

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081022\
 Data File : BF129701.D
 Acq On : 10 Aug 2022 18:13
 Operator : CG\JU
 Sample : N4122-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200051

Quant Time: Aug 10 21:34:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 15:26:57 2022
 Response via : Initial Calibration

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

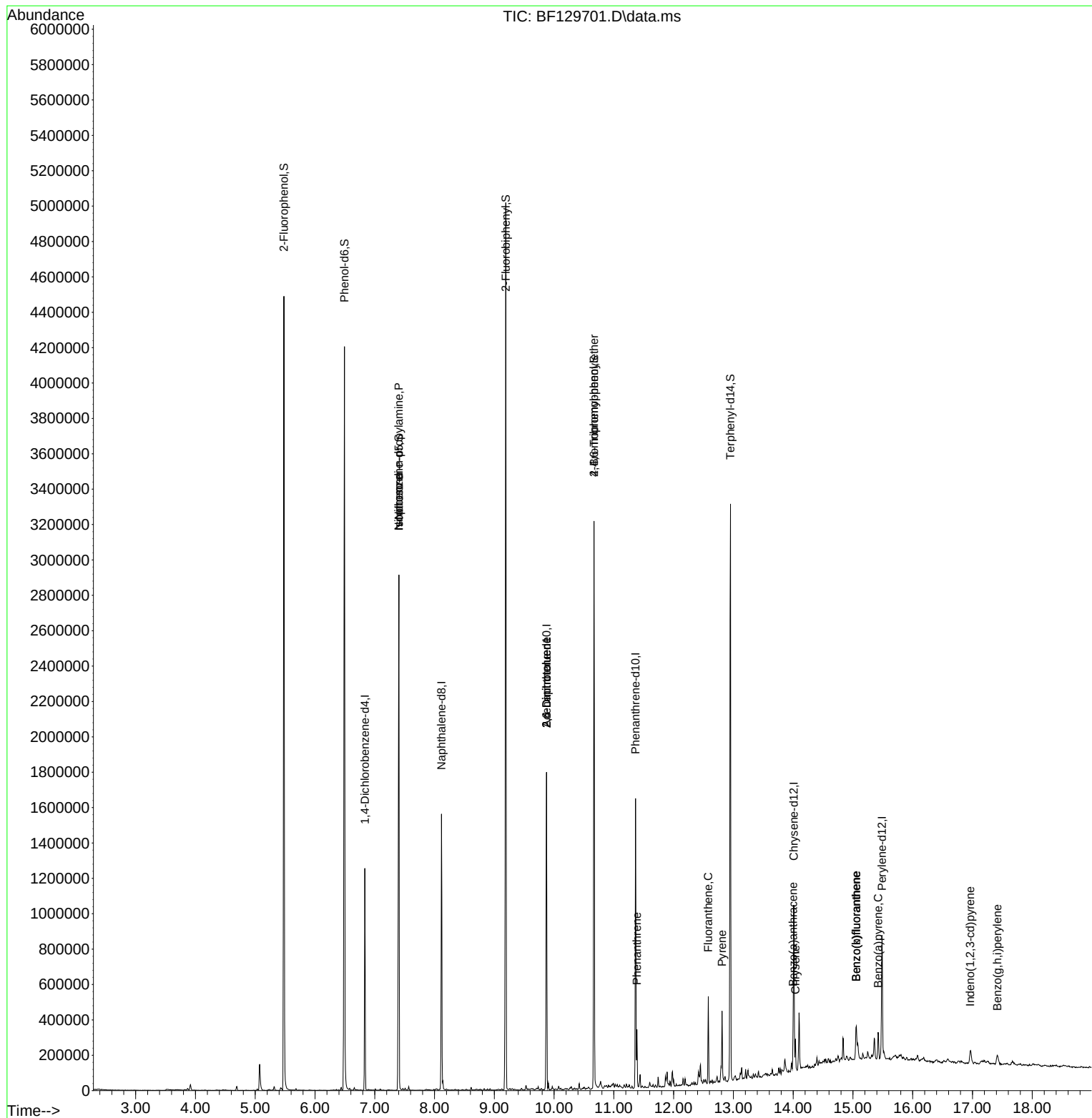
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	169278	20.000	ng	-0.02
21) Naphthalene-d8	8.116	136	673066	20.000	ng	-0.02
39) Acenaphthene-d10	9.875	164	350122	20.000	ng	-0.02
64) Phenanthrene-d10	11.363	188	533406	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	281862	20.000	ng	#-0.02
86) Perylene-d12	15.486	264	305517	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1180400	113.592	ng	0.00
7) Phenol-d6	6.492	99	1475817	112.989	ng	-0.01
23) Nitrobenzene-d5	7.404	82	956174	77.550	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	367251	109.101	ng	-0.02
45) 2-Fluorobiphenyl	9.192	172	1531522	67.667	ng	-0.02
79) Terphenyl-d14	12.951	244	1049511	70.247	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	128342	16.231	ng	# 72
25) Isophorone	7.404	82	952811	43.111	ng	# 65
51) 2,6-Dinitrotoluene	9.875	165	44756	8.273	ng	# 25
57) 2,4-Dinitrotoluene	9.875	165	44756	6.333	ng	# 21
67) 4-Bromophenyl-phenylether	10.669	248	23380	4.003	ng	# 1
71) Phenanthrene	11.386	178	105310	3.617	ng	97
75) Fluoranthene	12.580	202	172926	5.861	ng	98
78) Pyrene	12.810	202	150220	6.373	ng	98
81) Benzo(a)anthracene	13.998	228	68470	3.556	ng	98
83) Chrysene	14.039	228	69487	3.829	ng	98
87) Indeno(1,2,3-cd)pyrene	16.962	276	45096	2.192	ng	96
88) Benzo(b)fluoranthene	15.057	252	129635	6.397	ng	# 94
89) Benzo(k)fluoranthene	15.057	252	129635	6.527	ng	# 95
90) Benzo(a)pyrene	15.421	252	69013	4.195	ng	# 97
92) Benzo(g,h,i)perylene	17.415	276	41628	2.433	ng	# 92

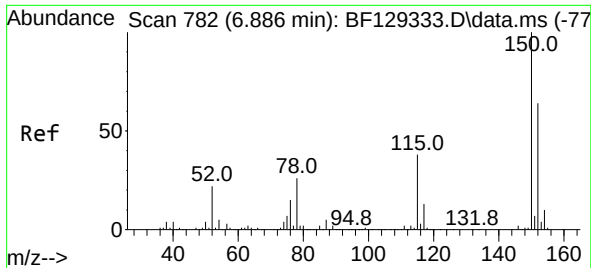
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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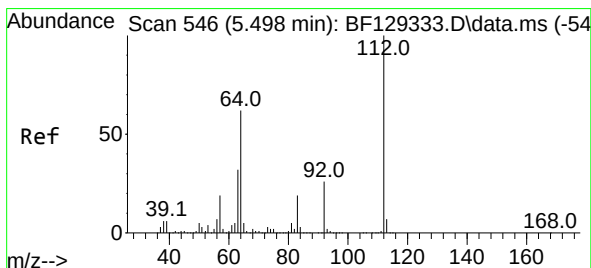
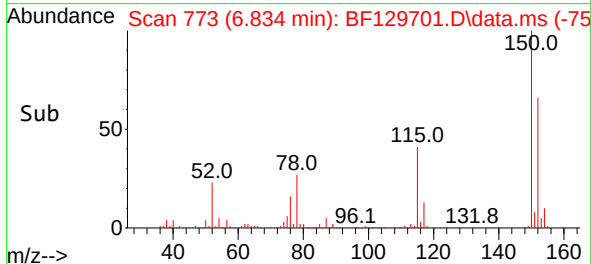
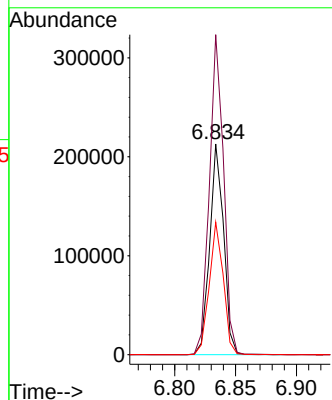
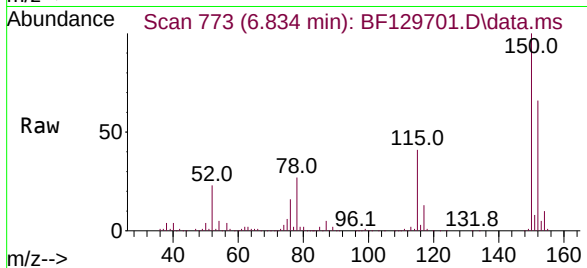




