

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081722\
 Data File : BF129839.D
 Acq On : 17 Aug 2022 11:53
 Operator : CG\JU
 Sample : N4189-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB20

Quant Time: Aug 17 13:33:54 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

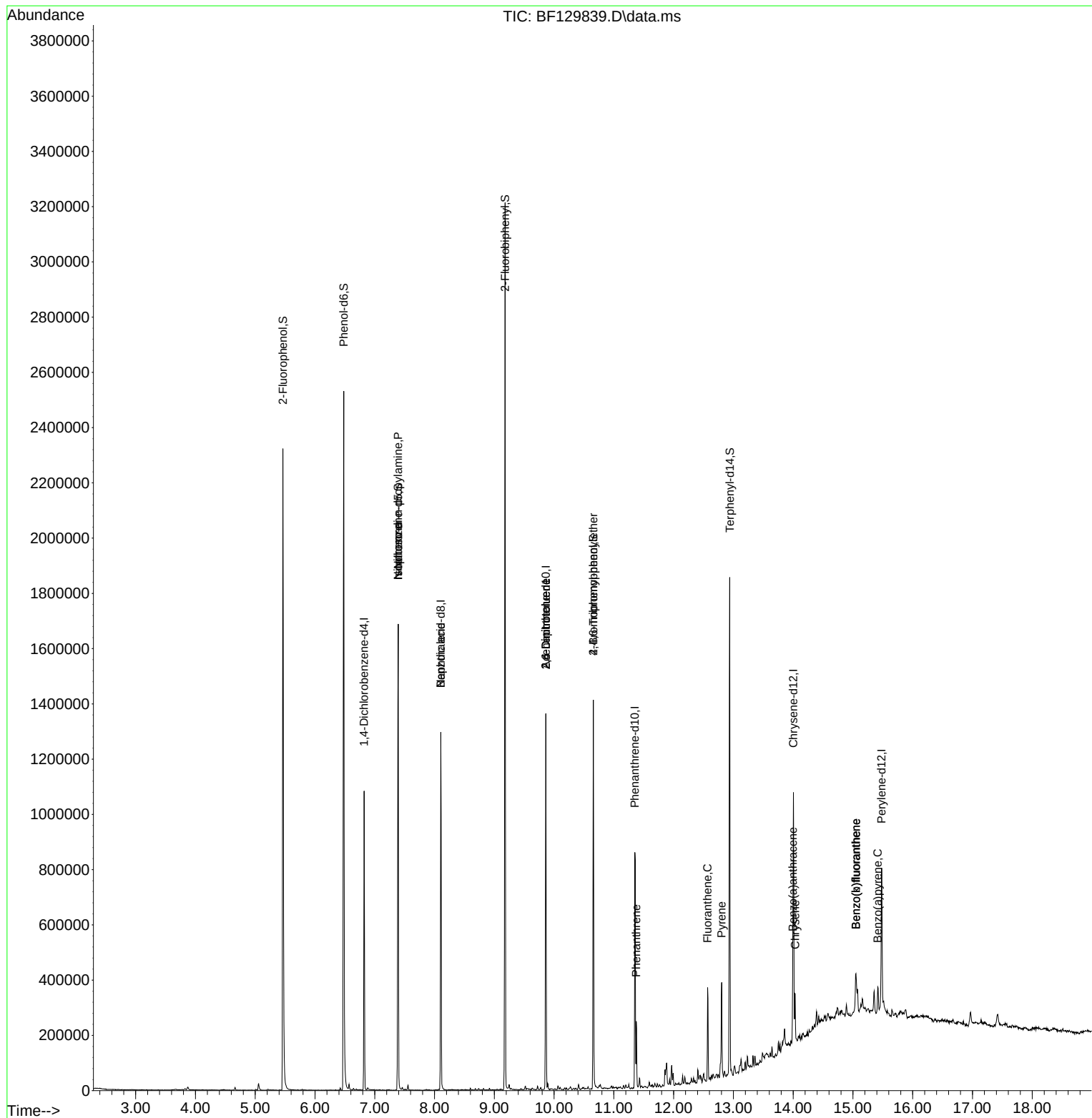
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	140155	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	539866	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	249649	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	314367	20.000	ng	0.00
76) Chrysene-d12	14.004	240	264451	20.000	ng	0.00
86) Perylene-d12	15.480	264	219856	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	654916	77.368	ng	0.00
7) Phenol-d6	6.481	99	814381	76.824	ng	0.00
23) Nitrobenzene-d5	7.392	82	512310	50.799	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	146130	58.321	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	858781	52.246	ng	0.00
79) Terphenyl-d14	12.939	244	577884	36.361	ng	0.00
Target Compounds						
9) Benzaldehyde	6.392	77	246	Below Cal	Qvalue	# 52
19) n-Nitroso-di-n-propyla...	7.392	70	69017	10.300	ng	# 75
25) Isophorone	7.392	82	512303	29.514	ng	# 65
32) Benzoic acid	8.104	122	73	2.178	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	32322	8.326	ng	# 23
57) 2,4-Dinitrotoluene	9.863	165	32322	6.414	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	9051	2.458	ng	# 1
71) Phenanthrene	11.374	178	86628	4.934	ng	98
75) Fluoranthene	12.568	202	124679	6.940	ng	97
77) Benzidine	12.663	184	329	Below Cal	#	1
78) Pyrene	12.804	202	135554	5.899	ng	98
81) Benzo(a)anthracene	13.992	228	72380	3.979	ng	99
83) Chrysene	14.033	228	69340	4.072	ng	96
88) Benzo(b)fluoranthene	15.051	252	95315	6.331	ng	# 94
89) Benzo(k)fluoranthene	15.051	252	95315	6.602	ng	# 94
90) Benzo(a)pyrene	15.415	252	48891	4.124	ng	# 91

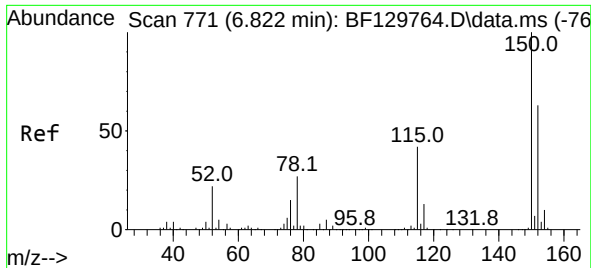
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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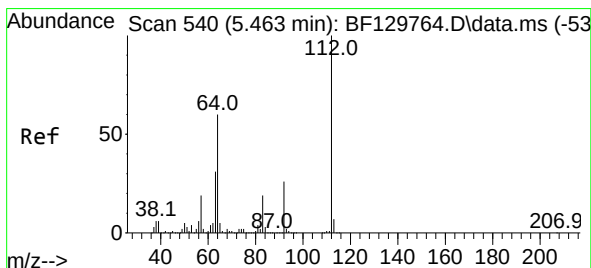
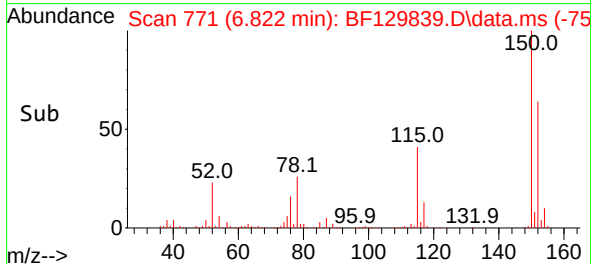
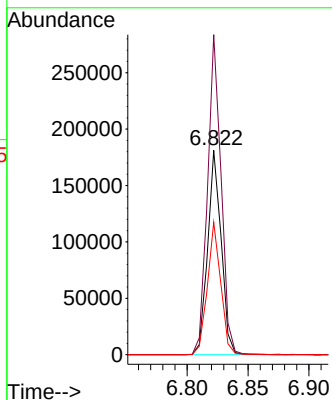
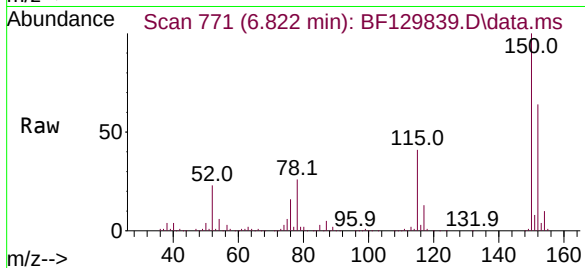




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 771
Delta R.T. -0.000 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

