

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
 Data File : BF129121.D
 Acq On : 05 Jul 2022 13:44
 Operator : CG\JU
 Sample : N3572-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200033

Quant Time: Jul 05 16:38:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

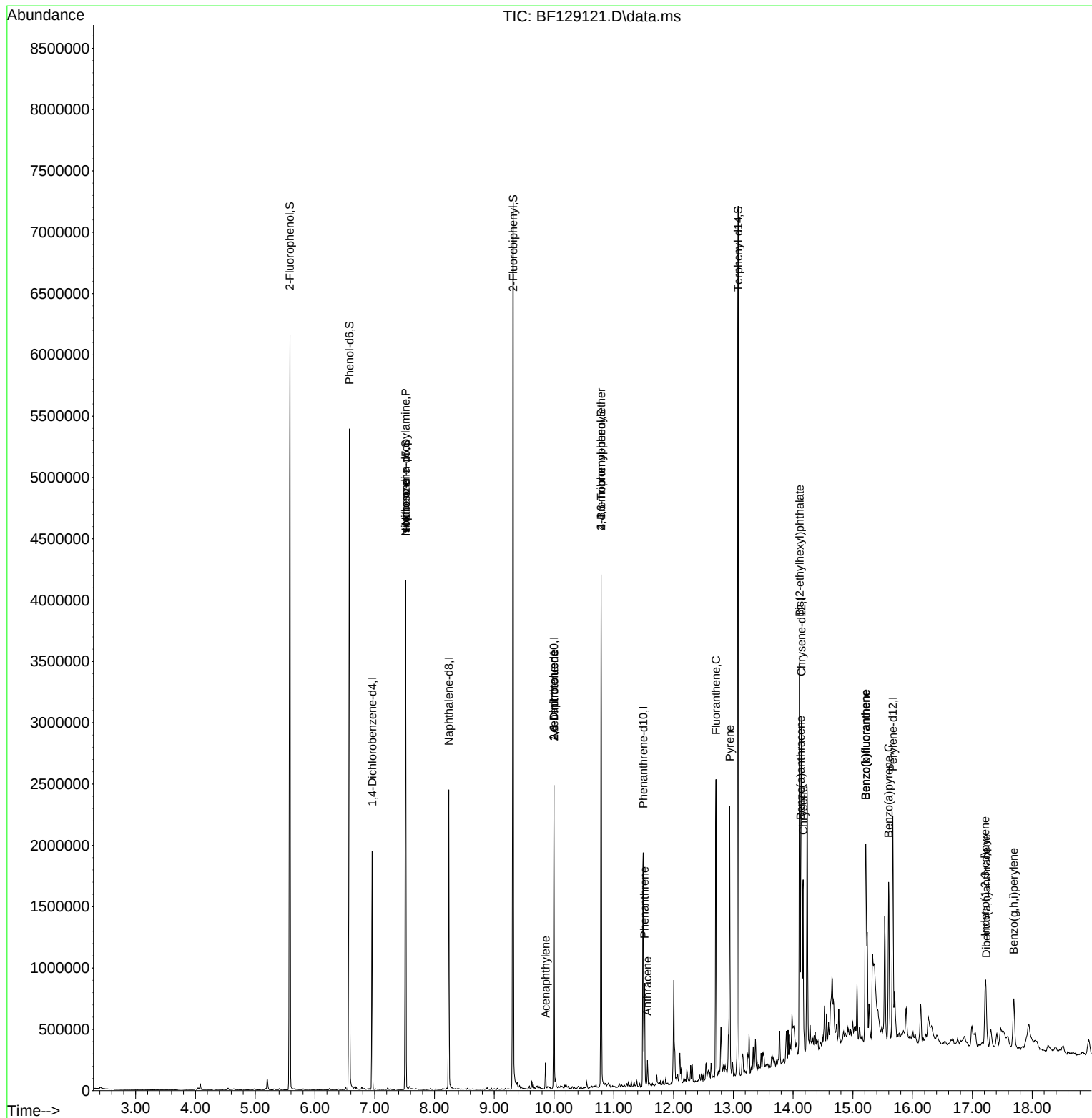
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	269843	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	969218	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	458968	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	723410	20.000	ng	0.00
76) Chrysene-d12	14.139	240	694334	20.000	ng	#-0.01
86) Perylene-d12	15.668	264	788013	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1721403	107.850	ng	0.00
7) Phenol-d6	6.575	99	2072721	104.561	ng	-0.01
23) Nitrobenzene-d5	7.516	82	1310033	80.620	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	519940	104.184	ng	-0.01
45) 2-Fluorobiphenyl	9.316	172	2374510	82.766	ng	0.00
79) Terphenyl-d14	13.080	244	2401643	71.829	ng	0.00
Target Compounds						
9) Benzaldehyde	6.510	77	1623	Below Cal		90
19) n-Nitroso-di-n-propyla...	7.516	70	170877	14.901 ng	#	71
25) Isophorone	7.516	82	1288991	46.937 ng	#	65
49) Acenaphthylene	9.857	152	82299	2.126 ng		97
51) 2,6-Dinitrotoluene	9.998	165	60453	10.303 ng	#	25
57) 2,4-Dinitrotoluene	9.998	165	60453	8.346 ng	#	21
67) 4-Bromophenyl-phenylether	10.786	248	30611	3.978 ng	#	1
71) Phenanthrene	11.516	178	318640	9.219 ng		97
72) Anthracene	11.563	178	70092	2.057 ng		99
75) Fluoranthene	12.710	202	928954	25.699 ng		99
78) Pyrene	12.939	202	828749	17.220 ng		97
81) Benzo(a)anthracene	14.127	228	561287	13.240 ng		96
83) Chrysene	14.169	228	590386	15.001 ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	929837	35.684 ng		97
87) Indeno(1,2,3-cd)pyrene	17.215	276	395977	8.193 ng		96
88) Benzo(b)fluoranthene	15.216	252	1301893	27.471 ng		99
89) Benzo(k)fluoranthene	15.216	252	1301893	28.323 ng		99
90) Benzo(a)pyrene	15.598	252	612739	15.860 ng		96
91) Dibenzo(a,h)anthracene	17.233	278	100163	2.542 ng		97
92) Benzo(g,h,i)perylene	17.692	276	330485	8.361 ng		98

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

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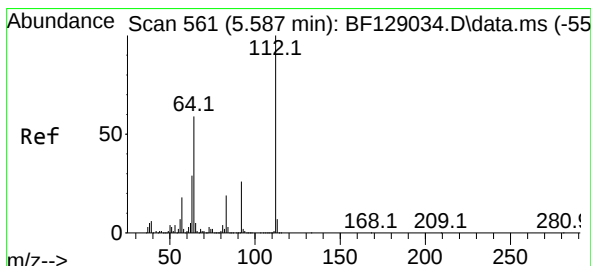
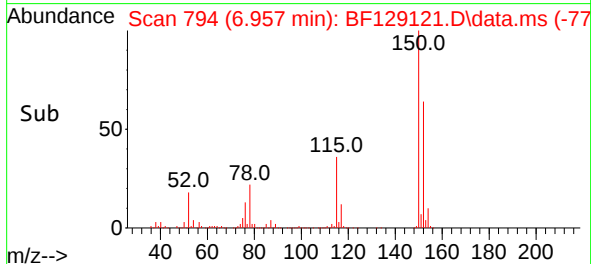
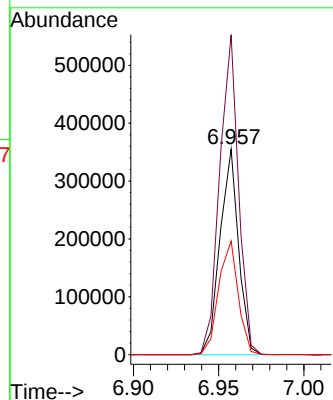
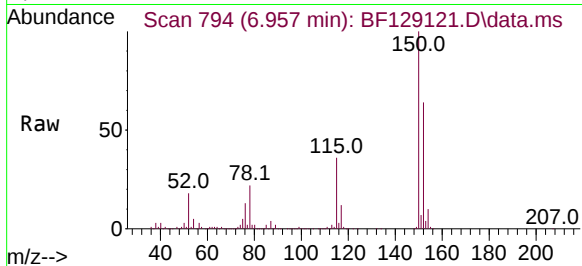




