

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081522\
 Data File : BF129791.D
 Acq On : 15 Aug 2022 20:47
 Operator : CG\JU
 Sample : N4200-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S9

Quant Time: Aug 16 03:18:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	157309	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	647195	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	359086	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	627690	20.000	ng	0.00
76) Chrysene-d12	13.998	240	377764	20.000	ng	0.00
86) Perylene-d12	15.468	264	300509	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	729988	76.832	ng	0.00
7) Phenol-d6	6.475	99	939703	78.980	ng	0.00
23) Nitrobenzene-d5	7.386	82	615494	50.910	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	273984	76.023	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1211334	51.235	ng	0.00
79) Terphenyl-d14	12.939	244	1316058	57.968	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.475	77	1321	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.386	70	81830	10.881	ng	# 76
25) Isophorone	7.386	82	615480	29.578	ng	# 65
32) Benzoic acid	8.104	122	126	2.192	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	46547	8.336	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	46547	6.421	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	17533	2.385	ng	# 1
77) Benzidine	12.933	184	17669	Below Cal	#	90

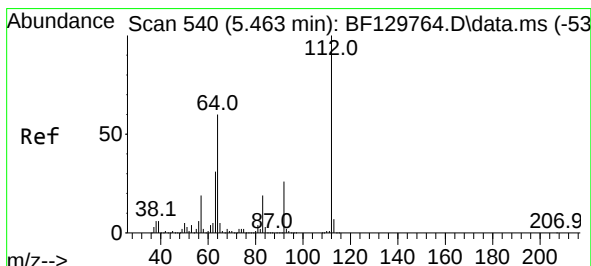
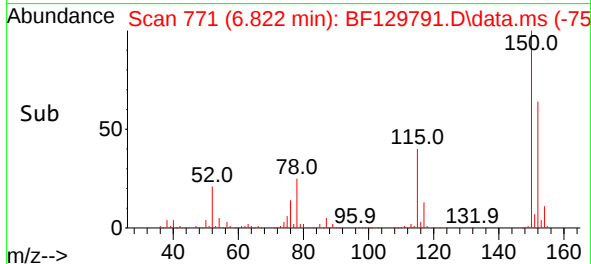
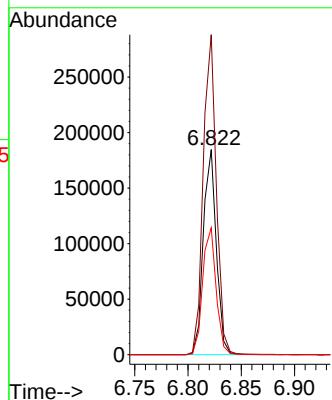
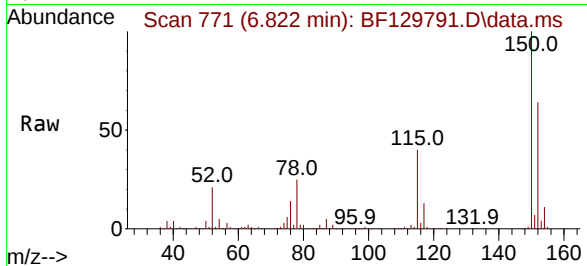
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

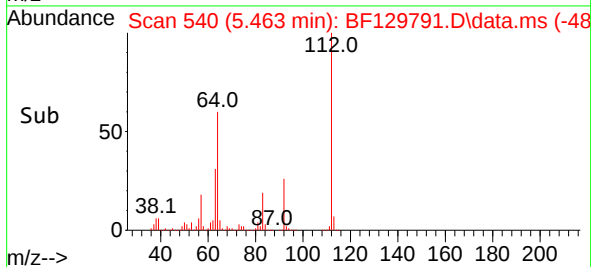
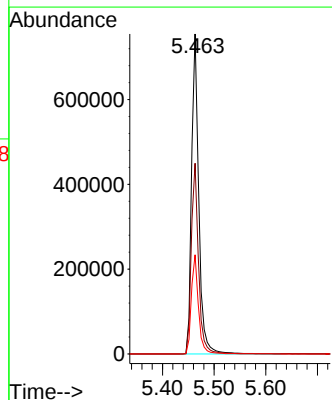
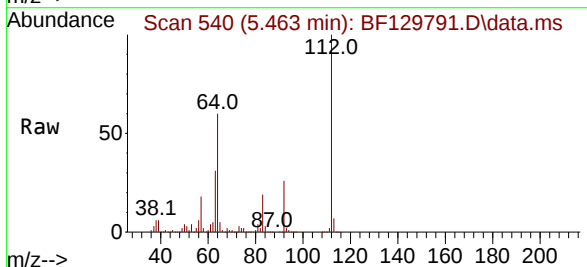
Instrument :
BNA_F
ClientSampleId :
S9

Tgt Ion:152 Resp: 157309
Ion Ratio Lower Upper
152 100
150 156.0 126.9 190.3
115 61.8 53.4 80.0



#5
2-Fluorophenol
Concen: 76.832 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

Tgt Ion:112 Resp: 729988
Ion Ratio Lower Upper
112 100
64 59.6 47.6 71.4
63 31.0 24.6 37.0