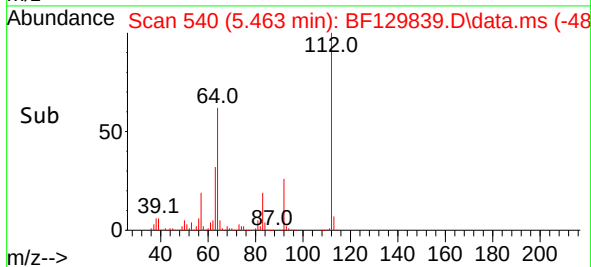
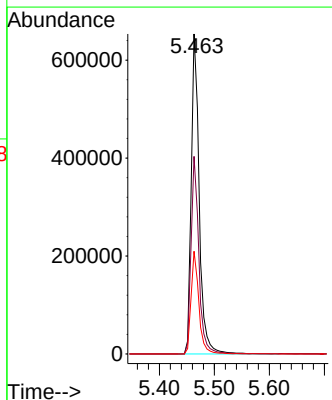
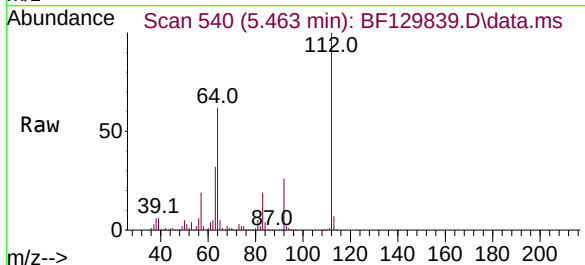
Instrument :
BNA_F
ClientSampleId :
SB20

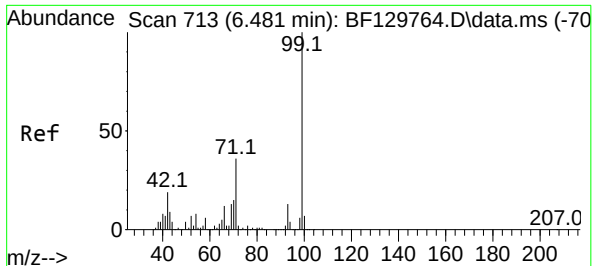
Tgt Ion:152 Resp: 140155
Ion Ratio Lower Upper
152 100
150 156.6 126.9 190.3
115 64.9 53.4 80.0



#5
2-Fluorophenol
Concen: 77.368 ng
RT: 5.463 min Scan# 540
Delta R.T. -0.000 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:112 Resp: 654916
Ion Ratio Lower Upper
112 100
64 61.8 47.6 71.4
63 32.1 24.6 37.0

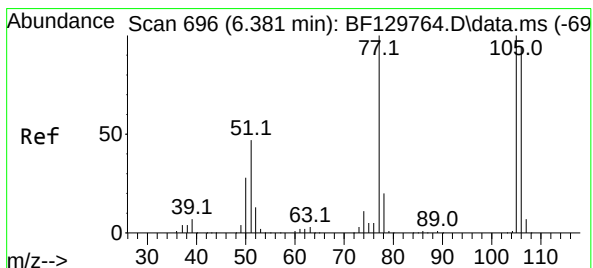
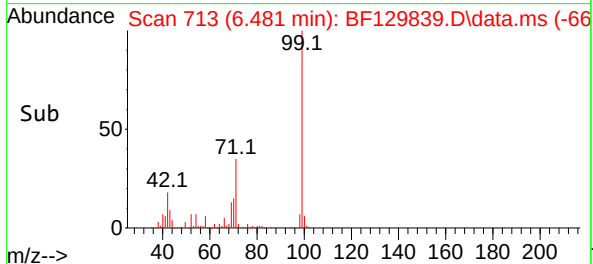
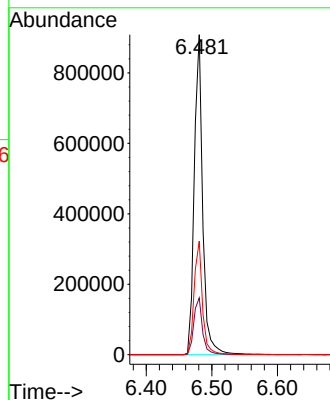
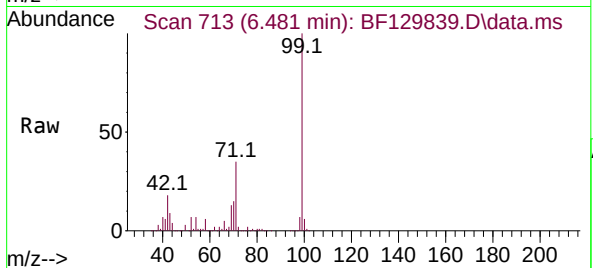




#7
Phenol-d6
Concen: 76.824 ng
RT: 6.481 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

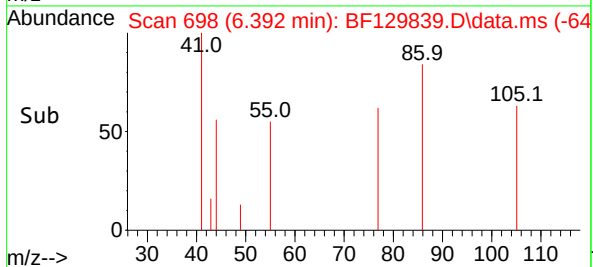
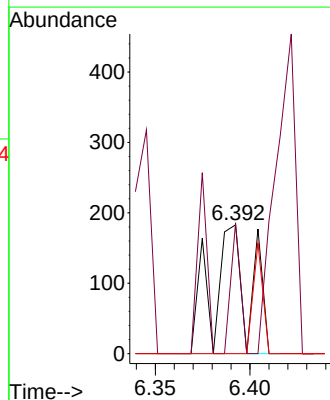
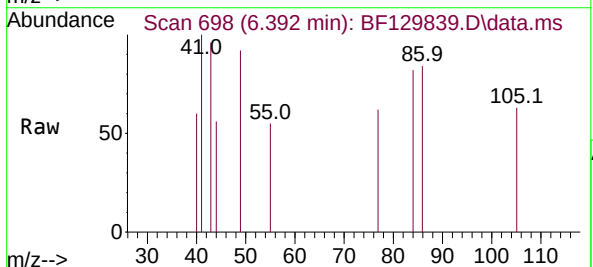
Instrument :
BNA_F
ClientSampleId :
SB20

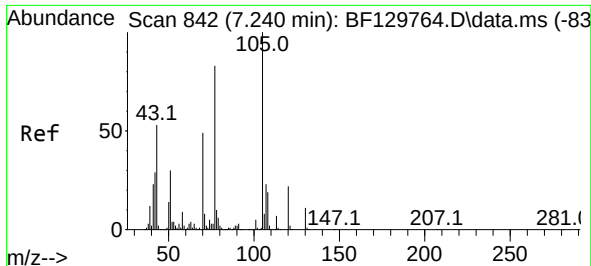
Tgt Ion: 99 Resp: 814381
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.4
71 35.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.392 min Scan# 698
Delta R.T. 0.011 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion: 77 Resp: 246
Ion Ratio Lower Upper
77 100
105 101.6 80.3 120.3
106 0.0 74.3 114.3#

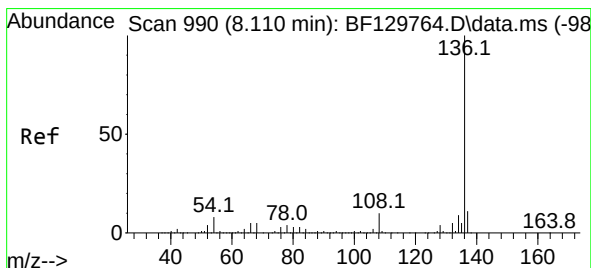
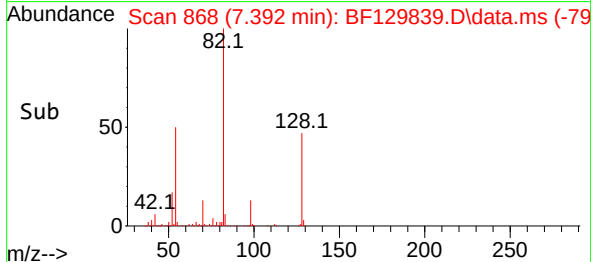
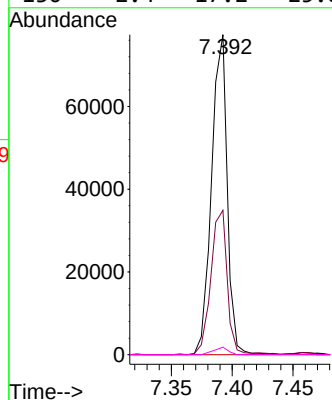
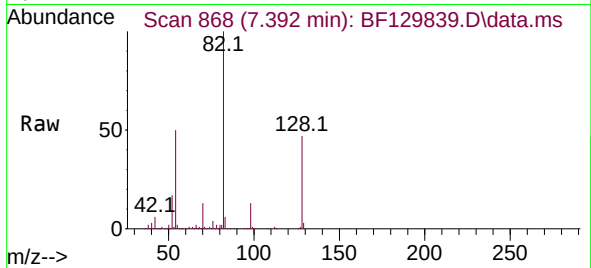




