

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070722\
 Data File : BF129168.D
 Acq On : 07 Jul 2022 20:03
 Operator : CG\JU
 Sample : N3584-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26572

Quant Time: Jul 08 01:56:41 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)

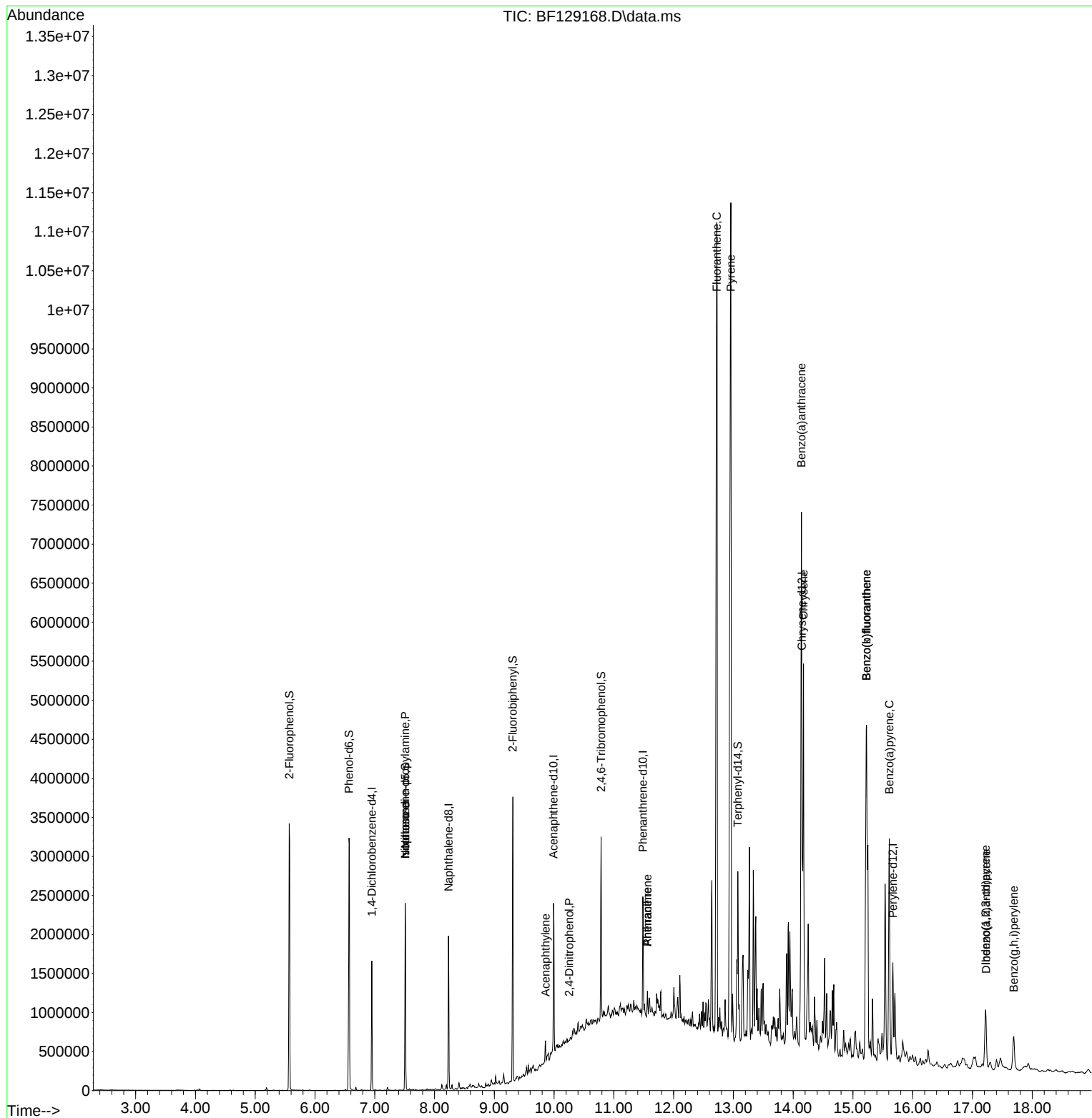
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	223979	20.000	ng	-0.01
21) Naphthalene-d8	8.233	136	821849	20.000	ng	-0.01
39) Acenaphthene-d10	9.992	164	382402	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	519116	20.000	ng	#-0.01
76) Chrysene-d12	14.145	240	444721	20.000	ng	0.00
86) Perylene-d12	15.668	264	514187	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	990973	74.800	ng	-0.02
7) Phenol-d6	6.569	99	1248306	75.867	ng	-0.02
23) Nitrobenzene-d5	7.510	82	773223	56.117	ng	-0.02
42) 2,4,6-Tribromophenol	10.786	330	291656	70.142	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1033924	43.254	ng	-0.01
79) Terphenyl-d14	13.074	244	693353	32.376	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	532	Below Cal	#	72
19) n-Nitroso-di-n-propyla...	7.510	70	100552	10.564	ng	# 70
25) Isophorone	7.510	82	765718	32.882	ng	# 65
49) Acenaphthylene	9.857	152	89043	2.760	ng	97
54) 2,4-Dinitrophenol	10.251	184	164	6.923	ng	# 1
71) Phenanthrene	11.563	178	108717	4.383	ng	96
72) Anthracene	11.563	178	108717	4.446	ng	97
75) Fluoranthene	12.721	202	5580637	215.140	ng	93
78) Pyrene	12.957	202	5783933	187.631	ng	# 91
81) Benzo(a)anthracene	14.139	228	2771240	102.057	ng	95
83) Chrysene	14.174	228	1696964	67.317	ng	96
87) Indeno(1,2,3-cd)pyrene	17.221	276	517870	16.421	ng	95
88) Benzo(b)fluoranthene	15.227	252	3849473	124.485	ng	98
89) Benzo(k)fluoranthene	15.227	252	3849473	128.346	ng	98
90) Benzo(a)pyrene	15.609	252	1413901	56.088	ng	98
91) Dibenzo(a,h)anthracene	17.227	278	142128	5.529	ng	95
92) Benzo(g,h,i)perylene	17.692	276	367632	14.253	ng	100

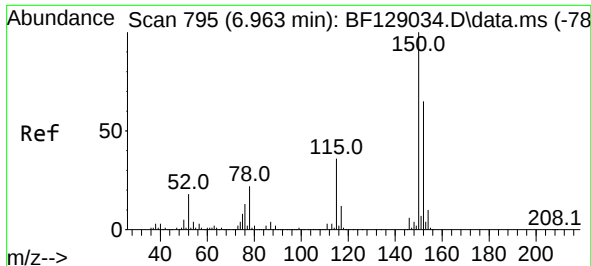
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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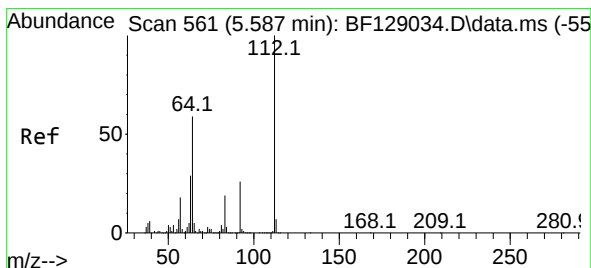
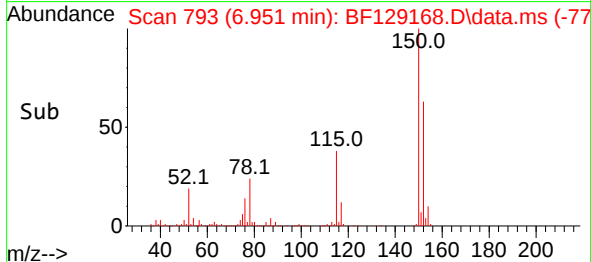
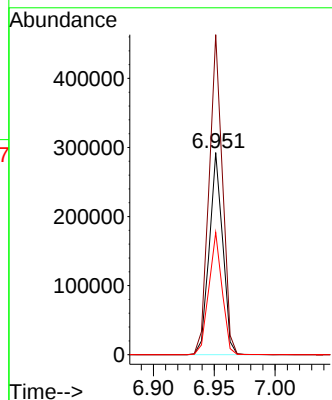
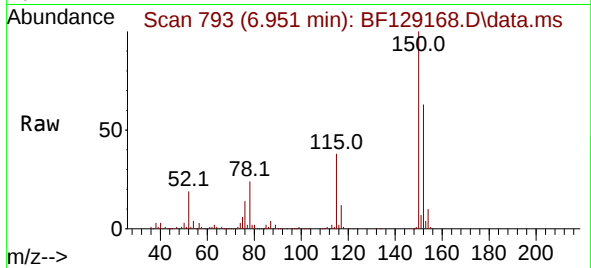