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

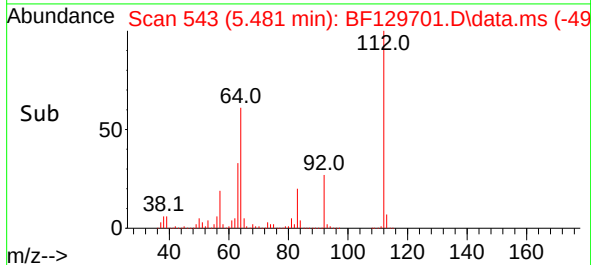
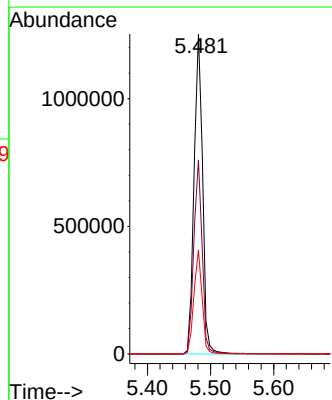
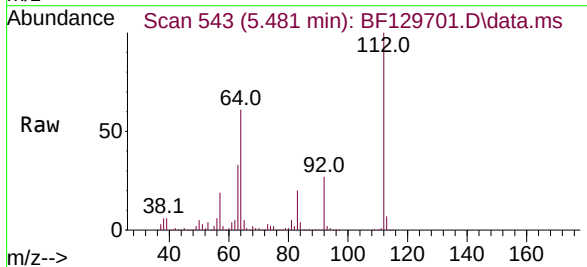
Instrument :
BNA_F
ClientSampleId :
RBR-200051

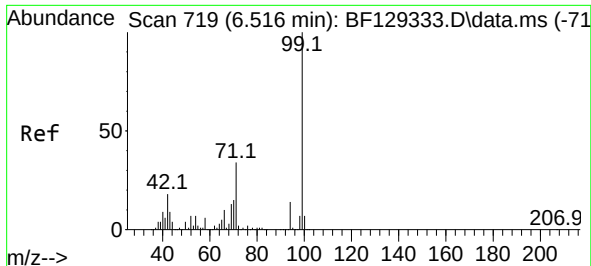
Tgt Ion:152 Resp: 169278
Ion Ratio Lower Upper
152 100
150 151.9 123.7 185.5
115 62.9 49.9 74.9



#5
2-Fluorophenol
Concen: 113.592 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:112 Resp: 1180400
Ion Ratio Lower Upper
112 100
64 60.7 53.3 79.9
63 32.5 28.0 42.0

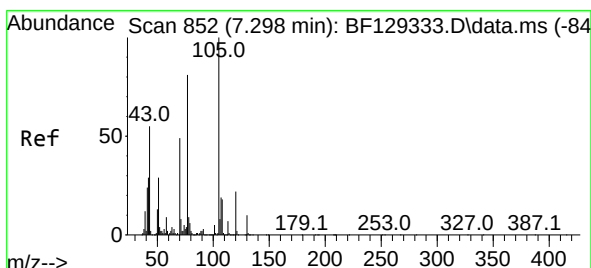
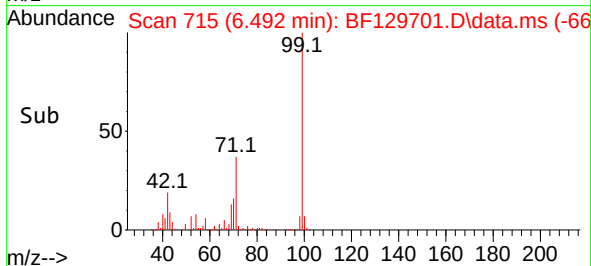
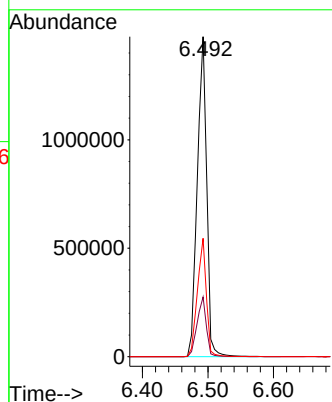
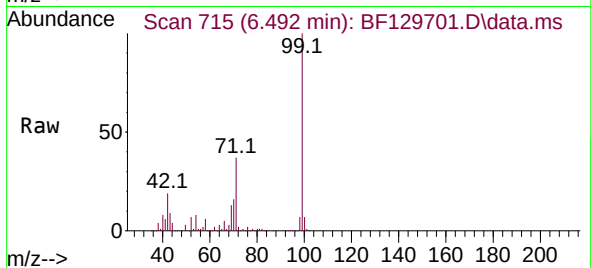




#7
Phenol-d6
Concen: 112.989 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

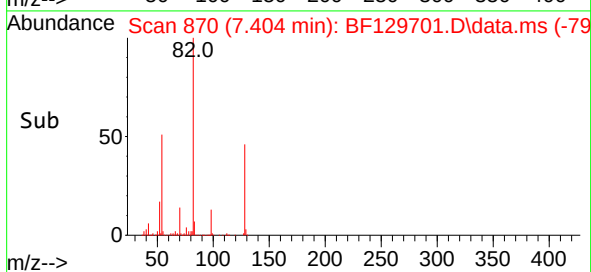
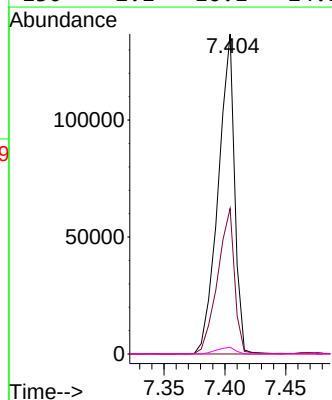
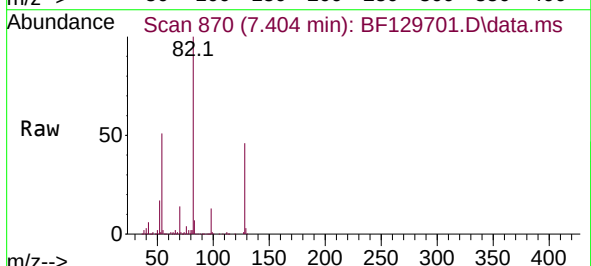
Instrument :
BNA_F
ClientSampleId :
RBR-200051

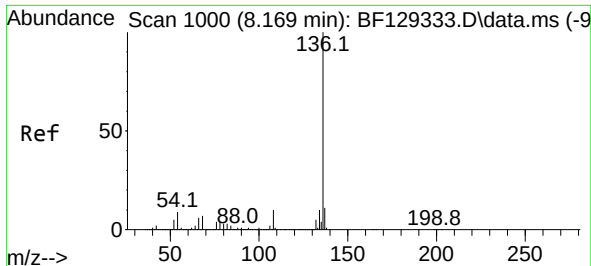
Tgt Ion: 99 Resp: 1475817
Ion Ratio Lower Upper
99 100
42 18.6 17.3 25.9
71 37.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.231 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion: 70 Resp: 128342
Ion Ratio Lower Upper
70 100
42 45.5 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF129701.D

Acq: 10 Aug 2022 18:13

Instrument :

BNA_F

ClientSampleId :

