

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
 Data File : BF128696.D
 Acq On : 06 Jun 2022 15:00
 Operator : CG\JU
 Sample : N3113-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-346

Quant Time: Jun 07 02:42:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

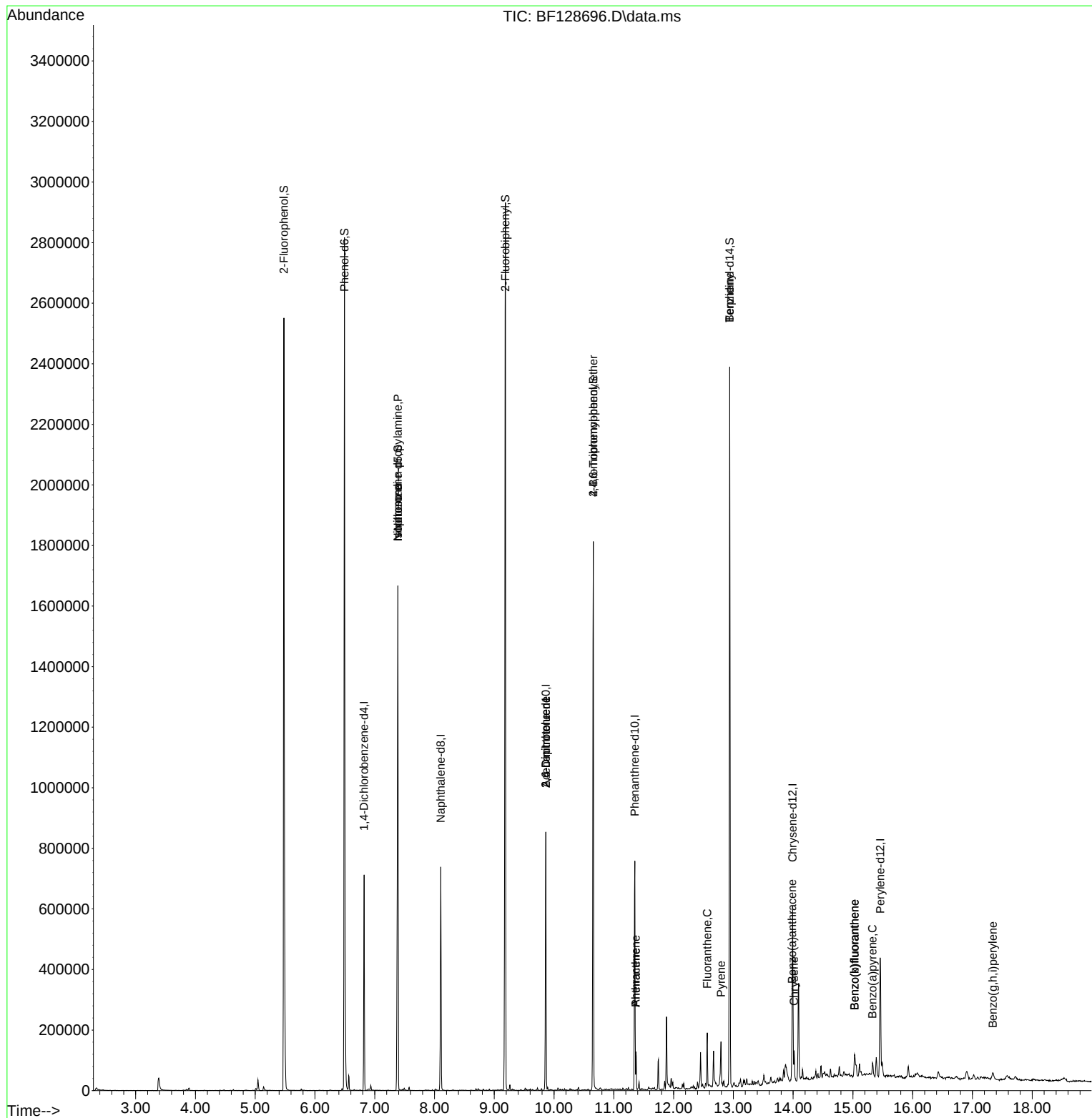
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	84255	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	293915	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	164434	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	269074	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	167544	20.000	ng	# 0.00
86) Perylene-d12	15.457	264	175085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	600020	113.433	ng	0.00
7) Phenol-d6	6.493	99	755465	117.001	ng	0.00
23) Nitrobenzene-d5	7.387	82	517138	81.919	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	192223	98.938	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	935731	79.714	ng	0.00
79) Terphenyl-d14	12.939	244	751801	77.971	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.387	70	73275	18.252	ng	# 81
25) Isophorone	7.387	82	515748	53.792	ng	# 65
51) 2,6-Dinitrotoluene	9.863	165	20712	9.324	ng	# 27
57) 2,4-Dinitrotoluene	9.863	165	20712	6.986	ng	# 23
67) 4-Bromophenyl-phenylether	10.657	248	13147	4.381	ng	# 1
71) Phenanthrene	11.369	178	43805	3.246	ng	96
72) Anthracene	11.369	178	43805	3.279	ng	96
75) Fluoranthene	12.563	202	66896	4.742	ng	95
77) Benzidine	12.939	184	11373	3.405	ng	# 92
78) Pyrene	12.792	202	58042	4.656	ng	97
81) Benzo(a)anthracene	13.980	228	32752	3.136	ng	95
83) Chrysene	14.016	228	35544	3.570	ng	95
88) Benzo(b)fluoranthene	15.027	252	51935	4.642	ng	94
89) Benzo(k)fluoranthene	15.027	252	51935	4.935	ng	# 94
90) Benzo(a)pyrene	15.327	252	20046	2.280	ng	98
92) Benzo(g,h,i)perylene	17.339	276	18040	2.079	ng	# 91

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

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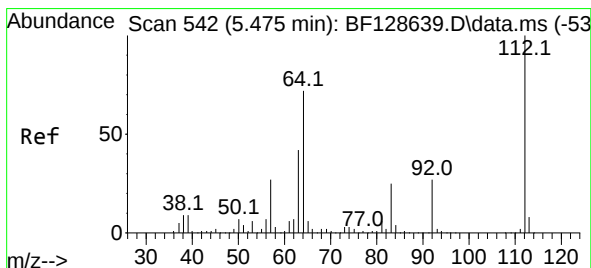
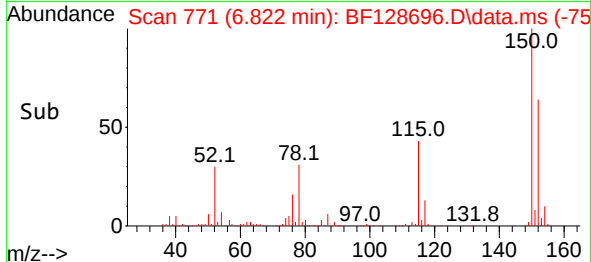
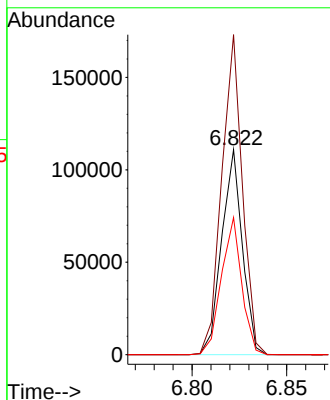
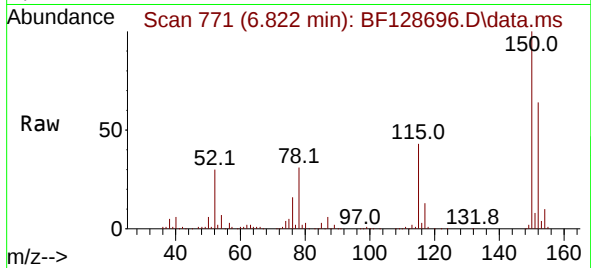