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

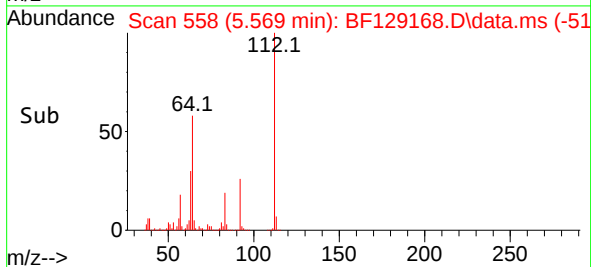
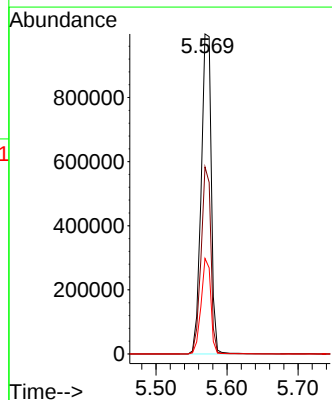
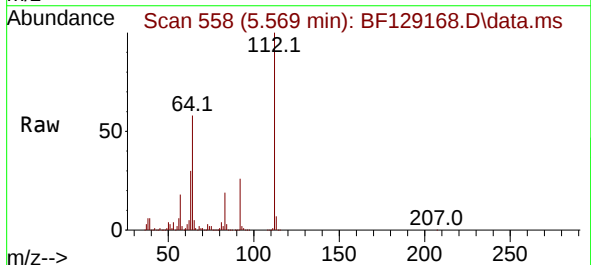
Instrument :
BNA_F
ClientSampleId :
CHRT-26572

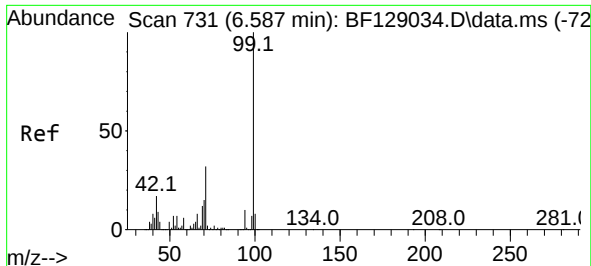
Tgt Ion:152 Resp: 223979
Ion Ratio Lower Upper
152 100
150 158.3 123.7 185.5
115 60.5 49.9 74.9



#5
2-Fluorophenol
Concen: 74.800 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.018 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion:112 Resp: 990973
Ion Ratio Lower Upper
112 100
64 58.5 53.3 79.9
63 29.9 28.0 42.0

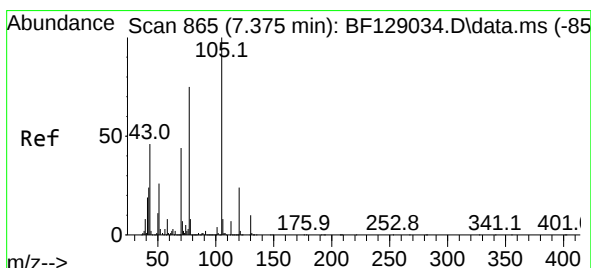
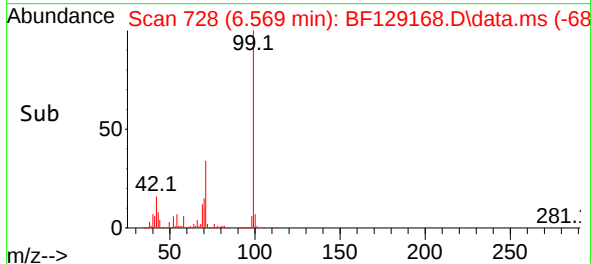
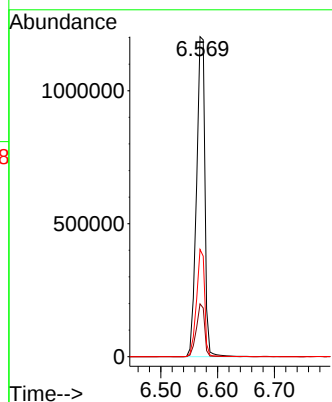
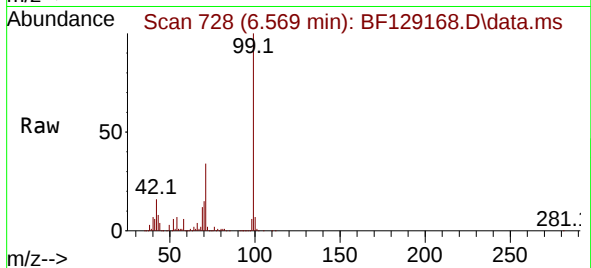




#7
Phenol-d6
Concen: 75.867 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

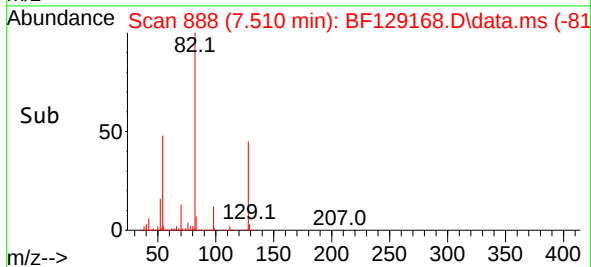
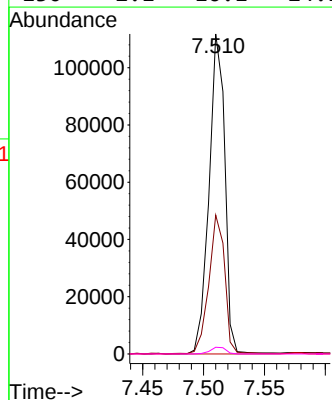
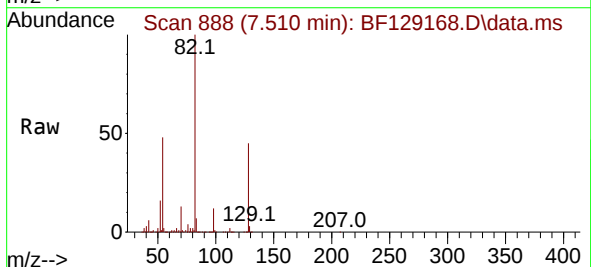
Instrument :
BNA_F
ClientSampleId :
CHRT-26572

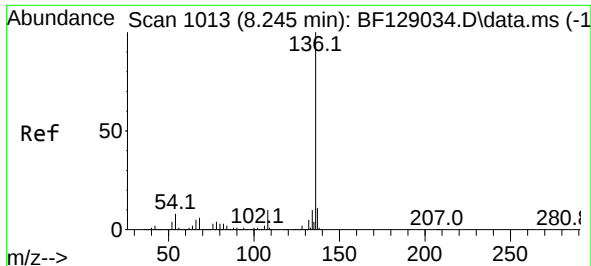
Tgt Ion: 99 Resp: 1248306
Ion Ratio Lower Upper
99 100
42 16.5 17.3 25.9#
71 33.5 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.564 ng
RT: 7.510 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion: 70 Resp: 100552
Ion Ratio Lower Upper
70 100
42 43.4 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#



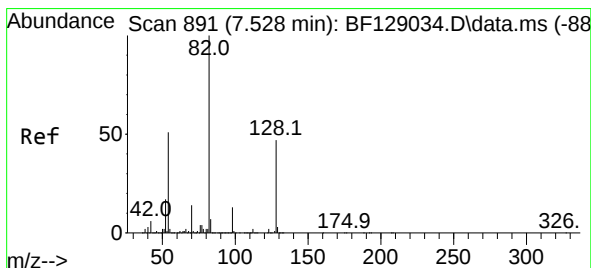
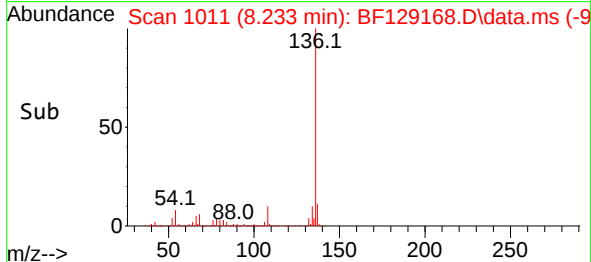
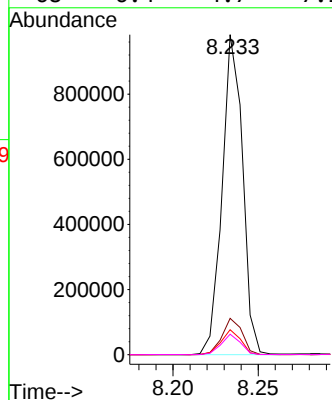
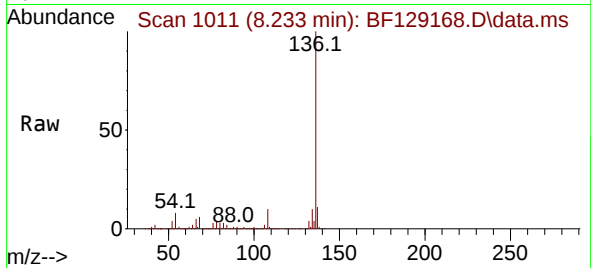