RBR-200051

Tgt Ion:136 Resp: 673066

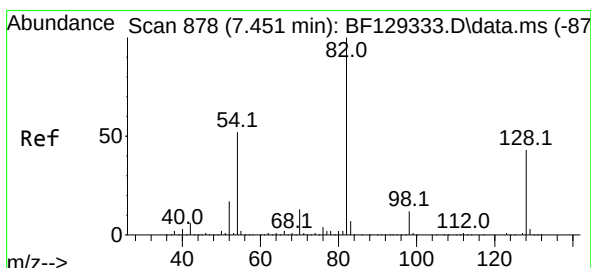
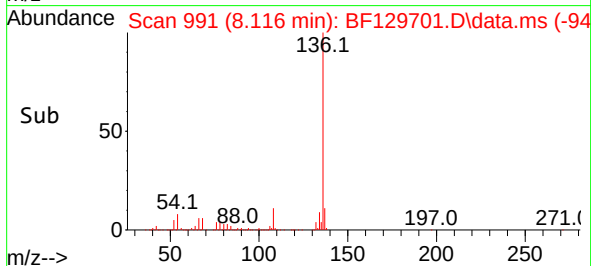
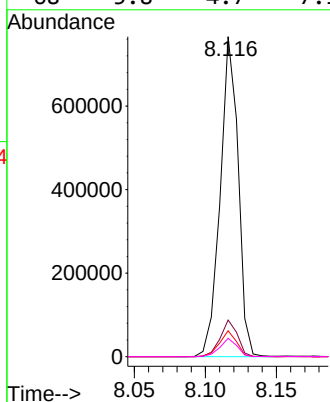
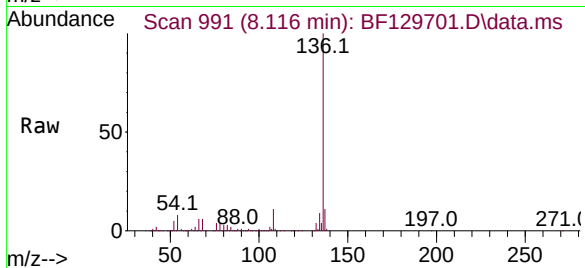
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 8.1 7.5 11.3

68 5.8 4.7 7.1



#23

Nitrobenzene-d5

Concen: 77.550 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.018 min

Lab File: BF129701.D

Acq: 10 Aug 2022 18:13

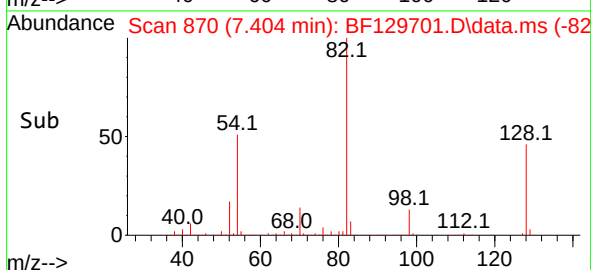
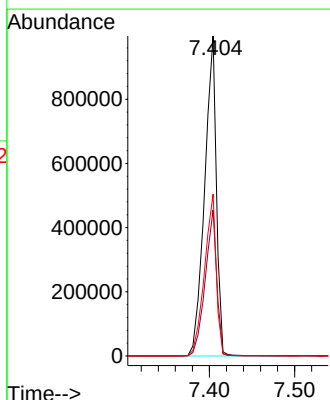
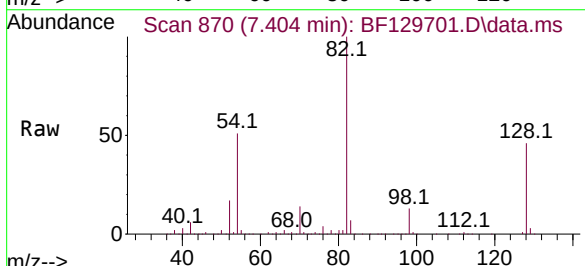
Tgt Ion: 82 Resp: 956174

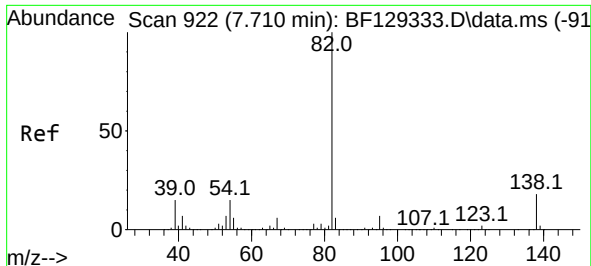
Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

54 50.6 46.9 70.3

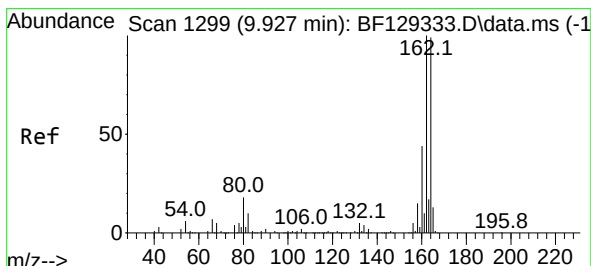
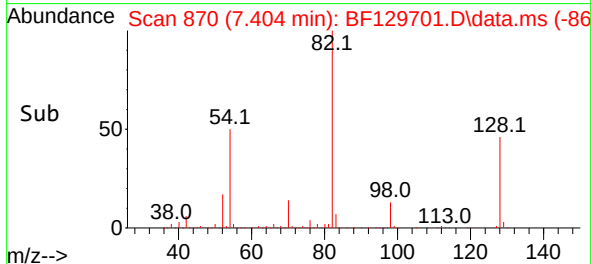
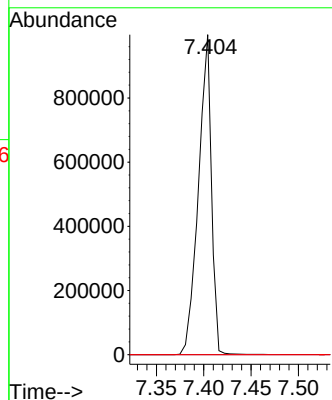
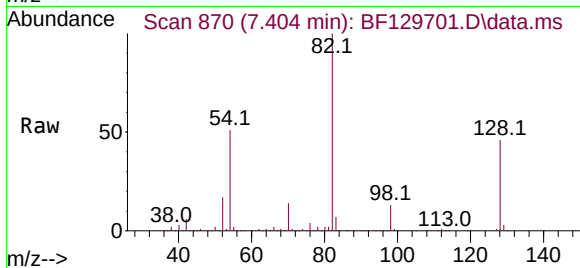




#25
Isophorone
Concen: 43.111 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

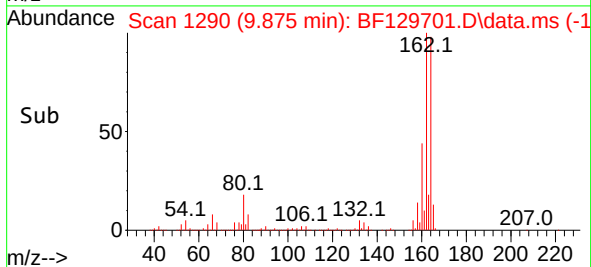
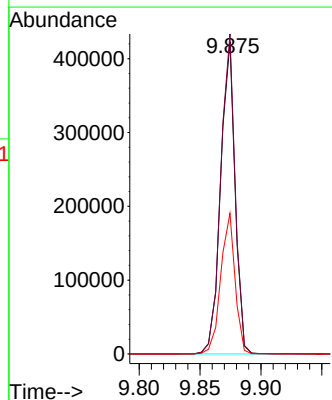
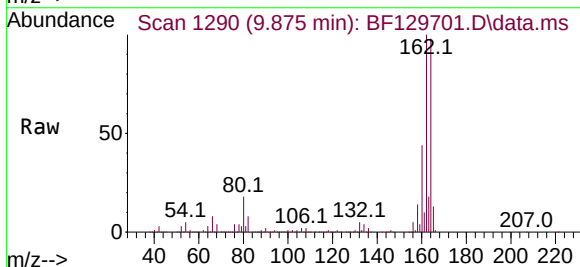
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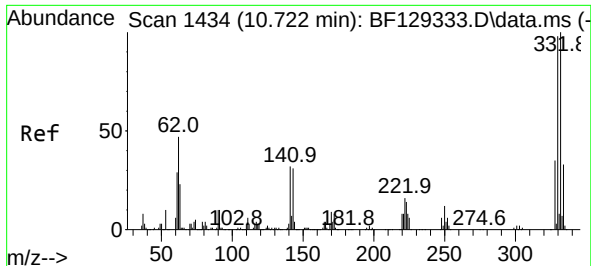
Tgt Ion: 82 Resp: 952811
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:164 Resp: 350122
Ion Ratio Lower Upper
164 100
162 102.5 79.5 119.3
160 45.0 34.2 51.4