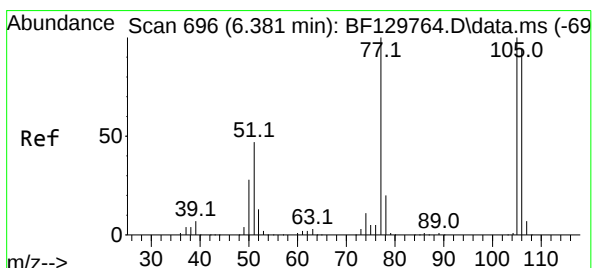
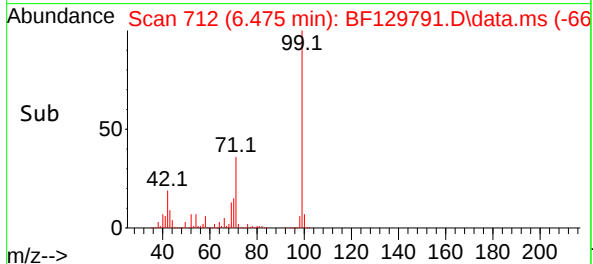
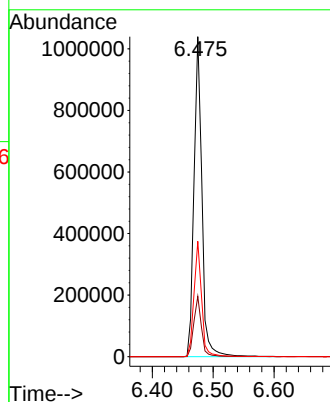
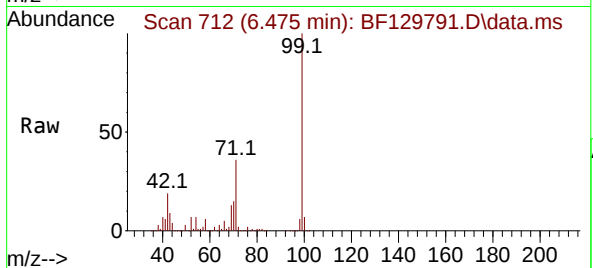




#7
Phenol-d6
Concen: 78.980 ng
RT: 6.475 min Scan# 712
Delta R.T. -0.006 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

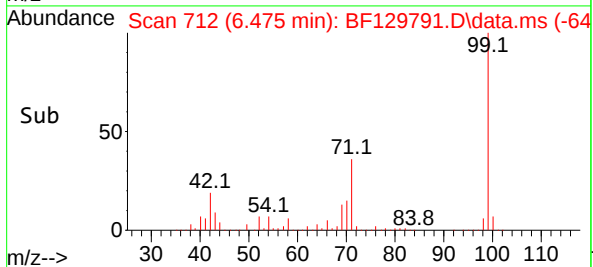
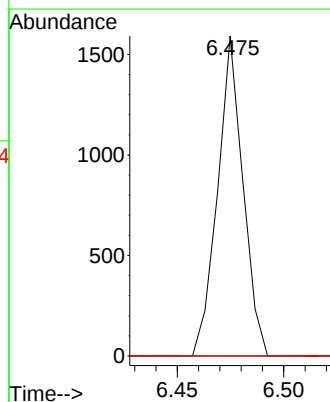
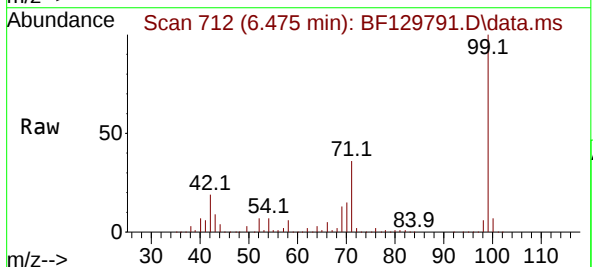
Instrument :
BNA_F
ClientSampleId :
S9

Tgt Ion: 99 Resp: 939703
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 36.1 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.475 min Scan# 712
Delta R.T. 0.094 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

Tgt Ion: 77 Resp: 1321
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#





#19

n-Nitroso-di-n-propylamine

Concen: 10.881 ng

RT: 7.386 min Scan# 81

Delta R.T. 0.147 min

Lab File: BF129791.D

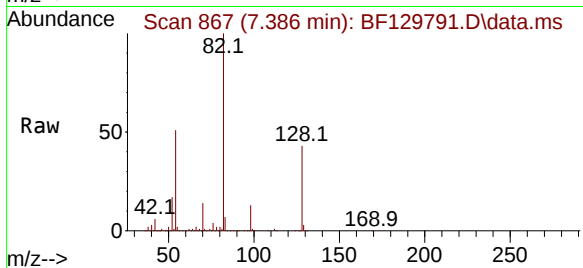
Acq: 15 Aug 2022 20:47

Instrument :

BNA_F

ClientSampleId :