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

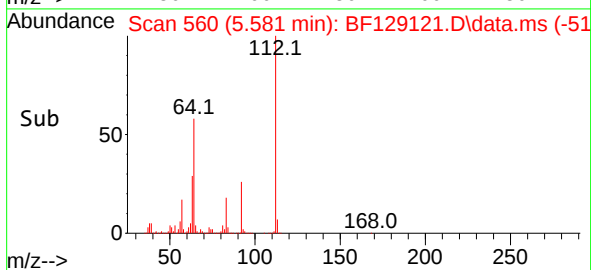
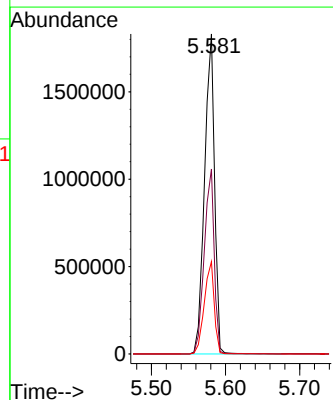
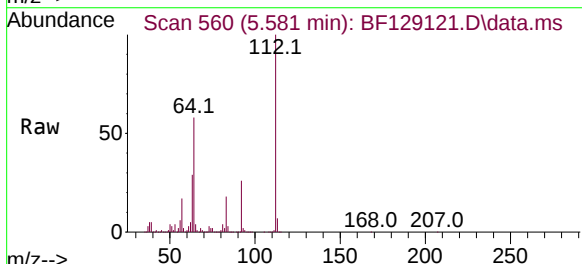
Instrument :
BNA_F
ClientSampleId :
RBR-200033

Tgt Ion:152 Resp: 269843
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 55.3 49.9 74.9



#5
2-Fluorophenol
Concen: 107.850 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:112 Resp: 1721403
Ion Ratio Lower Upper
112 100
64 57.8 53.3 79.9
63 28.9 28.0 42.0

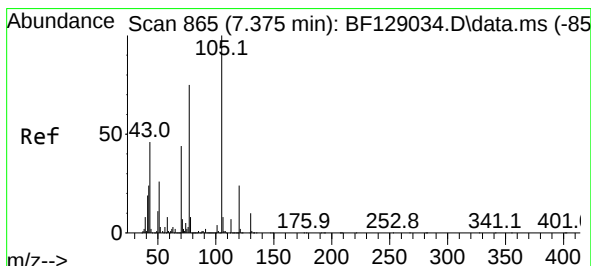
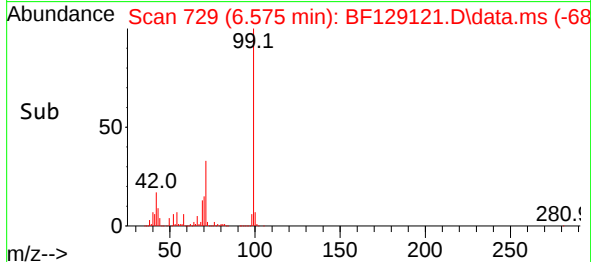
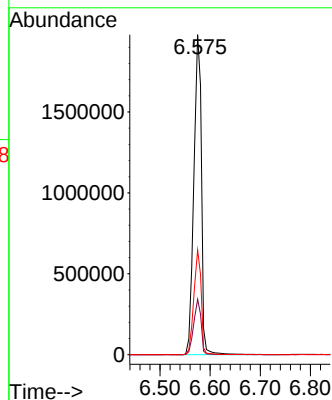
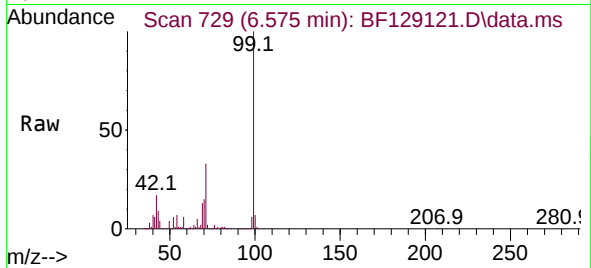




#7
Phenol-d6
Concen: 104.561 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

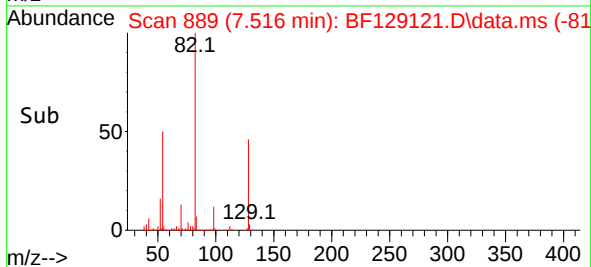
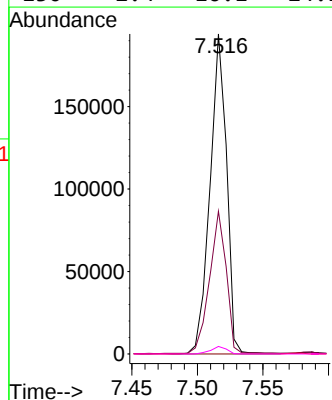
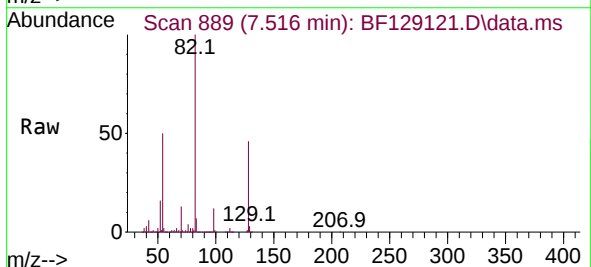
Instrument :
BNA_F
ClientSampleId :
RBR-200033

Tgt Ion: 99 Resp: 2072721
Ion Ratio Lower Upper
99 100
42 17.3 17.3 25.9
71 32.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 14.901 ng
RT: 7.516 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion: 70 Resp: 170877
Ion Ratio Lower Upper
70 100
42 44.6 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#

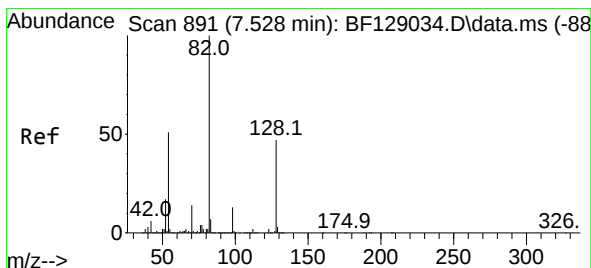
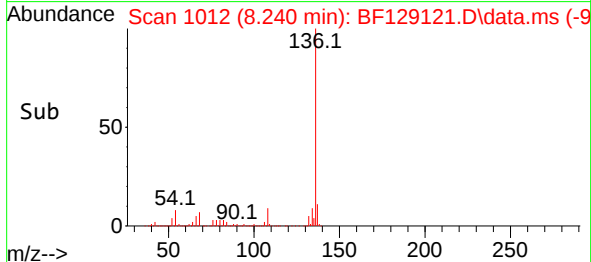
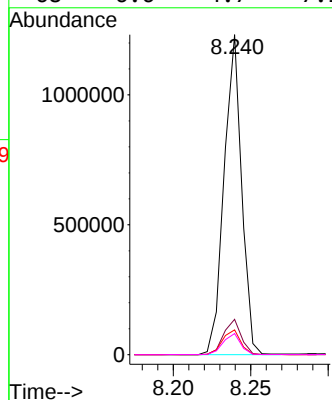
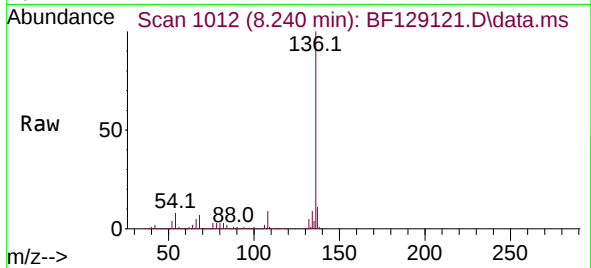




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

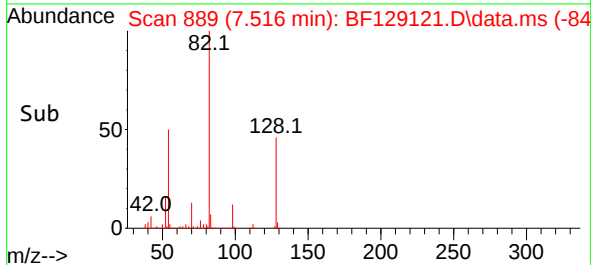
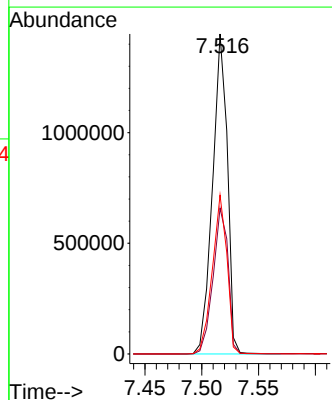
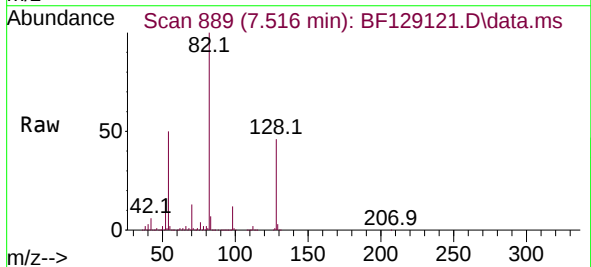
Instrument :
BNA_F
ClientSampleId :
RBR-200033

Tgt Ion:136 Resp: 969218
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.8 7.5 11.3
68 6.6 4.7 7.1