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

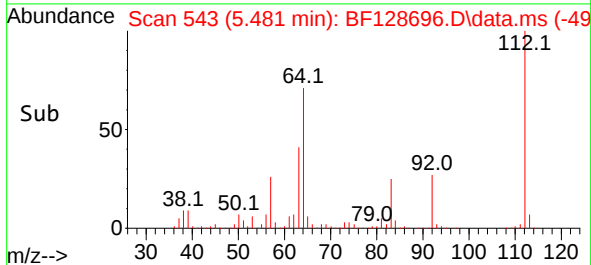
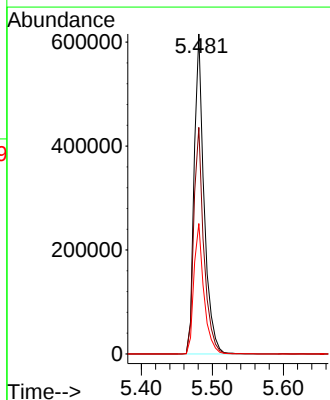
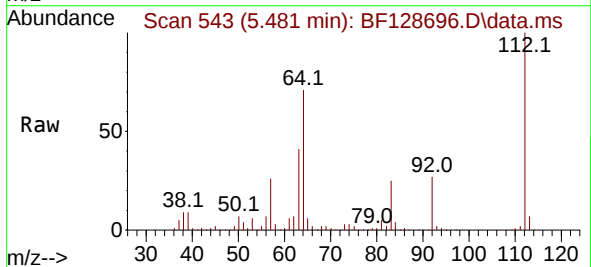
Instrument :
BNA_F
ClientSampleId :
RBR-346

Tgt Ion:152 Resp: 84255
Ion Ratio Lower Upper
152 100
150 156.1 123.7 185.5
115 66.9 49.9 74.9



#5
2-Fluorophenol
Concen: 113.433 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.006 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:112 Resp: 600020
Ion Ratio Lower Upper
112 100
64 70.8 53.3 79.9
63 40.7 28.0 42.0

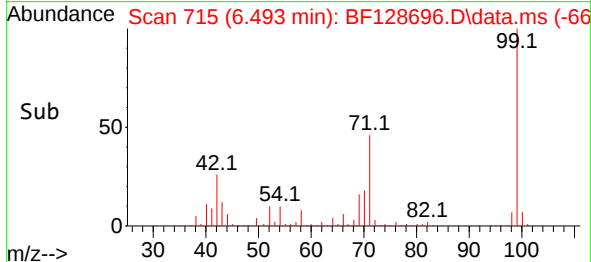
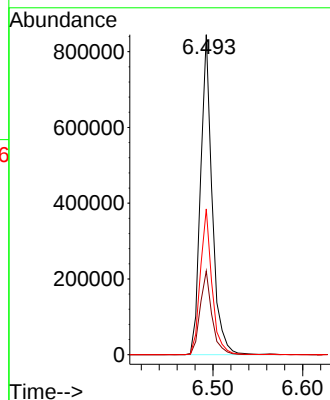
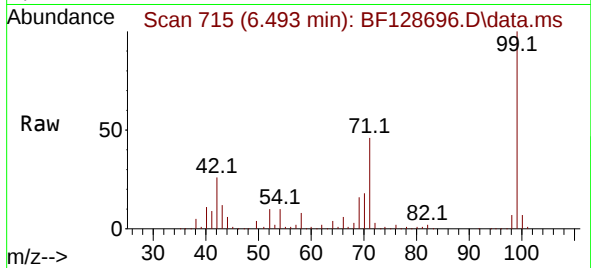




#7
Phenol-d6
Concen: 117.001 ng
RT: 6.493 min Scan# 715
Delta R.T. -0.005 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

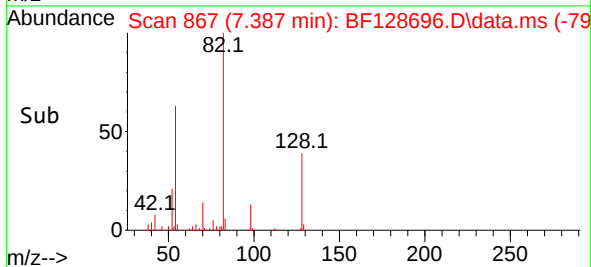
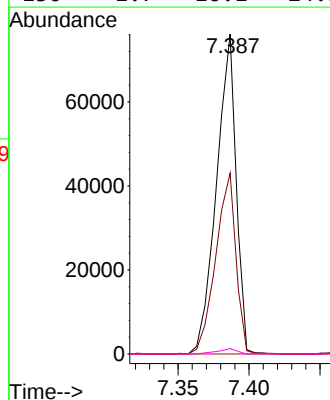
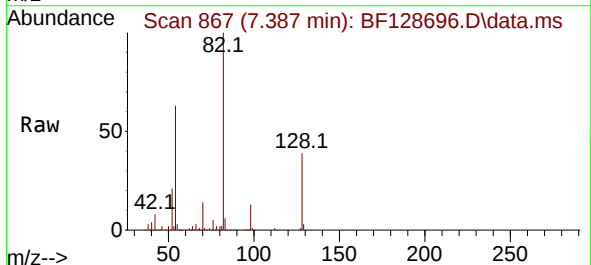
Instrument :
BNA_F
ClientSampleId :
RBR-346

Tgt Ion: 99 Resp: 755465
Ion Ratio Lower Upper
99 100
42 26.1 17.3 25.9#
71 45.6 28.9 43.3#



#19
n-Nitroso-di-n-propylamine
Concen: 18.252 ng
RT: 7.387 min Scan# 867
Delta R.T. 0.141 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion: 70 Resp: 73275
Ion Ratio Lower Upper
70 100
42 56.5 52.3 78.5
101 0.0 7.5 11.3#
130 1.7 16.1 24.1#

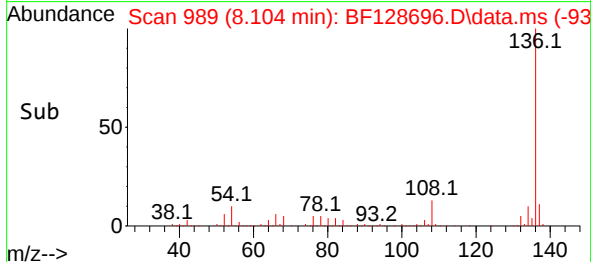
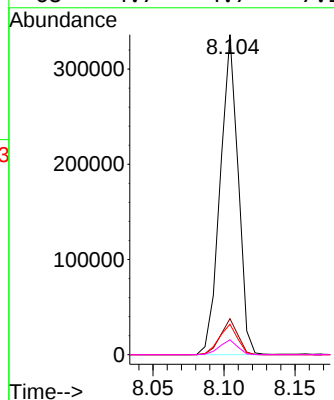
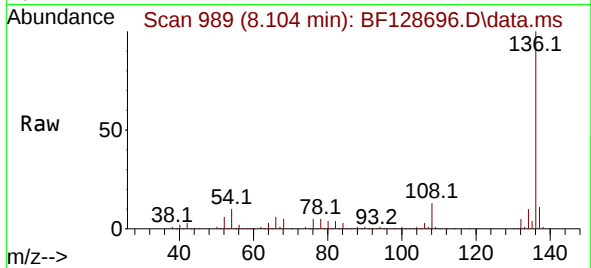




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

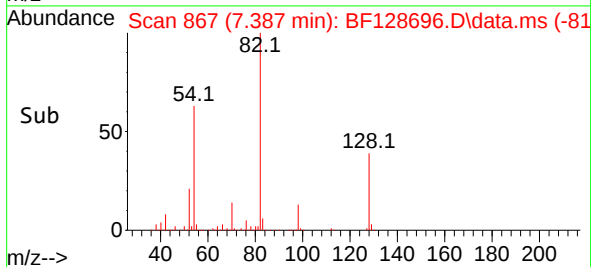
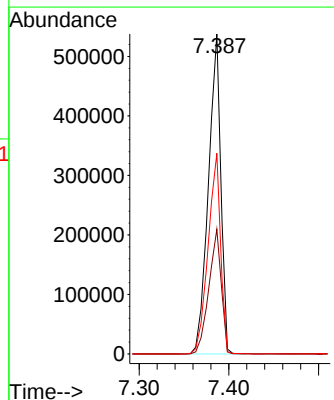
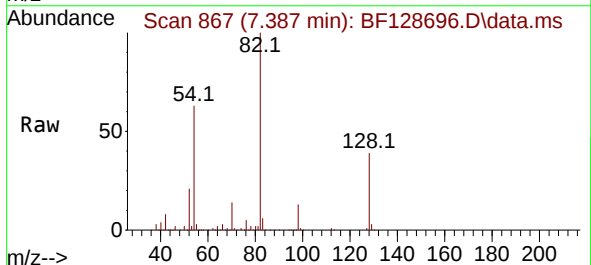
Instrument :
BNA_F
ClientSampleId :
RBR-346