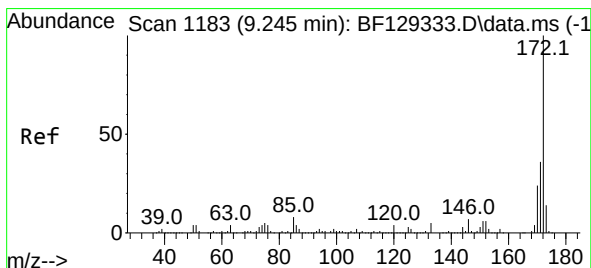
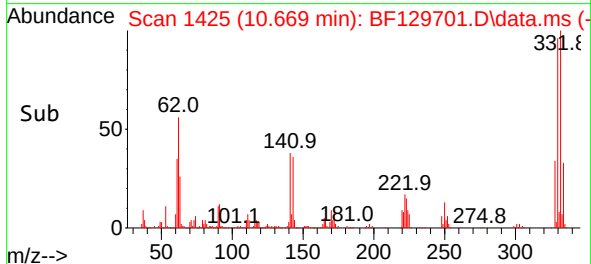
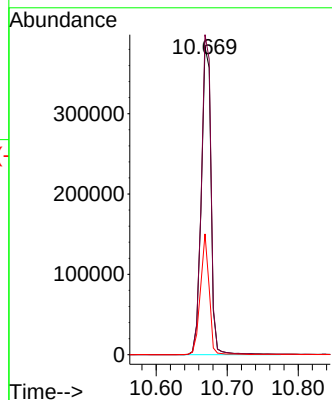
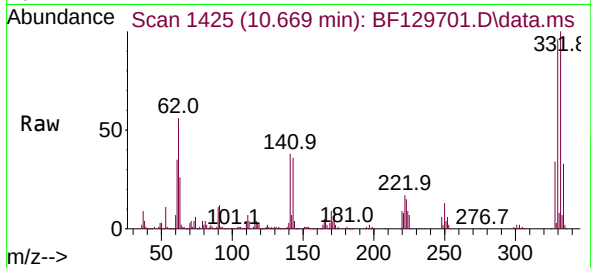




#42
2,4,6-Tribromophenol
Concen: 109.101 ng
RT: 10.669 min Scan# 1434
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

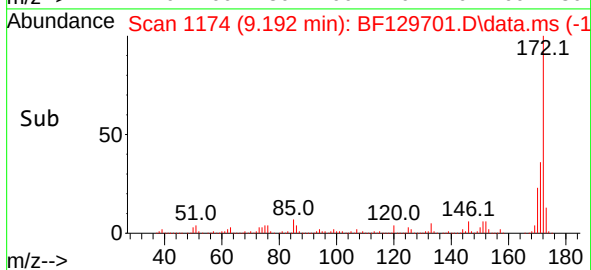
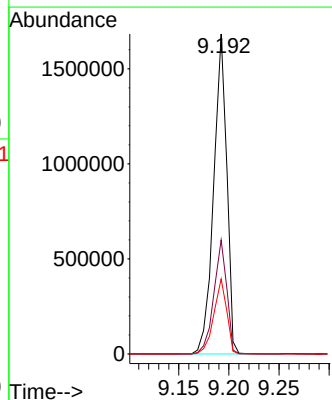
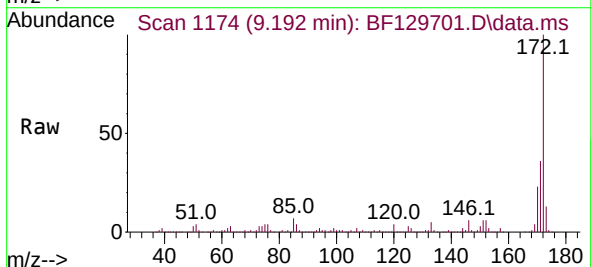
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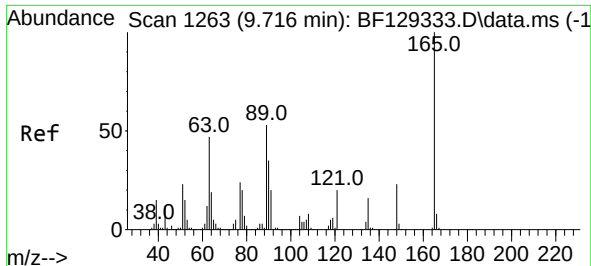
Tgt Ion:330 Resp: 367251
Ion Ratio Lower Upper
330 100
332 102.8 76.8 115.2
141 35.2 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 67.667 ng
RT: 9.192 min Scan# 1174
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:172 Resp: 1531522
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.5 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.273 ng

RT: 9.875 min Scan# 1290

Delta R.T. 0.194 min

Lab File: BF129701.D

Acq: 10 Aug 2022 18:13

Instrument :

BNA_F

ClientSampleId :

RBR-200051

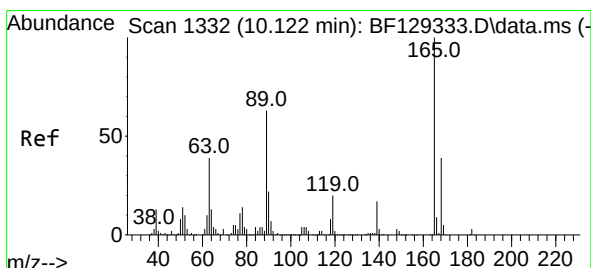
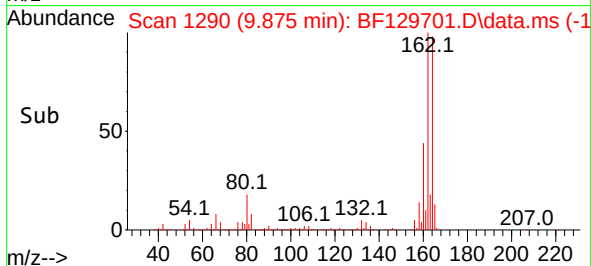
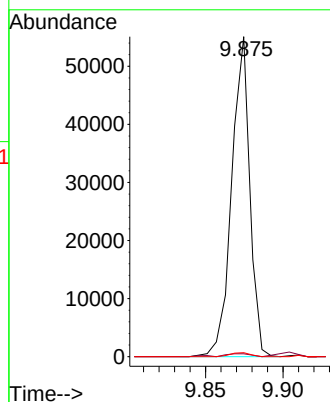
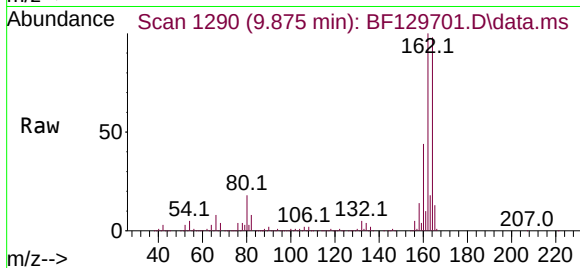
Tgt Ion:165 Resp: 44756

Ion Ratio Lower Upper

165 100

63 0.9 44.9 67.3#

89 1.2 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.333 ng

RT: 9.875 min Scan# 1290

Delta R.T. -0.212 min

Lab File: BF129701.D

Acq: 10 Aug 2022 18:13

Tgt Ion:165 Resp: 44756

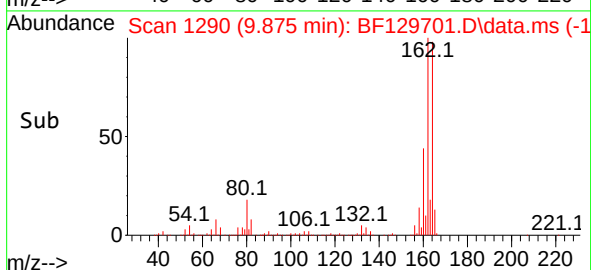
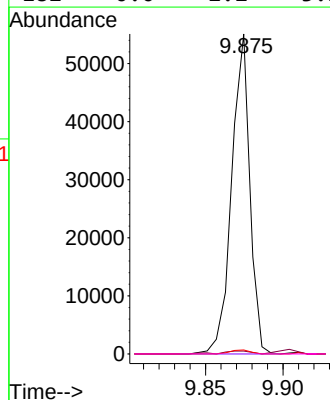
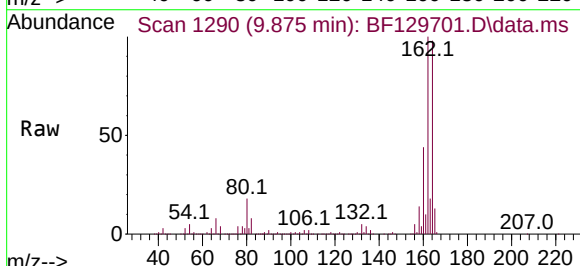
Ion Ratio Lower Upper