#23
Nitrobenzene-d5
Concen: 80.620 ng
RT: 7.516 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion: 82 Resp: 1310033
Ion Ratio Lower Upper
82 100
128 45.6 34.0 51.0
54 49.7 46.9 70.3

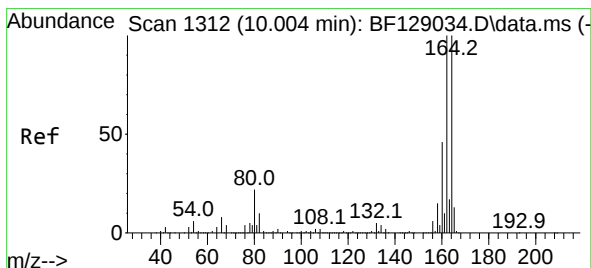
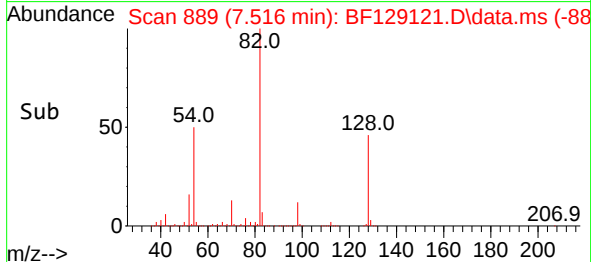
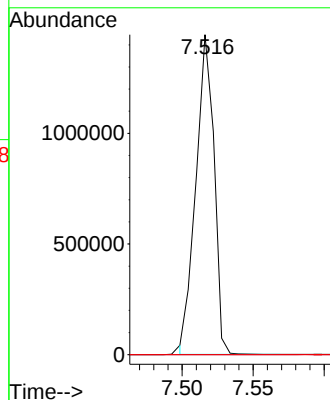
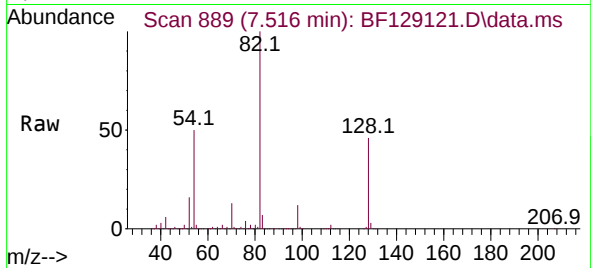




#25
Isophorone
Concen: 46.937 ng
RT: 7.516 min Scan# 81
Delta R.T. -0.276 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

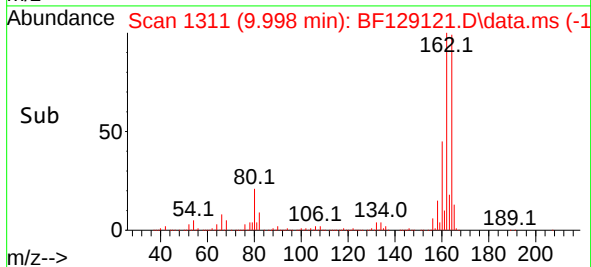
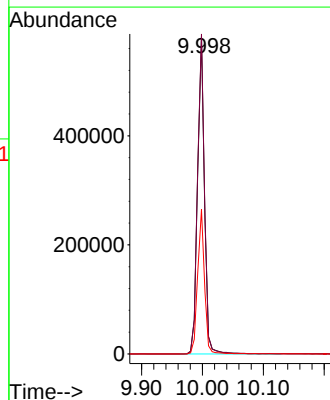
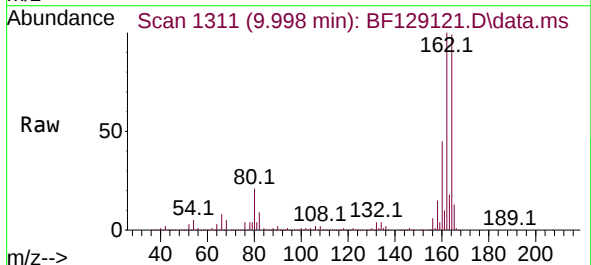
Instrument :
BNA_F
ClientSampleId :
RBR-200033

Tgt Ion: 82 Resp: 1288991
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: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:164 Resp: 458968
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 45.5 34.2 51.4

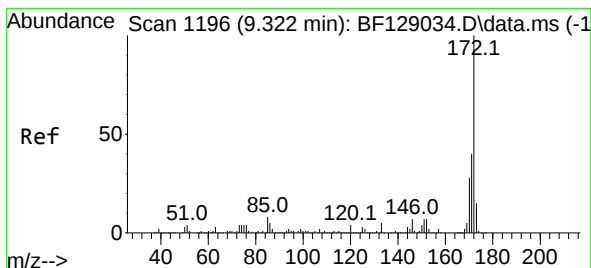
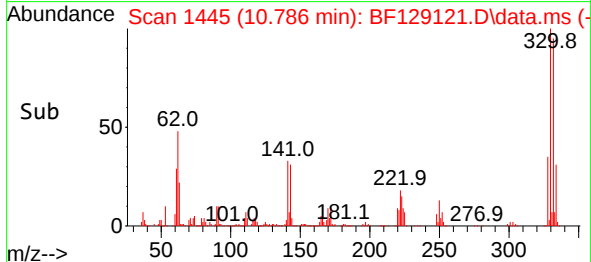
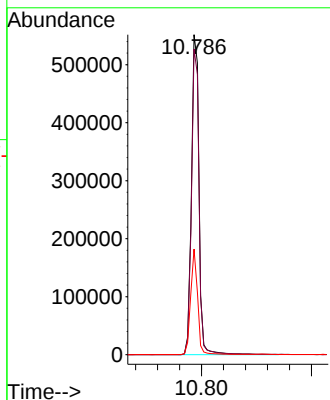
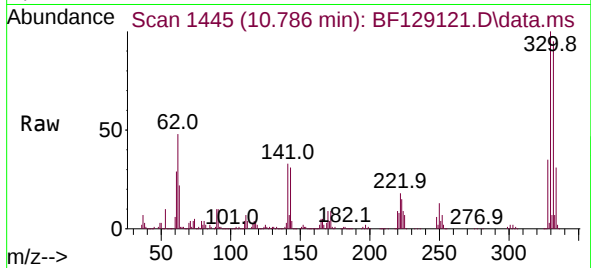




#42
2,4,6-Tribromophenol
Concen: 104.184 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

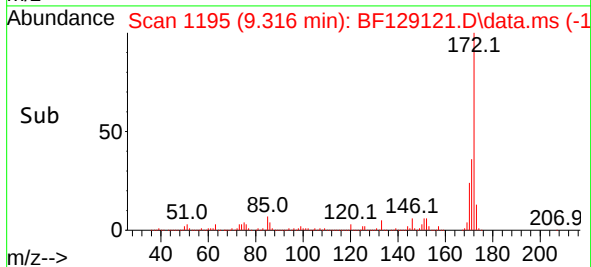
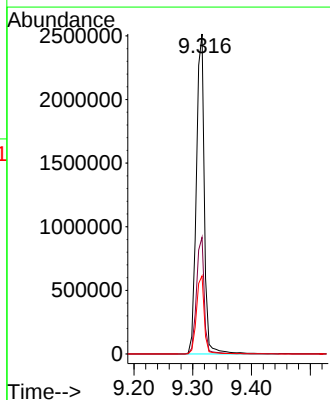
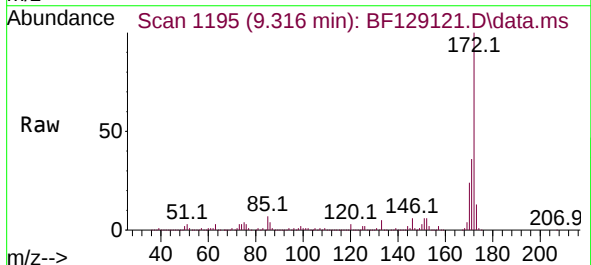
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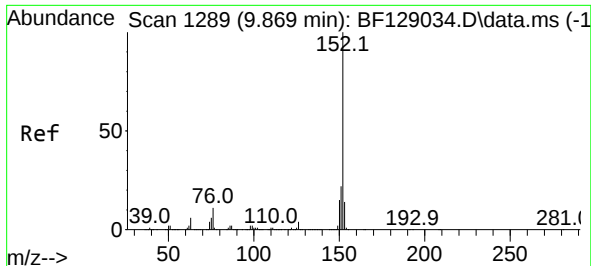
Tgt Ion:330 Resp: 519940
Ion Ratio Lower Upper
330 100
332 95.3 76.8 115.2
141 30.4 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 82.766 ng
RT: 9.316 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:172 Resp: 2374510
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.4 19.8 29.8

