

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081522\
 Data File : BF129796.D
 Acq On : 15 Aug 2022 23:24
 Operator : CG\JU
 Sample : N4200-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S12

Quant Time: Aug 16 03:19:59 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

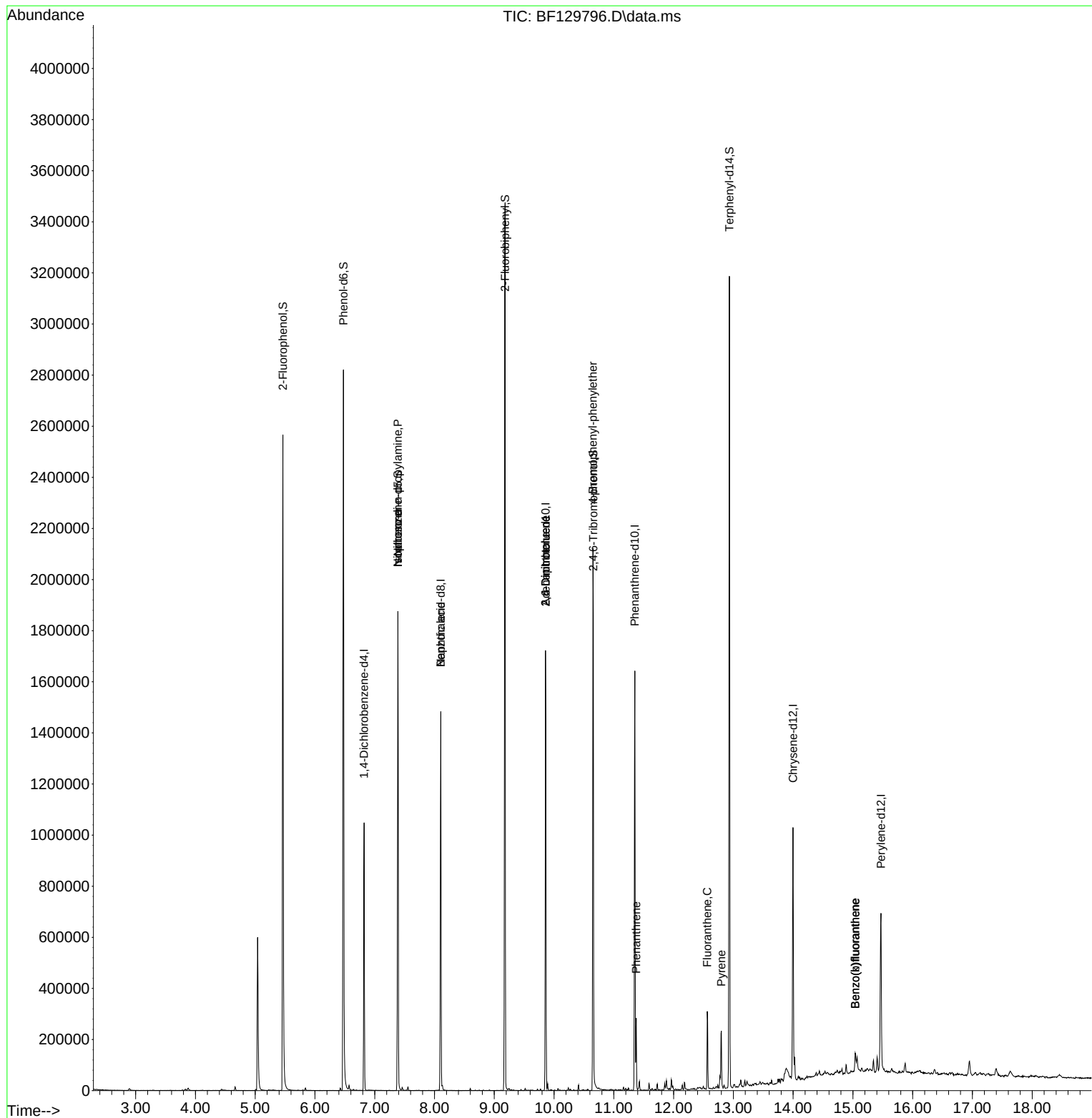
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	149952	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	630316	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	342372	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	567181	20.000	ng	0.00
76) Chrysene-d12	13.998	240	295292	20.000	ng	0.00
86) Perylene-d12	15.468	264	279252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	720058	79.505	ng	0.00
7) Phenol-d6	6.475	99	924913	81.551	ng	0.00
23) Nitrobenzene-d5	7.387	82	589334	50.051	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	252208	73.397	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1114472	49.439	ng	0.00
79) Terphenyl-d14	12.933	244	996427	56.147	ng	0.00
Target Compounds						
9) Benzaldehyde	6.475	77	1485	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.387	70	78124	10.898	ng	# 78
25) Isophorone	7.387	82	589327	29.080	ng	# 65
32) Benzoic acid	8.104	122	73	2.174	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	45207	8.491	ng	# 23
57) 2,4-Dinitrotoluene	9.857	165	45207	6.541	ng	# 18
67) 4-Bromophenyl-phenylether	10.651	248	16196	2.438	ng	# 1
71) Phenanthrene	11.375	178	96270	3.039	ng	99
75) Fluoranthene	12.563	202	115375	3.559	ng	97
77) Benzidine	12.933	184	14256	Below Cal	#	91
78) Pyrene	12.798	202	92751	3.615	ng	98
88) Benzo(b)fluoranthene	15.039	252	51322	2.684	ng	# 97
89) Benzo(k)fluoranthene	15.039	252	51322	2.799	ng	# 96

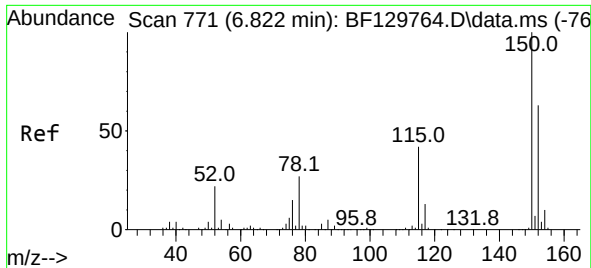
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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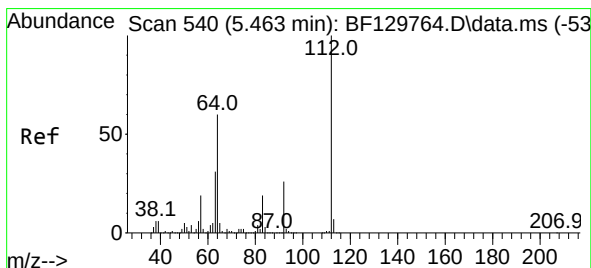
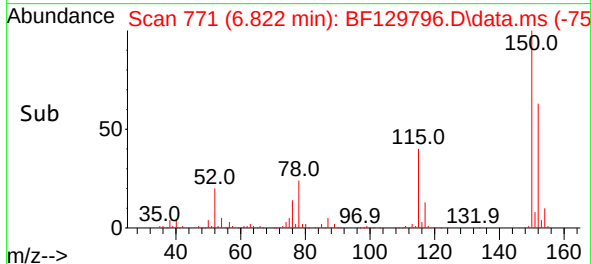
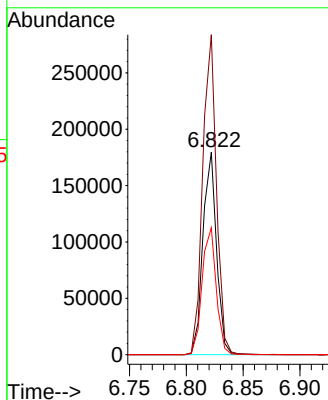
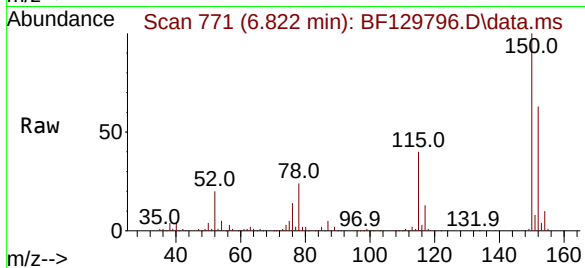