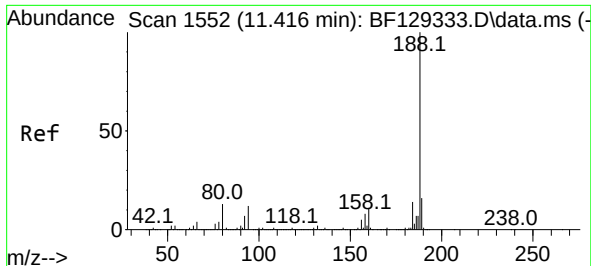
165 100

63 0.9 39.8 59.6#

89 1.2 60.2 90.2#

182 0.0 2.2 3.2#

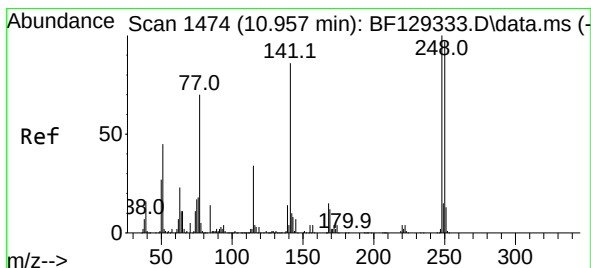
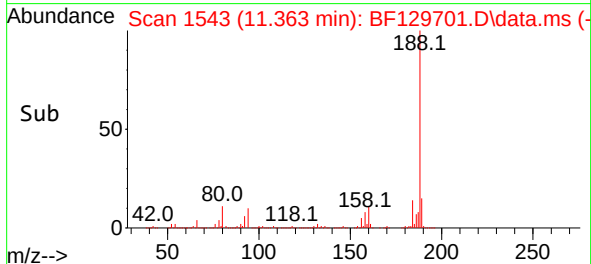
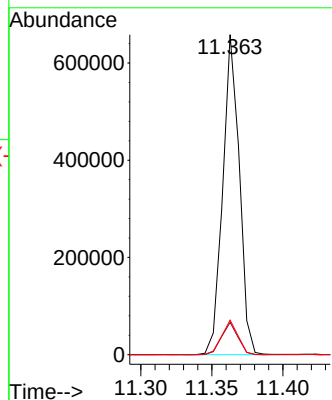
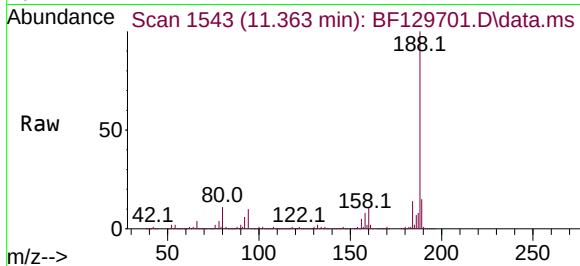




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

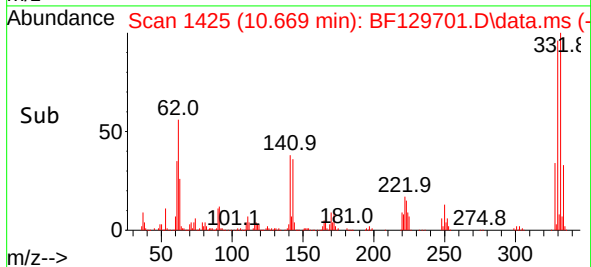
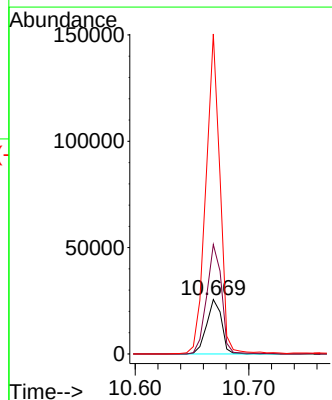
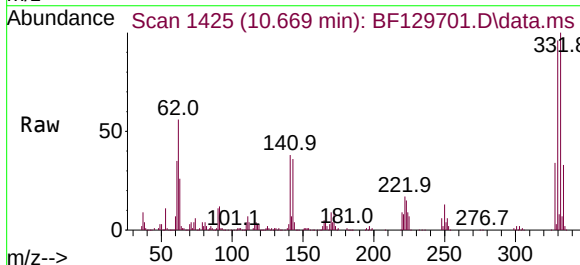
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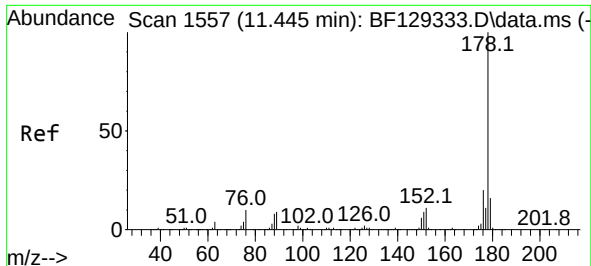
Tgt Ion:188 Resp: 533406
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.8 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.003 ng
RT: 10.669 min Scan# 1425
Delta R.T. -0.253 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:248 Resp: 23380
Ion Ratio Lower Upper
248 100
250 201.1 80.6 120.8#
141 587.8 58.9 88.3#

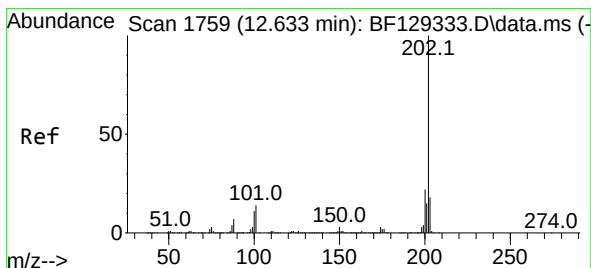
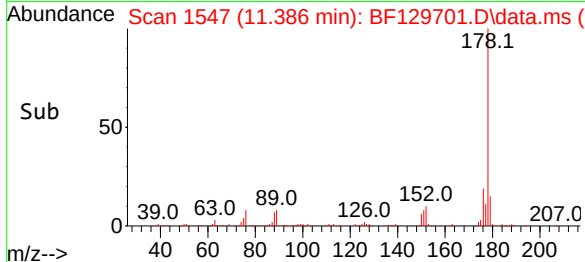
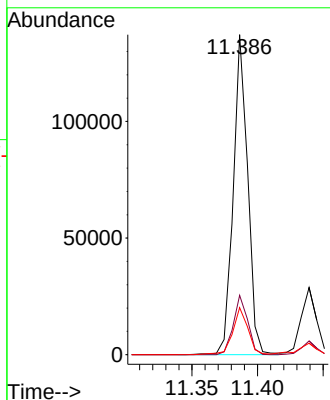
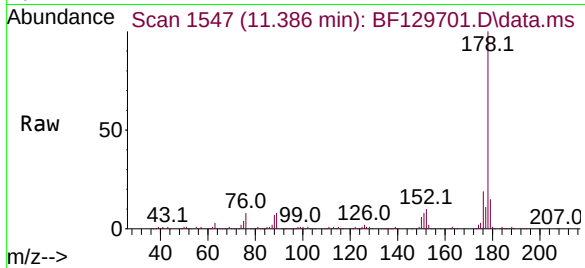




#71
Phenanthrene
Concen: 3.617 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

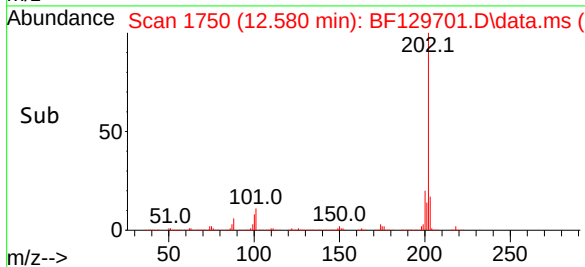
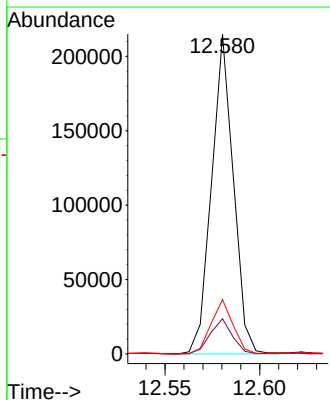
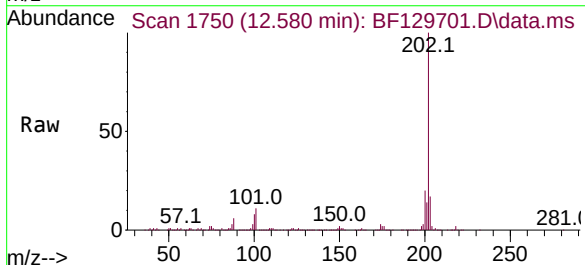
Instrument :
BNA_F
ClientSampleId :
RBR-200051