#19
n-Nitroso-di-n-propylamine
Concen: 10.300 ng
RT: 7.392 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

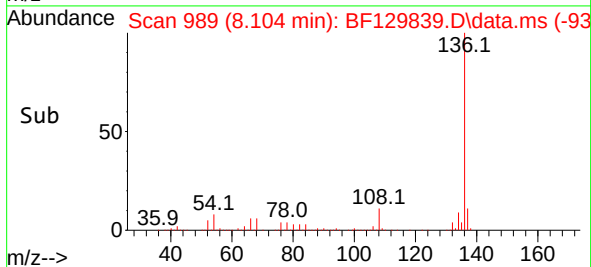
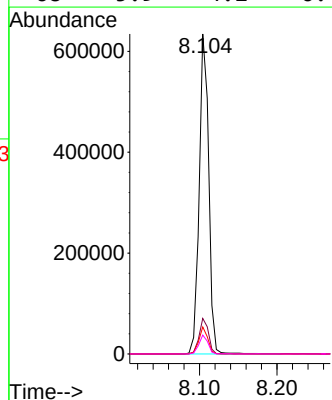
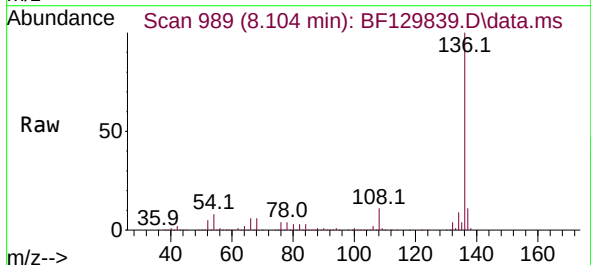
Instrument :
BNA_F
ClientSampleId :
SB20

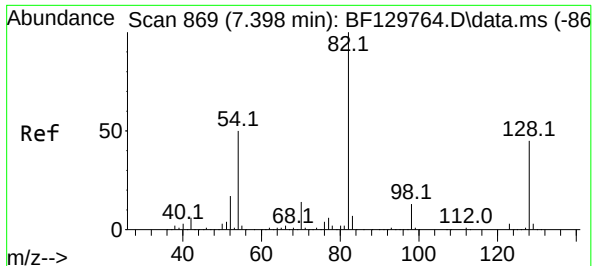
Tgt Ion: 70 Resp: 69017
Ion Ratio Lower Upper
70 100
42 45.1 47.6 71.4#
101 0.0 8.1 12.1#
130 2.4 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion: 136 Resp: 539866
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.5 6.2 9.2
68 5.9 4.2 6.4





#23

Nitrobenzene-d5

Concen: 50.799 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

Instrument :

BNA_F

ClientSampleId :

SB20

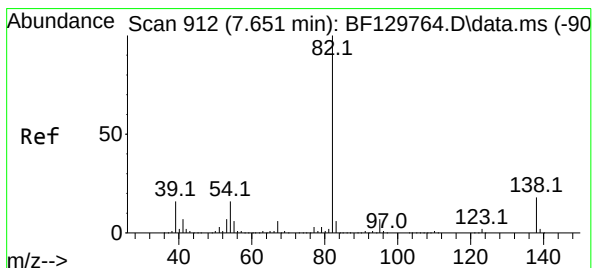
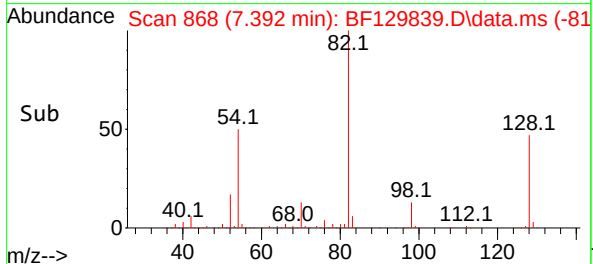
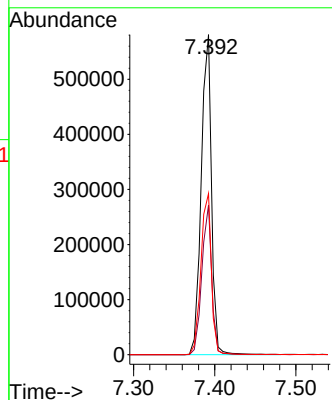
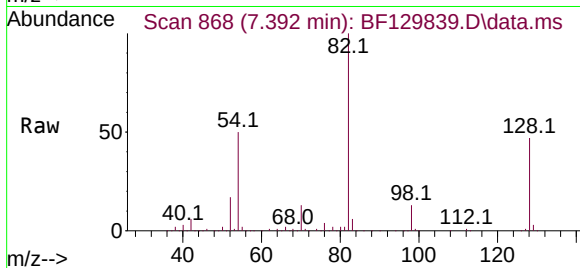
Tgt Ion: 82 Resp: 512310

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

54 50.3 40.0 60.0



#25

Isophorone

Concen: 29.514 ng

RT: 7.392 min Scan# 868

Delta R.T. -0.259 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

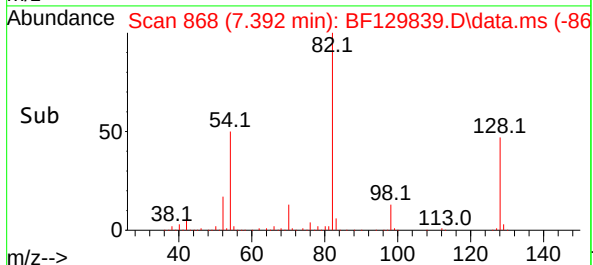
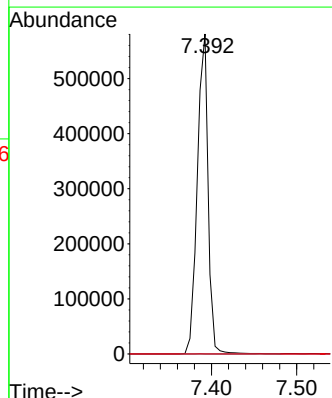
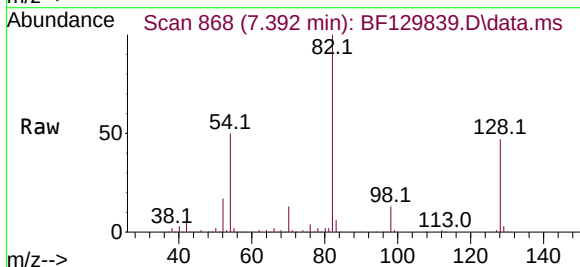
Tgt Ion: 82 Resp: 512303

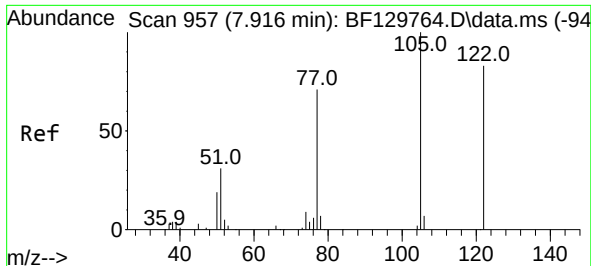
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.6 21.8#