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.822 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: BF129796.D
 Acq: 15 Aug 2022 23:24

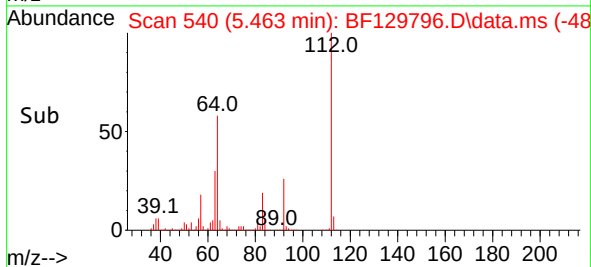
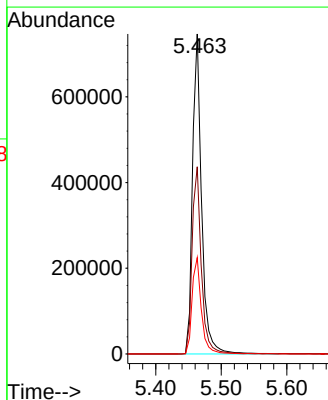
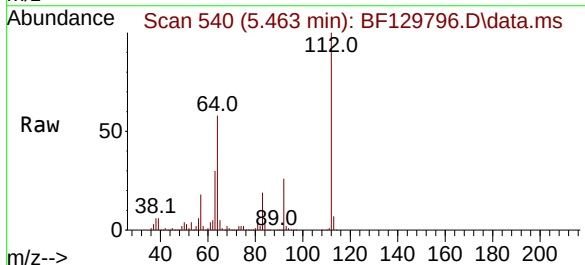
Instrument :
 BNA_F
 ClientSampleId :
 S12

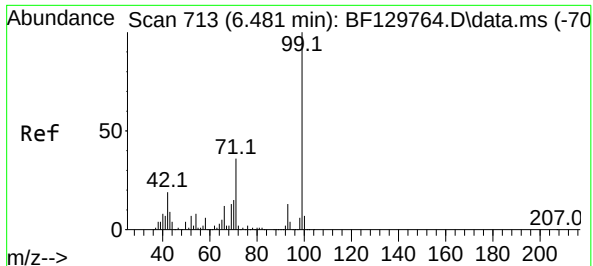
Tgt Ion:152 Resp: 149952
 Ion Ratio Lower Upper
 152 100
 150 158.0 126.9 190.3
 115 62.7 53.4 80.0



#5
 2-Fluorophenol
 Concen: 79.505 ng
 RT: 5.463 min Scan# 540
 Delta R.T. 0.000 min
 Lab File: BF129796.D
 Acq: 15 Aug 2022 23:24

Tgt Ion:112 Resp: 720058
 Ion Ratio Lower Upper
 112 100
 64 58.5 47.6 71.4
 63 30.1 24.6 37.0

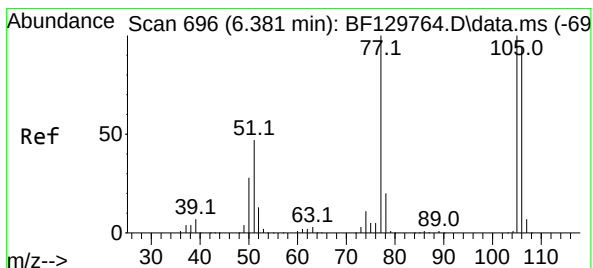
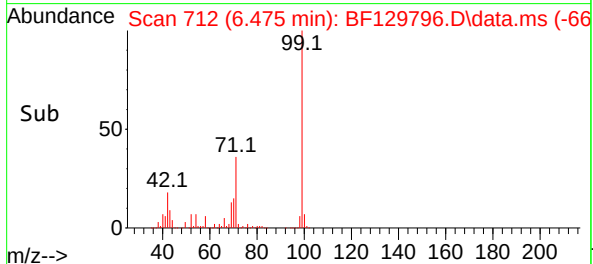
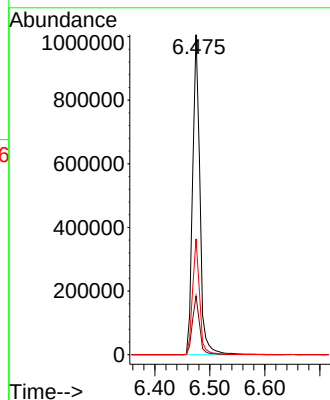
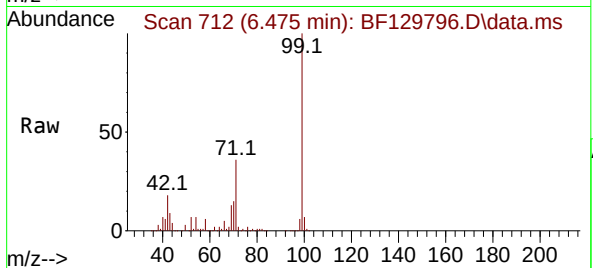




#7
Phenol-d6
Concen: 81.551 ng
RT: 6.475 min Scan# 712
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

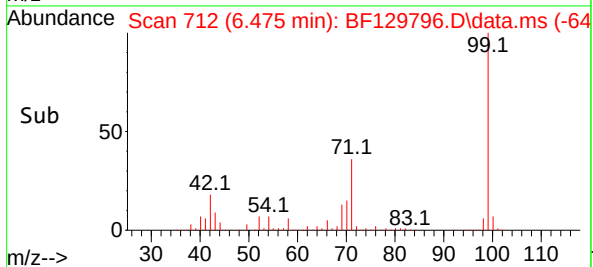
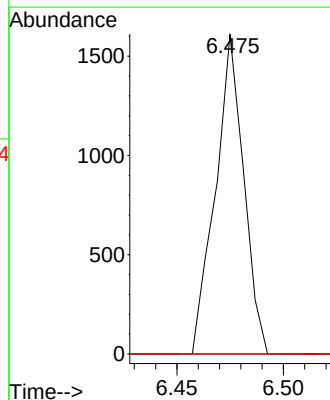
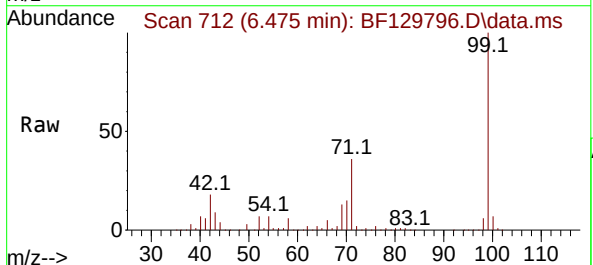
Instrument :
BNA_F
ClientSampleId :
S12

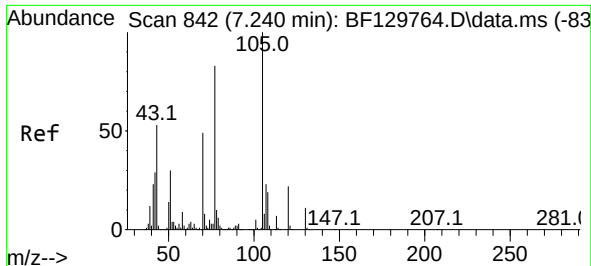
Tgt Ion: 99 Resp: 924913
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 36.2 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.475 min Scan# 712
Delta R.T. 0.094 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion: 77 Resp: 1485
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