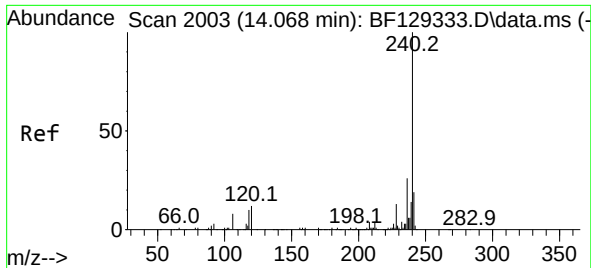
Tgt Ion:178 Resp: 105310
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 14.7 12.6 19.0



#75
Fluoranthene
Concen: 5.861 ng
RT: 12.580 min Scan# 1750
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:202 Resp: 172926
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 17.0 0.0 38.0

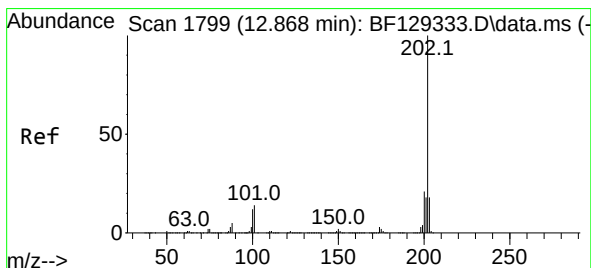
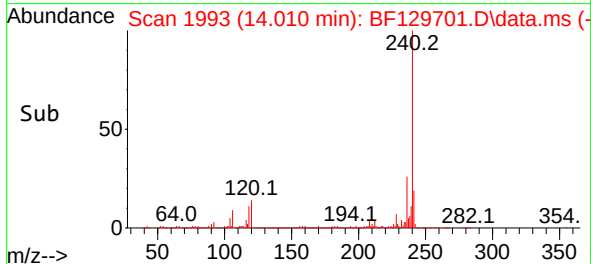
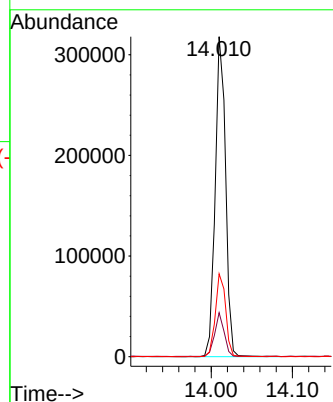
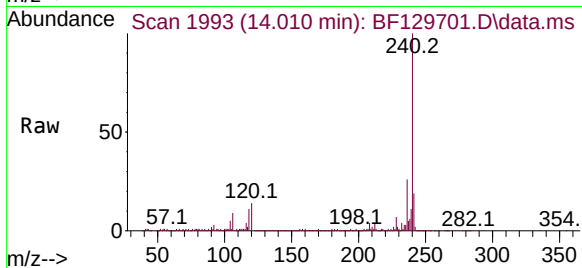




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

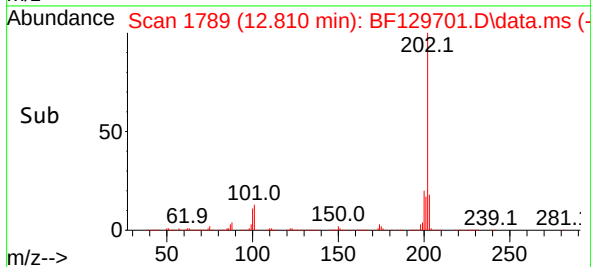
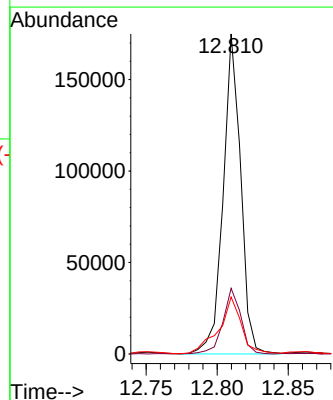
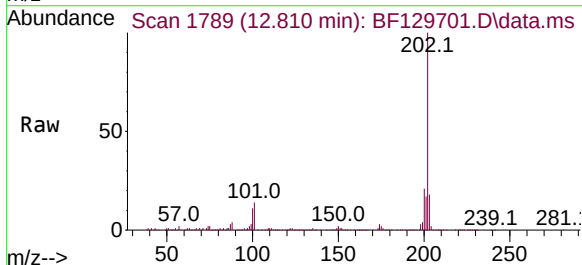
Instrument :
BNA_F
ClientSampleId :
RBR-200051

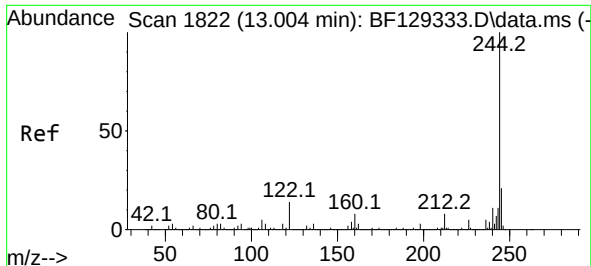
Tgt Ion:240 Resp: 281862
Ion Ratio Lower Upper
240 100
120 13.8 8.9 13.3#
236 25.9 20.8 31.2



#78
Pyrene
Concen: 6.373 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:202 Resp: 150220
Ion Ratio Lower Upper
202 100
200 20.5 17.7 26.5
203 17.8 14.6 21.8

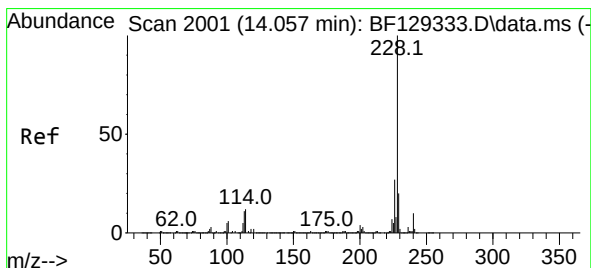
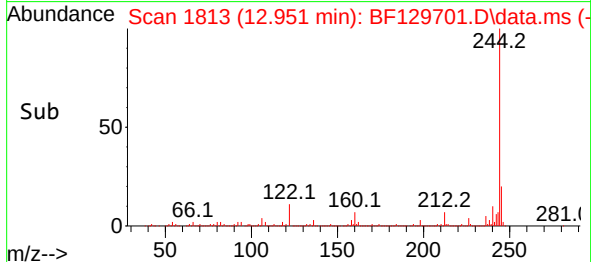
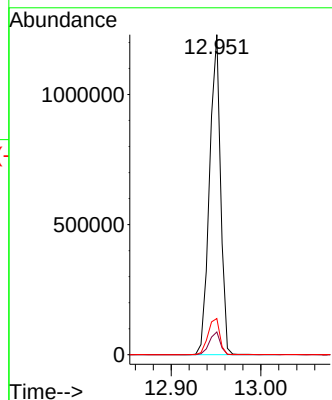
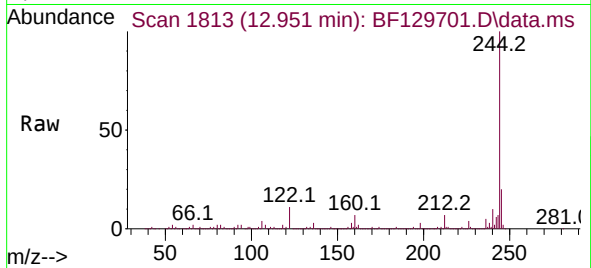




#79
 Terphenyl-d14
 Concen: 70.247 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129701.D
 Acq: 10 Aug 2022 18:13