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Instrument :
BNA_F
ClientSampleId :
CHRT-26572

Tgt Ion:136 Resp: 821849

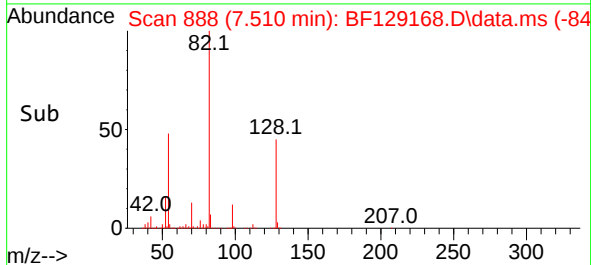
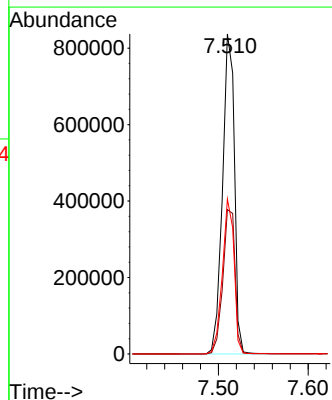
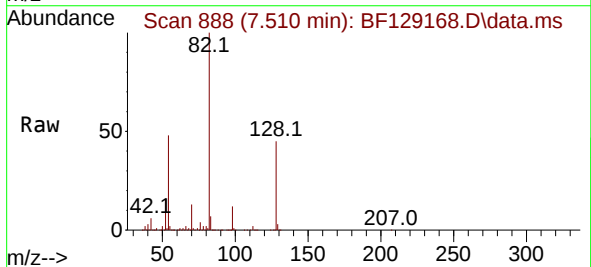
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.8	7.5	11.3
68	6.4	4.7	7.1

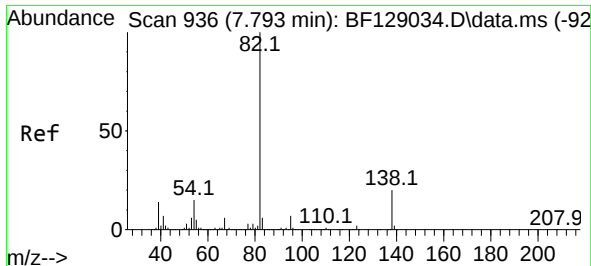


#23
Nitrobenzene-d5
Concen: 56.117 ng
RT: 7.510 min Scan# 888
Delta R.T. -0.018 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion: 82 Resp: 773223

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.0	51.0
54	48.4	46.9	70.3

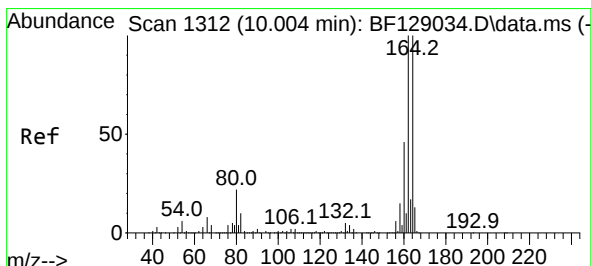
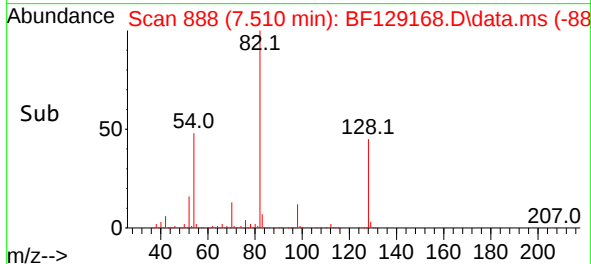
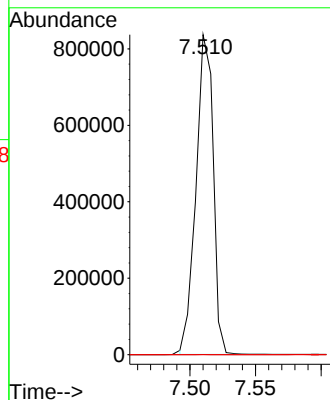
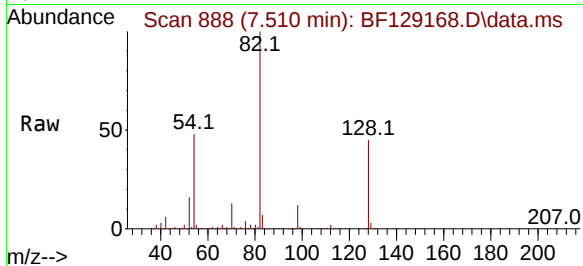




#25
Isophorone
Concen: 32.882 ng
RT: 7.510 min Scan# 81
Delta R.T. -0.283 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

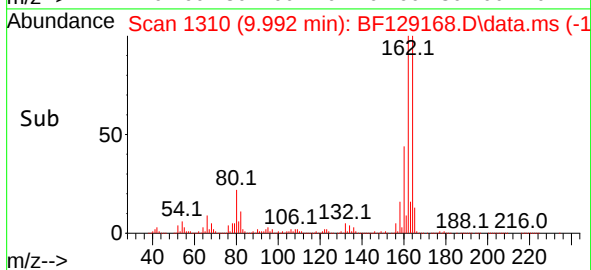
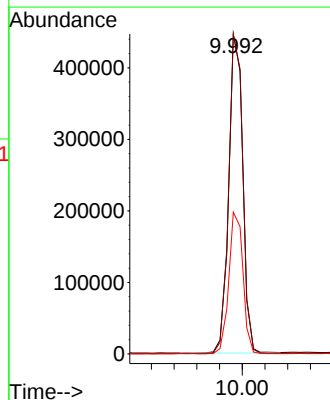
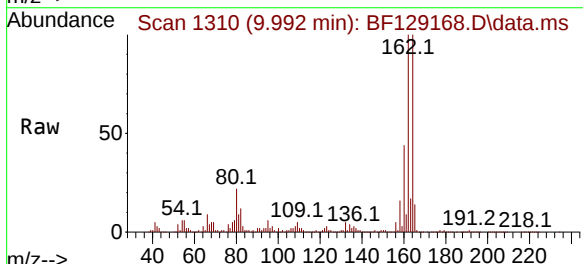
Instrument :
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ClientSampleId :
CHRT-26572

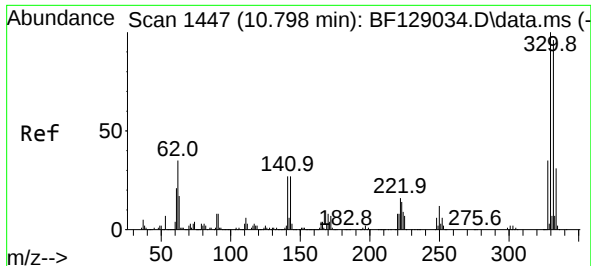
Tgt Ion: 82 Resp: 765718
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion: 164 Resp: 382402
Ion Ratio Lower Upper
164 100
162 99.9 79.5 119.3
160 44.3 34.2 51.4