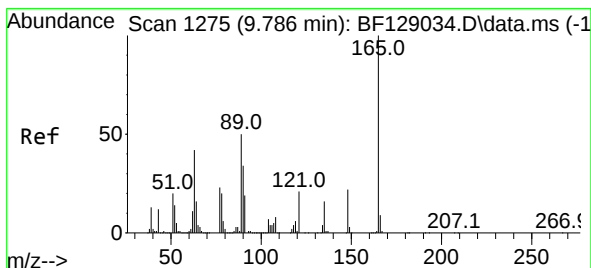
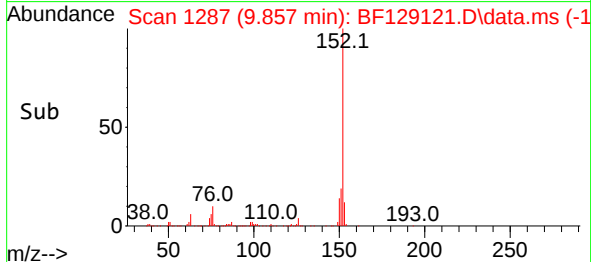
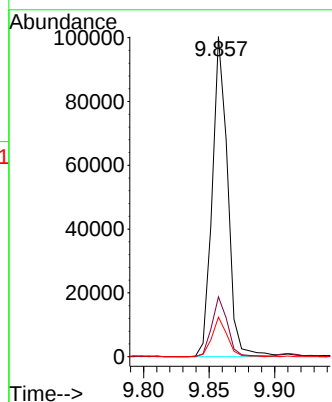
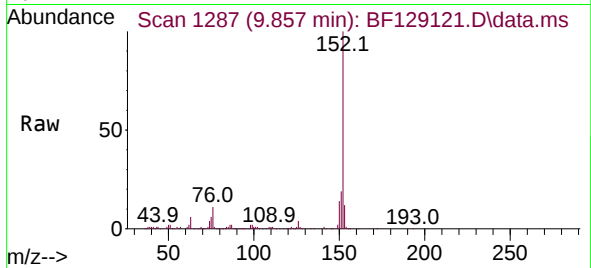




#49
Acenaphthylene
Concen: 2.126 ng
RT: 9.857 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

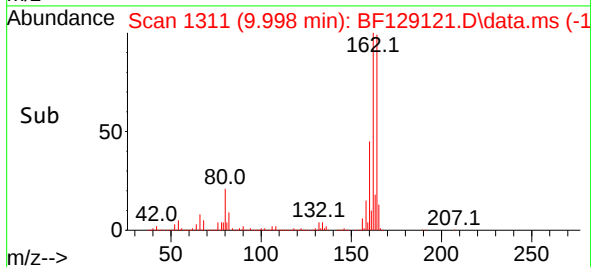
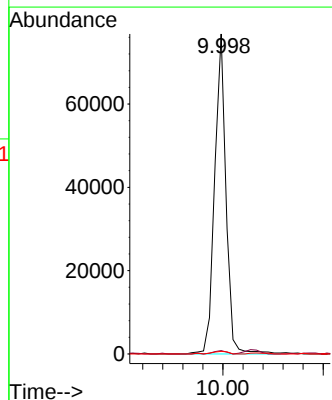
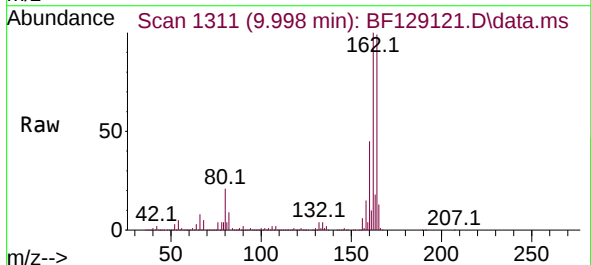
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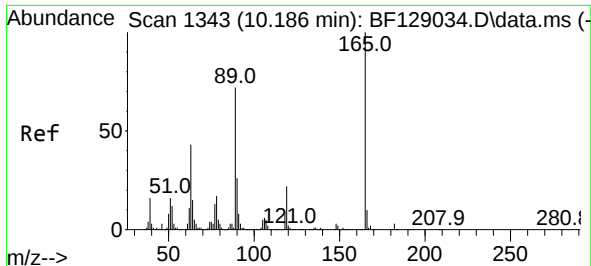
Tgt Ion:152 Resp: 82299
Ion Ratio Lower Upper
152 100
151 18.7 16.2 24.4
153 12.3 10.7 16.1



#51
2,6-Dinitrotoluene
Concen: 10.303 ng
RT: 9.998 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

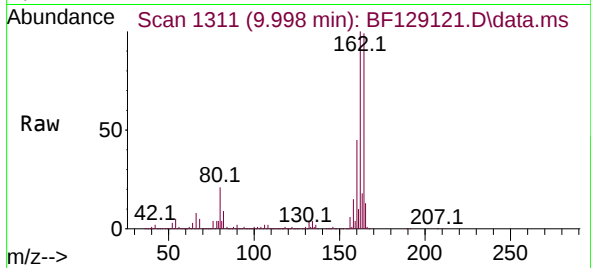
Tgt Ion:165 Resp: 60453
Ion Ratio Lower Upper
165 100
63 1.1 44.9 67.3#
89 0.8 43.6 65.4#



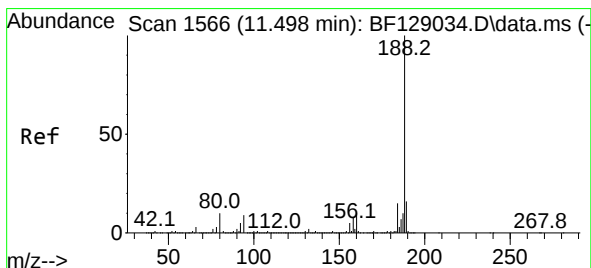
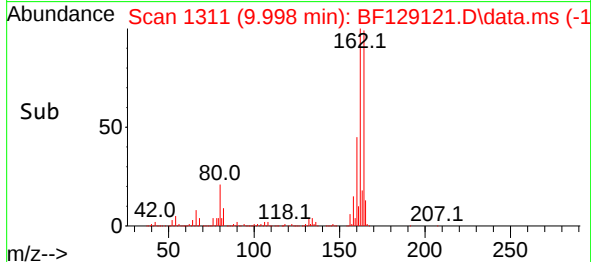
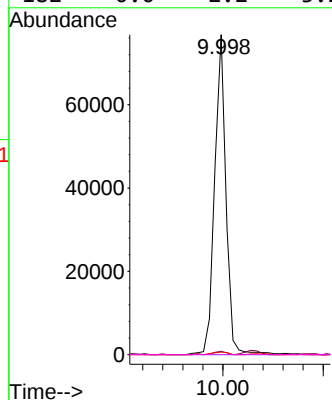


#57
2,4-Dinitrotoluene
Concen: 8.346 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Instrument :
BNA_F
ClientSampleId :
RBR-200033

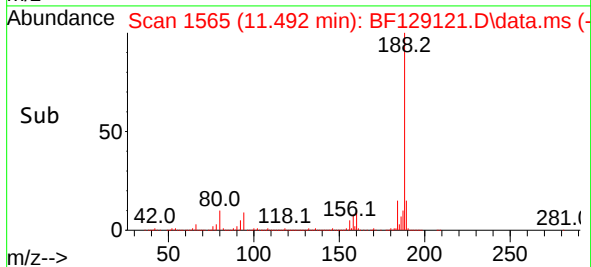
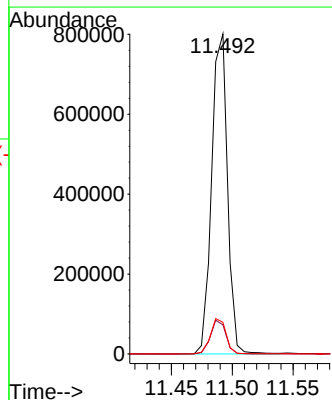
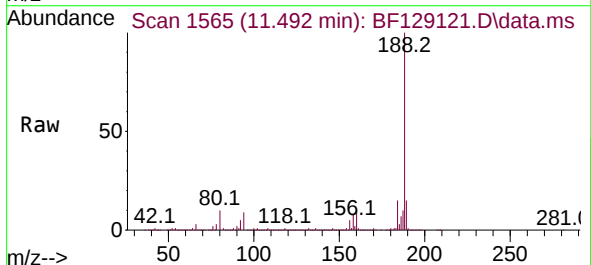


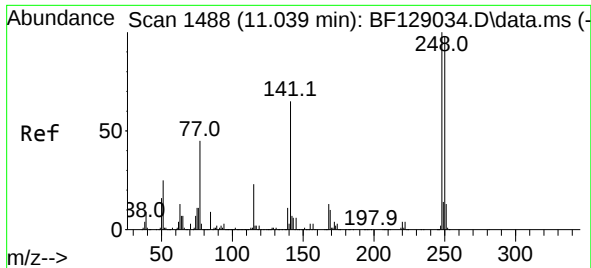
Tgt Ion:165 Resp: 60453
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 0.8 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:188 Resp: 723410
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 9.9 7.6 11.4