Tgt Ion	136	Resp:	293915
	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	9.5	7.5	11.3
68	4.7	4.7	7.1#



#23
Nitrobenzene-d5
Concen: 81.919 ng
RT: 7.387 min Scan# 867
Delta R.T. -0.005 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion: 82	Resp: 517138
Ion Ratio	Lower Upper
82 100	
128 39.0	34.0 51.0
54 62.7	46.9 70.3

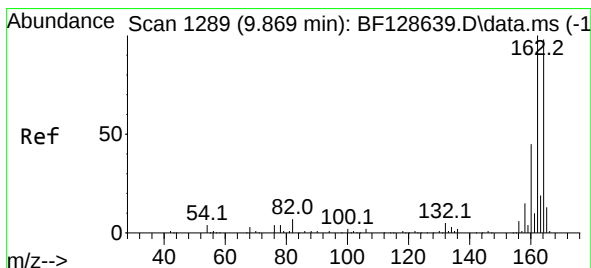
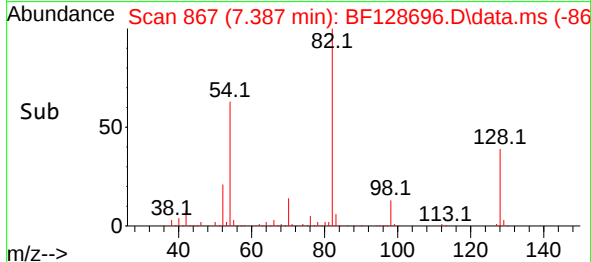
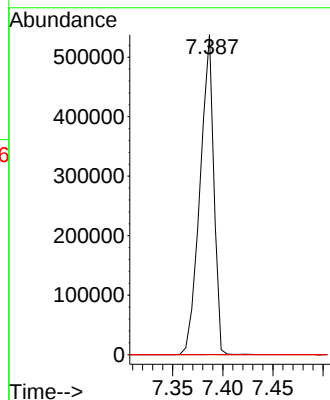
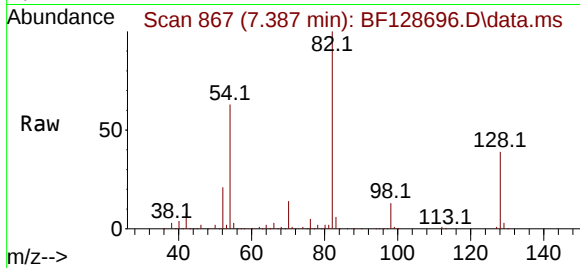




#25
Isophorone
Concen: 53.792 ng
RT: 7.387 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

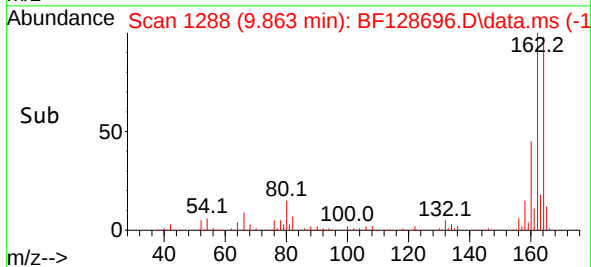
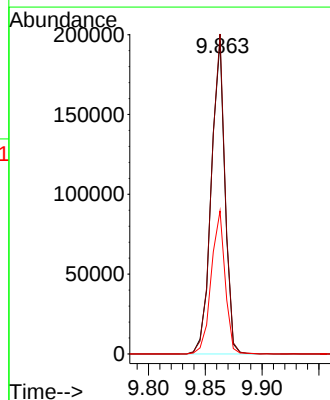
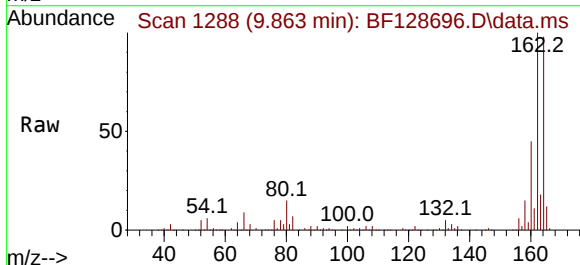
Instrument :
BNA_F
ClientSampleId :
RBR-346

Tgt Ion: 82 Resp: 515748
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:164 Resp: 164434
Ion Ratio Lower Upper
164 100
162 102.2 79.5 119.3
160 45.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 98.938 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

Instrument :

BNA_F

ClientSampleId :

RBR-346

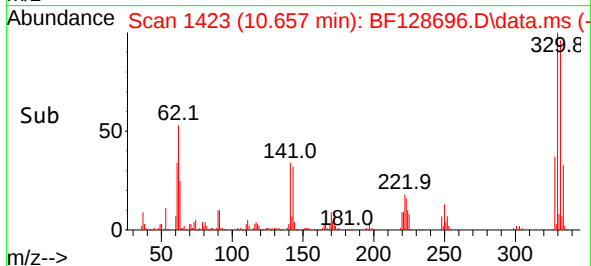
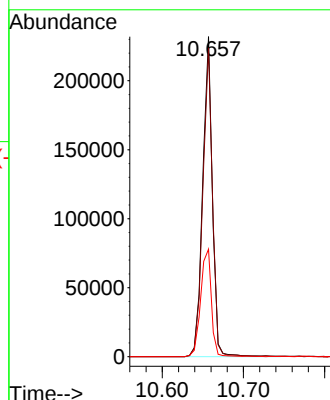
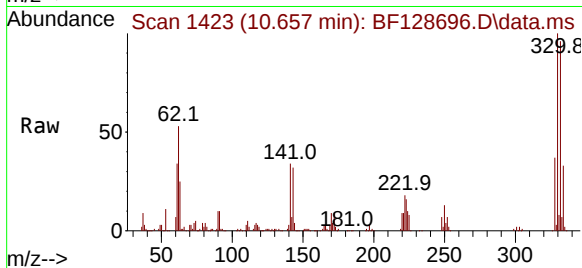
Tgt Ion:330 Resp: 192223

Ion Ratio Lower Upper

330 100

332 96.2 76.8 115.2

141 37.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 79.714 ng

RT: 9.186 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

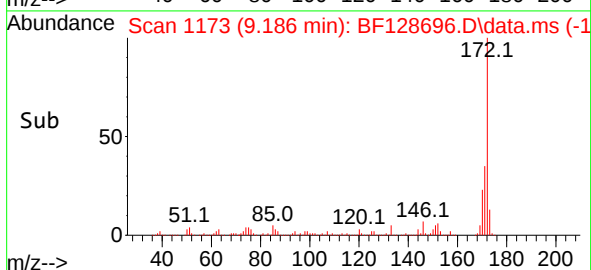
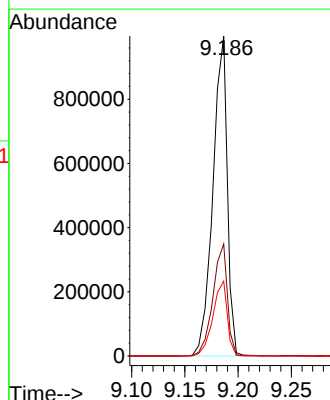
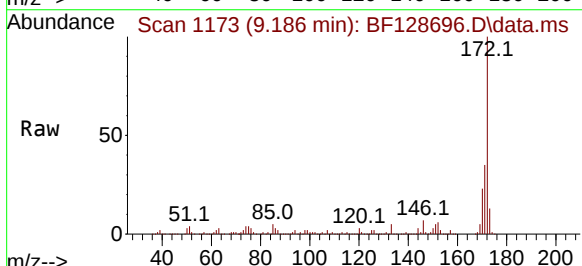
Tgt Ion:172 Resp: 935731