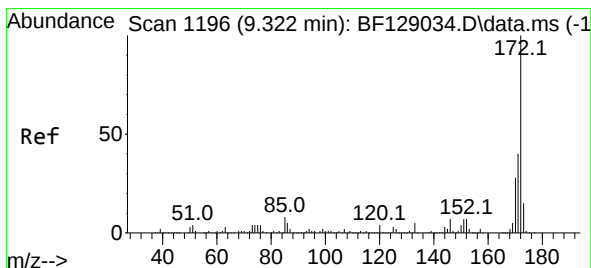
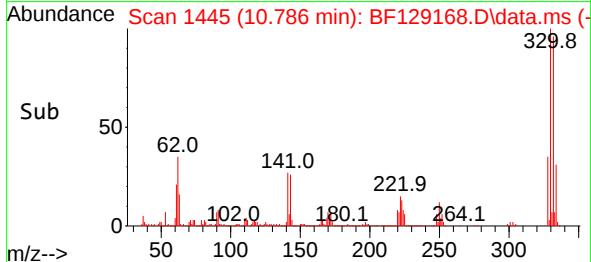
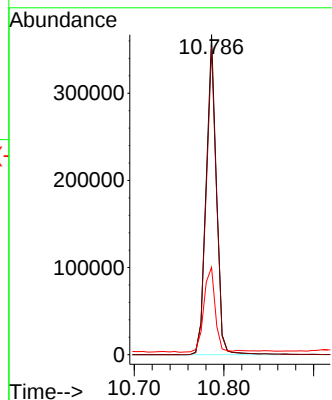
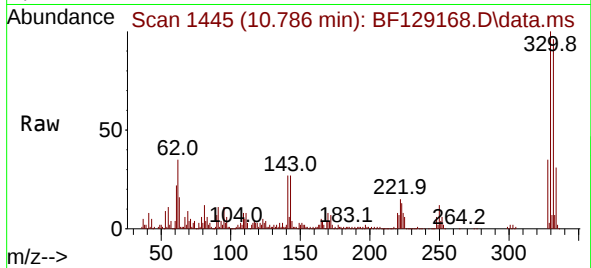




#42
2,4,6-Tribromophenol
Concen: 70.142 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

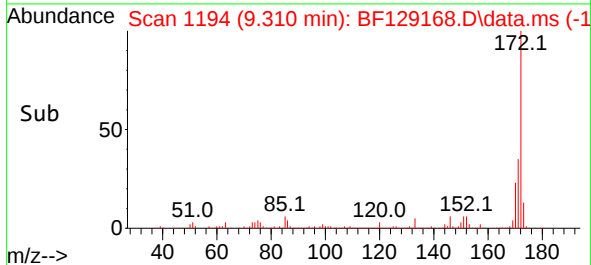
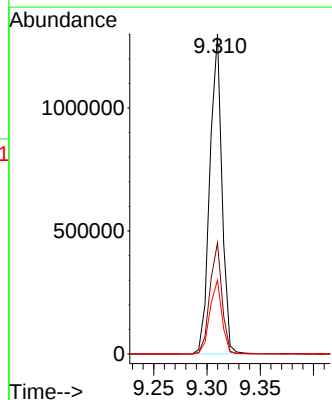
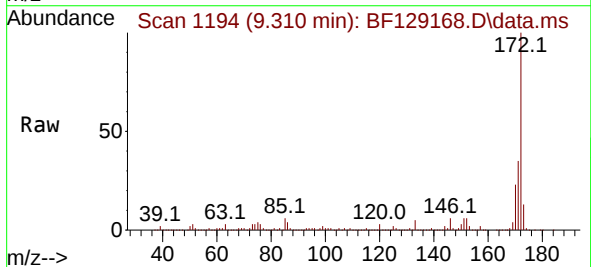
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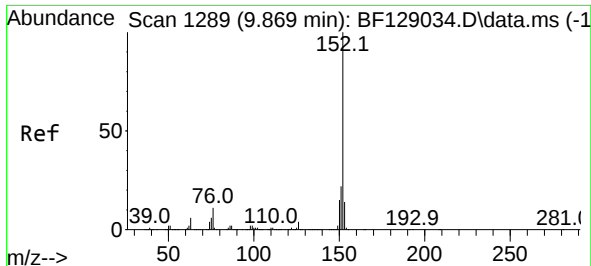
Tgt Ion:330 Resp: 291656
Ion Ratio Lower Upper
330 100
332 96.7 76.8 115.2
141 29.3 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 43.254 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion:172 Resp: 1033924
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.1 19.8 29.8

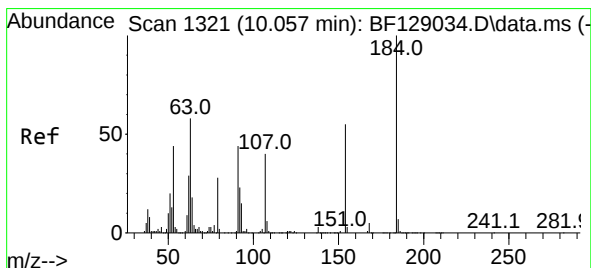
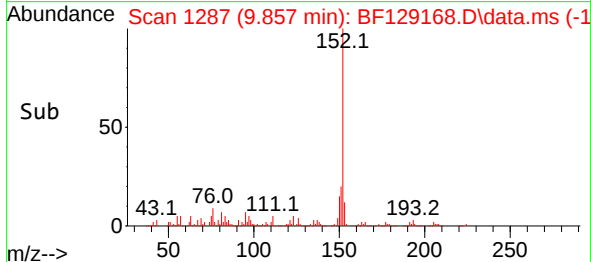
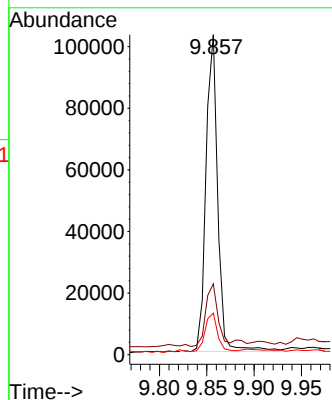
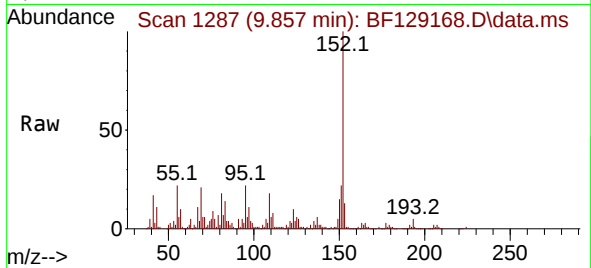




#49
Acenaphthylene
Concen: 2.760 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

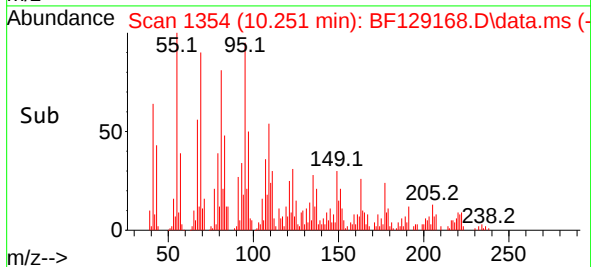
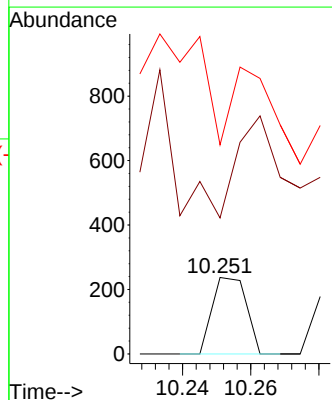
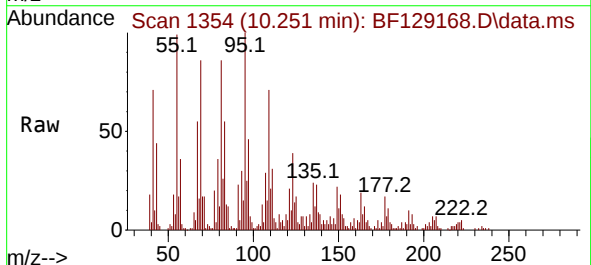
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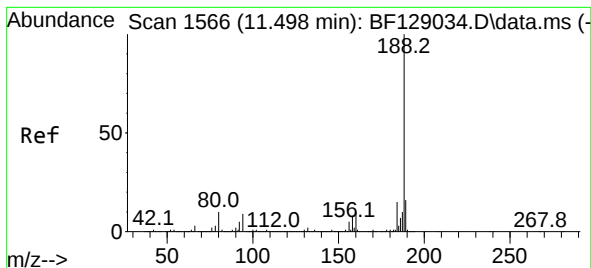
Tgt Ion:152 Resp: 89043
Ion Ratio Lower Upper
152 100
151 22.1 16.2 24.4
153 13.0 10.7 16.1



#54
2,4-Dinitrophenol
Concen: 6.923 ng
RT: 10.251 min Scan# 1354
Delta R.T. 0.194 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion:184 Resp: 164
Ion Ratio Lower Upper
184 100
63 178.1 64.5 96.7#
154 273.8 50.6 75.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

Instrument :

BNA_F

ClientSampleId :