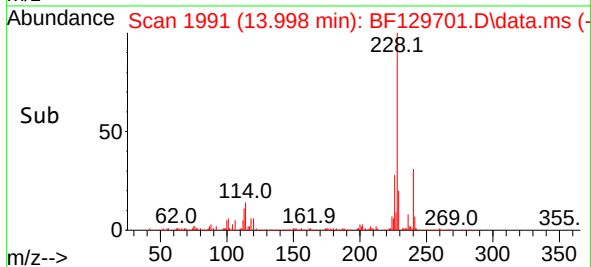
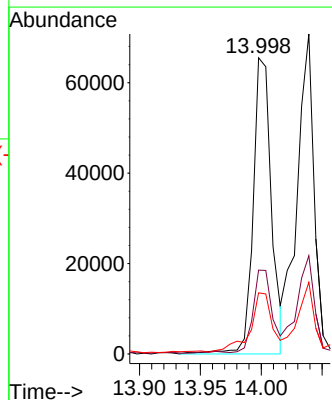
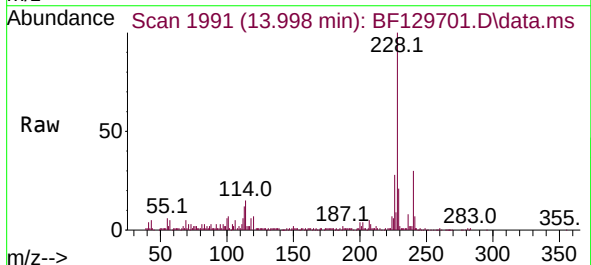
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200051

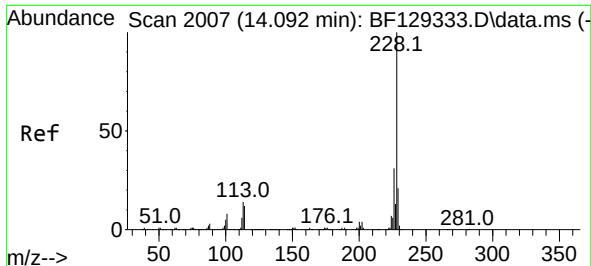
Tgt Ion:244 Resp: 1049511
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 11.3 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 3.556 ng
 RT: 13.998 min Scan# 1991
 Delta R.T. -0.018 min
 Lab File: BF129701.D
 Acq: 10 Aug 2022 18:13

Tgt Ion:228 Resp: 68470
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.1 33.1
 229 20.7 15.8 23.8

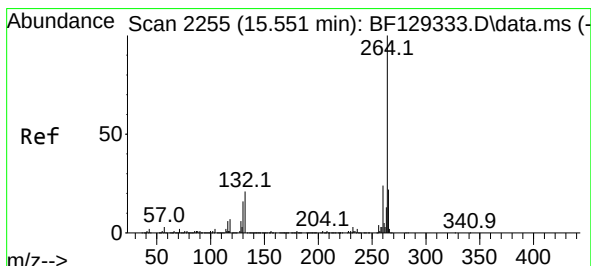
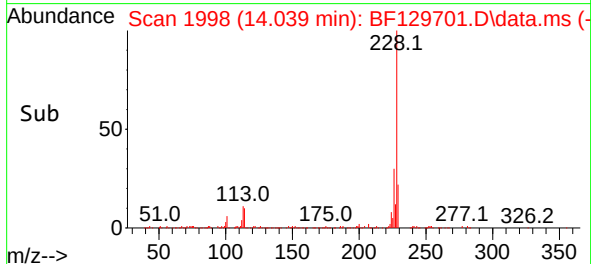
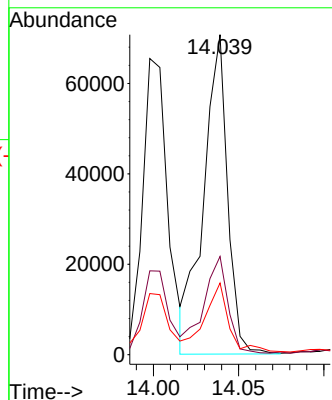
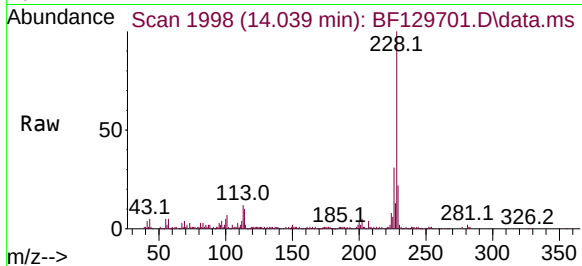




#83
Chrysene
Concen: 3.829 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

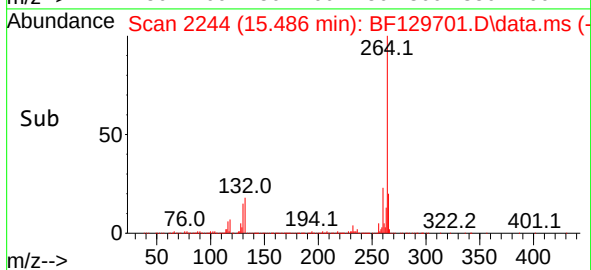
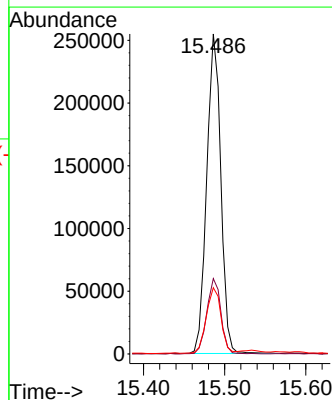
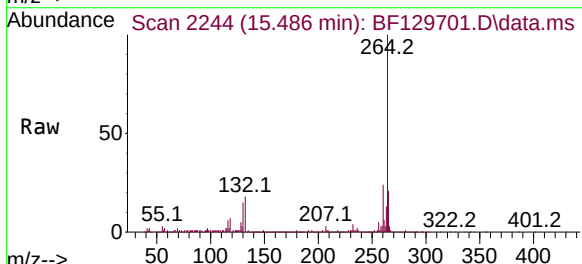
Instrument :
BNA_F
ClientSampleId :
RBR-200051

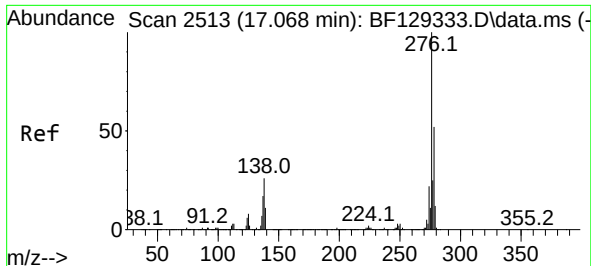
Tgt Ion:228 Resp: 69487
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.4 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2244
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:264 Resp: 305517
Ion Ratio Lower Upper
264 100
260 23.5 18.4 27.6
265 20.7 17.2 25.8

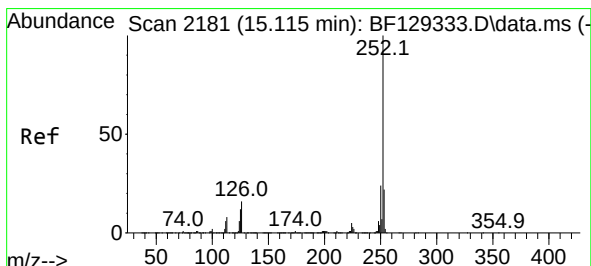
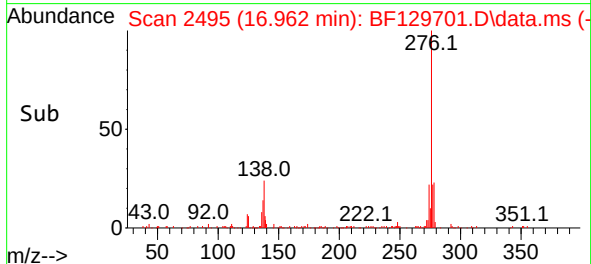
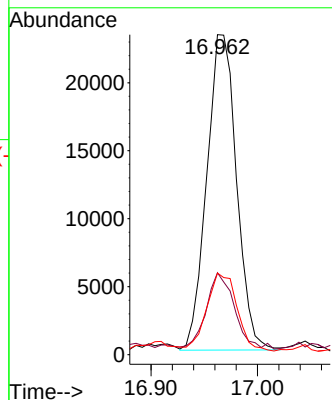
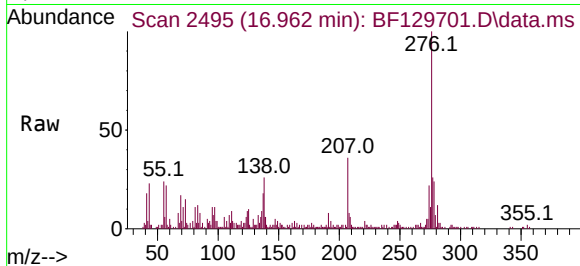