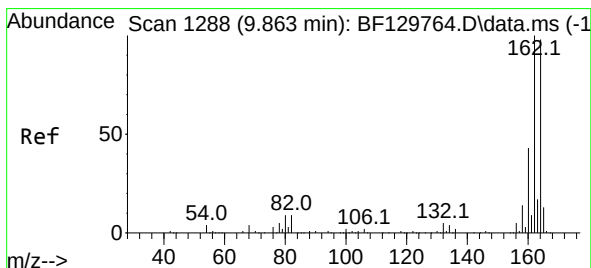
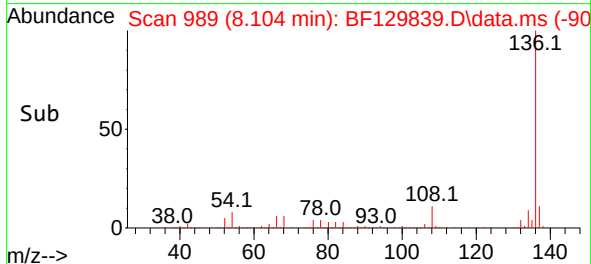
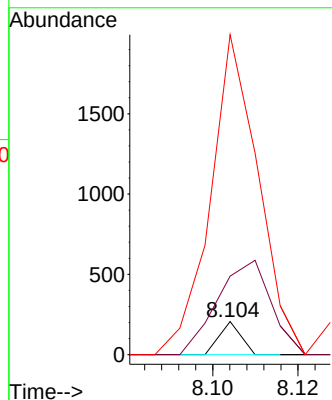
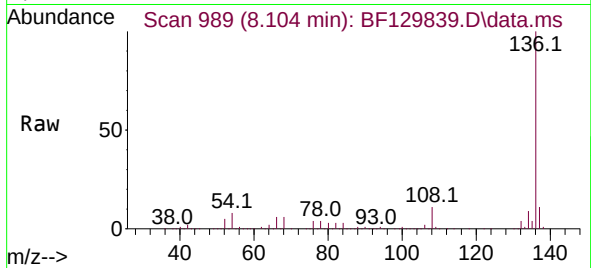




#32
Benzoic acid
Concen: 2.178 ng
RT: 8.104 min Scan# 91
Delta R.T. 0.188 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

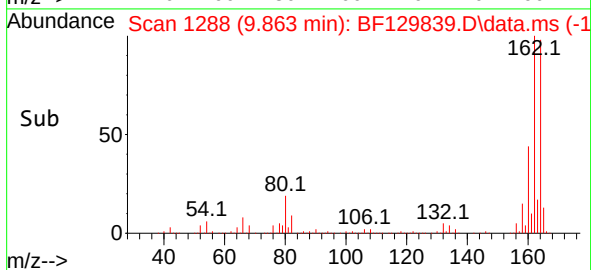
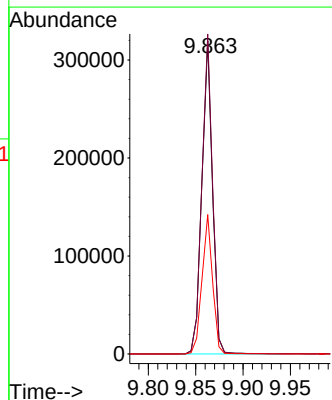
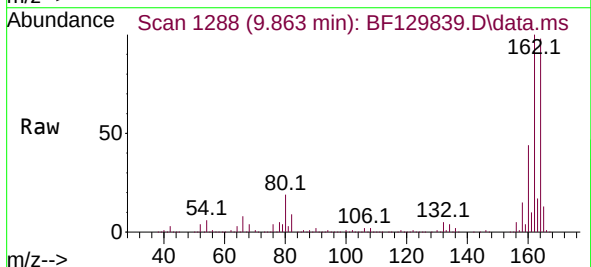
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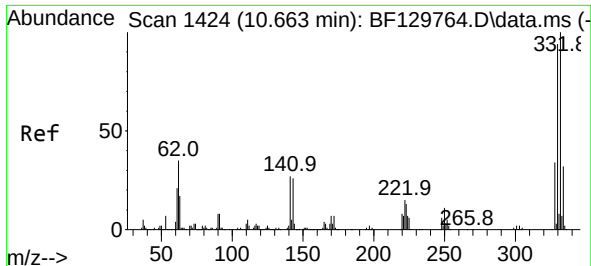
Tgt Ion:	122	Resp:	73
Ion	Ratio	Lower	Upper
122	100		
105	237.4	99.9	139.9#
77	967.5	65.9	105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:	164	Resp:	249649
Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.0	123.0
160	44.5	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 58.321 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

Instrument :

BNA_F

ClientSampleId :

SB20

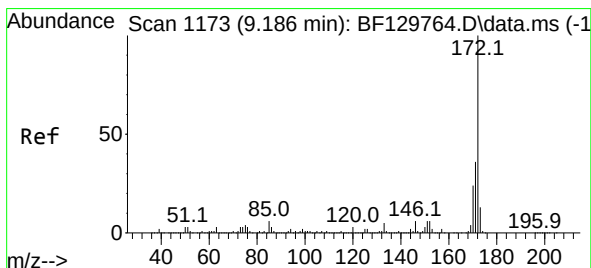
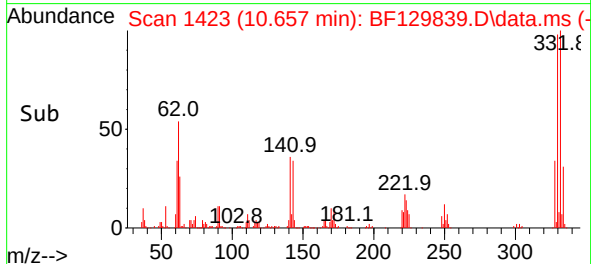
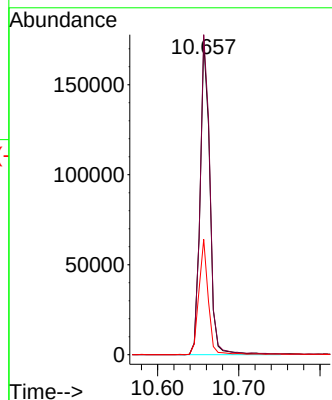
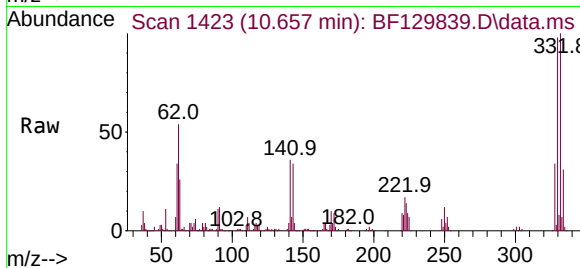
Tgt Ion:330 Resp: 146130

Ion Ratio Lower Upper

330 100

332 102.6 82.6 124.0

141 35.6 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 52.246 ng

RT: 9.180 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

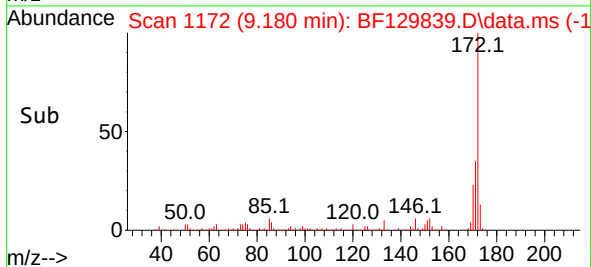
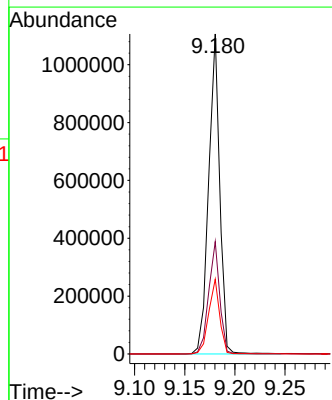
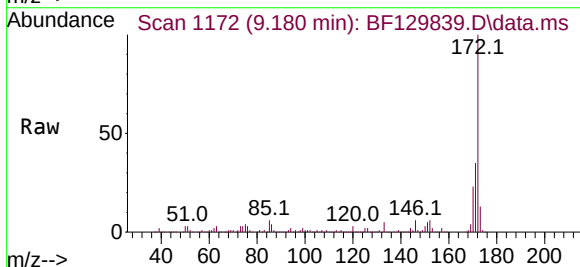
Tgt Ion:172 Resp: 858781

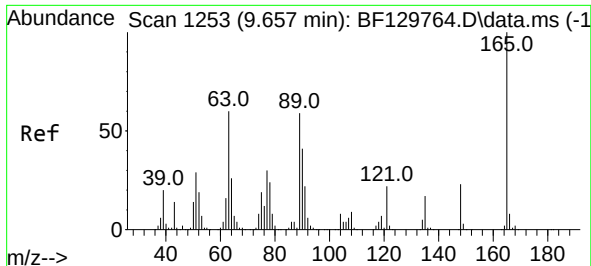
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 23.4 19.1 28.7