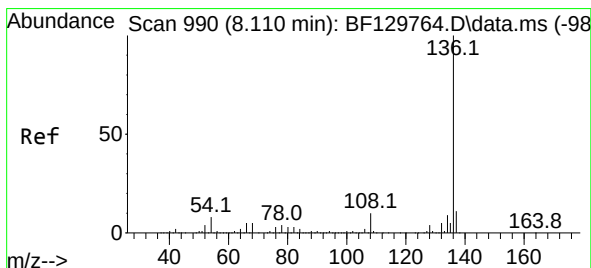
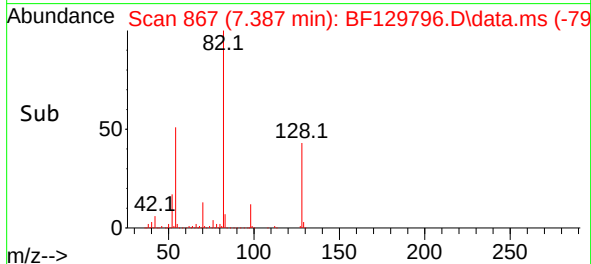
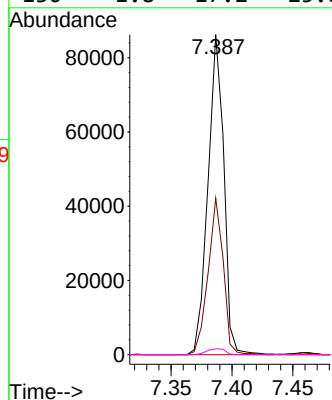
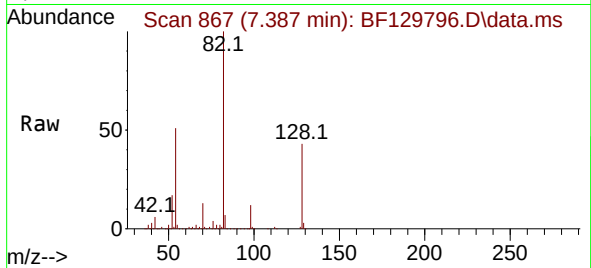




#19
n-Nitroso-di-n-propylamine
Concen: 10.898 ng
RT: 7.387 min Scan# 80
Delta R.T. 0.147 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

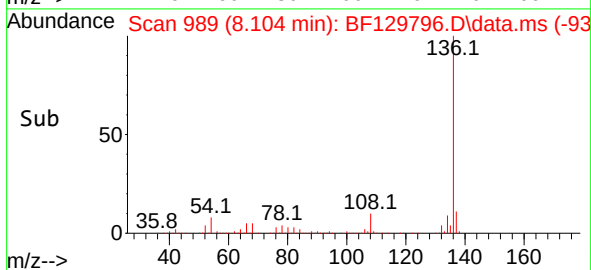
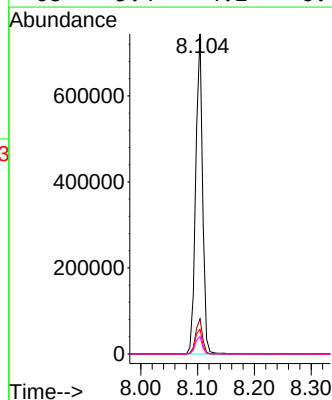
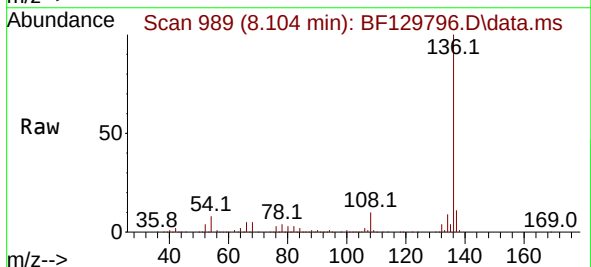
Instrument :
BNA_F
ClientSampleId :
S12

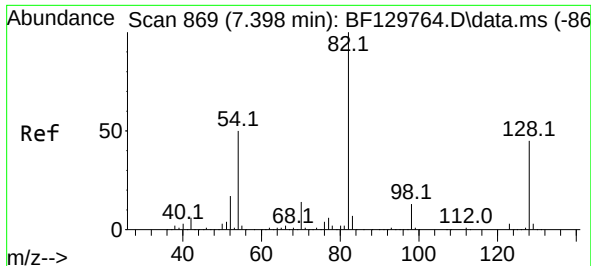
Tgt Ion: 70 Resp: 78124
Ion Ratio Lower Upper
70 100
42 48.9 47.6 71.4
101 0.0 8.1 12.1#
130 1.8 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion:136 Resp: 630316
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.7 6.2 9.2
68 5.4 4.2 6.4

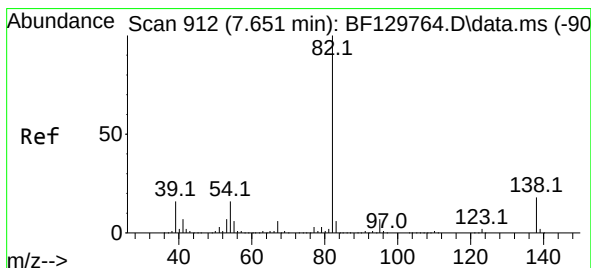
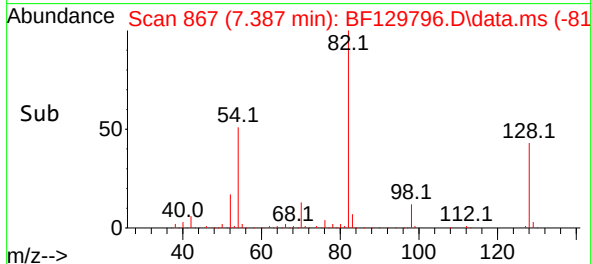
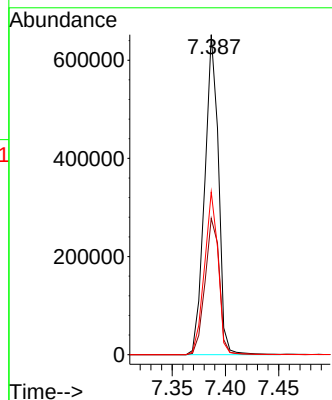
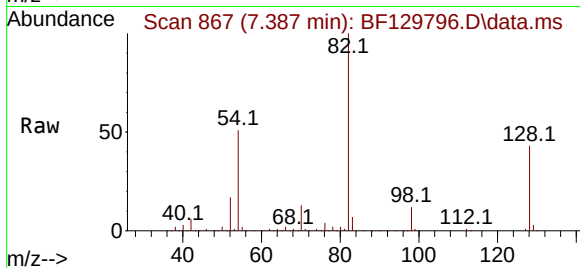




#23
Nitrobenzene-d5
Concen: 50.051 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