CHRT-26572

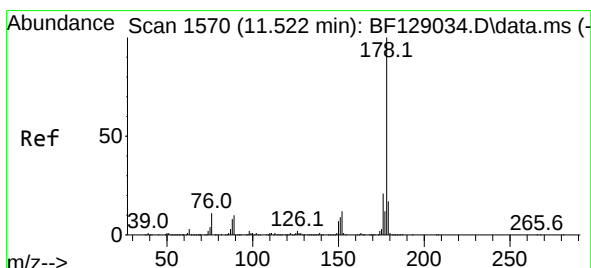
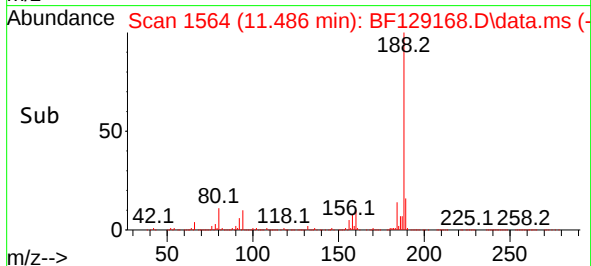
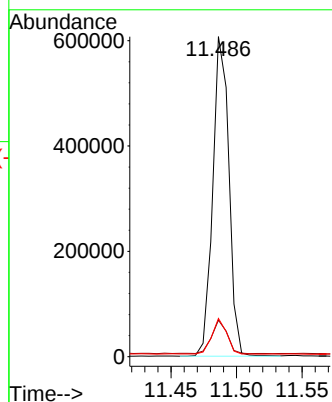
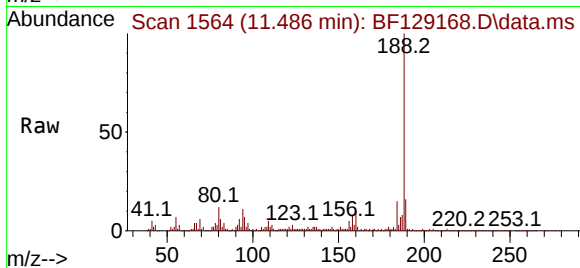
Tgt Ion:188 Resp: 519116

Ion Ratio Lower Upper

188 100

94 11.4 7.0 10.6#

80 12.0 7.6 11.4#



#71

Phenanthrene

Concen: 4.383 ng

RT: 11.563 min Scan# 1577

Delta R.T. 0.041 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

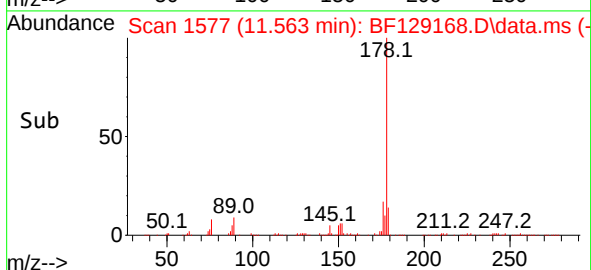
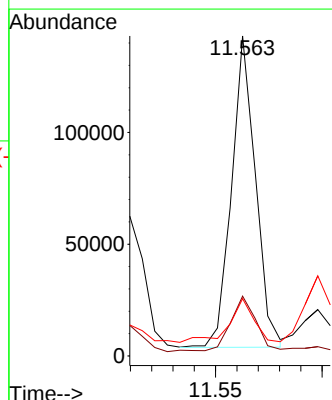
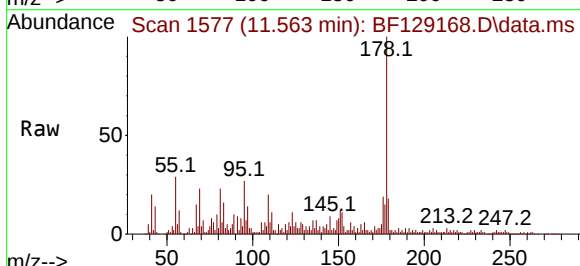
Tgt Ion:178 Resp: 108717

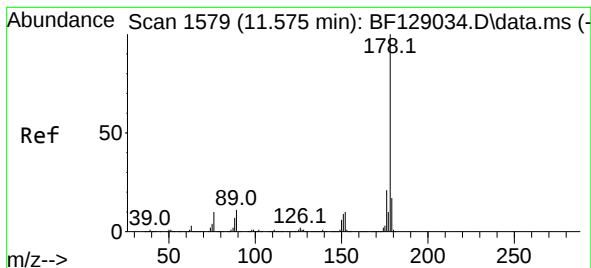
Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

179 17.9 12.6 19.0





#72

Anthracene

Concen: 4.446 ng

RT: 11.563 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

Instrument :

BNA_F

ClientSampleId :

CHRT-26572

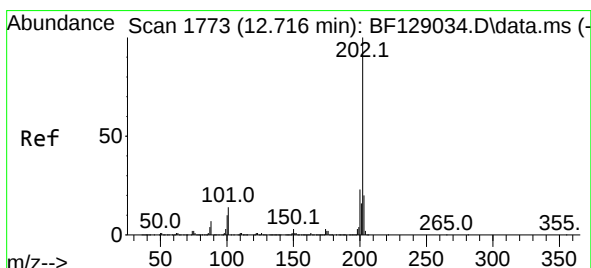
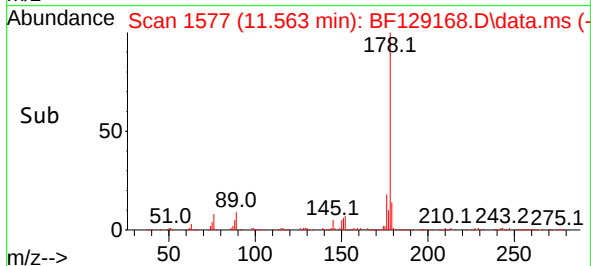
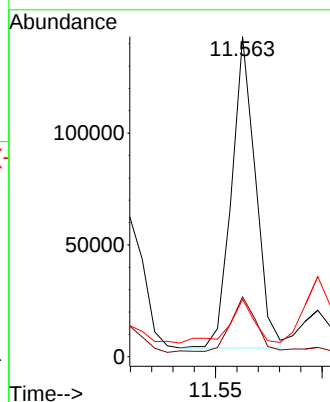
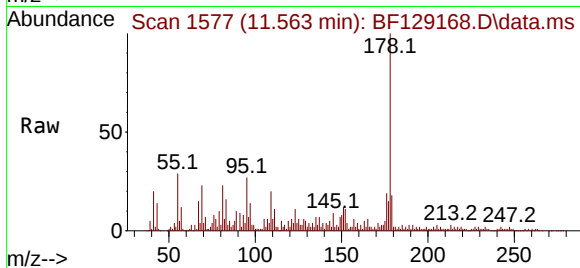
Tgt Ion:178 Resp: 108717

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

179 17.9 12.6 19.0



#75

Fluoranthene

Concen: 215.140 ng

RT: 12.721 min Scan# 1774

Delta R.T. 0.006 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

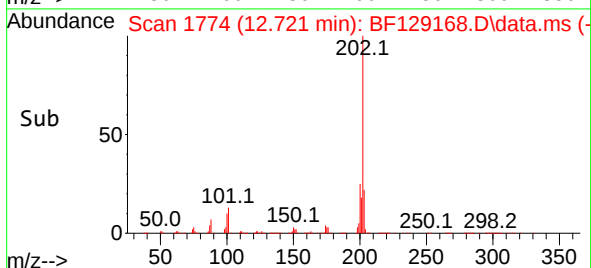
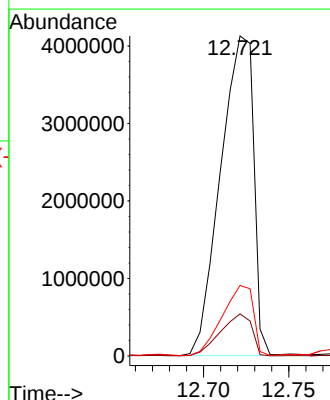
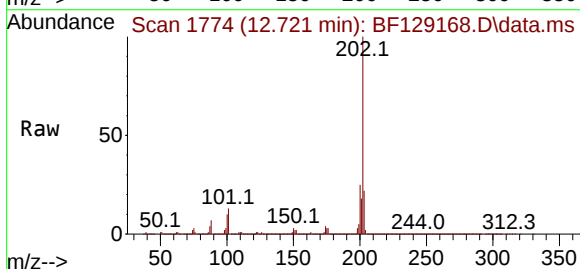
Tgt Ion:202 Resp: 5580637

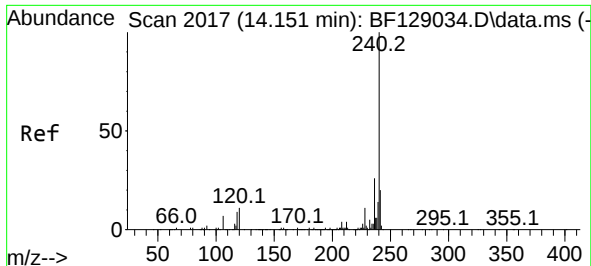
Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.4