S9



Tgt Ion: 70 Resp: 81830

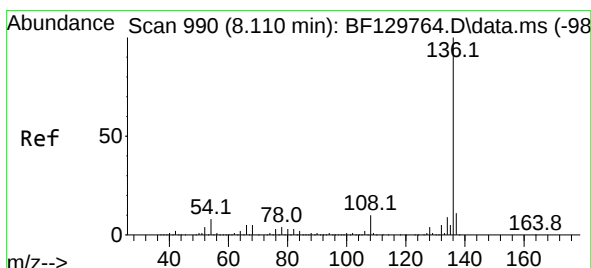
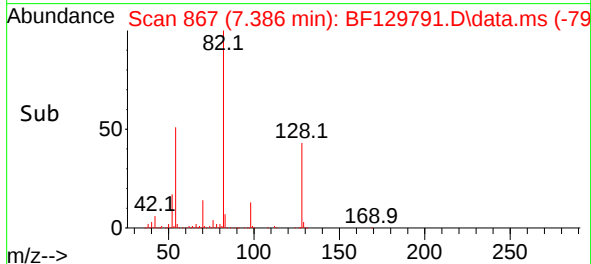
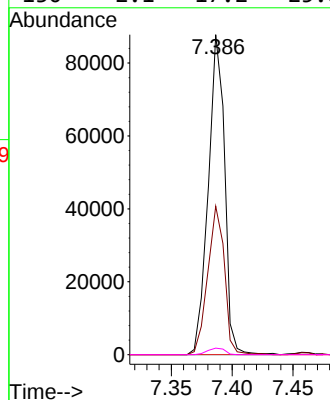
Ion Ratio Lower Upper

70 100

42 46.4 47.6 71.4#

101 0.0 8.1 12.1#

130 2.1 17.2 25.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 989

Delta R.T. -0.006 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

Tgt Ion: 136 Resp: 647195

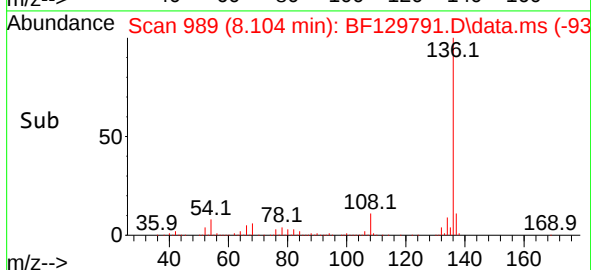
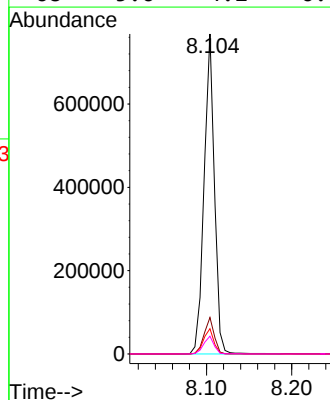
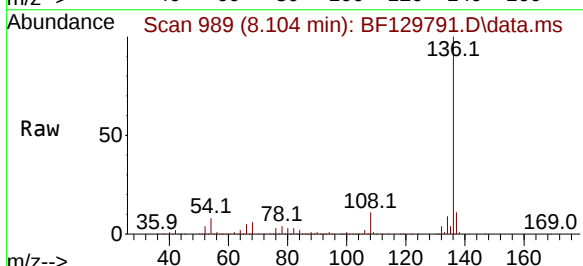
Ion Ratio Lower Upper

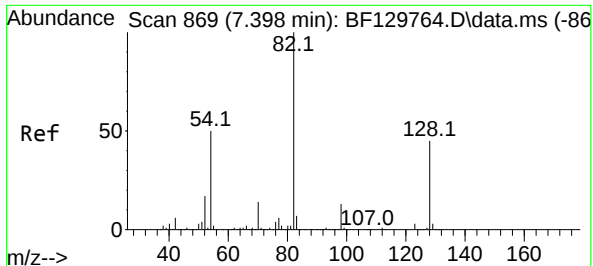
136 100

137 11.4 8.4 12.6

54 7.9 6.2 9.2

68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 50.910 ng

RT: 7.386 min Scan# 867

Delta R.T. -0.012 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

Instrument :

BNA_F

ClientSampleId :

S9

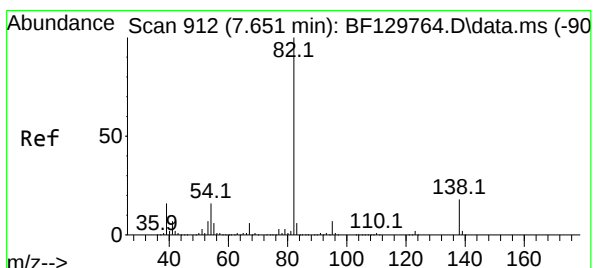
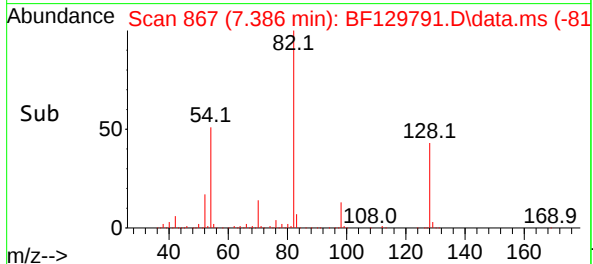
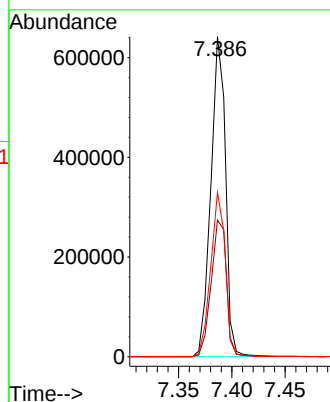
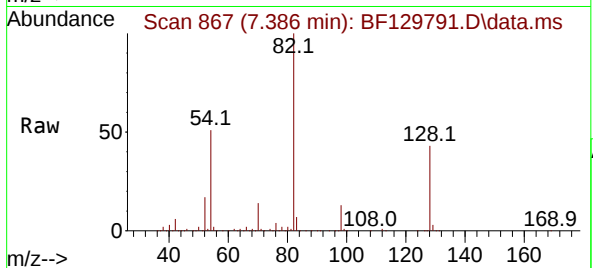
Tgt Ion: 82 Resp: 615494