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.4 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 9.324 ng

RT: 9.863 min Scan# 1288

Delta R.T. 0.206 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

Instrument :

BNA_F

ClientSampleId :

RBR-346

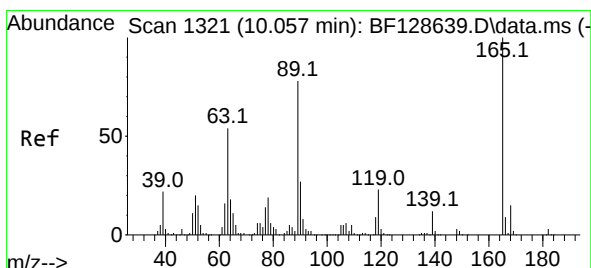
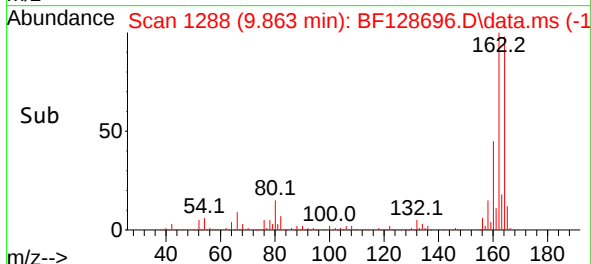
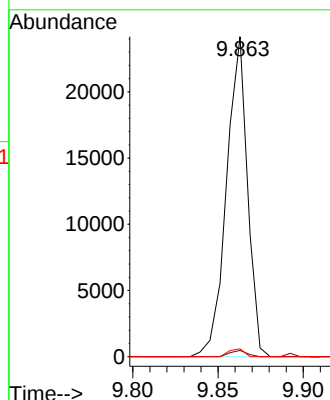
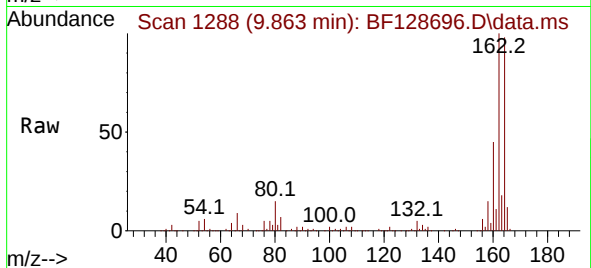
Tgt Ion:165 Resp: 20712

Ion Ratio Lower Upper

165 100

63 2.0 44.9 67.3#

89 2.5 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.986 ng

RT: 9.863 min Scan# 1288

Delta R.T. -0.194 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

Tgt Ion:165 Resp: 20712

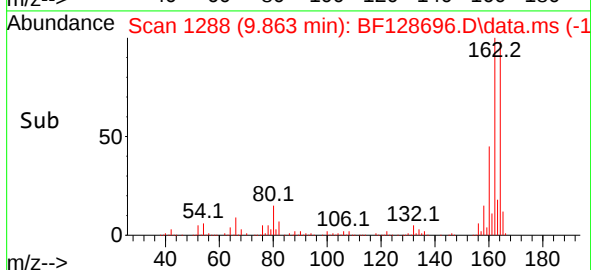
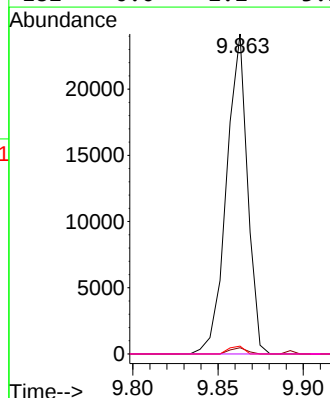
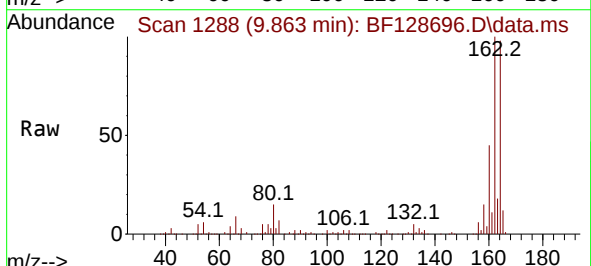
Ion Ratio Lower Upper

165 100

63 2.0 39.8 59.6#

89 2.5 60.2 90.2#

182 0.0 2.2 3.2#

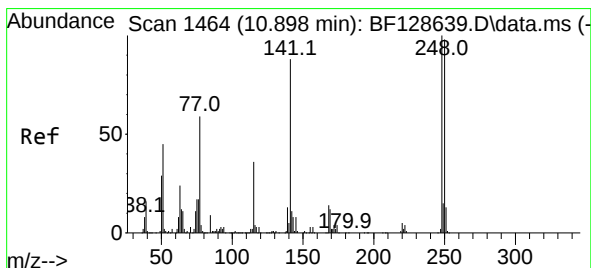
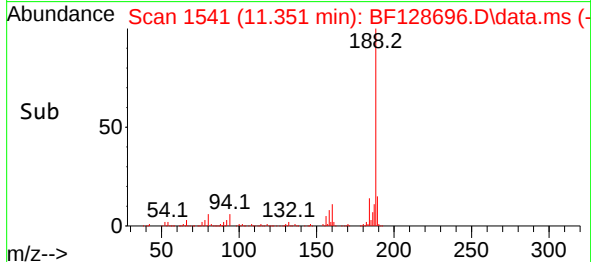
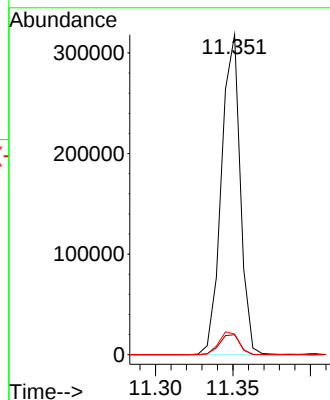
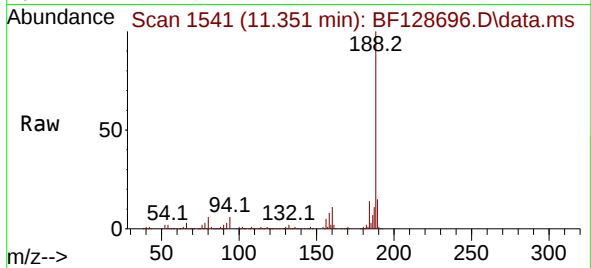




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

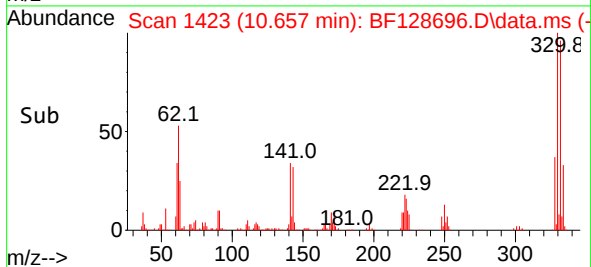
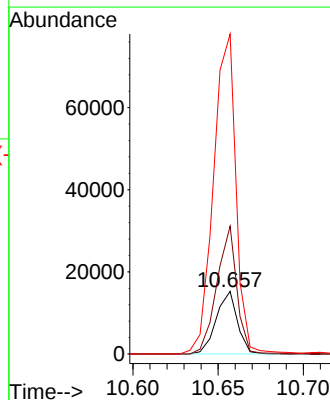
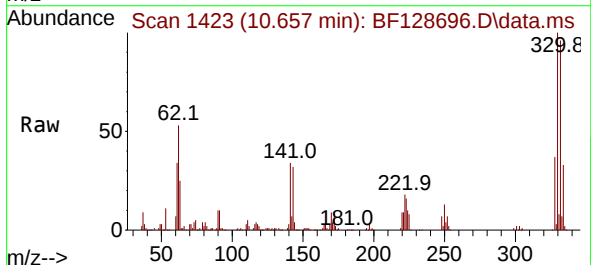
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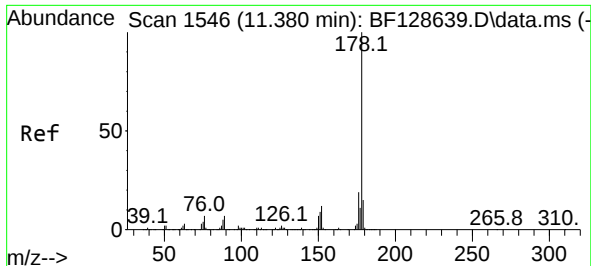
Tgt Ion:188 Resp: 269074
Ion Ratio Lower Upper
188 100
94 6.3 7.0 10.6#
80 6.5 7.6 11.4#