203 22.0 0.0 38.0

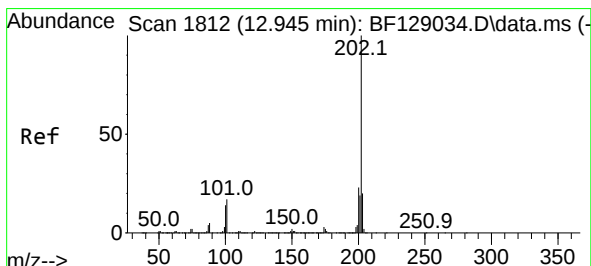
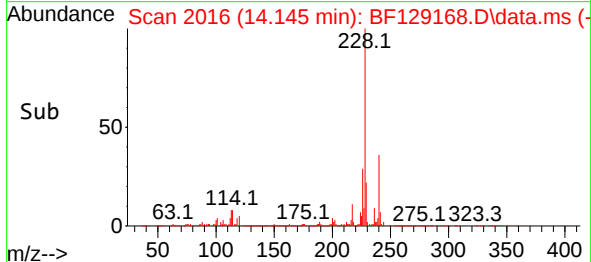
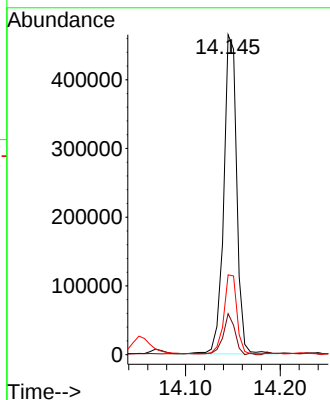
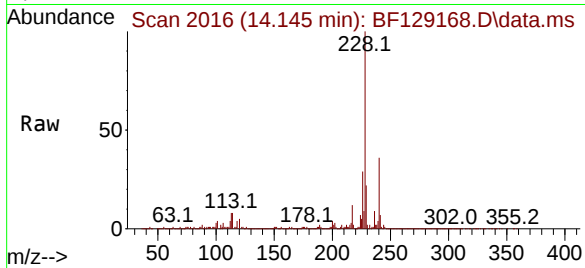




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

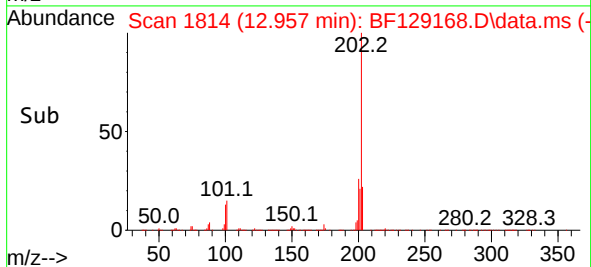
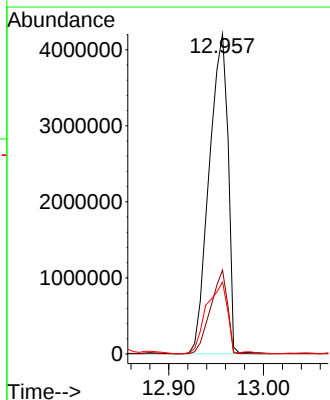
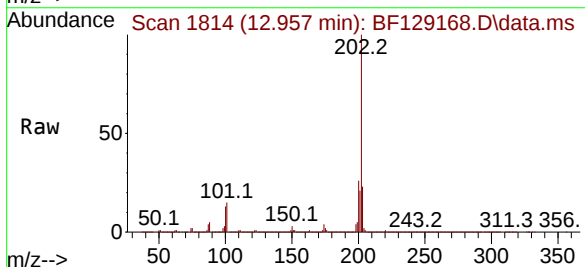
Instrument :
BNA_F
ClientSampleId :
CHRT-26572

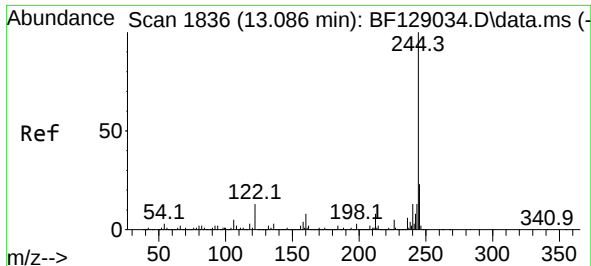
Tgt Ion:240 Resp: 444721
Ion Ratio Lower Upper
240 100
120 12.8 8.9 13.3
236 24.9 20.8 31.2



#78
Pyrene
Concen: 187.631 ng
RT: 12.957 min Scan# 1814
Delta R.T. 0.012 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion:202 Resp: 5783933
Ion Ratio Lower Upper
202 100
200 26.2 17.7 26.5
203 22.5 14.6 21.8#

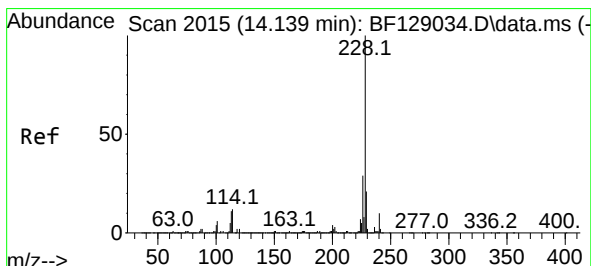
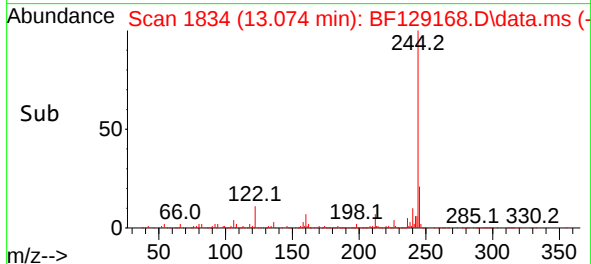
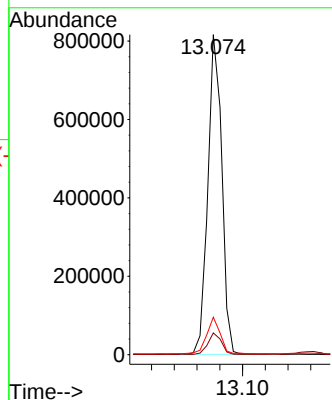
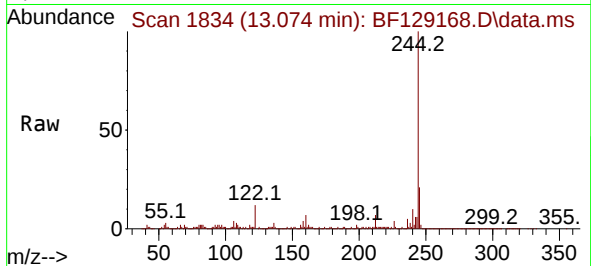




#79
 Terphenyl-d14
 Concen: 32.376 ng
 RT: 13.074 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF129168.D
 Acq: 07 Jul 2022 20:03

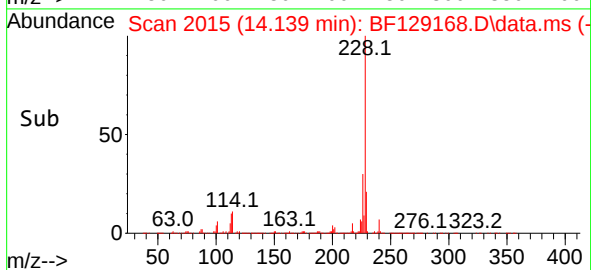
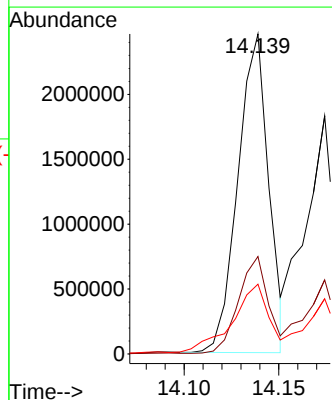
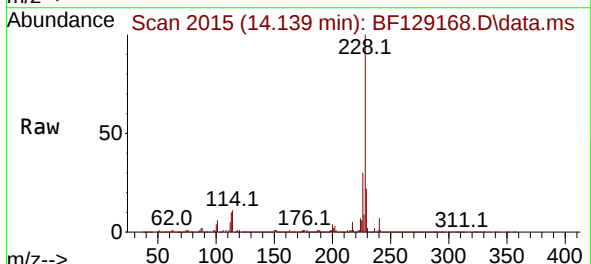
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26572