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.192 ng
RT: 16.962 min Scan# 2495
Delta R.T. -0.035 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

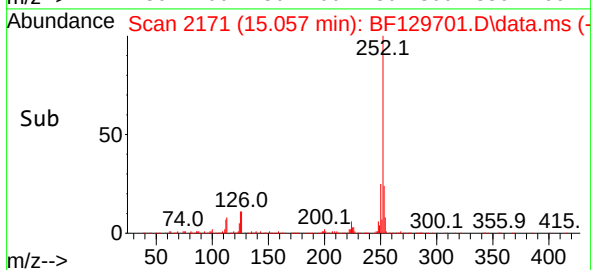
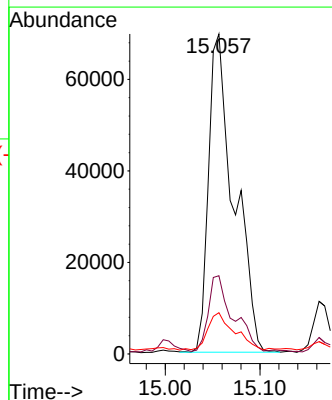
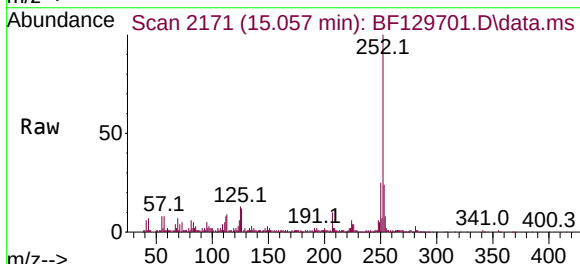
Instrument :
BNA_F
ClientSampleId :
RBR-200051

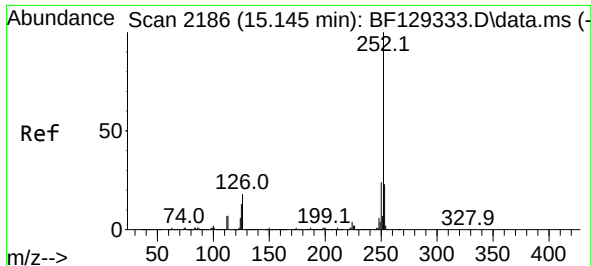
Tgt Ion:276 Resp: 45096
Ion Ratio Lower Upper
276 100
138 22.4 21.1 31.7
277 25.2 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 6.397 ng
RT: 15.057 min Scan# 2171
Delta R.T. -0.012 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:252 Resp: 129635
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 12.9 8.0 12.0#

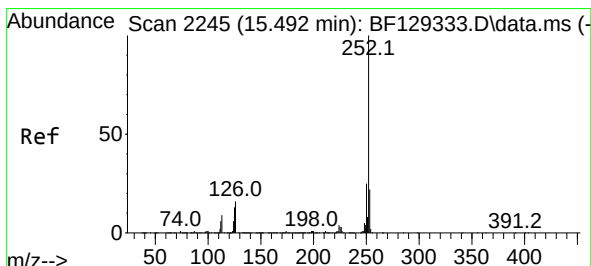
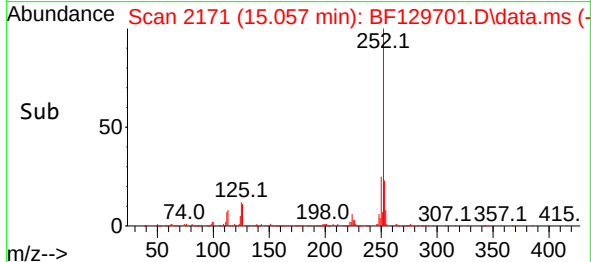
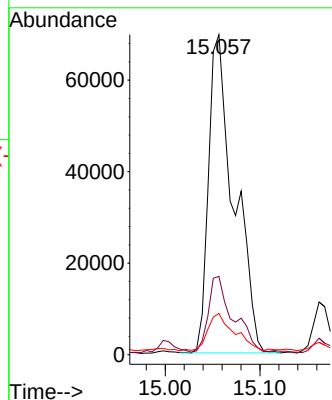
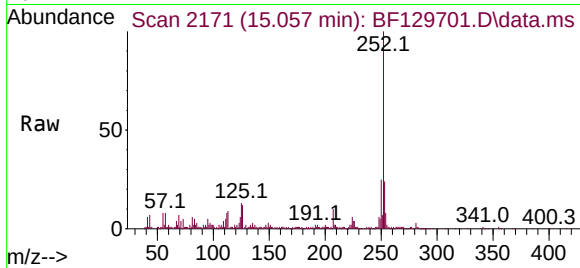




#89
Benzo(k)fluoranthene
Concen: 6.527 ng
RT: 15.057 min Scan# 2186
Delta R.T. -0.047 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

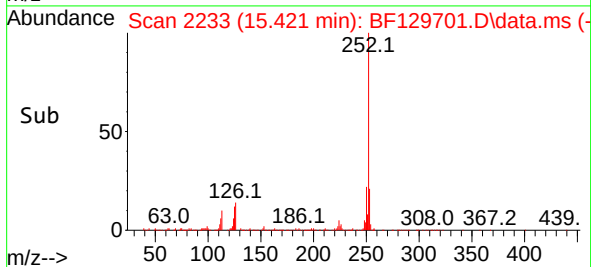
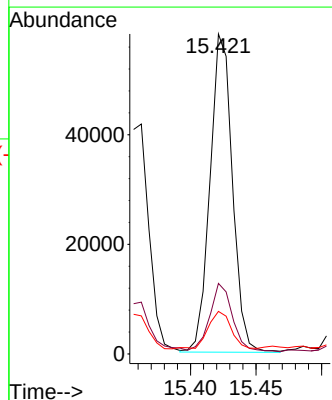
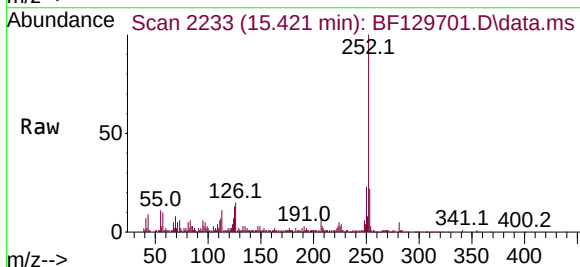
Instrument :
BNA_F
ClientSampleId :
RBR-200051

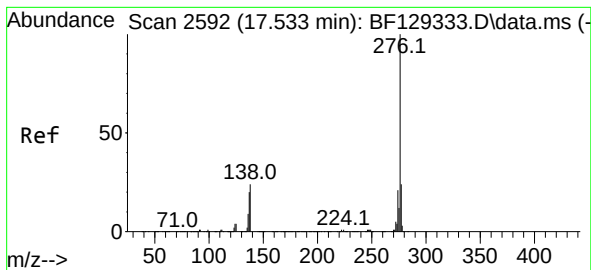
Tgt Ion:252 Resp: 129635
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 12.9 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 4.195 ng
RT: 15.421 min Scan# 2233
Delta R.T. -0.018 min
Lab File: BF129701.D
Acq: 10 Aug 2022 18:13

Tgt Ion:252 Resp: 69013
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 13.3 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.433 ng

RT: 17.415 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF129701.D

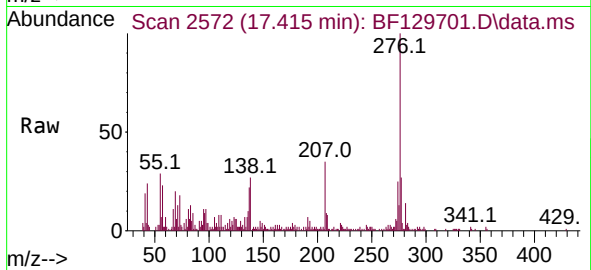
Acq: 10 Aug 2022 18:13

Instrument :

BNA_F

ClientSampleId :

RBR-200051



Tgt Ion:276 Resp: 41628

Ion Ratio Lower Upper

276 100

277 27.0 19.1 28.7

138 27.2 18.0 27.0#