#67
4-Bromophenyl-phenylether
Concen: 4.381 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.241 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:248 Resp: 13147
Ion Ratio Lower Upper
248 100
250 204.5 80.6 120.8#
141 512.0 58.9 88.3#

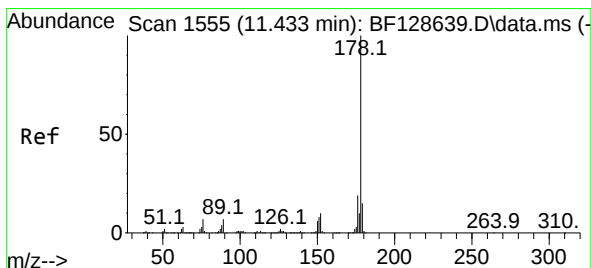
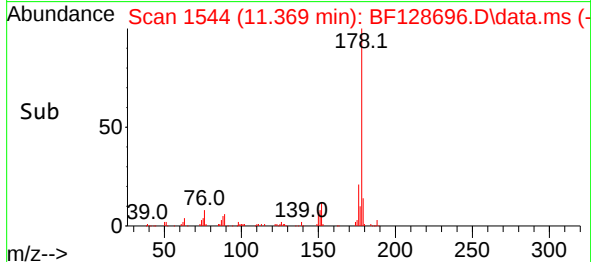
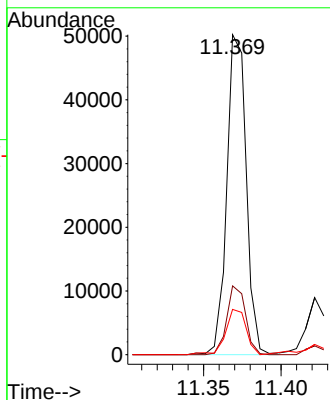
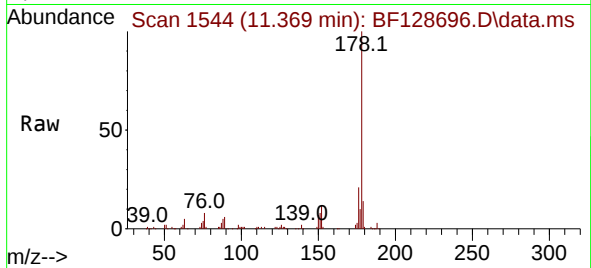




#71
Phenanthrene
Concen: 3.246 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

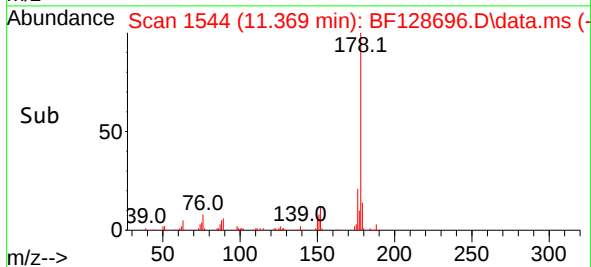
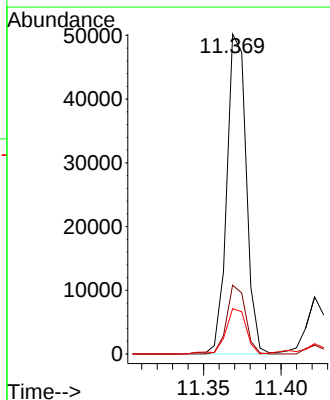
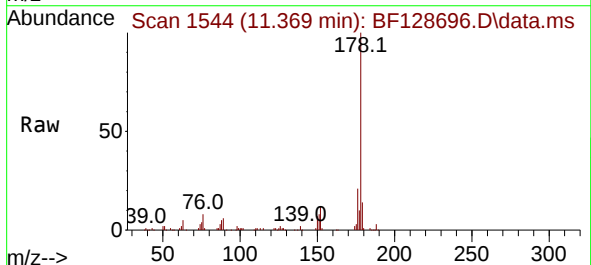
Instrument :
BNA_F
ClientSampleId :
RBR-346

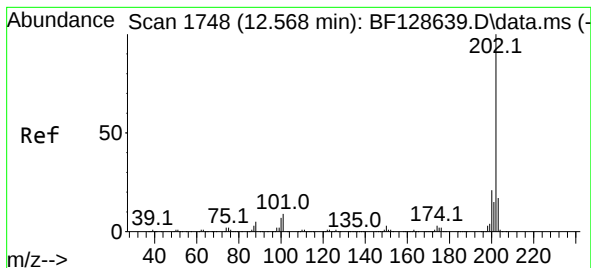
Tgt Ion:178 Resp: 43805
Ion Ratio Lower Upper
178 100
176 21.5 16.0 24.0
179 14.1 12.6 19.0



#72
Anthracene
Concen: 3.279 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.065 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:178 Resp: 43805
Ion Ratio Lower Upper
178 100
176 21.5 15.4 23.2
179 14.1 12.6 19.0





#75

Fluoranthene

Concen: 4.742 ng

RT: 12.563 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

Instrument :

BNA_F

ClientSampleId :

RBR-346

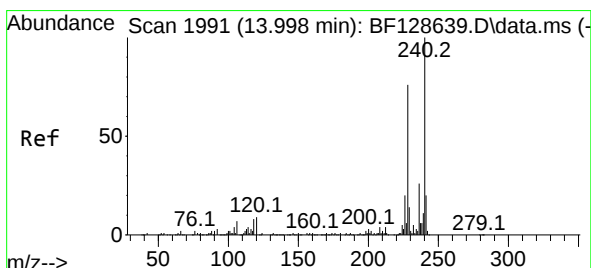
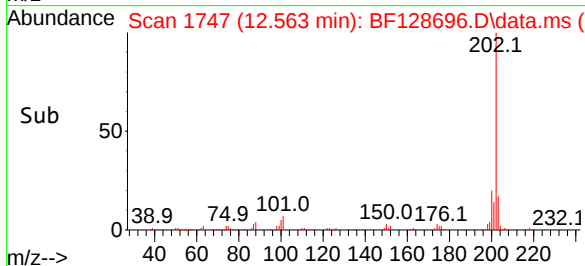
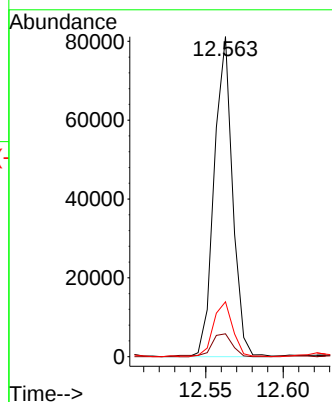
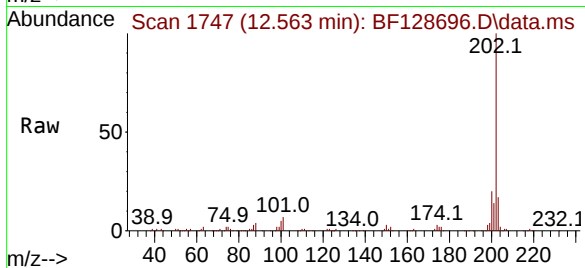
Tgt Ion:202 Resp: 66896