Ion Ratio Lower Upper

82 100

128 42.7 36.1 54.1

54 51.3 40.0 60.0



#25

Isophorone

Concen: 29.578 ng

RT: 7.386 min Scan# 867

Delta R.T. -0.265 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

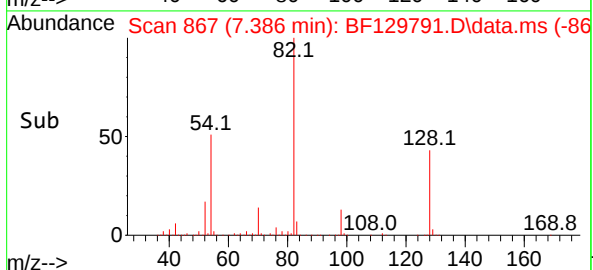
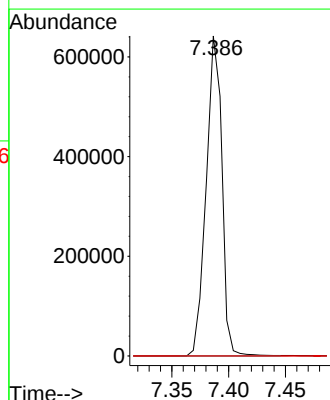
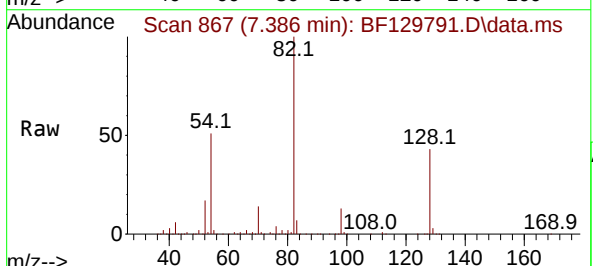
Tgt Ion: 82 Resp: 615480

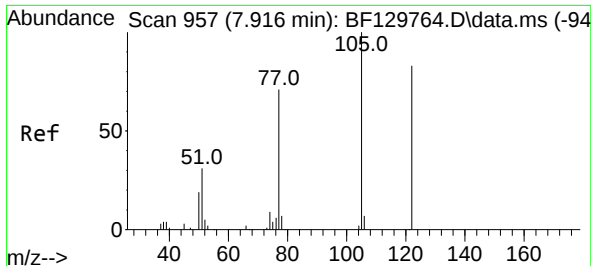
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

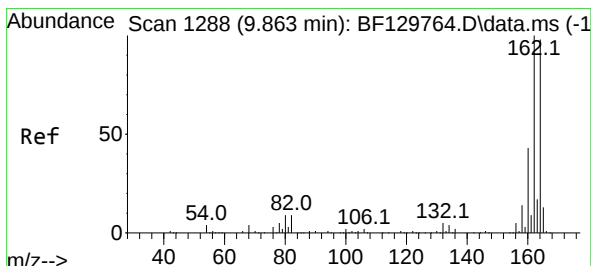
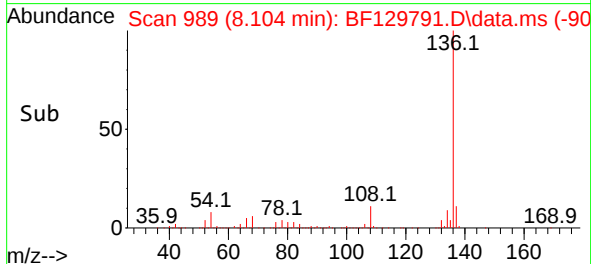
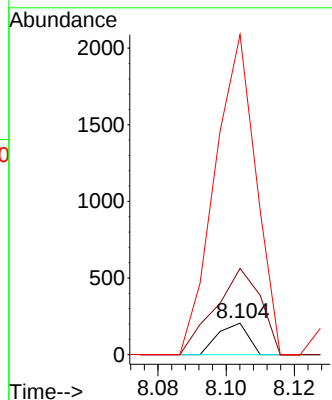
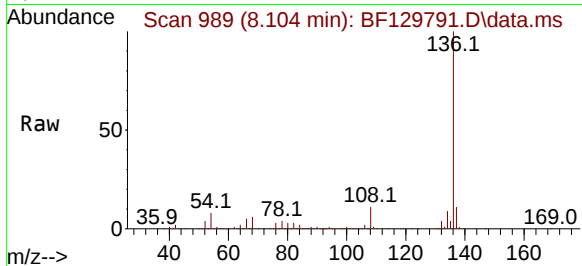