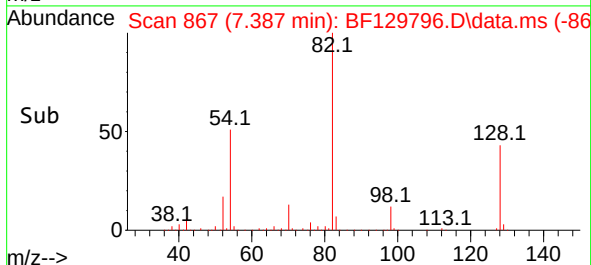
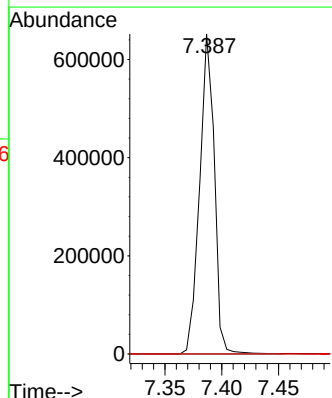
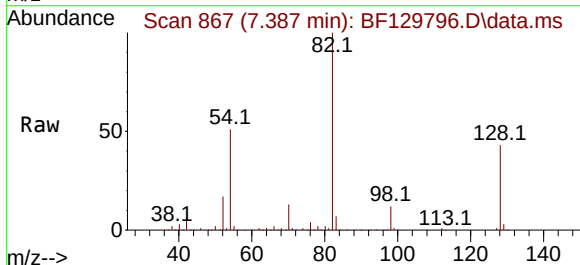
Instrument :
BNA_F
ClientSampleId :
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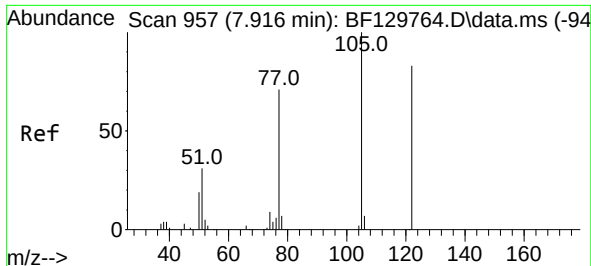
Tgt Ion: 82 Resp: 589334
Ion Ratio Lower Upper
82 100
128 42.6 36.1 54.1
54 50.9 40.0 60.0



#25
Isophorone
Concen: 29.080 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.265 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion: 82 Resp: 589327
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

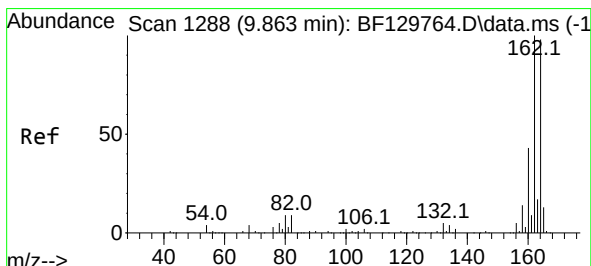
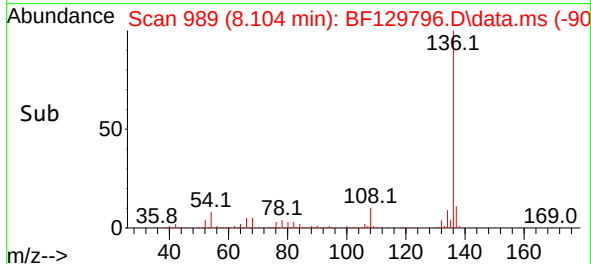
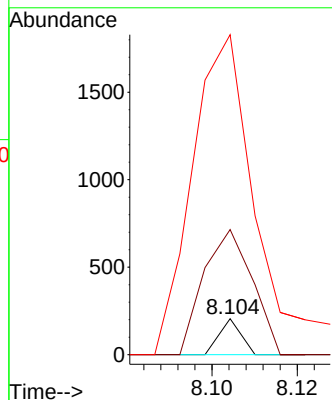
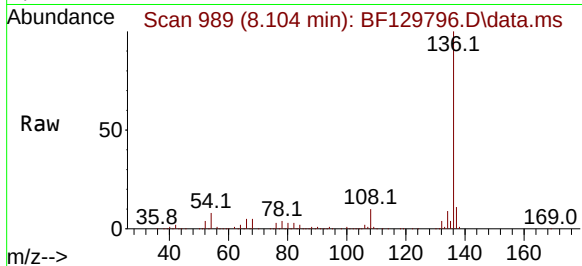




#32
Benzoic acid
Concen: 2.174 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

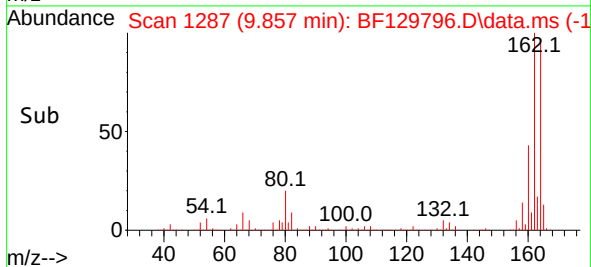
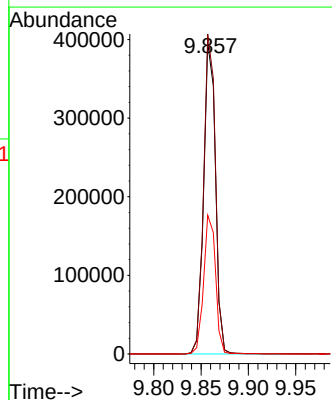
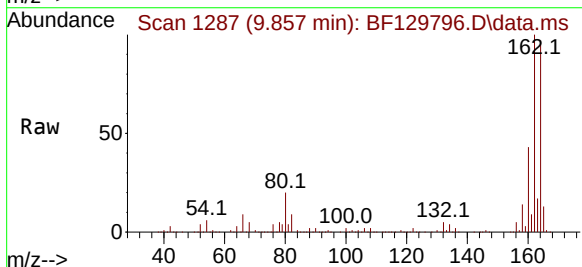
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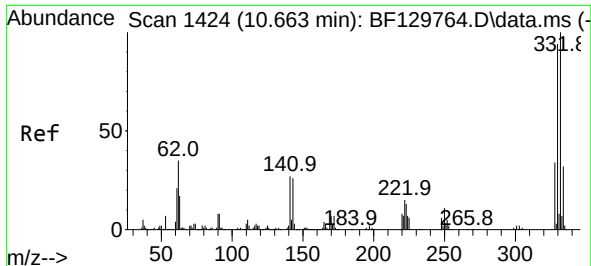
Tgt Ion:122 Resp: 73
Ion Ratio Lower Upper
122 100
105 347.1 99.9 139.9#
77 887.9 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion:164 Resp: 342372
Ion Ratio Lower Upper
164 100
162 102.9 82.0 123.0
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 73.397 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

Instrument :

BNA_F

ClientSampleId :

S12

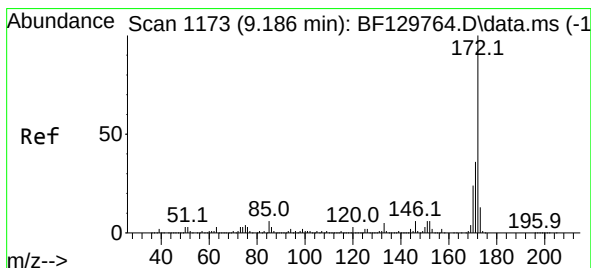
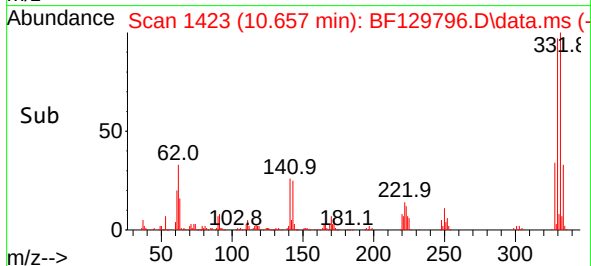
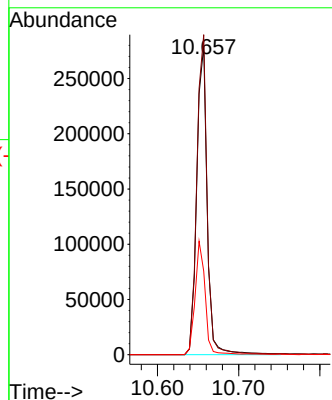
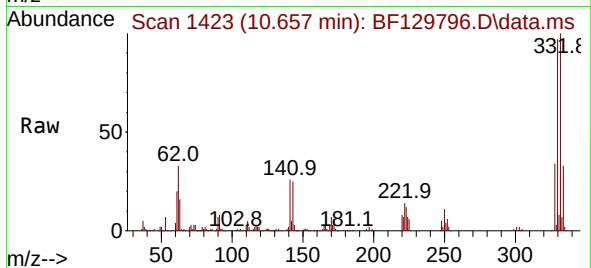
Tgt Ion:330 Resp: 252208

