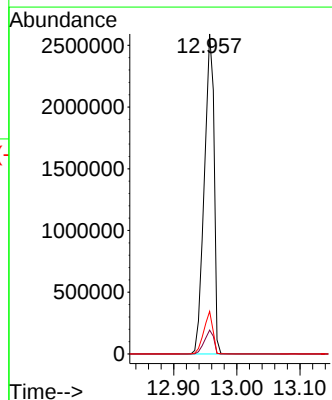
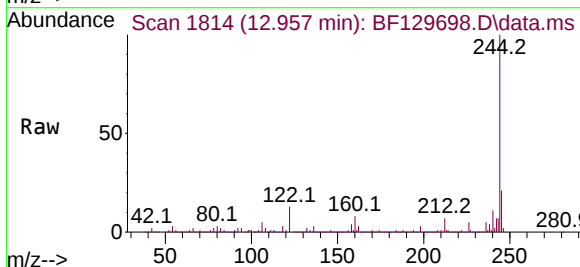
Instrument :
BNA_F
ClientSampleId :
MW-30

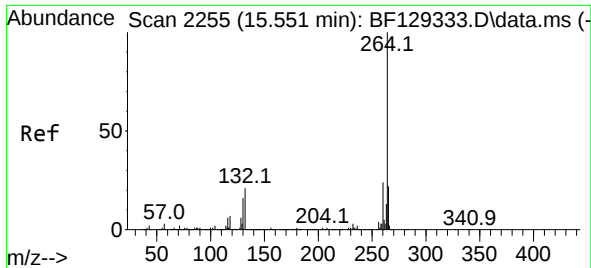
Tgt Ion:184 Resp: 38504
Ion Ratio Lower Upper
184 100
185 14.4 11.9 17.9
183 6.0 9.3 13.9#



#79
Terphenyl-d14
Concen: 99.872 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129698.D
Acq: 10 Aug 2022 16:37

Tgt Ion:244 Resp: 2777691
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 13.3 8.8 13.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF129698.D
 Acq: 10 Aug 2022 16:37

Instrument :
 BNA_F
 ClientSampleId :
 MW-30

Tgt Ion:264 Resp: 535955
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.4 27.6
 265 20.5 17.2 25.8