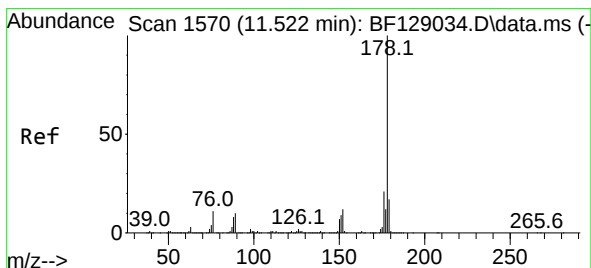
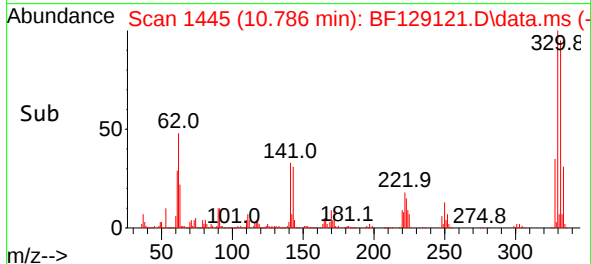
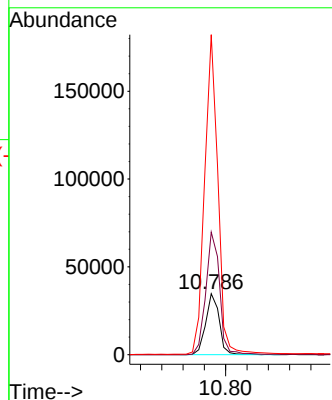
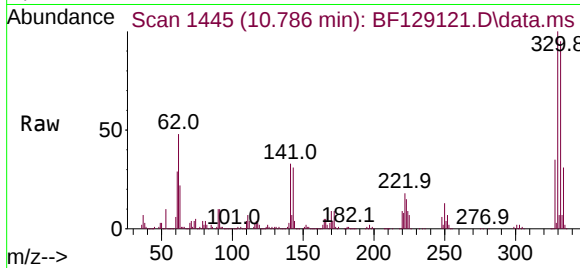




#67
4-Bromophenyl-phenylether
Concen: 3.978 ng
RT: 10.786 min Scan# 1488
Delta R.T. -0.253 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

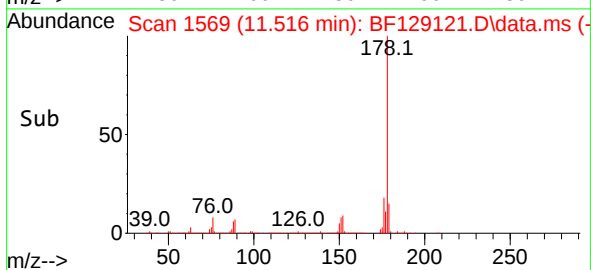
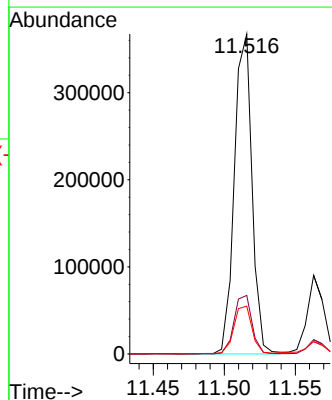
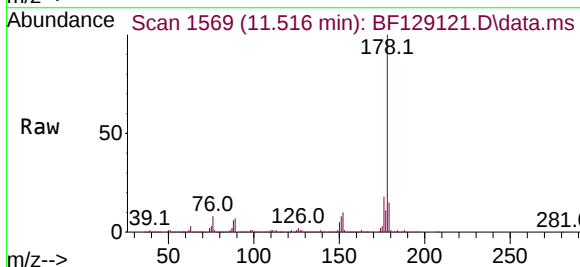
Instrument :
BNA_F
ClientSampleId :
RBR-200033

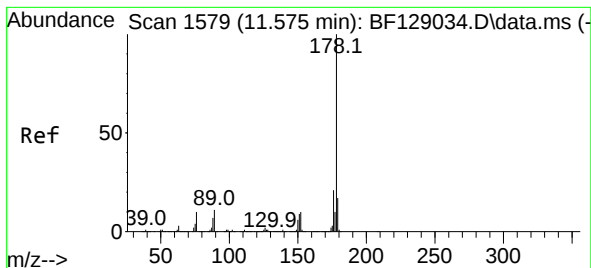
Tgt Ion:248 Resp: 30611
Ion Ratio Lower Upper
248 100
250 201.0 80.6 120.8#
141 525.0 58.9 88.3#



#71
Phenanthrene
Concen: 9.219 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:178 Resp: 318640
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 14.9 12.6 19.0





#72

Anthracene

Concen: 2.057 ng

RT: 11.563 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

RBR-200033

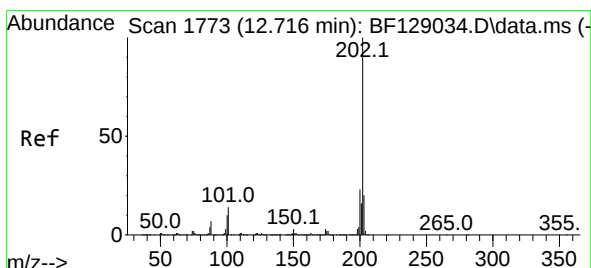
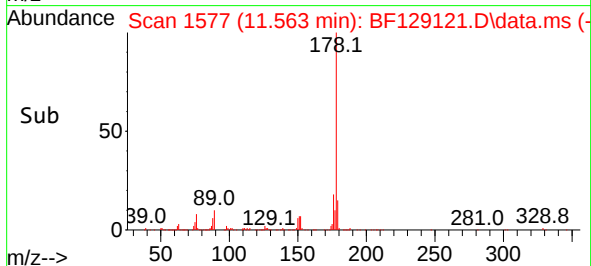
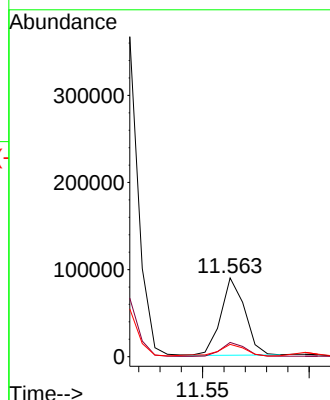
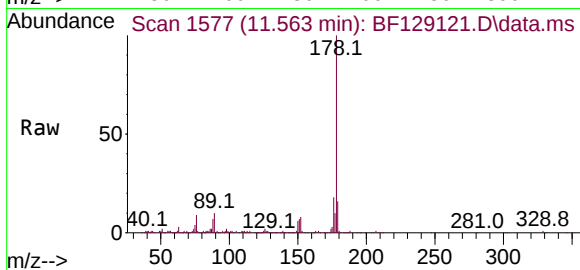
Tgt Ion:178 Resp: 70092

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.2

179 15.7 12.6 19.0



#75

Fluoranthene

Concen: 25.699 ng

RT: 12.710 min Scan# 1772

Delta R.T. -0.006 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

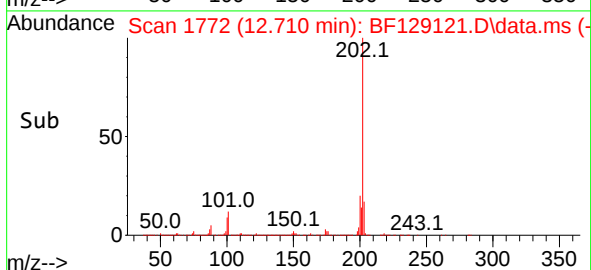
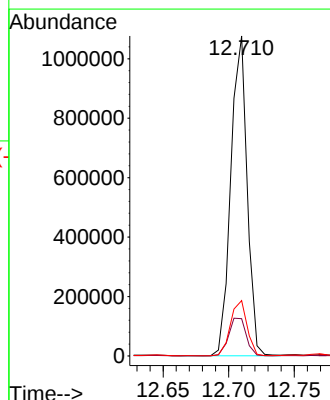
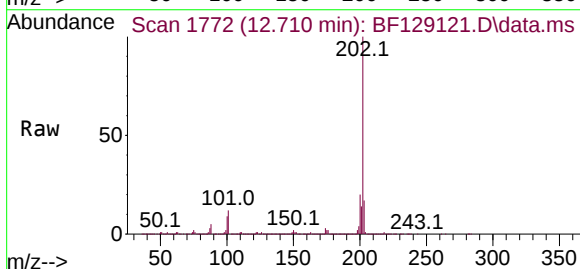
Tgt Ion:202 Resp: 928954

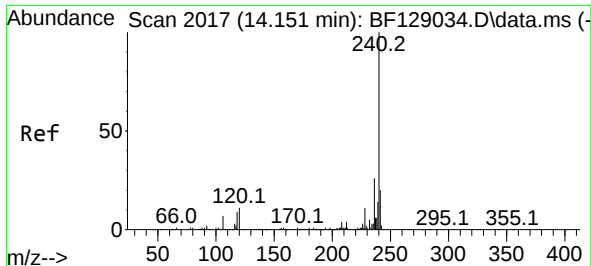
Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.4