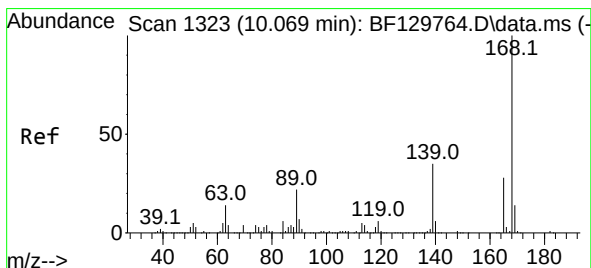
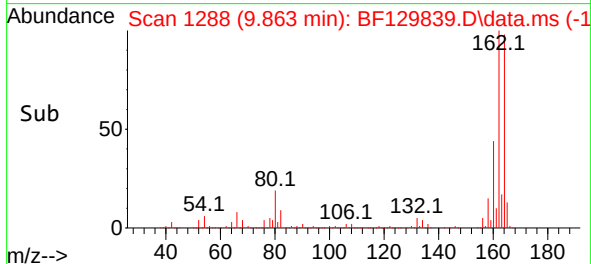
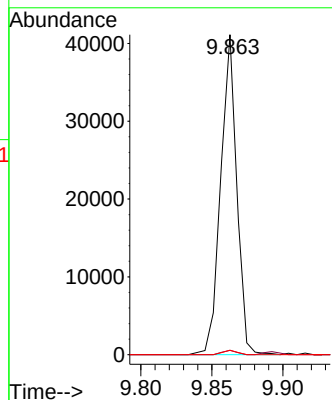
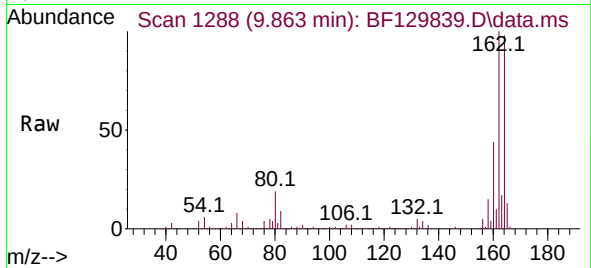




#51
2,6-Dinitrotoluene
Concen: 8.326 ng
RT: 9.863 min Scan# 1288
Delta R.T. 0.206 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

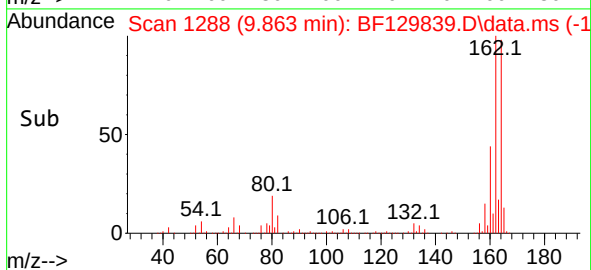
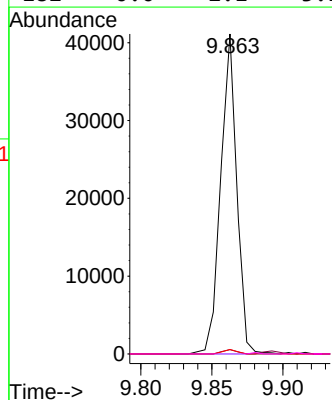
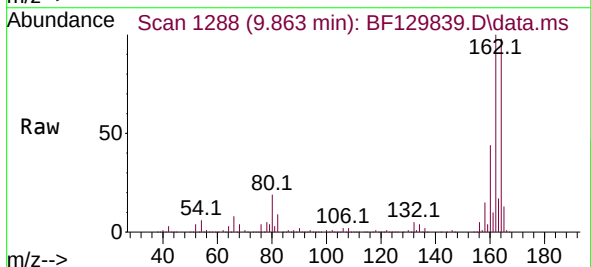
Instrument :
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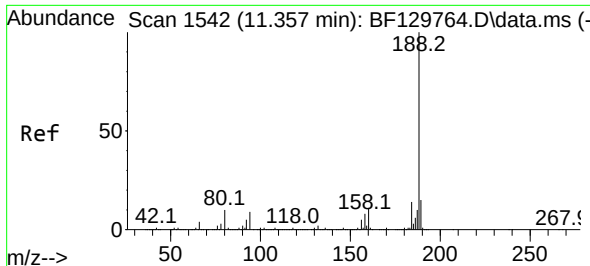
Tgt Ion:165 Resp: 32322
Ion Ratio Lower Upper
165 100
63 1.3 47.8 71.8#
89 1.4 47.2 70.8#



#57
2,4-Dinitrotoluene
Concen: 6.414 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.206 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:165 Resp: 32322
Ion Ratio Lower Upper
165 100
63 1.3 48.4 72.6#
89 1.4 62.3 93.5#
182 0.0 2.1 3.1#

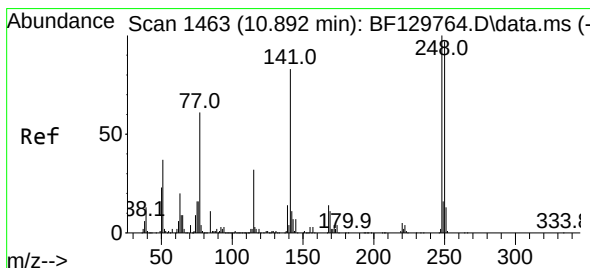
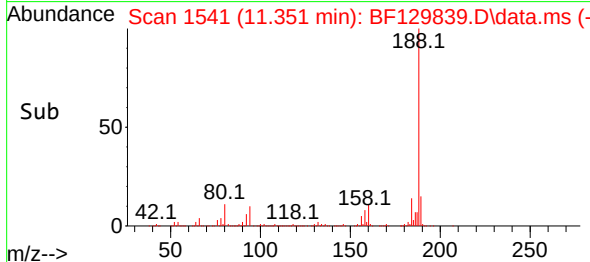
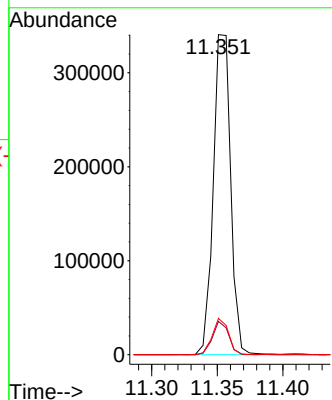
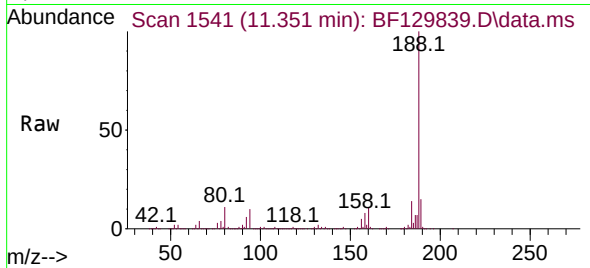




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

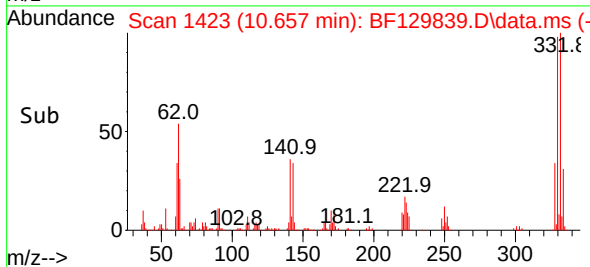
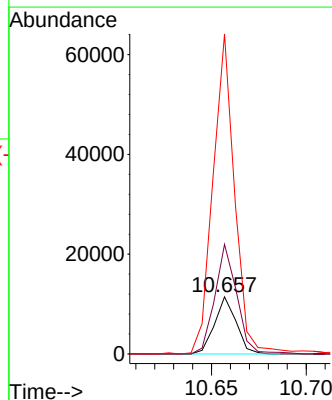
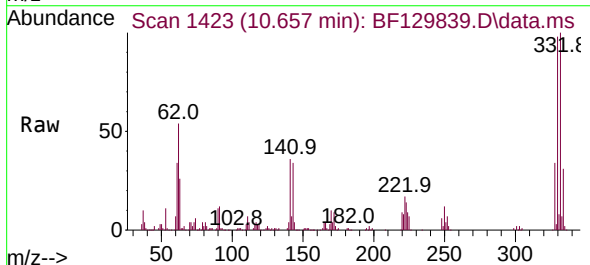
Instrument :
BNA_F
ClientSampleId :
SB20

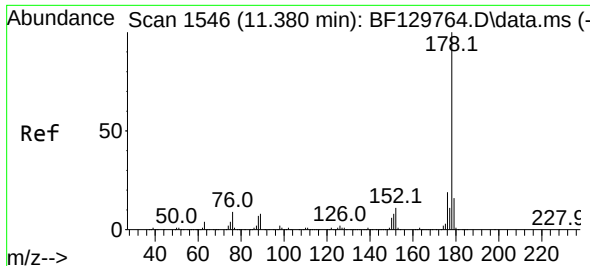
Tgt Ion:188 Resp: 314367
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 11.3 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.458 ng
RT: 10.657 min Scan# 1423
Delta R.T. -0.235 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:248 Resp: 9051
Ion Ratio Lower Upper
248 100
250 191.7 77.8 116.6#
141 559.8 66.2 99.2#