Ion Ratio Lower Upper

202 100

101 7.2 0.0 31.4

203 17.2 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 1990

Delta R.T. -0.006 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

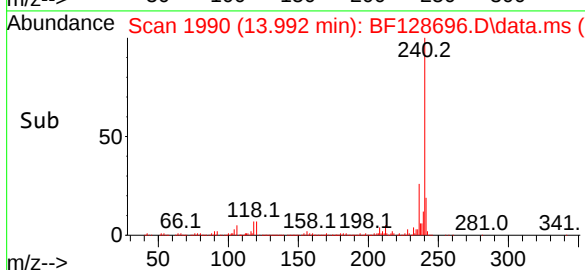
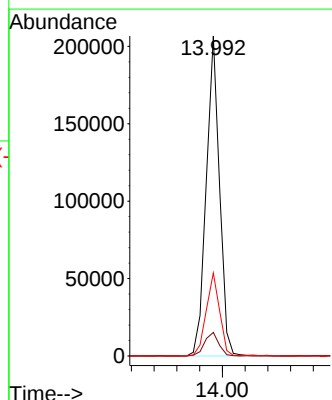
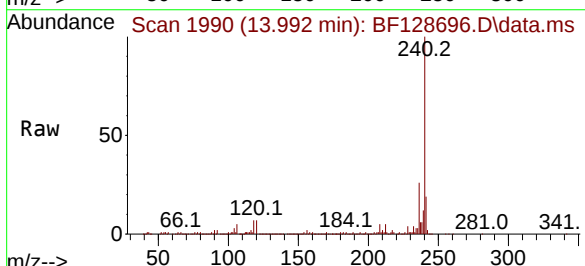
Tgt Ion:240 Resp: 167544

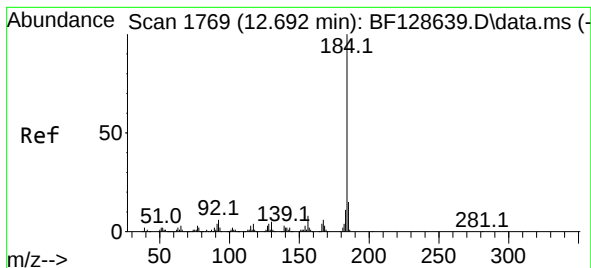
Ion Ratio Lower Upper

240 100

120 7.3 8.9 13.3#

236 26.0 20.8 31.2





#77

Benzidine

Concen: 3.405 ng

RT: 12.939 min Scan# 1811

Delta R.T. 0.247 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

Instrument :

BNA_F

ClientSampleId :

RBR-346

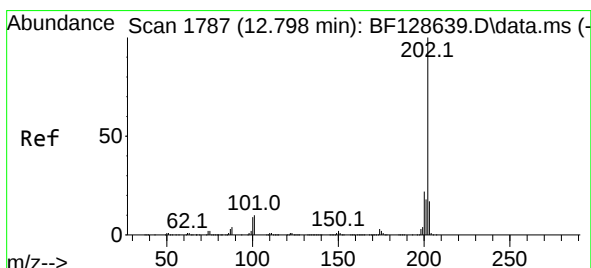
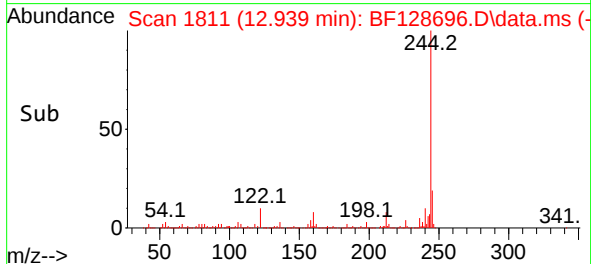
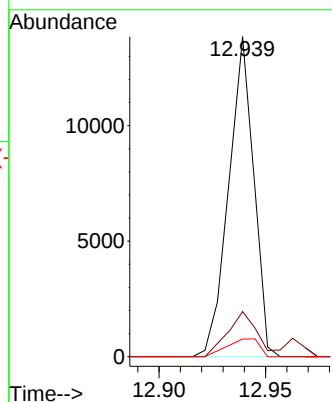
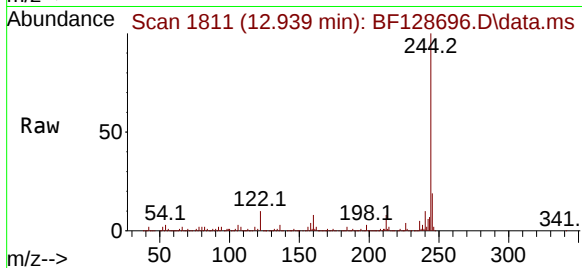
Tgt Ion:184 Resp: 11373

Ion Ratio Lower Upper

184 100

185 14.1 11.9 17.9

183 5.5 9.3 13.9#



#78

Pyrene

Concen: 4.656 ng

RT: 12.792 min Scan# 1786

Delta R.T. -0.006 min

Lab File: BF128696.D

Acq: 06 Jun 2022 15:00

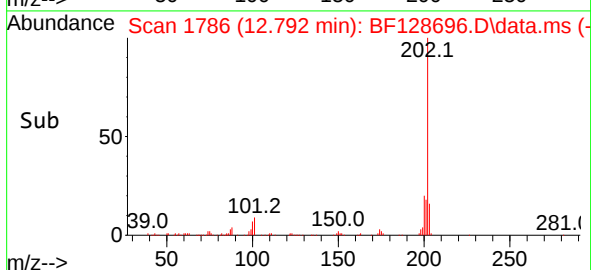
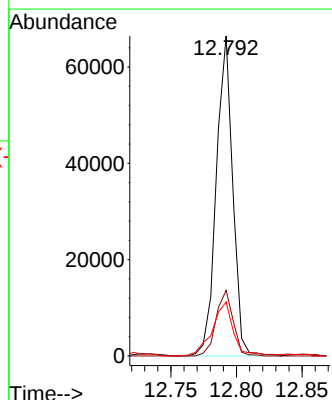
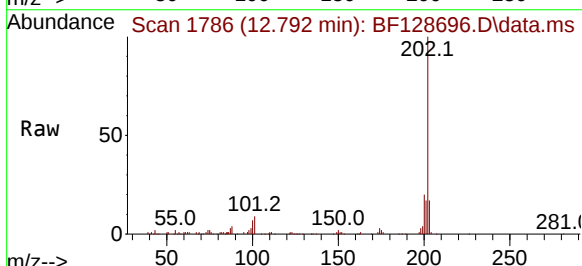
Tgt Ion:202 Resp: 58042

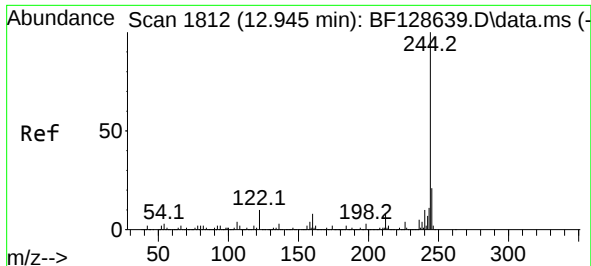
Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