203 17.3 0.0 38.0

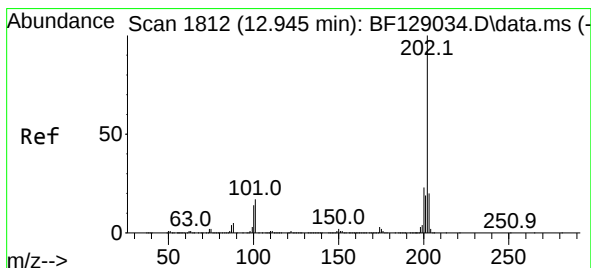
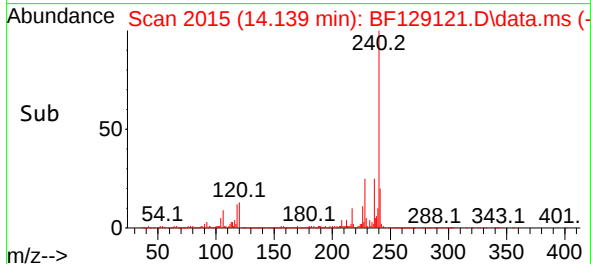
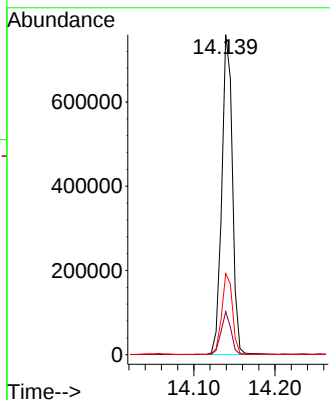
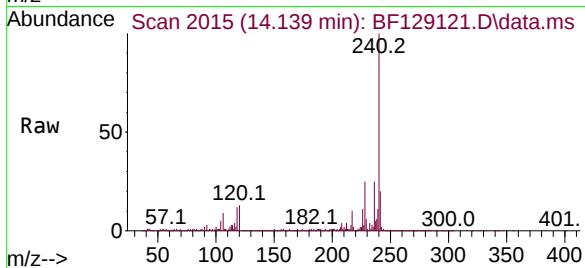




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

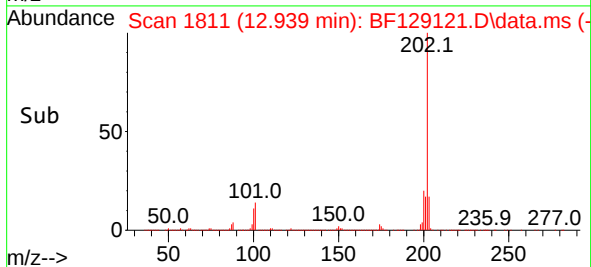
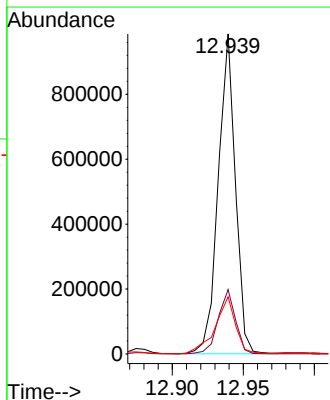
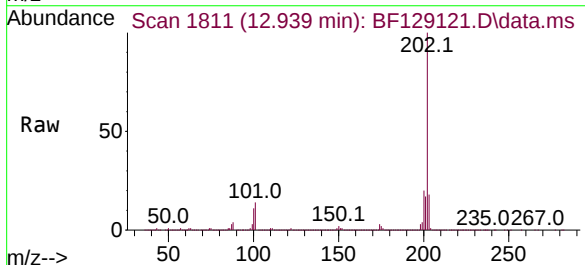
Instrument :
BNA_F
ClientSampleId :
RBR-200033

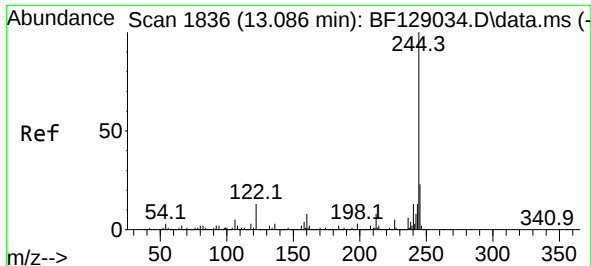
Tgt Ion:240 Resp: 694334
Ion Ratio Lower Upper
240 100
120 13.5 8.9 13.3#
236 25.4 20.8 31.2



#78
Pyrene
Concen: 17.220 ng
RT: 12.939 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:202 Resp: 828749
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 17.8 14.6 21.8

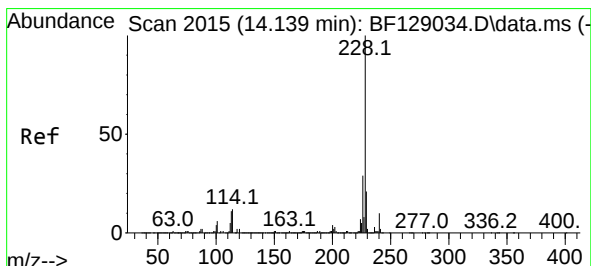
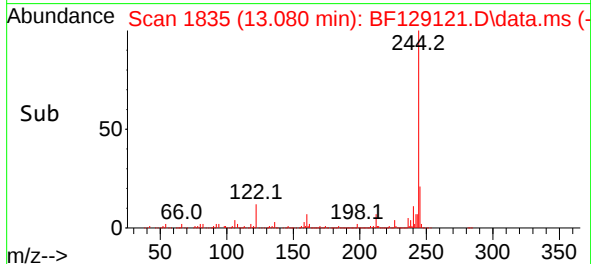
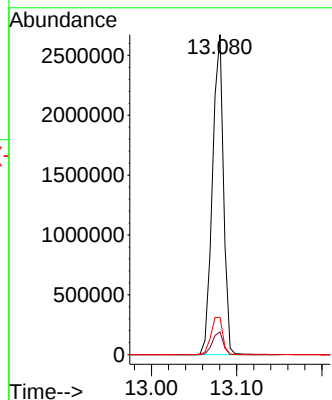
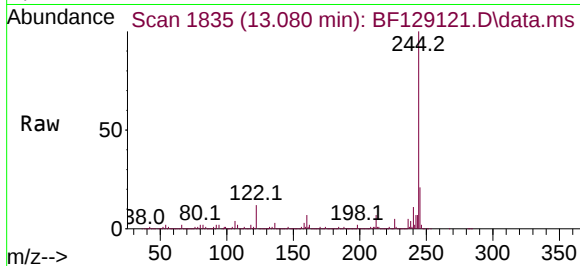




#79
 Terphenyl-d14
 Concen: 71.829 ng
 RT: 13.080 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129121.D
 Acq: 05 Jul 2022 13:44

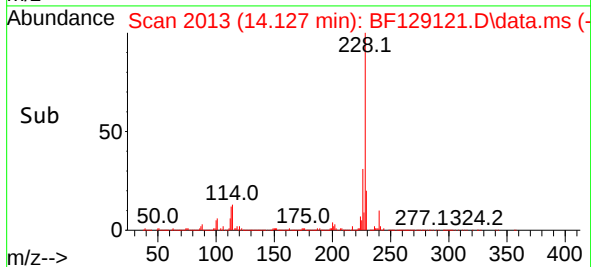
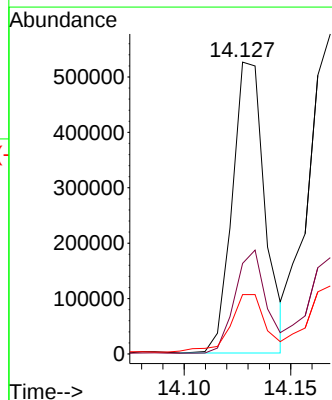
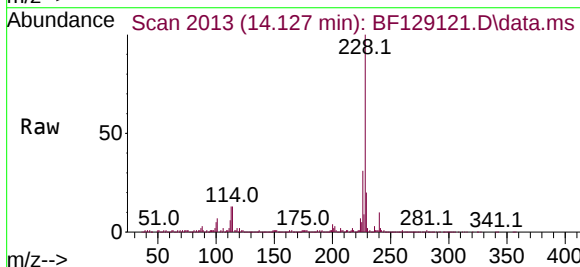
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200033

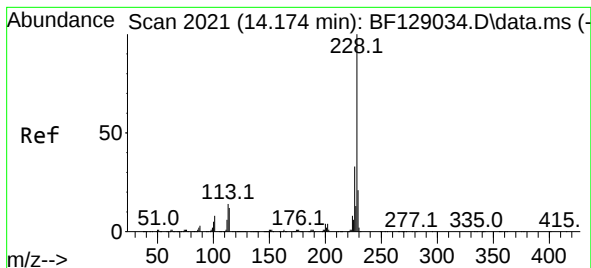
Tgt Ion:244 Resp: 2401643
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 11.6 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 13.240 ng
 RT: 14.127 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF129121.D
 Acq: 05 Jul 2022 13:44

Tgt Ion:228 Resp: 561287
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.1 33.1
 229 20.3 15.8 23.8