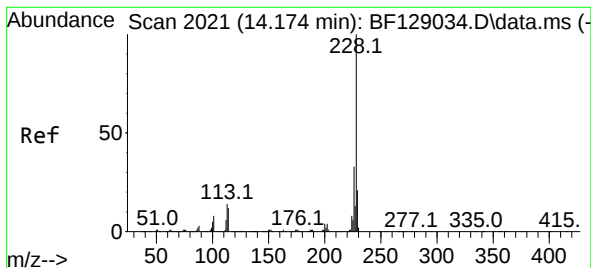
Tgt Ion:244 Resp: 693353
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 11.7 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 102.057 ng
 RT: 14.139 min Scan# 2015
 Delta R.T. -0.000 min
 Lab File: BF129168.D
 Acq: 07 Jul 2022 20:03

Tgt Ion:228 Resp: 2771240
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.1 33.1
 229 21.8 15.8 23.8





#83

Chrysene

Concen: 67.317 ng

RT: 14.174 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

Instrument :

BNA_F

ClientSampleId :

CHRT-26572

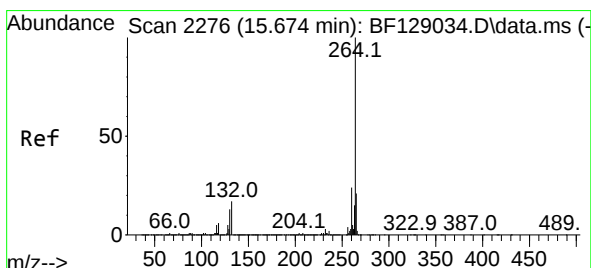
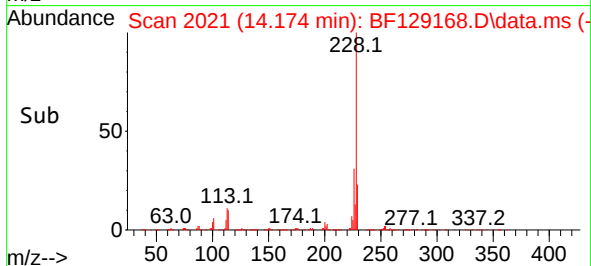
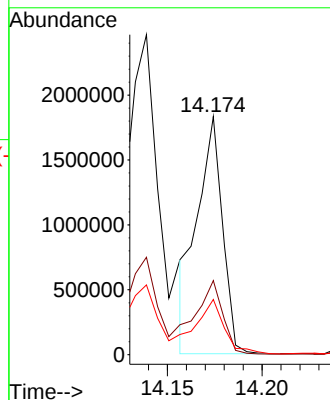
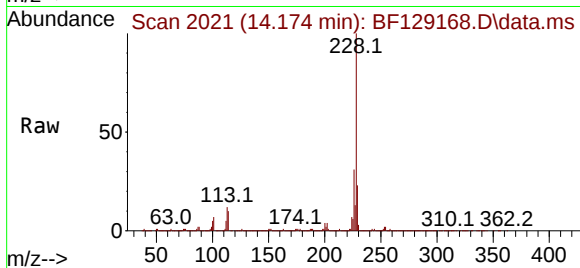
Tgt Ion:228 Resp: 1696964

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

229 23.2 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

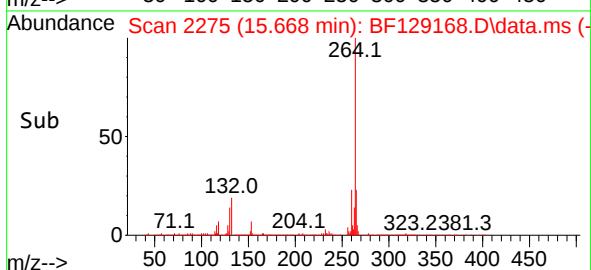
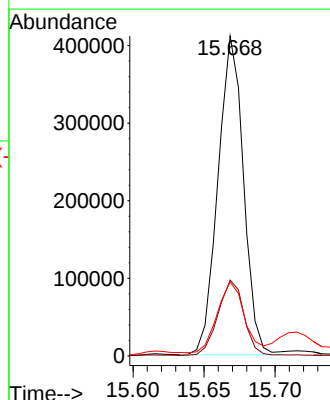
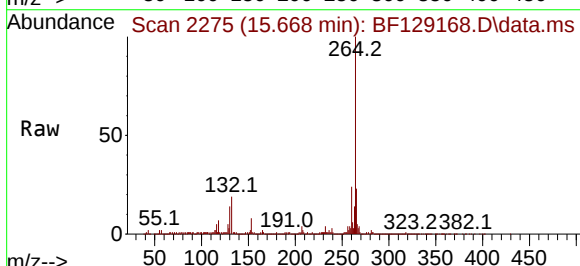
Tgt Ion:264 Resp: 514187

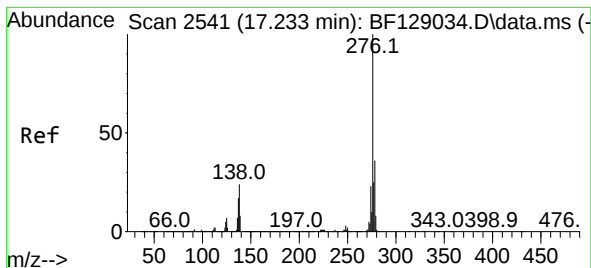
Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 23.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 16.421 ng

RT: 17.221 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

Instrument :

BNA_F

ClientSampleId :

CHRT-26572

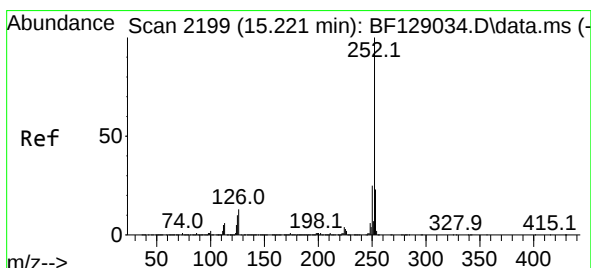
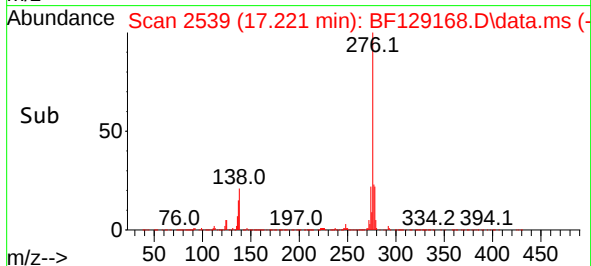
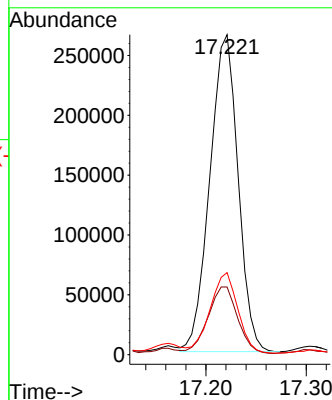
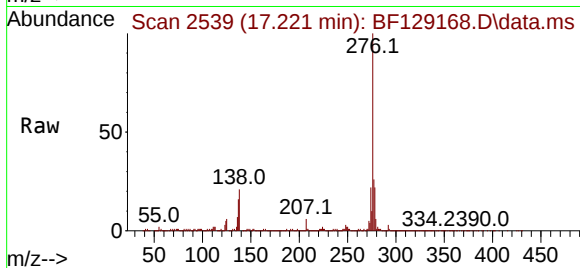
Tgt Ion:276 Resp: 517870

Ion Ratio Lower Upper

276 100

138 22.2 21.1 31.7

277 25.0 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 124.485 ng

RT: 15.227 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF129168.D

Acq: 07 Jul 2022 20:03

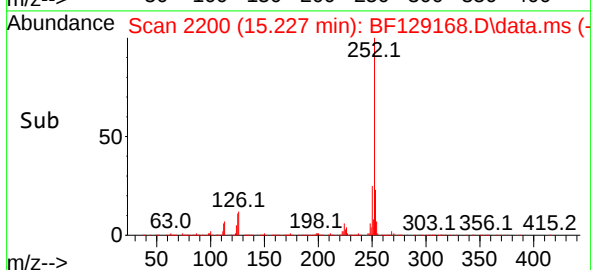
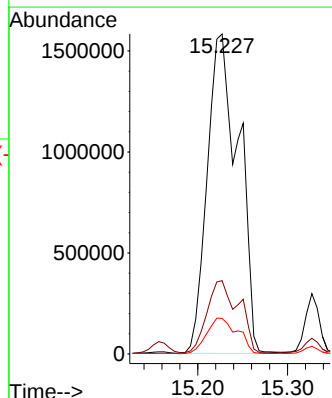
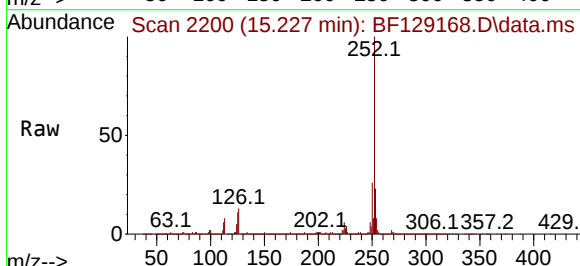
Tgt Ion:252 Resp: 3849473