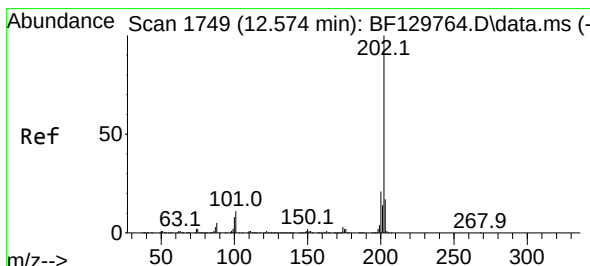
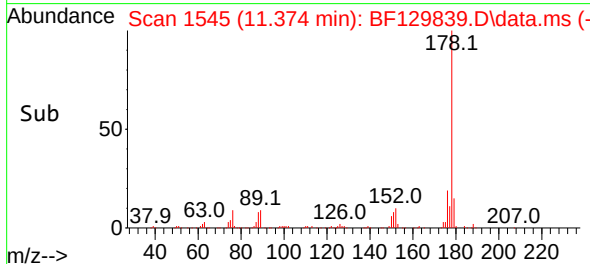
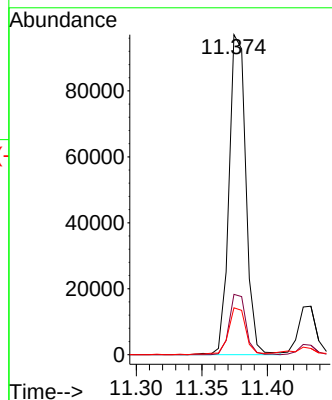
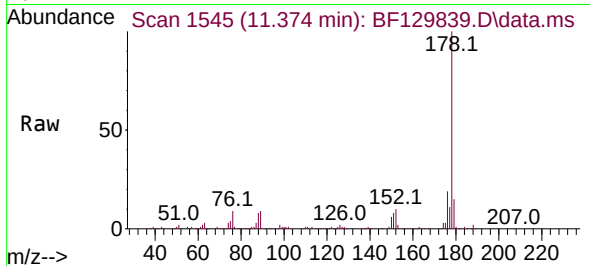




#71
Phenanthrene
Concen: 4.934 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

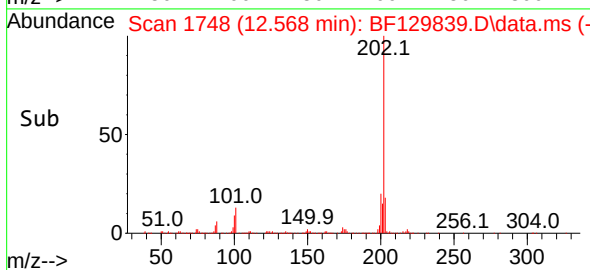
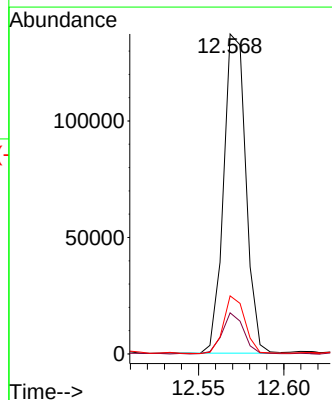
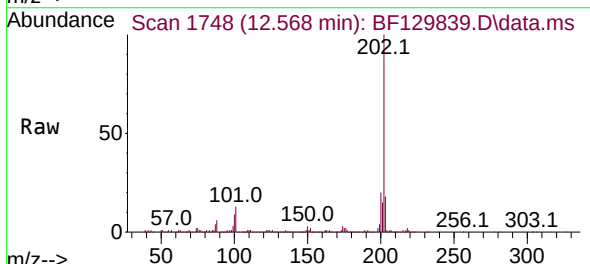
Instrument :
BNA_F
ClientSampleId :
SB20

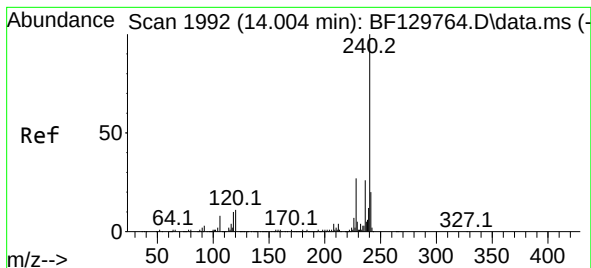
Tgt Ion:178 Resp: 86628
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.7 12.5 18.7



#75
Fluoranthene
Concen: 6.940 ng
RT: 12.568 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:202 Resp: 124679
Ion Ratio Lower Upper
202 100
101 12.9 0.0 30.7
203 18.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.000 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

Instrument :

BNA_F

ClientSampleId :

SB20

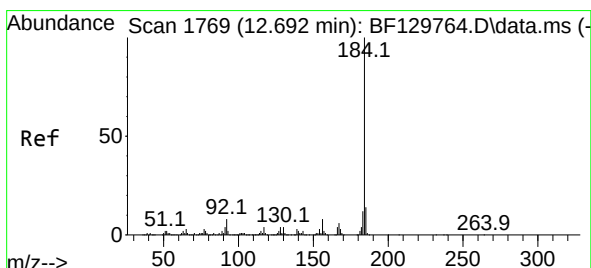
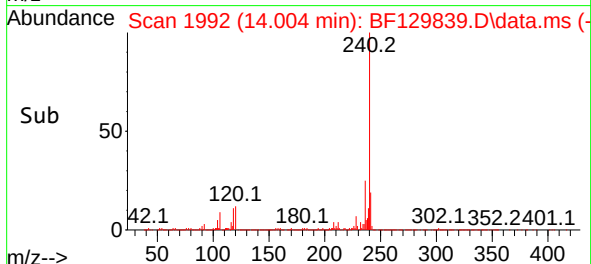
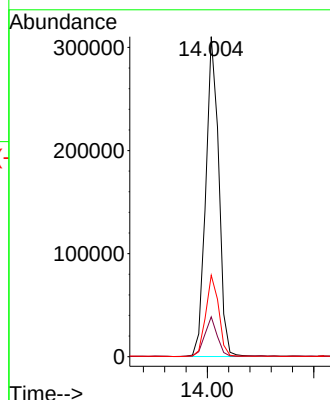
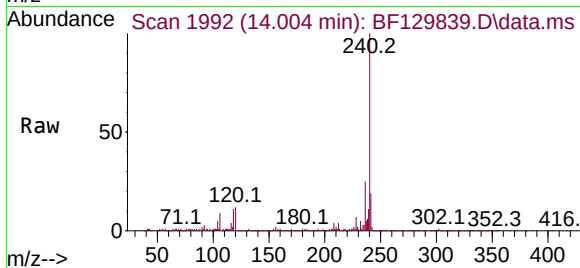
Tgt Ion:240 Resp: 264451

Ion Ratio Lower Upper

240 100

120 12.5 9.2 13.8

236 25.4 20.7 31.1



#77

Benzidine

Concen: Below Cal

RT: 12.663 min Scan# 1764

Delta R.T. -0.029 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

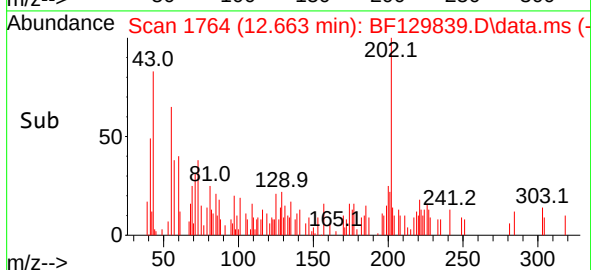
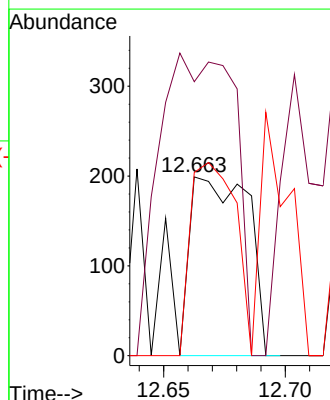
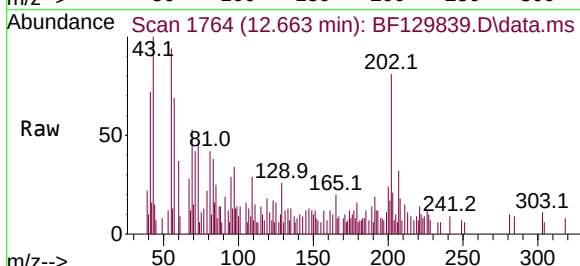
Tgt Ion:184 Resp: 329