#83

Chrysene

Concen: 15.001 ng

RT: 14.169 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

RBR-200033

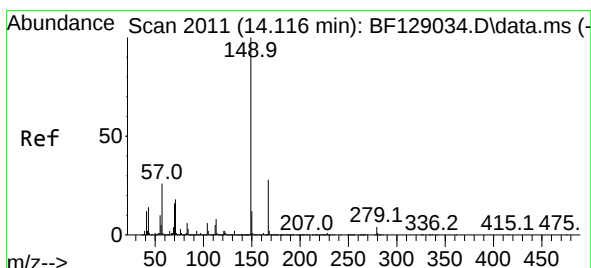
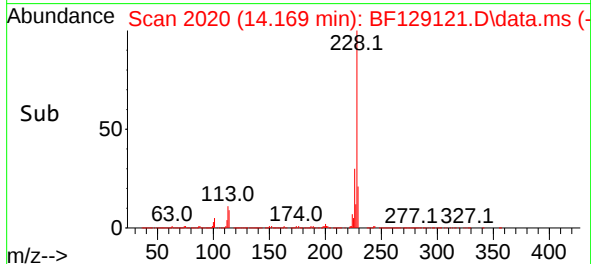
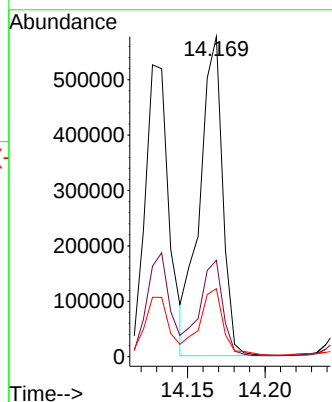
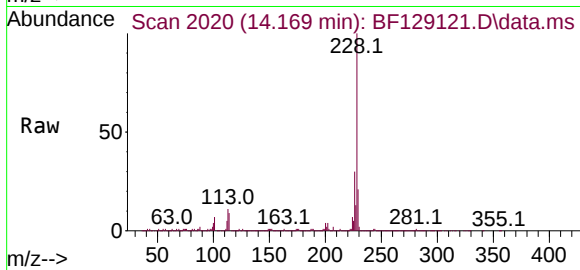
Tgt Ion:228 Resp: 590386

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 21.3 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.684 ng

RT: 14.110 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

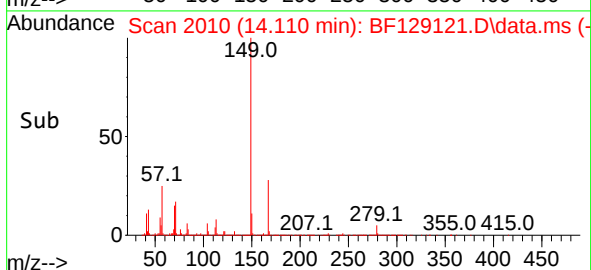
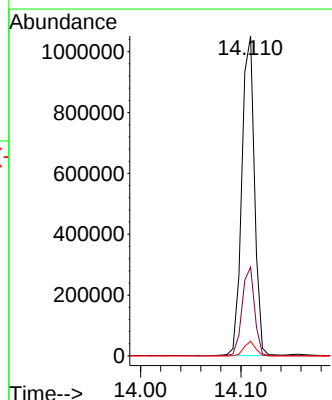
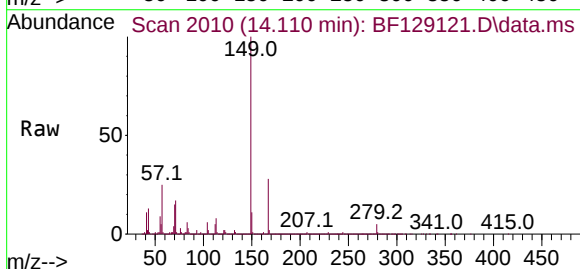
Tgt Ion:149 Resp: 929837

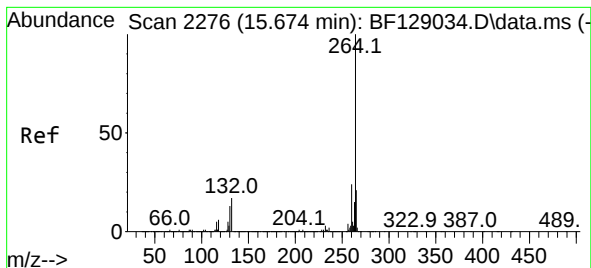
Ion Ratio Lower Upper

149 100

167 27.8 21.0 31.4

279 4.6 3.1 4.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

RBR-200033

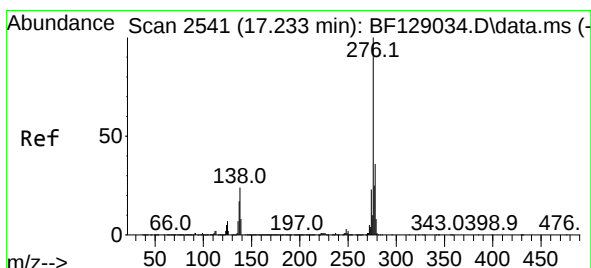
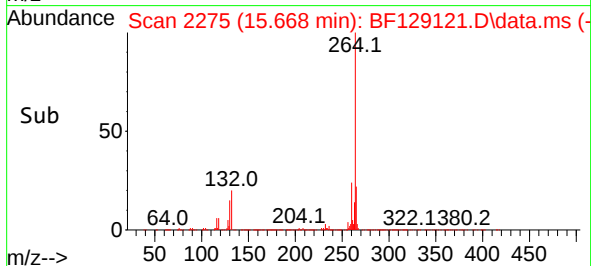
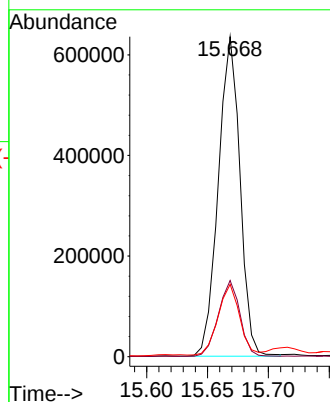
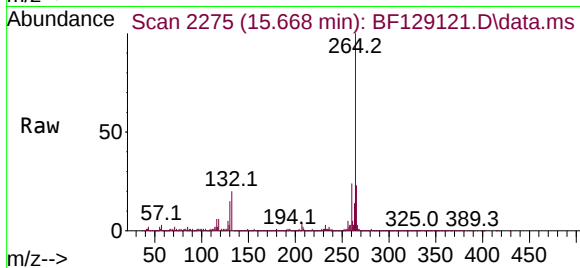
Tgt Ion:264 Resp: 788013

Ion Ratio Lower Upper

264 100

260 23.8 18.4 27.6

265 22.6 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.193 ng

RT: 17.215 min Scan# 2538

Delta R.T. -0.018 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

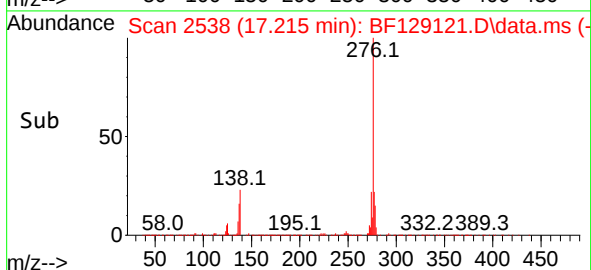
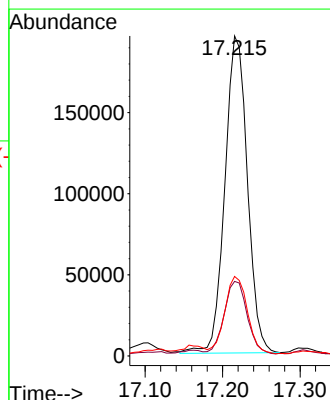
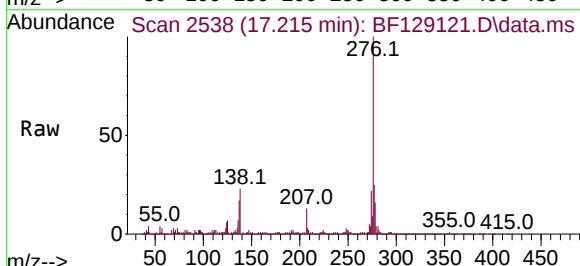
Tgt Ion:276 Resp: 395977