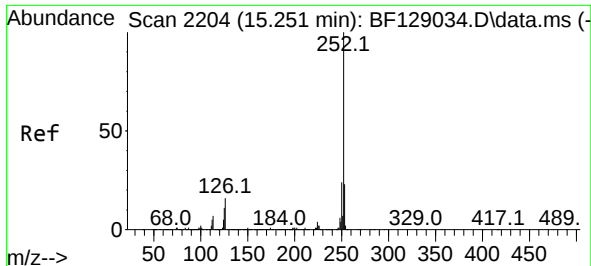
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.1 8.0 12.0

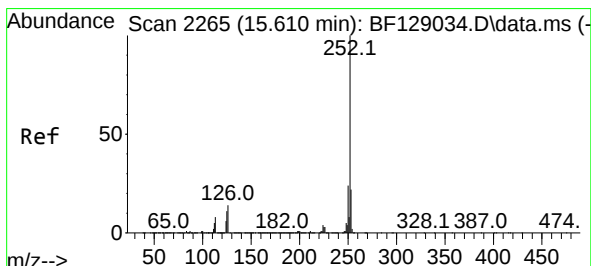
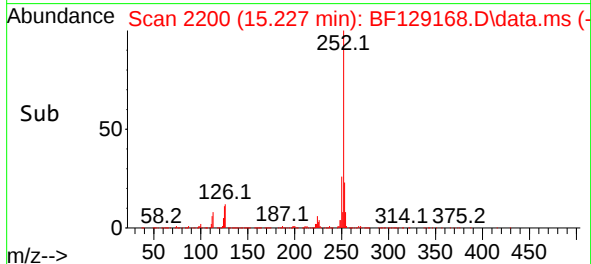
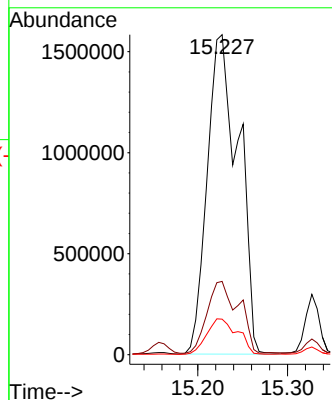
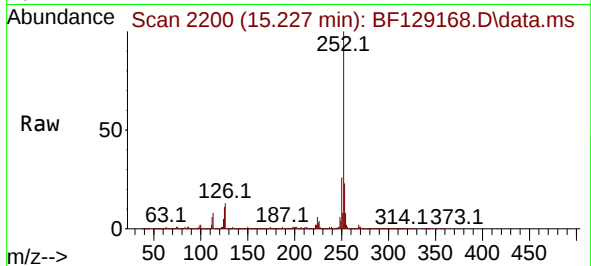




#89
Benzo(k)fluoranthene
Concen: 128.346 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

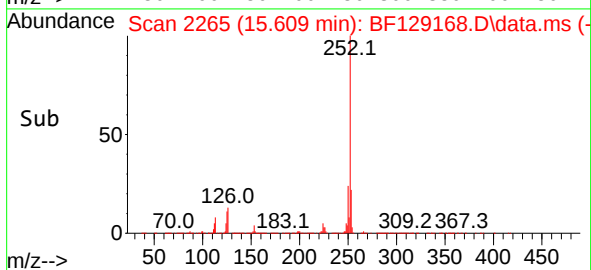
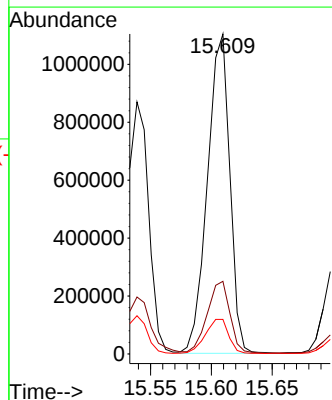
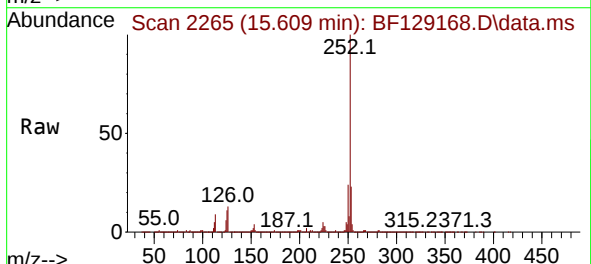
Instrument :
BNA_F
ClientSampleId :
CHRT-26572

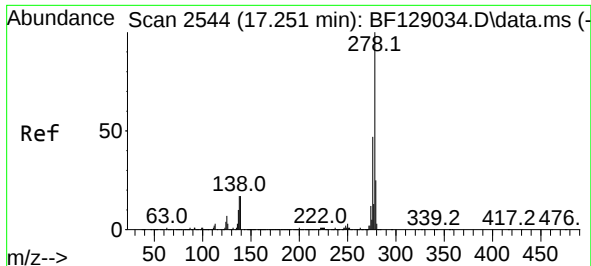
Tgt Ion:252 Resp: 3849473
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 11.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 56.088 ng
RT: 15.609 min Scan# 2265
Delta R.T. -0.000 min
Lab File: BF129168.D
Acq: 07 Jul 2022 20:03

Tgt Ion:252 Resp: 1413901
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.8 8.8 13.2

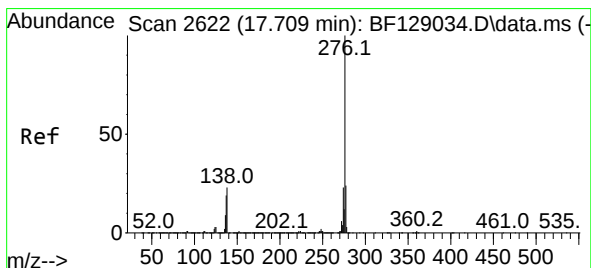
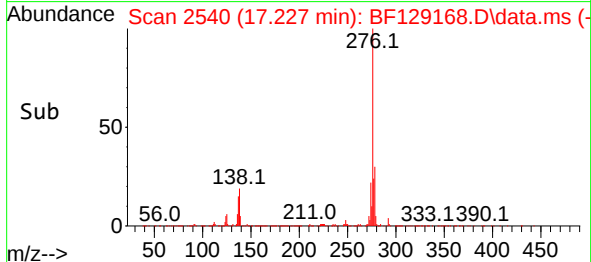
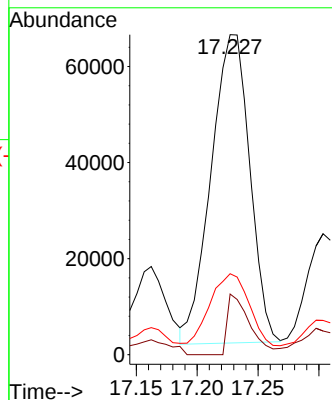
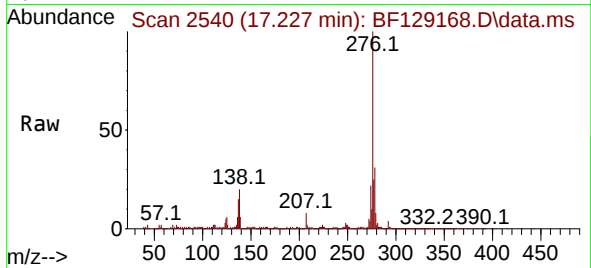




#91
 Dibenzo(a,h)anthracene
 Concen: 5.529 ng
 RT: 17.227 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF129168.D
 Acq: 07 Jul 2022 20:03

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26572

Tgt Ion:278 Resp: 142128
 Ion Ratio Lower Upper
 278 100
 139 18.9 12.8 19.2
 279 25.3 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 14.253 ng
 RT: 17.692 min Scan# 2619
 Delta R.T. -0.018 min
 Lab File: BF129168.D
 Acq: 07 Jul 2022 20:03

Tgt Ion:276 Resp: 367632
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.1 28.7
 138 22.3 18.0 27.0