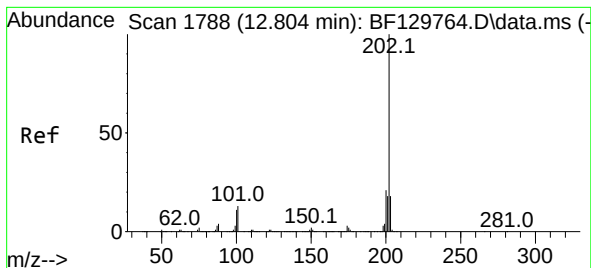
Ion Ratio Lower Upper

184 100

185 153.3 11.4 17.2#

183 102.5 9.4 14.2#





#78

Pyrene

Concen: 5.899 ng

RT: 12.804 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

Instrument :

BNA_F

ClientSampleId :

SB20

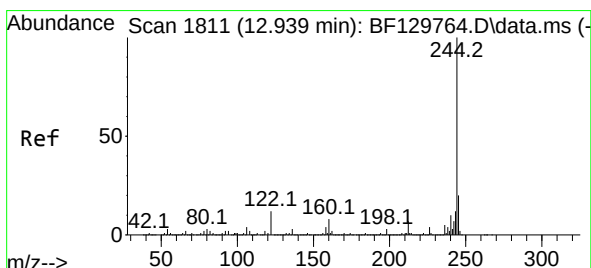
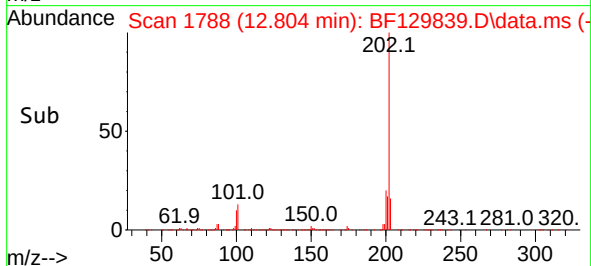
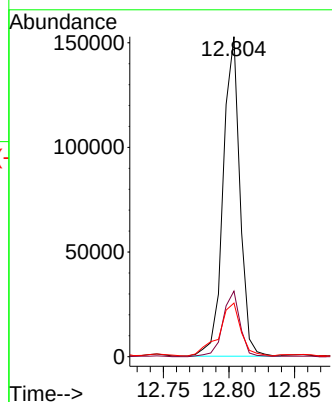
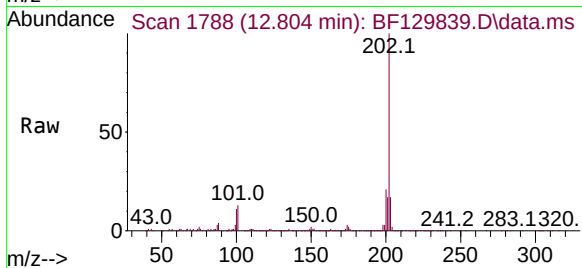
Tgt Ion:202 Resp: 135554

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

203 16.7 14.1 21.1



#79

Terphenyl-d14

Concen: 36.361 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.000 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

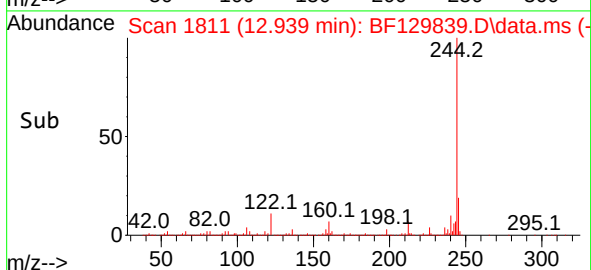
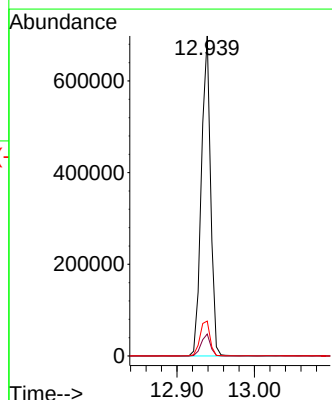
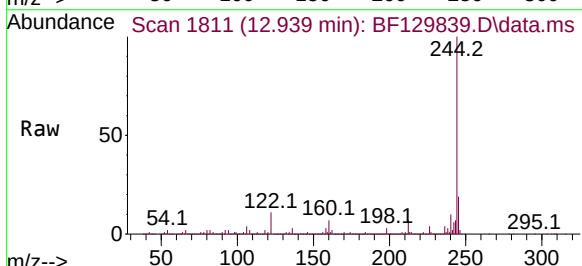
Tgt Ion:244 Resp: 577884

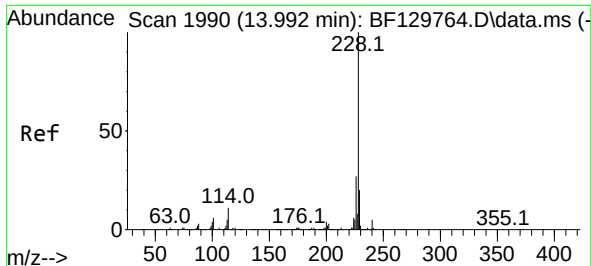
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 10.9 9.9 14.9

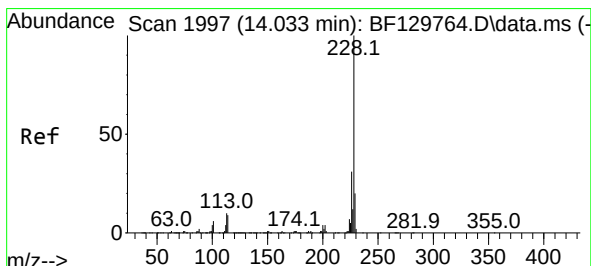
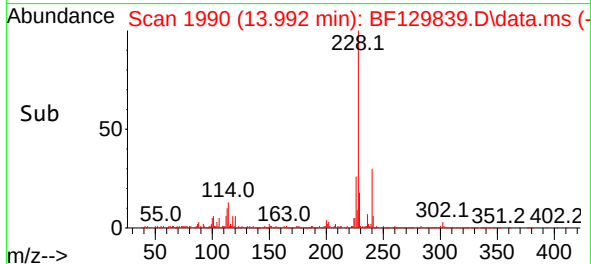
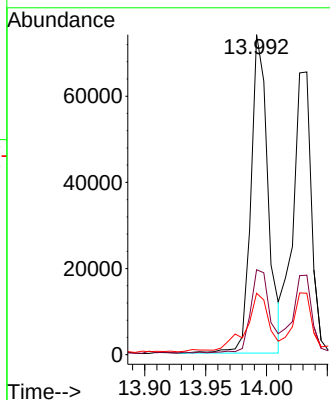
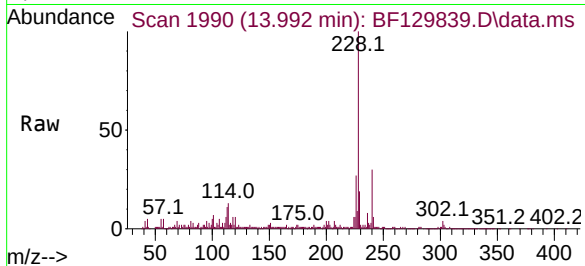




#81
Benzo(a)anthracene
Concen: 3.979 ng
RT: 13.992 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

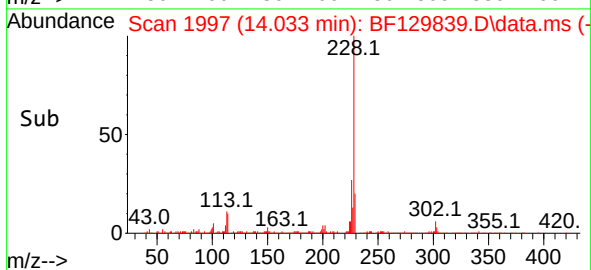
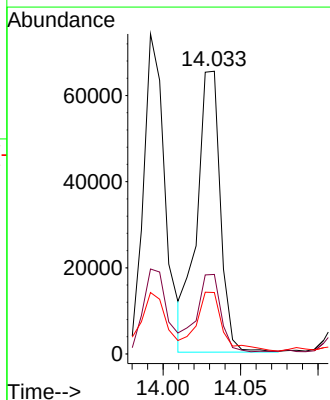
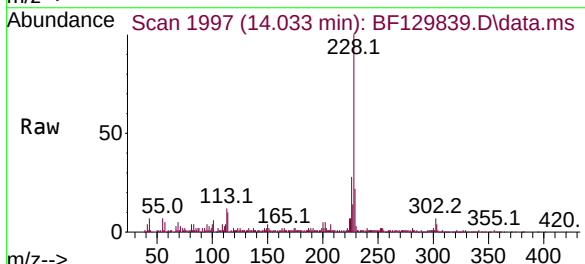
Instrument :
BNA_F
ClientSampleId :
SB20