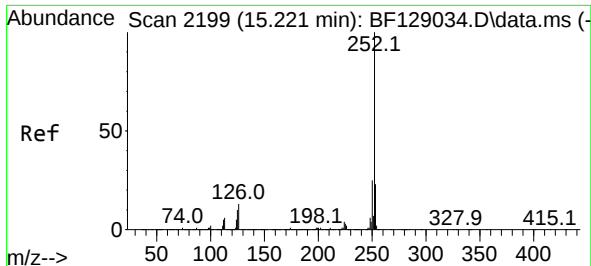
Ion Ratio Lower Upper

276 100

138 23.3 21.1 31.7

277 24.2 20.3 30.5

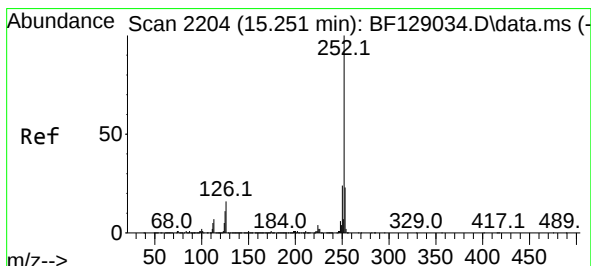
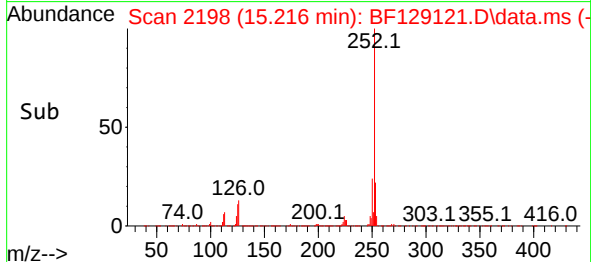
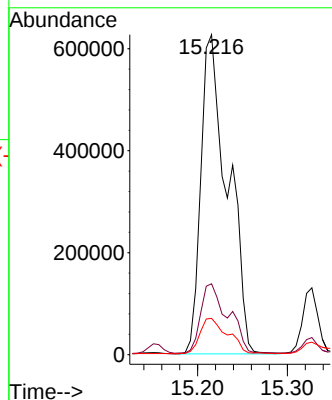
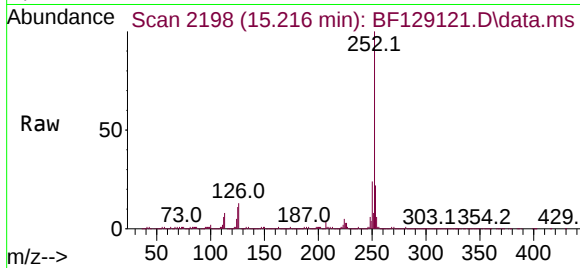




#88
Benzo(b)fluoranthene
Concen: 27.471 ng
RT: 15.216 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

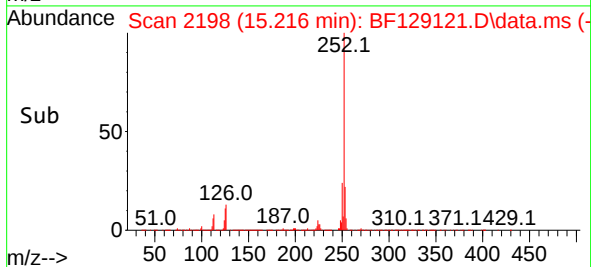
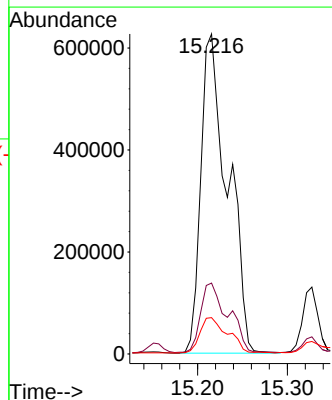
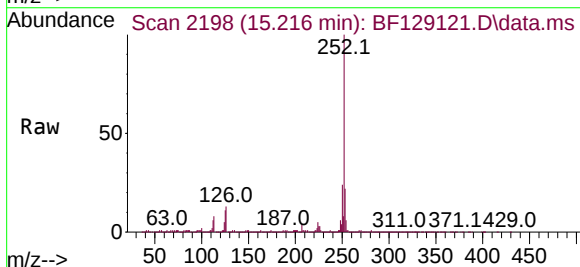
Instrument :
BNA_F
ClientSampleId :
RBR-200033

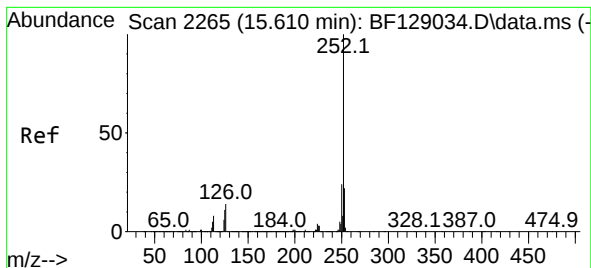
Tgt Ion:252 Resp: 1301893
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.4 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 28.323 ng
RT: 15.216 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF129121.D
Acq: 05 Jul 2022 13:44

Tgt Ion:252 Resp: 1301893
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 11.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 15.860 ng

RT: 15.598 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

Instrument :

BNA_F

ClientSampleId :

RBR-200033

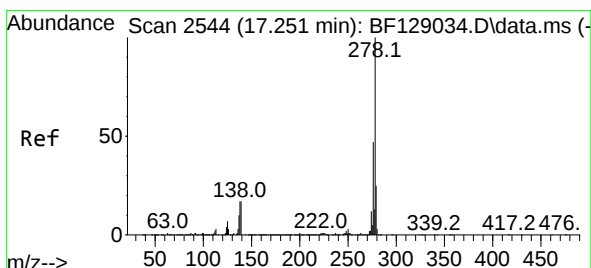
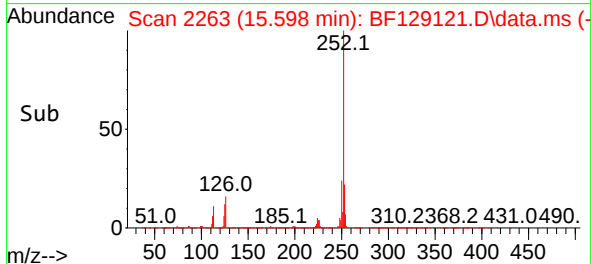
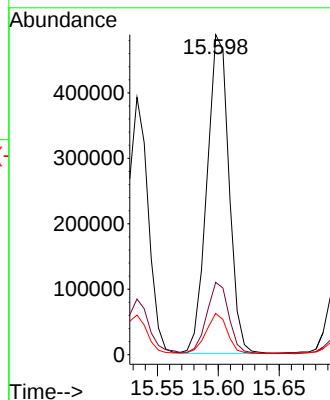
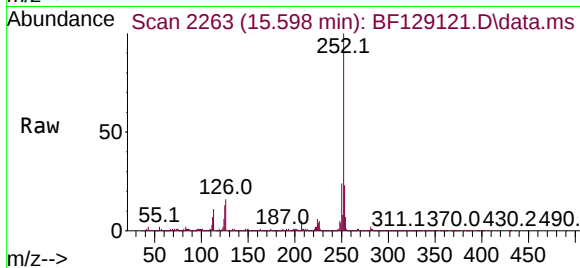
Tgt Ion:252 Resp: 612739

Ion Ratio Lower Upper

252 100

253 22.6 17.0 25.6

125 12.9 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 2.542 ng

RT: 17.233 min Scan# 2541

Delta R.T. -0.018 min

Lab File: BF129121.D

Acq: 05 Jul 2022 13:44

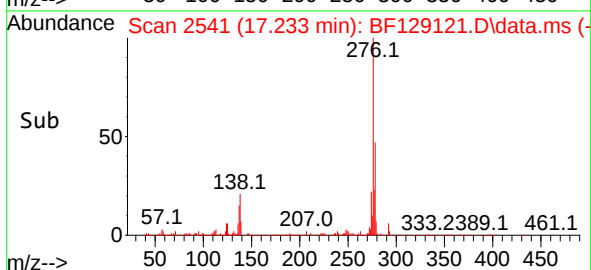
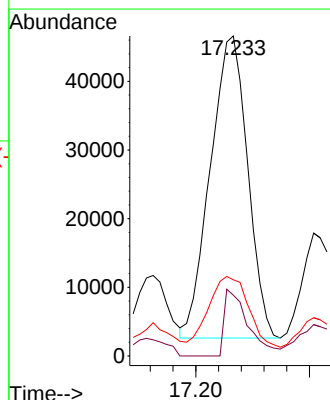
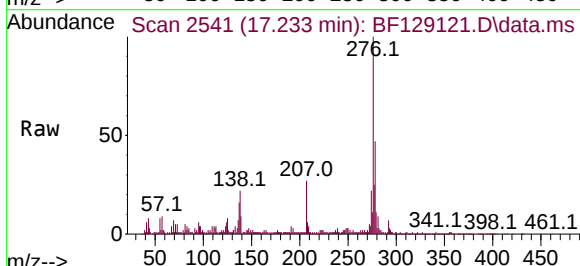
Tgt Ion:278 Resp: 100163

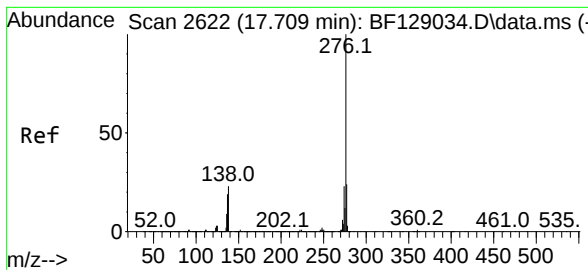
Ion Ratio Lower Upper

278 100

139 19.0 12.8 19.2

279 23.8 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 8.361 ng
 RT: 17.692 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF129121.D
 Acq: 05 Jul 2022 13:44

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200033

Tgt Ion:276 Resp: 330485

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	24.2	18.0	27.0