Ion Ratio Lower Upper

330 100

332 102.5 82.6 124.0

141 35.5 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 49.439 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

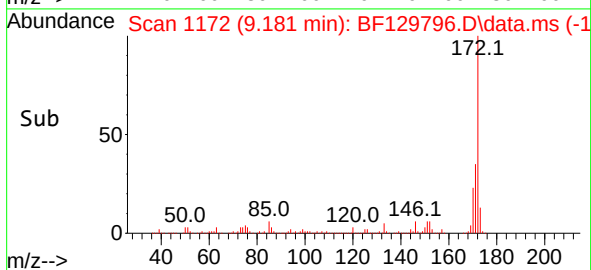
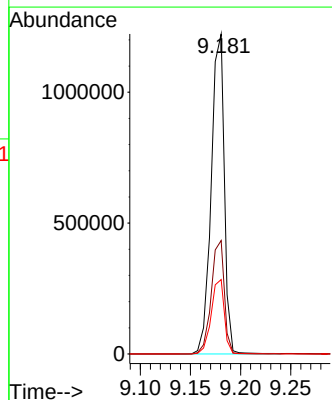
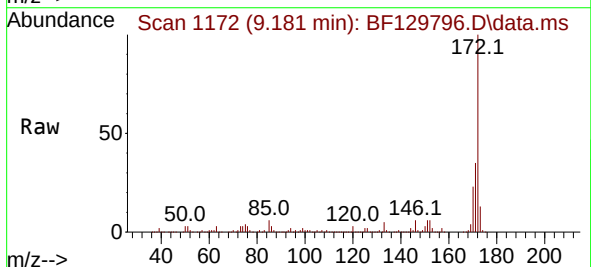
Tgt Ion:172 Resp: 1114472

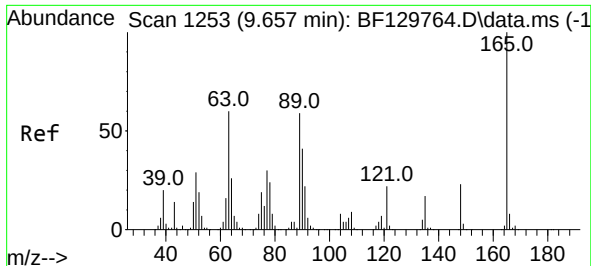
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.2 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.491 ng

RT: 9.857 min Scan# 1287

Delta R.T. 0.200 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

Instrument :

BNA_F

ClientSampleId :

S12

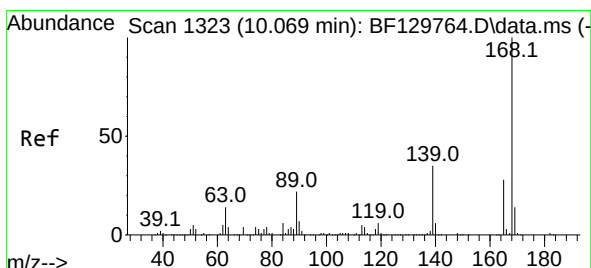
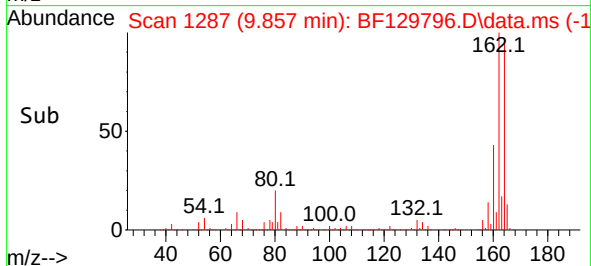
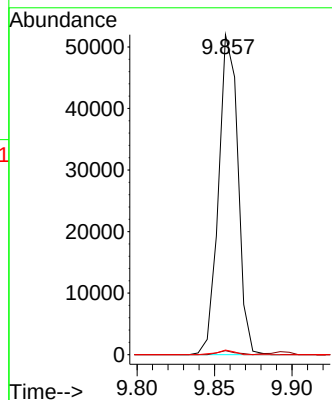
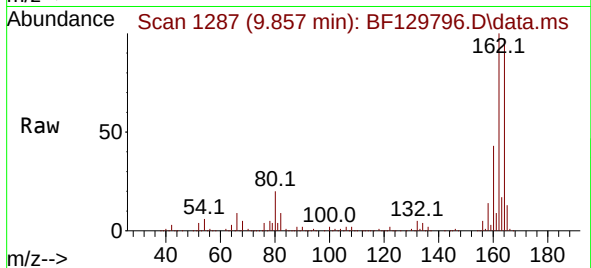
Tgt Ion:165 Resp: 45207

Ion Ratio Lower Upper

165 100

63 1.2 47.8 71.8#

89 1.4 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.541 ng

RT: 9.857 min Scan# 1287

Delta R.T. -0.212 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

Tgt Ion:165 Resp: 45207

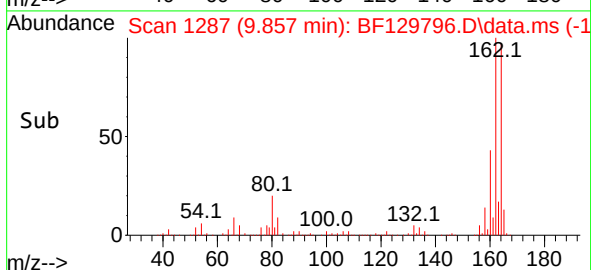
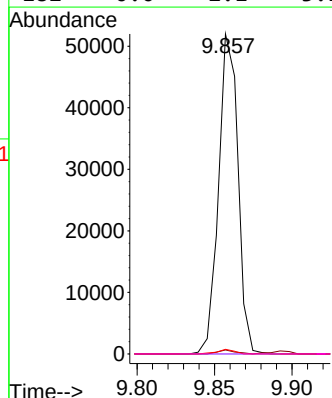
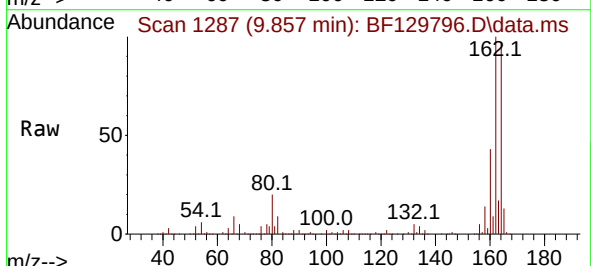
Ion Ratio Lower Upper

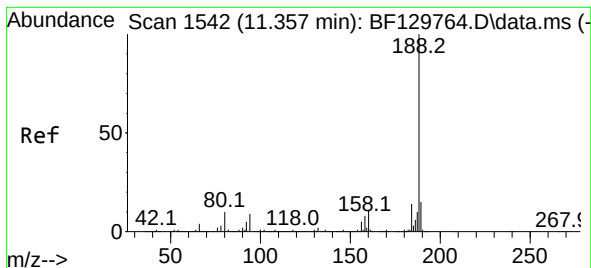
165 100

63 1.2 48.4 72.6#

89 1.4 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: BF129796.D

Acq: 15 Aug 2022 23:24

Instrument :

BNA_F

ClientSampleId :