#32
Benzoic acid
Concen: 2.192 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

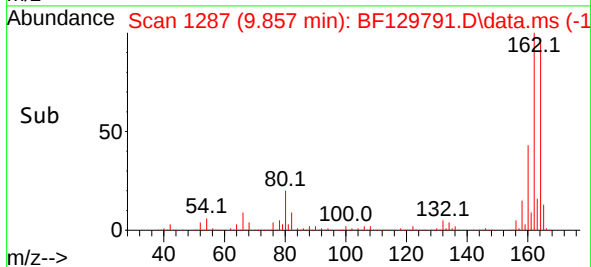
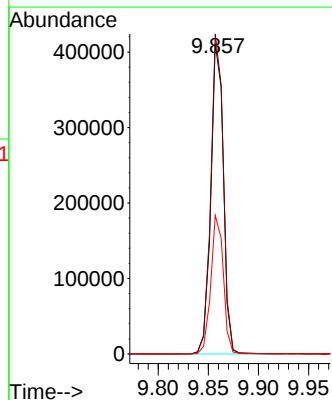
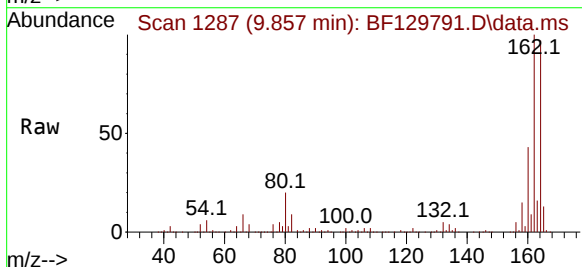
Instrument :
BNA_F
ClientSampleId :
S9

Tgt Ion:122 Resp: 126
Ion Ratio Lower Upper
122 100
105 274.6 99.9 139.9#
77 1018.5 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

Tgt Ion:164 Resp: 359086
Ion Ratio Lower Upper
164 100
162 103.1 82.0 123.0
160 44.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 76.023 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

Instrument :

BNA_F

ClientSampleId :

S9

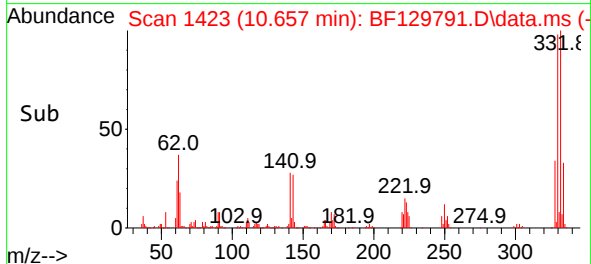
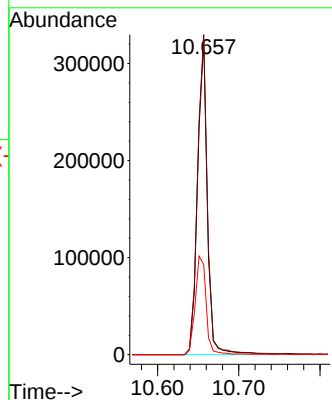
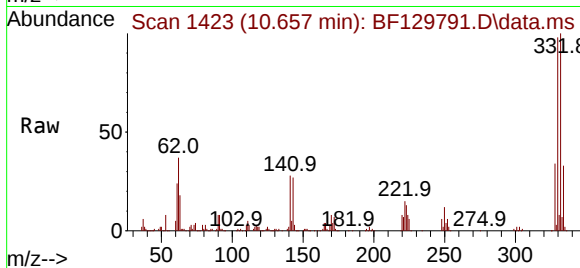
Tgt Ion:330 Resp: 273984

Ion Ratio Lower Upper

330 100

332 103.9 82.6 124.0

141 35.2 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 51.235 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

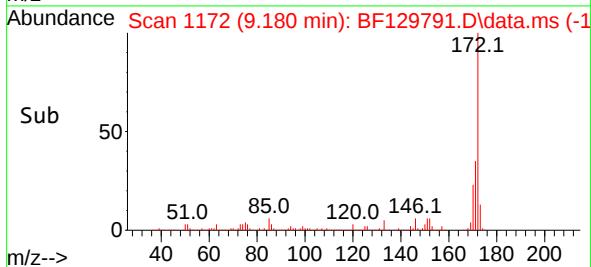
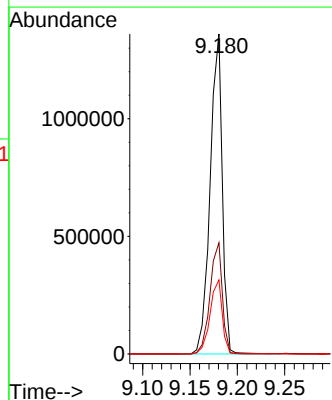
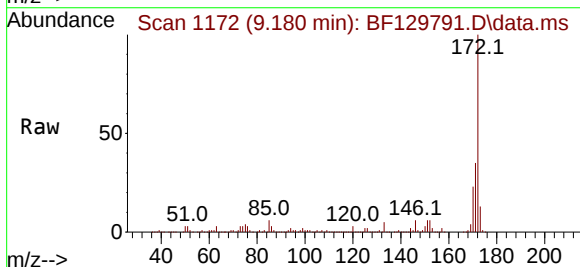
Tgt Ion:172 Resp: 1211334