203 16.8 14.6 21.8

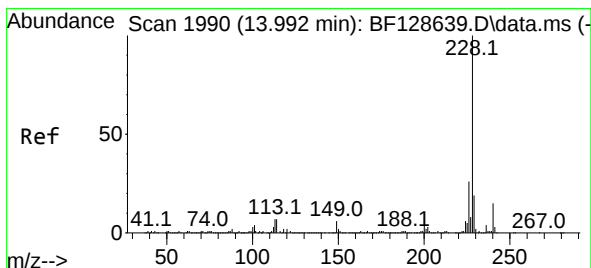
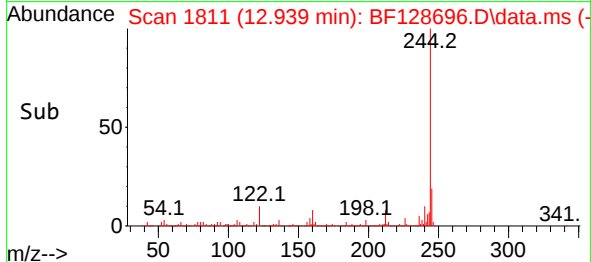
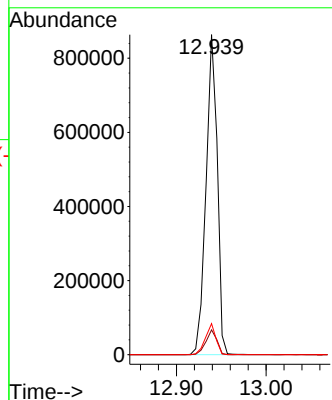
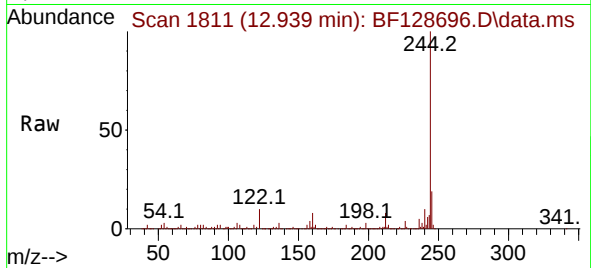




#79
 Terphenyl-d14
 Concen: 77.971 ng
 RT: 12.939 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128696.D
 Acq: 06 Jun 2022 15:00

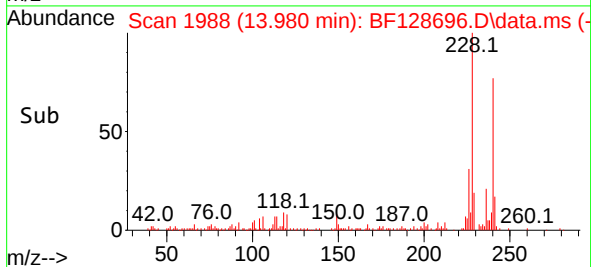
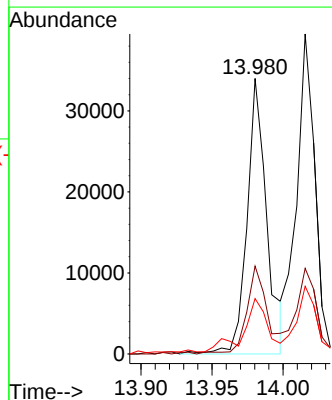
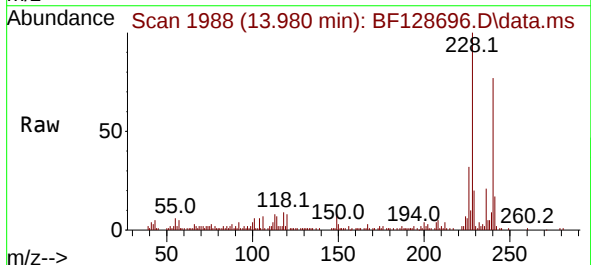
Instrument :
 BNA_F
 ClientSampleId :
 RBR-346

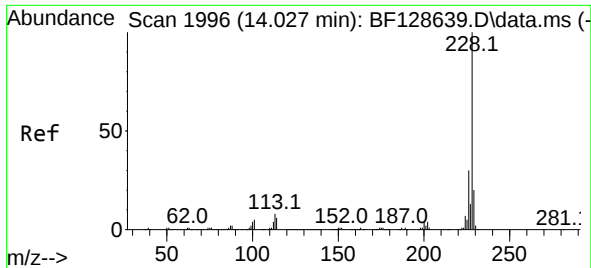
Tgt Ion:244 Resp: 751801
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 9.7 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.136 ng
 RT: 13.980 min Scan# 1988
 Delta R.T. -0.012 min
 Lab File: BF128696.D
 Acq: 06 Jun 2022 15:00

Tgt Ion:228 Resp: 32752
 Ion Ratio Lower Upper
 228 100
 226 31.9 22.1 33.1
 229 20.1 15.8 23.8

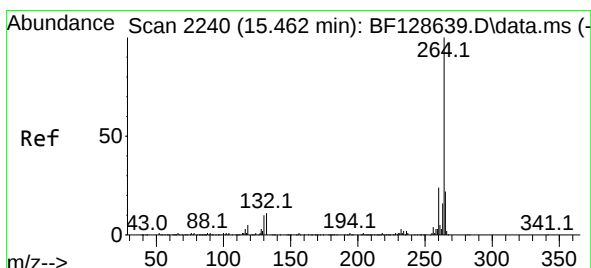
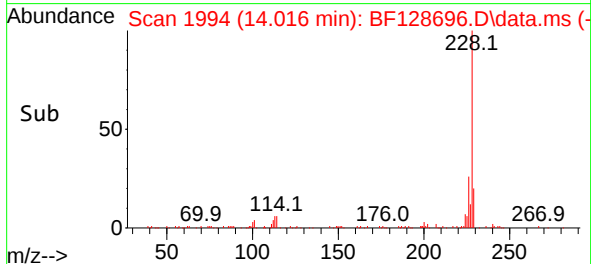
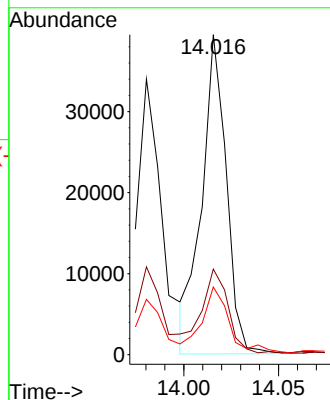
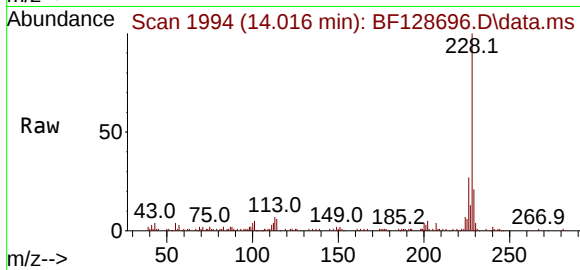




#83
Chrysene
Concen: 3.570 ng
RT: 14.016 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

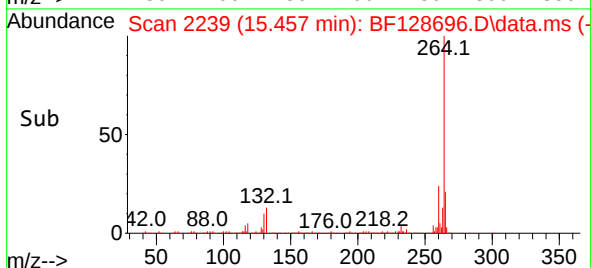
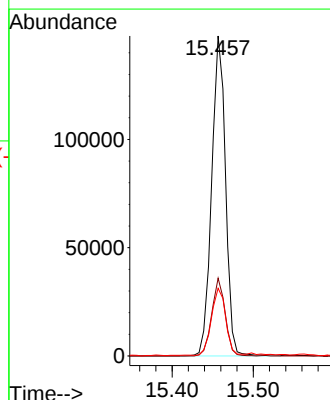
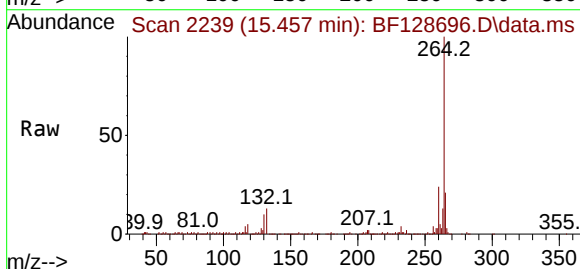
Instrument :
BNA_F
ClientSampleId :
RBR-346