S12

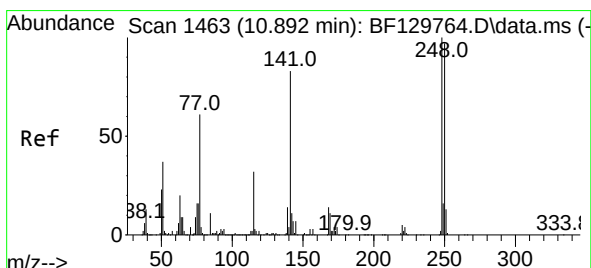
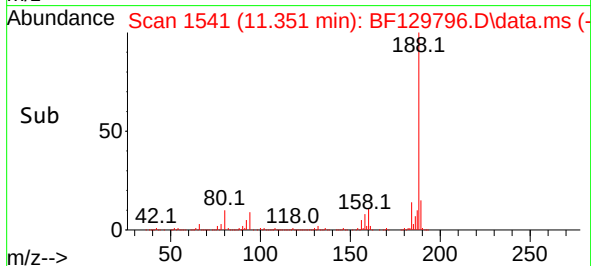
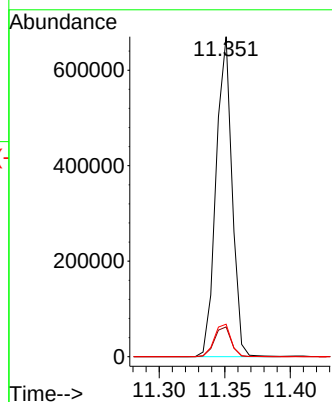
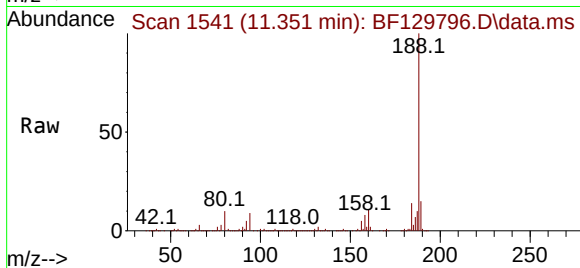
Tgt Ion:188 Resp: 567181

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

80 10.1 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.438 ng

RT: 10.651 min Scan# 1422

Delta R.T. -0.241 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

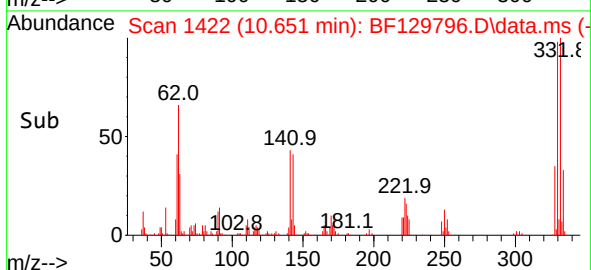
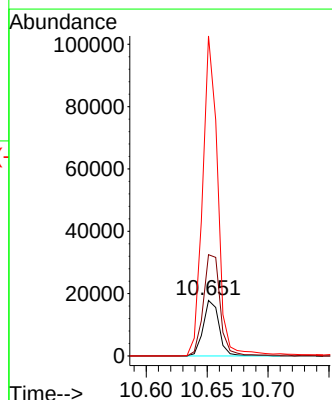
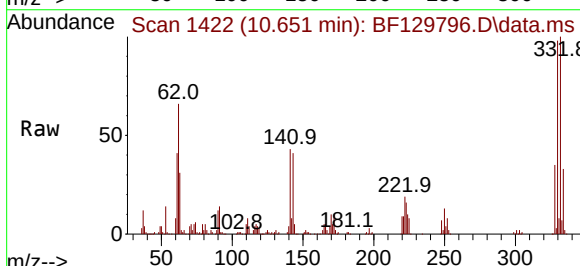
Tgt Ion:248 Resp: 16196

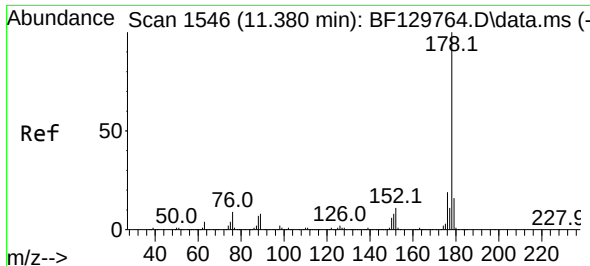
Ion Ratio Lower Upper

248 100

250 182.4 77.8 116.6#

141 576.0 66.2 99.2#

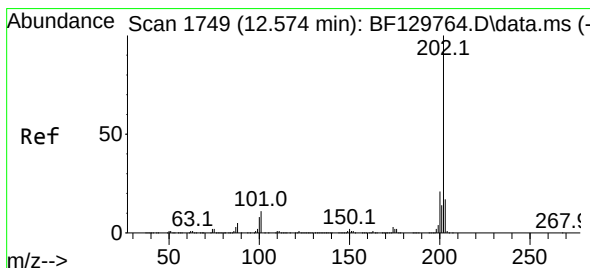
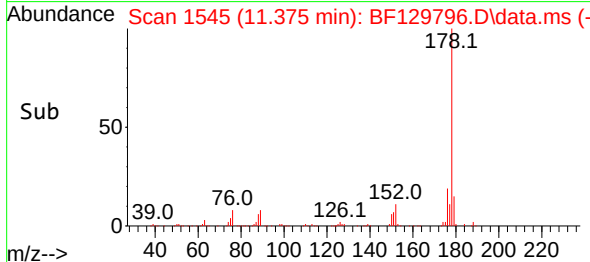
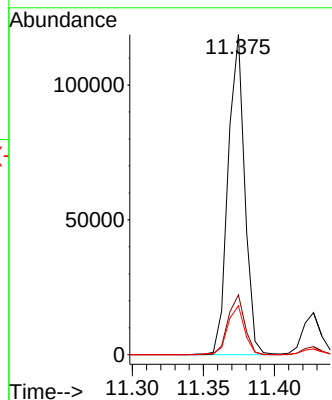
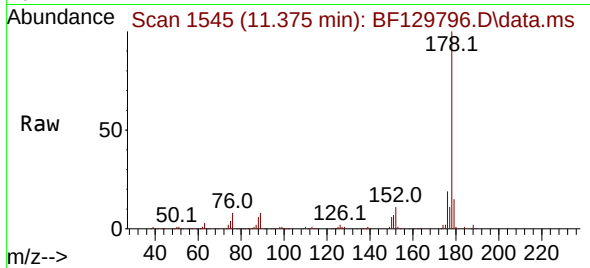




#71
Phenanthrene
Concen: 3.039 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

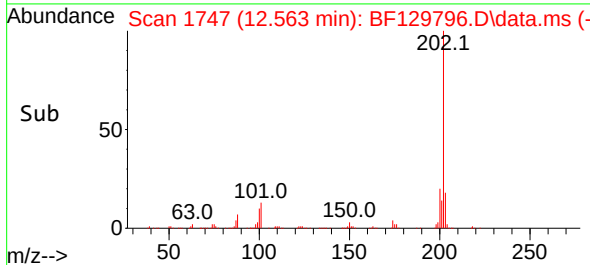
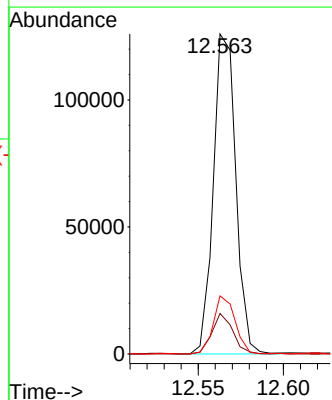
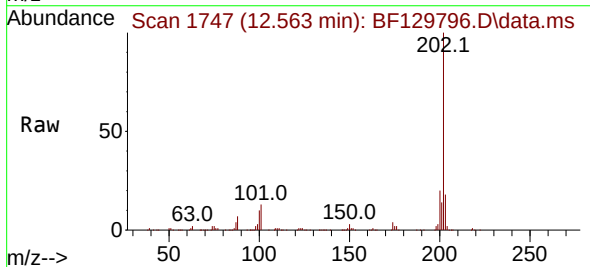
Instrument :
BNA_F
ClientSampleId :
S12