Ion Ratio Lower Upper

172 100

171 34.8 28.4 42.6

170 23.2 19.1 28.7

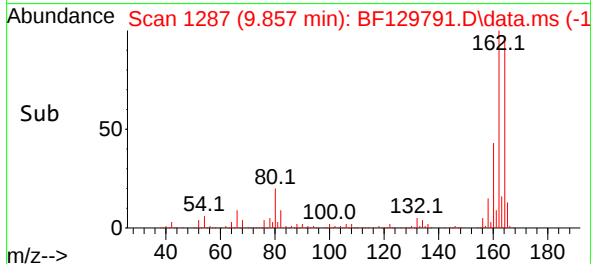
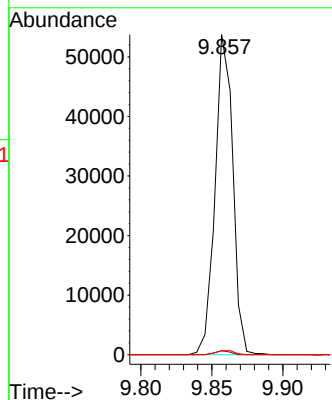
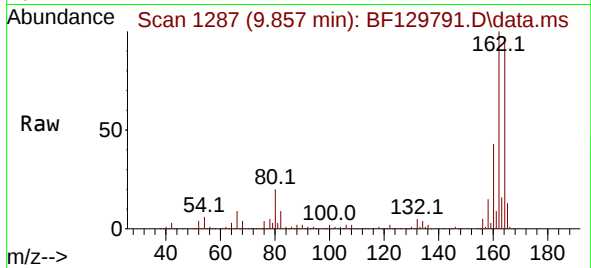




#51
2,6-Dinitrotoluene
Concen: 8.336 ng
RT: 9.857 min Scan# 1287
Delta R.T. 0.200 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

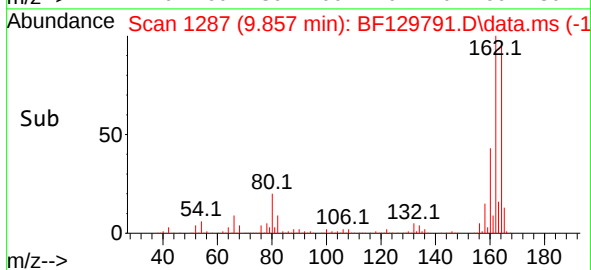
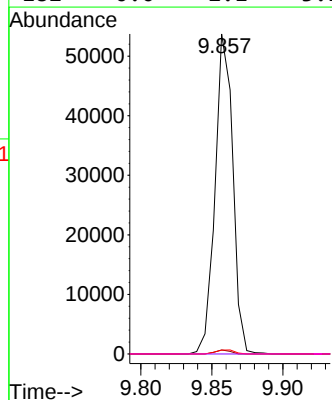
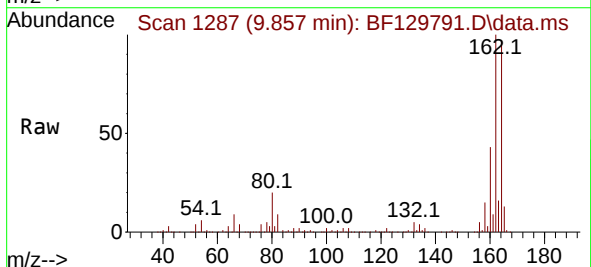
Instrument :
BNA_F
ClientSampleId :
S9

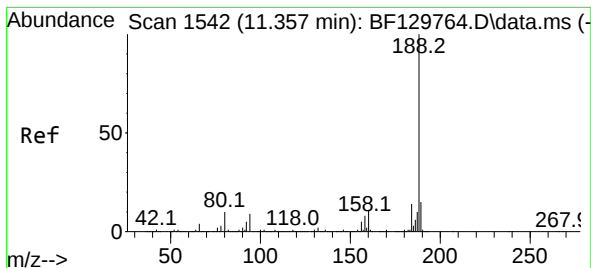
Tgt Ion:165 Resp: 46547
Ion Ratio Lower Upper
165 100
63 1.3 47.8 71.8#
89 1.2 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.421 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.212 min
Lab File: BF129791.D
Acq: 15 Aug 2022 20:47

Tgt Ion:165 Resp: 46547
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.2 62.3 93.5#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

Instrument :

BNA_F

ClientSampleId :