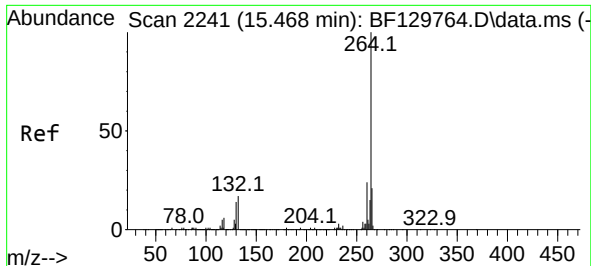
Tgt Ion:228 Resp: 72380
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.0
229 19.2 16.1 24.1



#83
Chrysene
Concen: 4.072 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:228 Resp: 69340
Ion Ratio Lower Upper
228 100
226 28.1 24.4 36.6
229 21.8 15.9 23.9

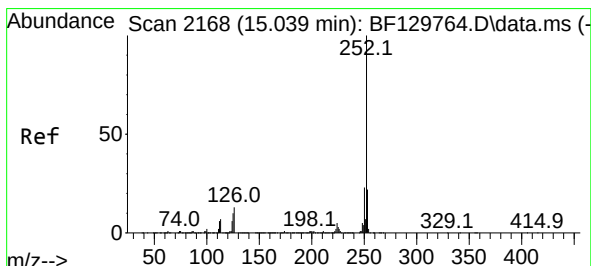
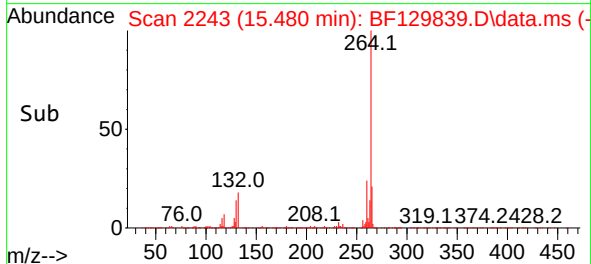
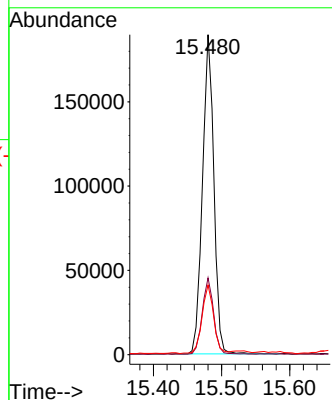
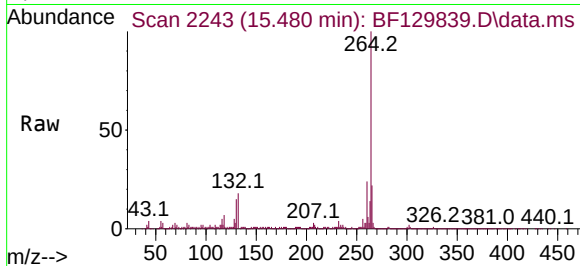




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2170
Delta R.T. 0.012 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

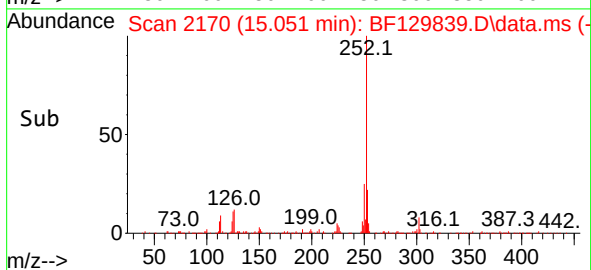
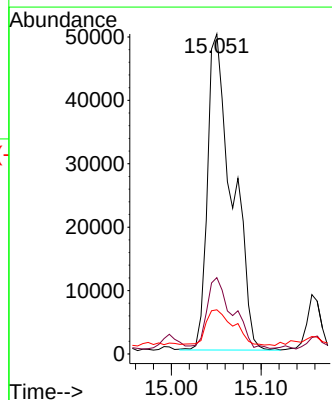
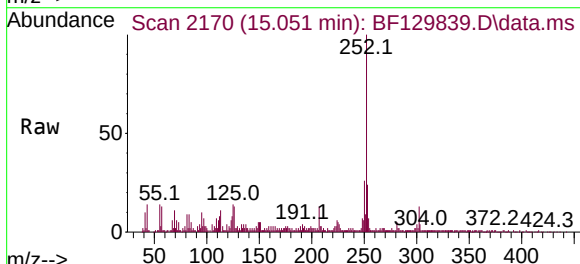
Instrument :
BNA_F
ClientSampleId :
SB20

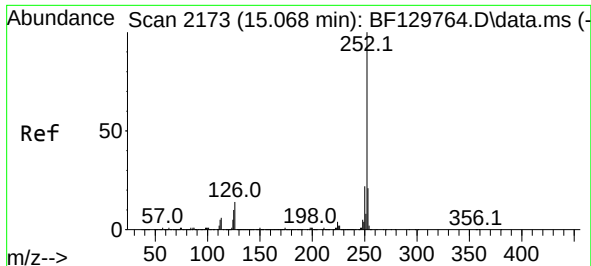
Tgt Ion:264 Resp: 219856
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.8 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 6.331 ng
RT: 15.051 min Scan# 2170
Delta R.T. 0.012 min
Lab File: BF129839.D
Acq: 17 Aug 2022 11:53

Tgt Ion:252 Resp: 95315
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 13.8 8.3 12.5#





#89

Benzo(k)fluoranthene

Concen: 6.602 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

Instrument :

BNA_F

ClientSampleId :

SB20

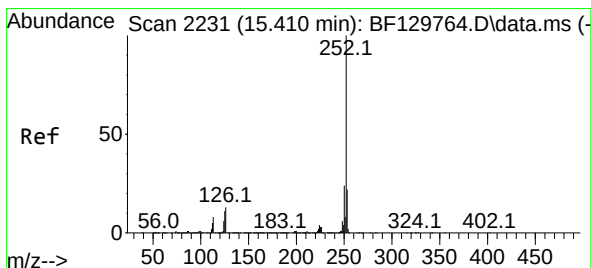
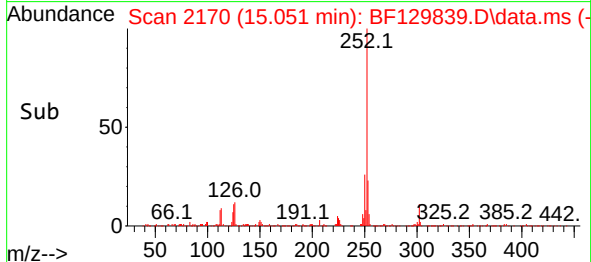
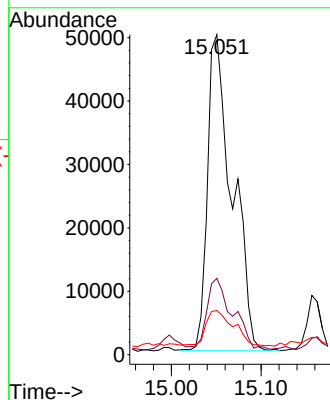
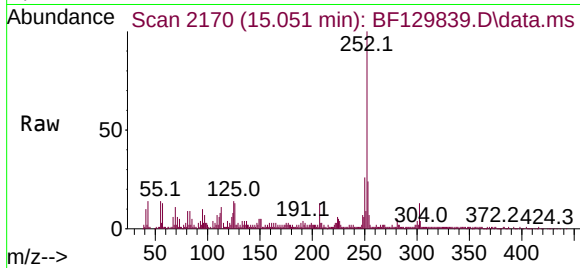
Tgt Ion:252 Resp: 95315

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

125 13.8 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.124 ng

RT: 15.415 min Scan# 2232

Delta R.T. 0.006 min

Lab File: BF129839.D

Acq: 17 Aug 2022 11:53

Tgt Ion:252 Resp: 48891

Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

125 15.7 8.8 13.2#