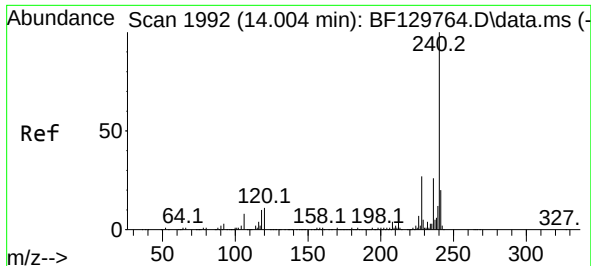
Tgt Ion:178 Resp: 96270
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.3 12.5 18.7



#75
Fluoranthene
Concen: 3.559 ng
RT: 12.563 min Scan# 1747
Delta R.T. -0.012 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion:202 Resp: 115375
Ion Ratio Lower Upper
202 100
101 12.6 0.0 30.7
203 18.2 0.0 37.5

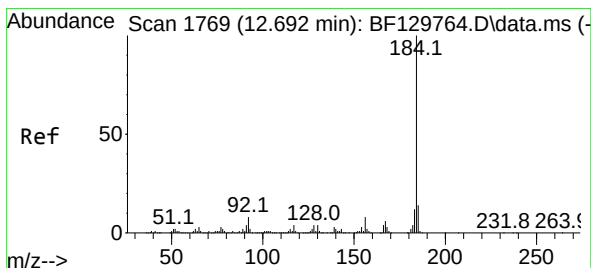
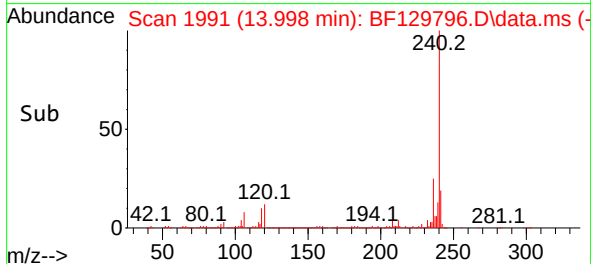
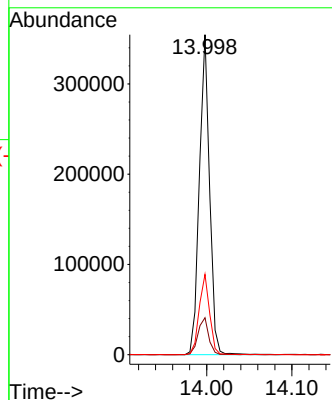
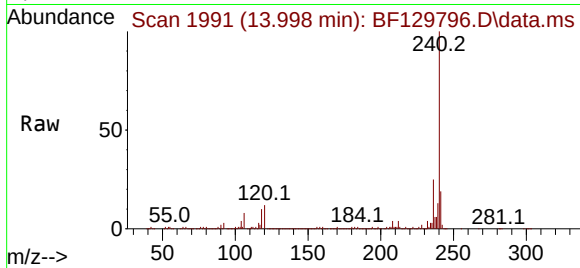




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

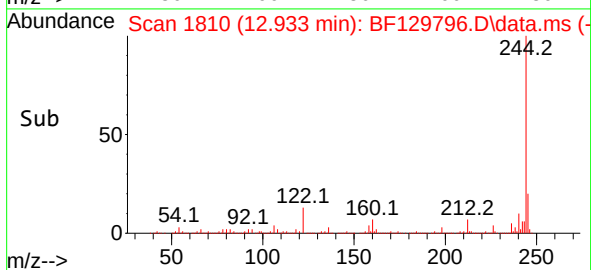
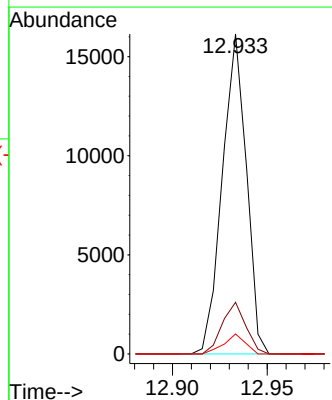
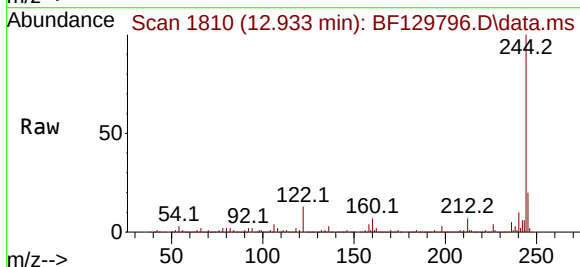
Instrument :
BNA_F
ClientSampleId :
S12

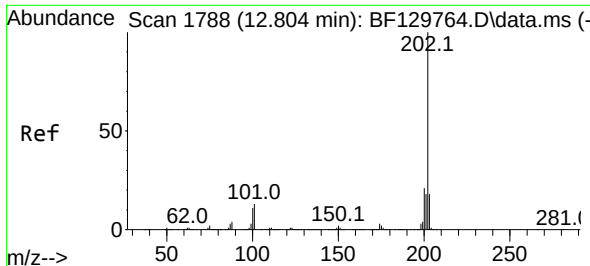
Tgt Ion:240 Resp: 295292
Ion Ratio Lower Upper
240 100
120 11.5 9.2 13.8
236 25.1 20.7 31.1



#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion:184 Resp: 14256
Ion Ratio Lower Upper
184 100
185 16.2 11.4 17.2
183 6.2 9.4 14.2#

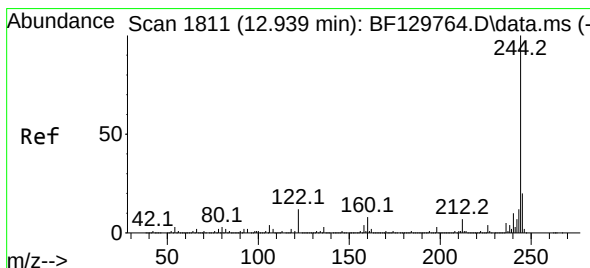
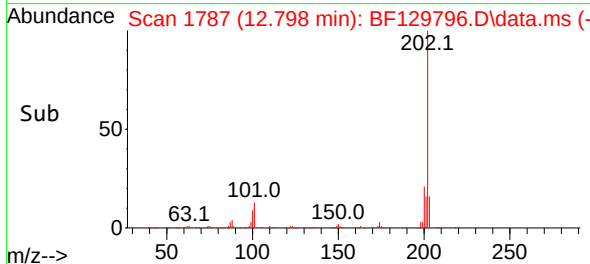
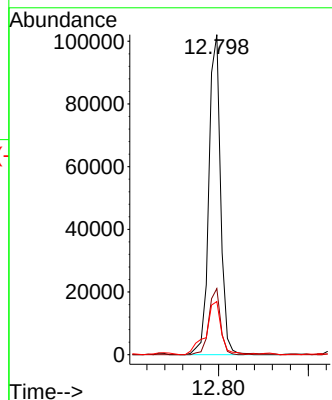
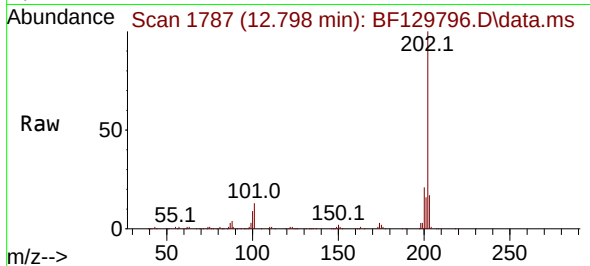




#78
Pyrene
Concen: 3.615 ng
RT: 12.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