S9

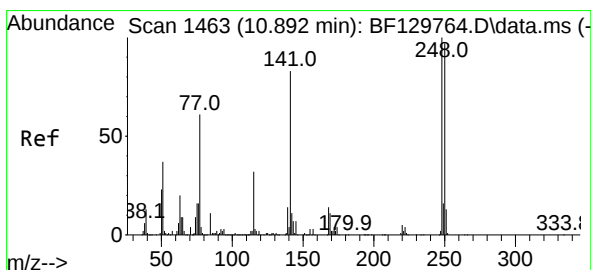
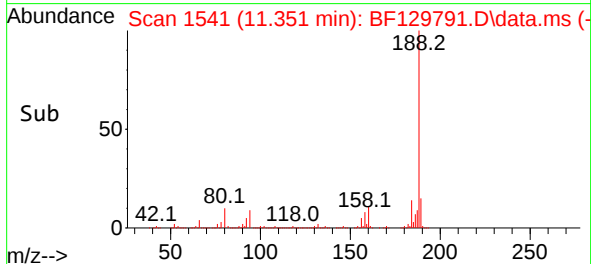
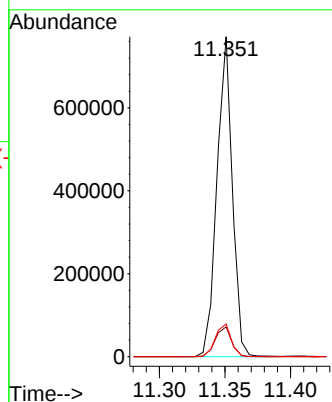
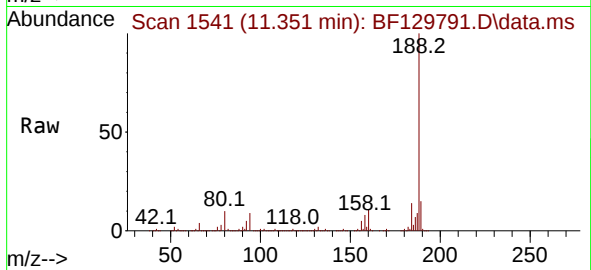
Tgt Ion:188 Resp: 627690

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.2 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.385 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.235 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

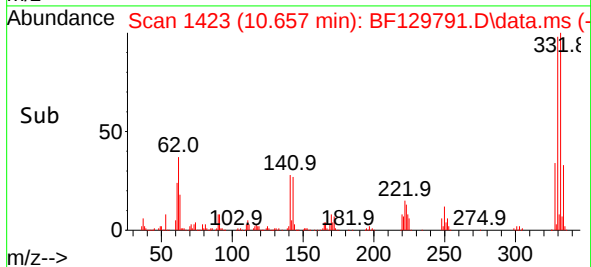
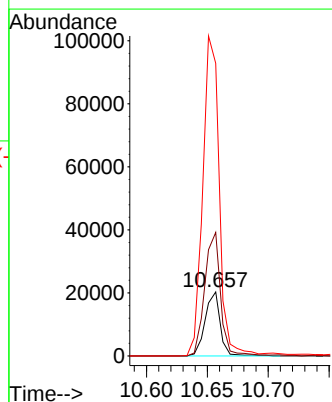
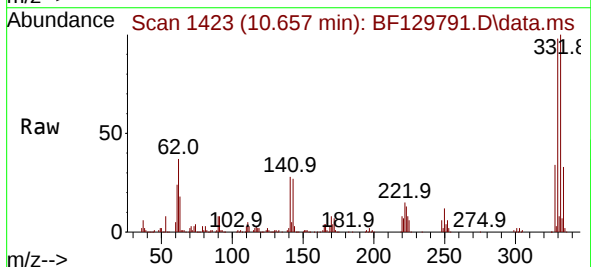
Tgt Ion:248 Resp: 17533

Ion Ratio Lower Upper

248 100

250 192.9 77.8 116.6#

141 456.9 66.2 99.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

Instrument :

BNA_F

ClientSampleId :

S9

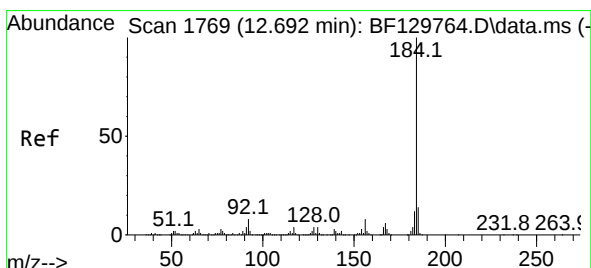
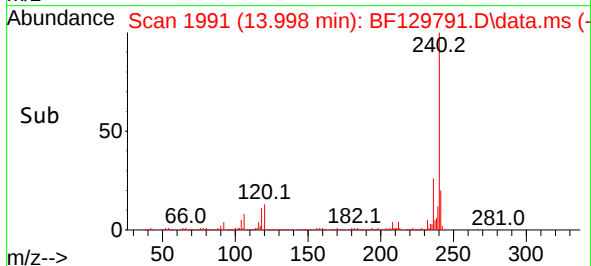
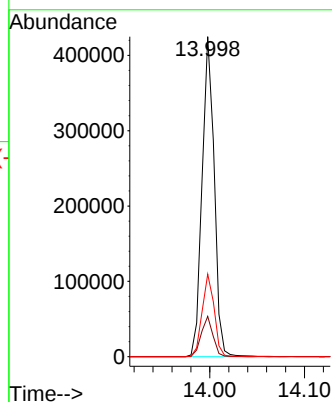
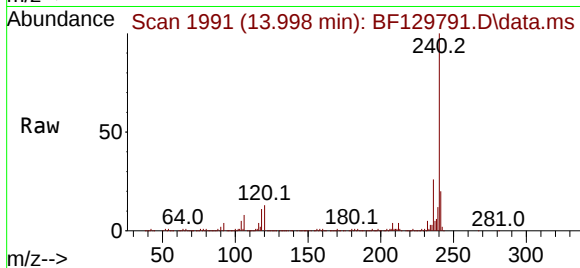
Tgt Ion:240 Resp: 377764