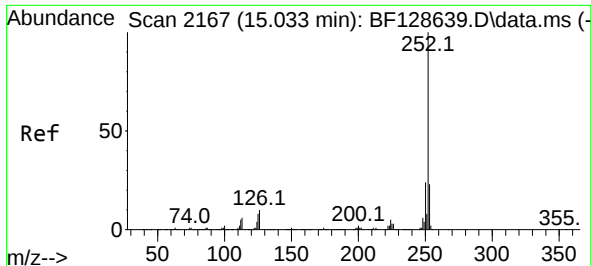
Tgt Ion:228 Resp: 35544
Ion Ratio Lower Upper
228 100
226 26.8 24.3 36.5
229 21.2 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2239
Delta R.T. -0.005 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:264 Resp: 175085
Ion Ratio Lower Upper
264 100
260 24.3 18.4 27.6
265 21.2 17.2 25.8

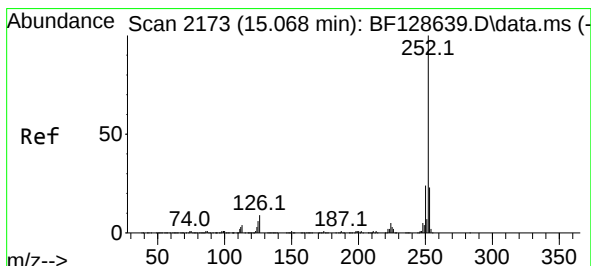
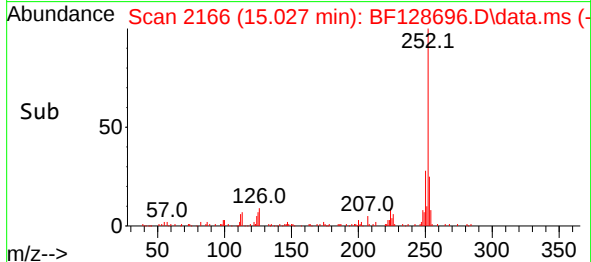
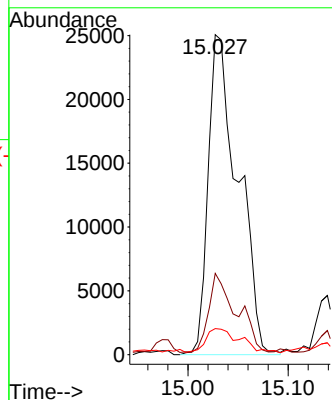
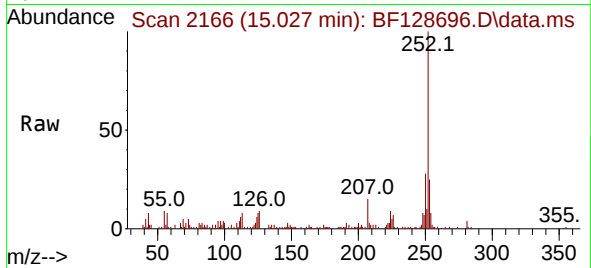




#88
Benzo(b)fluoranthene
Concen: 4.642 ng
RT: 15.027 min Scan# 2166
Delta R.T. -0.006 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

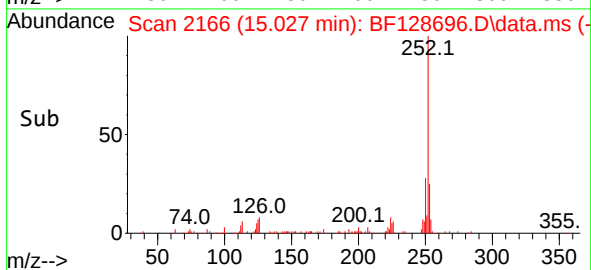
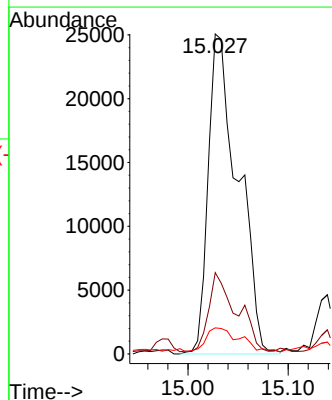
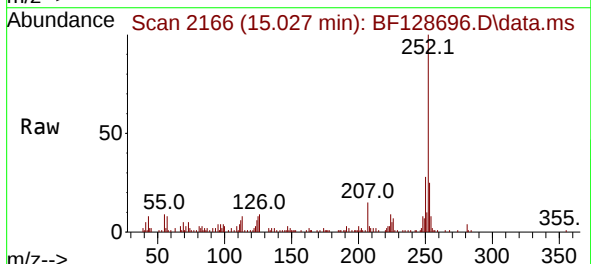
Instrument :
BNA_F
ClientSampleId :
RBR-346

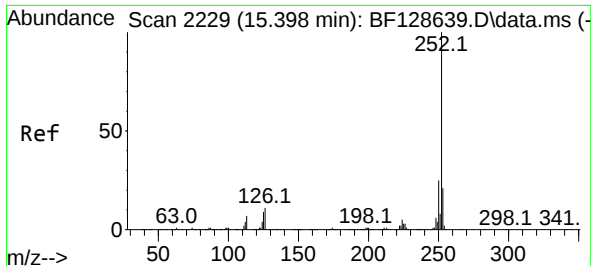
Tgt Ion:252 Resp: 51935
Ion Ratio Lower Upper
252 100
253 25.4 17.7 26.5
125 8.2 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 4.935 ng
RT: 15.027 min Scan# 2166
Delta R.T. -0.041 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:252 Resp: 51935
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 8.2 8.3 12.5#

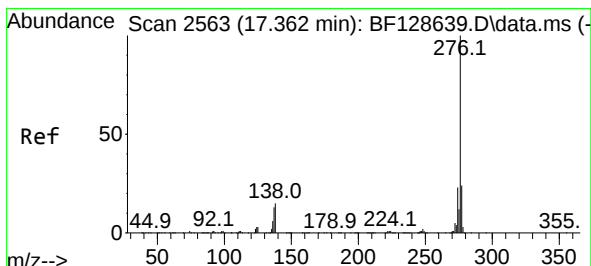
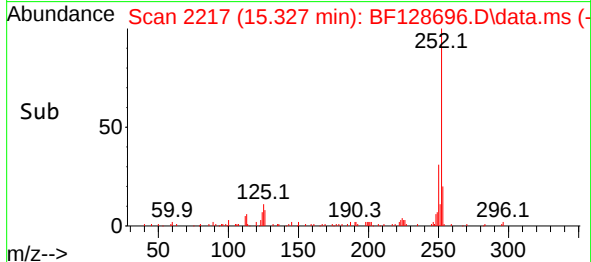
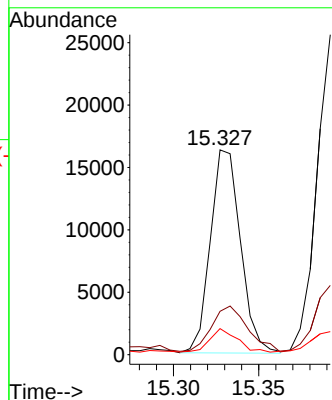
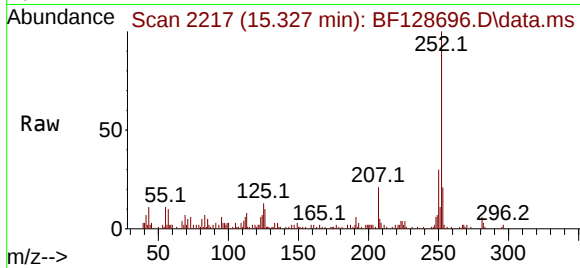




#90
Benzo(a)pyrene
Concen: 2.280 ng
RT: 15.327 min Scan# 21
Delta R.T. -0.070 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Instrument :
BNA_F
ClientSampleId :
RBR-346

Tgt Ion:252 Resp: 20046
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 12.7 8.8 13.2



#92
Benzo(g,h,i)perylene
Concen: 2.079 ng
RT: 17.339 min Scan# 2559
Delta R.T. -0.023 min
Lab File: BF128696.D
Acq: 06 Jun 2022 15:00

Tgt Ion:276 Resp: 18040
Ion Ratio Lower Upper
276 100
277 20.2 19.1 28.7
138 17.6 18.0 27.0#