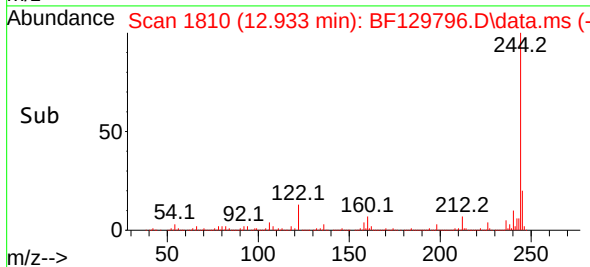
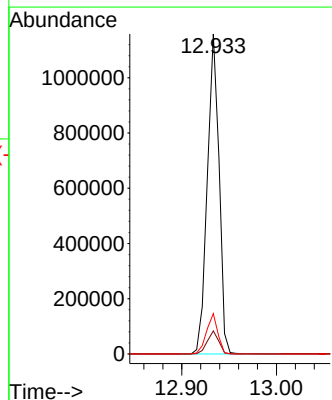
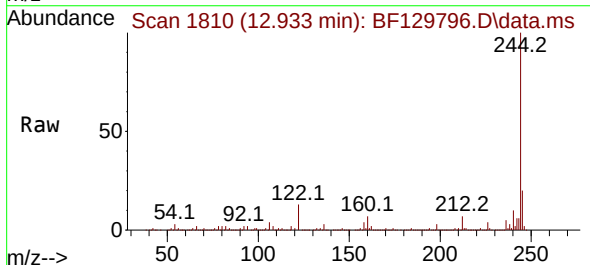
Instrument :
BNA_F
ClientSampleId :
S12

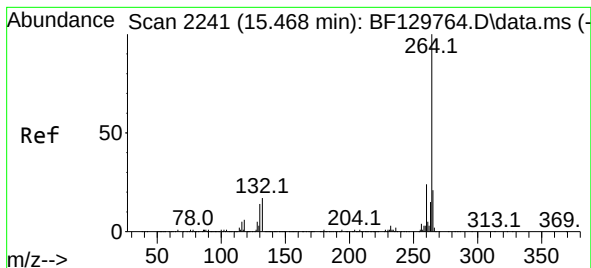
Tgt Ion:202 Resp: 92751
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 16.6 14.1 21.1



#79
Terphenyl-d14
Concen: 56.147 ng
RT: 12.933 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Tgt Ion:244 Resp: 996427
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 12.6 9.9 14.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

Instrument :

BNA_F

ClientSampleId :

S12

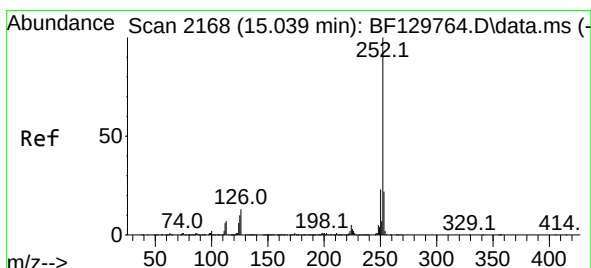
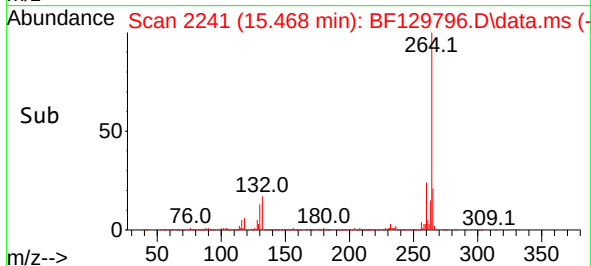
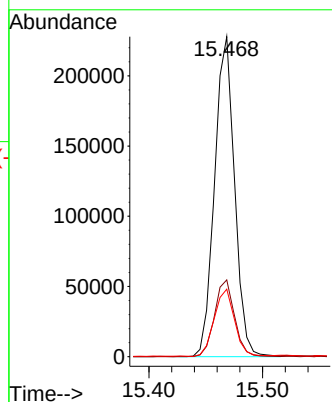
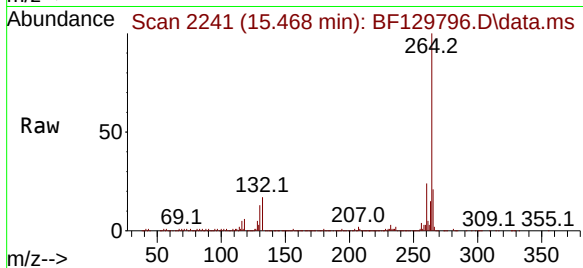
Tgt Ion:264 Resp: 279252

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 21.1 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 2.684 ng

RT: 15.039 min Scan# 2168

Delta R.T. 0.000 min

Lab File: BF129796.D

Acq: 15 Aug 2022 23:24

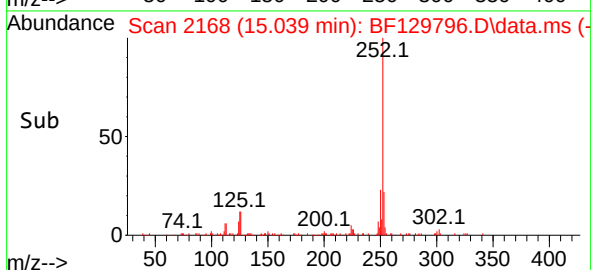
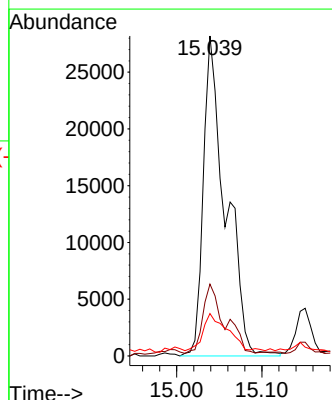
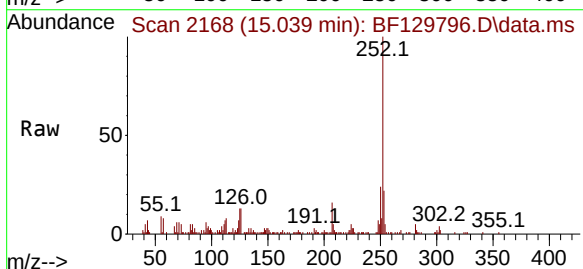
Tgt Ion:252 Resp: 51322

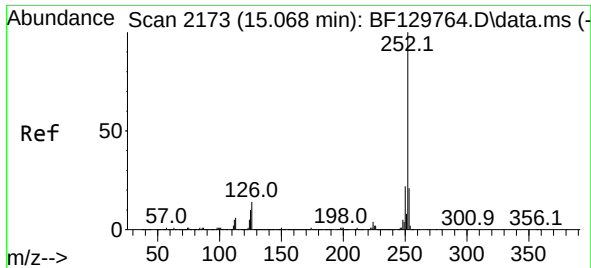
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

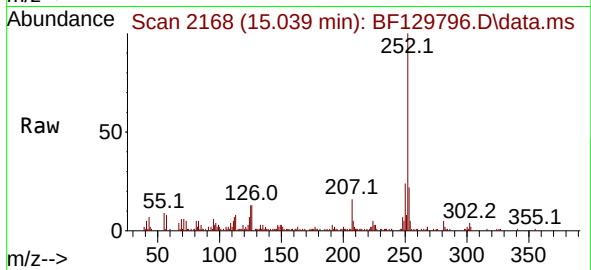
125 13.2 8.3 12.5#





#89
Benzo(k)fluoranthene
Concen: 2.799 ng
RT: 15.039 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF129796.D
Acq: 15 Aug 2022 23:24

Instrument :
BNA_F
ClientSampleId :
S12



Tgt Ion:252 Resp: 51322
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 13.2 8.3 12.5#