Ion Ratio Lower Upper

240 100

120 12.6 9.2 13.8

236 25.8 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.933 min Scan# 1810

Delta R.T. 0.241 min

Lab File: BF129791.D

Acq: 15 Aug 2022 20:47

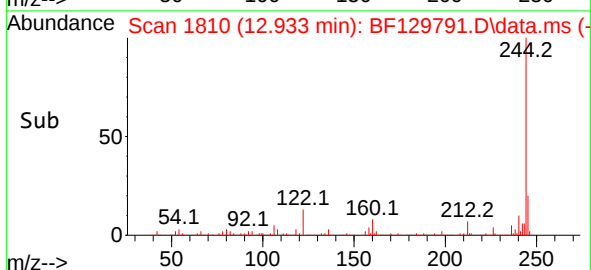
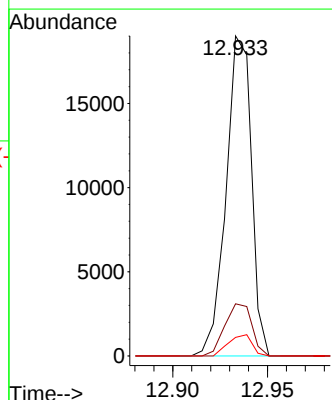
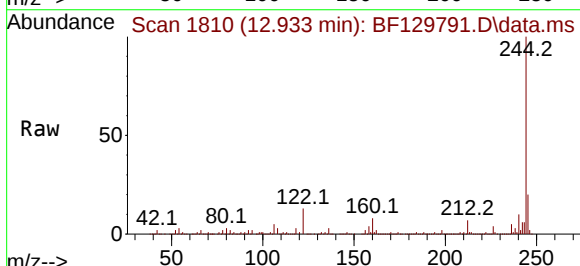
Tgt Ion:184 Resp: 17669

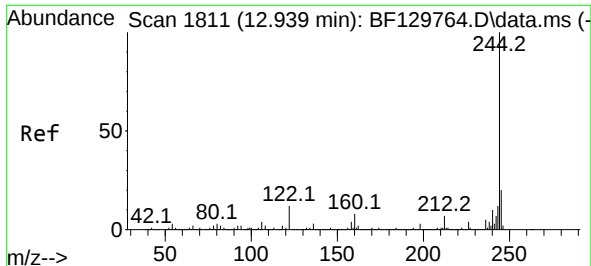
Ion Ratio Lower Upper

184 100

185 16.3 11.4 17.2

183 5.8 9.4 14.2#

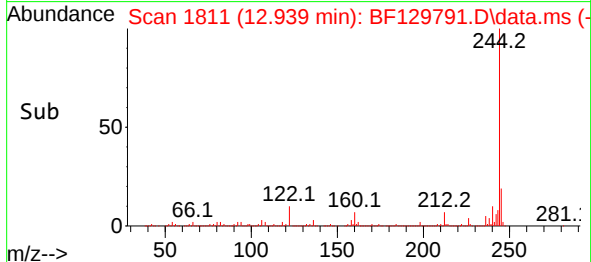
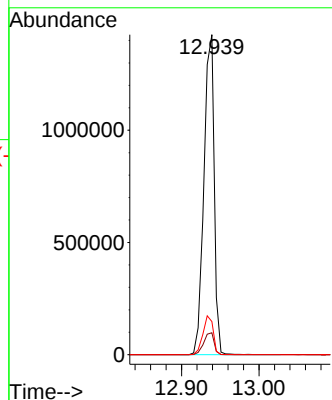
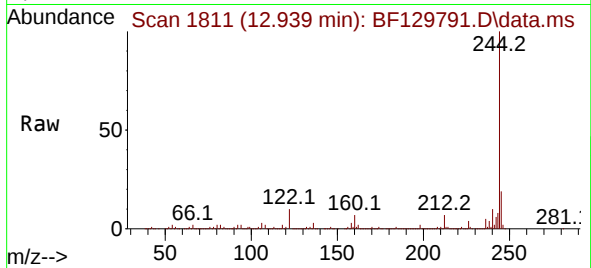




#79
 Terphenyl-d14
 Concen: 57.968 ng
 RT: 12.939 min Scan# 1811
 Delta R.T. -0.000 min
 Lab File: BF129791.D
 Acq: 15 Aug 2022 20:47

Instrument :
 BNA_F
 ClientSampleId :
 S9

Tgt Ion:244 Resp: 1316058
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.4 9.9 14.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 2241
 Delta R.T. -0.000 min
 Lab File: BF129791.D
 Acq: 15 Aug 2022 20:47

Tgt Ion:264 Resp: 300509
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 21.6 16.7 25.1

