

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
 Data File : BF130891.D
 Acq On : 31 Oct 2022 21:31
 Operator : CG\JU
 Sample : N5362-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26516

Quant Time: Nov 01 02:33:22 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

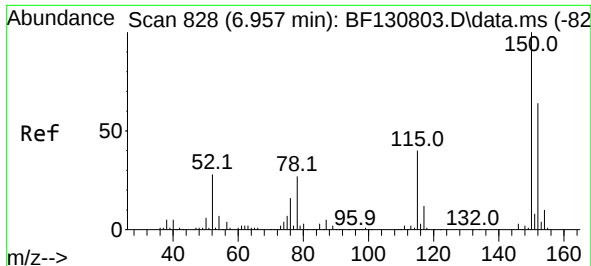
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	69817	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	233744	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	116907	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	212370	20.000	ng	0.00
76) Chrysene-d12	14.157	240	106935	20.000	ng	# 0.02
86) Perylene-d12	15.698	264	90797	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	172612	42.861	ng	0.00
7) Phenol-d6	6.557	99	205245	39.218	ng	0.00
23) Nitrobenzene-d5	7.498	82	120353	31.047	ng	-0.02
42) 2,4,6-Tribromophenol	10.780	330	47320	48.084	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	210153	27.178	ng	0.00
79) Terphenyl-d14	13.080	244	185104	31.720	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.498	82	119353	14.931	ng	# 66
27) 2,4-Dimethylphenol	7.769	122	7749	2.329	ng	# 12
32) Benzoic acid	7.981	122	657	7.913	ng	# 27
48) 2-Nitroaniline	9.492	65	403	4.318	ng	# 12
50) Dimethylphthalate	9.651	163	17806	2.217	ng	# 92
51) 2,6-Dinitrotoluene	9.986	165	16179	12.772	ng	# 15
57) 2,4-Dinitrotoluene	10.233	165	551	3.972	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.775	198	247	8.161	ng	# 1
71) Phenanthrene	11.504	178	91489	8.347	ng	99
72) Anthracene	11.504	178	91489	8.462	ng	99
75) Fluoranthene	12.704	202	121809	10.459	ng	97
78) Pyrene	12.939	202	138107	15.308	ng	97
81) Benzo(a)anthracene	14.145	228	48889	6.896	ng	# 83
83) Chrysene	14.186	228	47368	6.926	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.262	276	18094	3.001	ng	96
88) Benzo(b)fluoranthene	15.239	252	56005	9.542	ng	# 1
89) Benzo(k)fluoranthene	15.239	252	56005	9.792	ng	# 1
90) Benzo(a)pyrene	15.633	252	31978	6.777	ng	# 1
92) Benzo(g,h,i)perylene	17.739	276	19183	3.825	ng	# 53

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

CHRT-26516

Response via : Initial Calibration

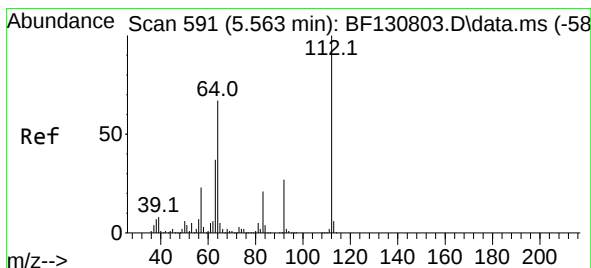
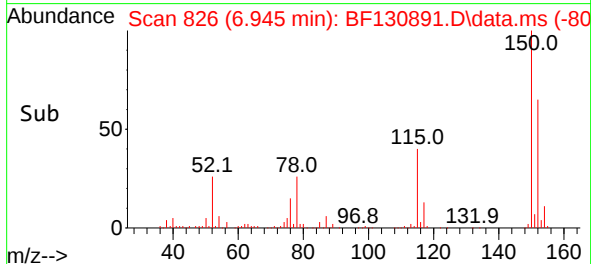
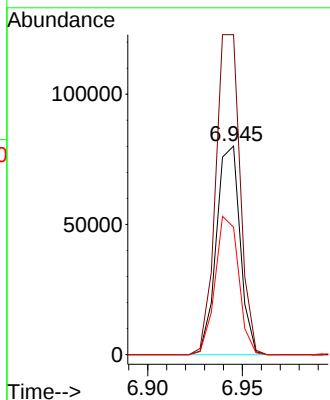
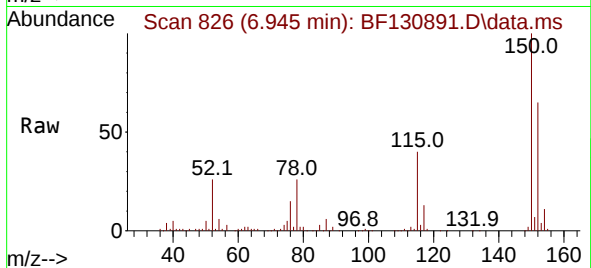




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.945 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

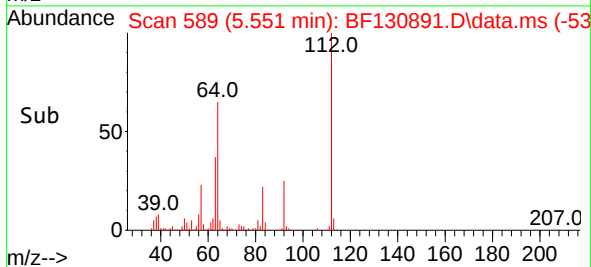
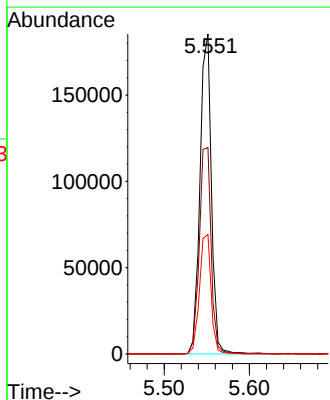
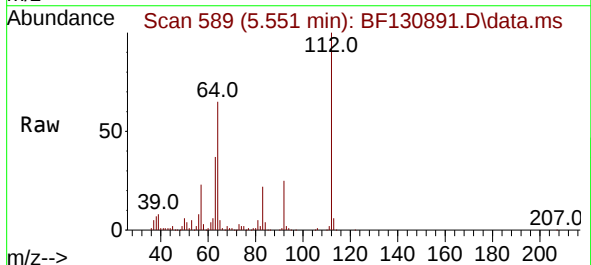
Instrument :
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 CHRT-26516

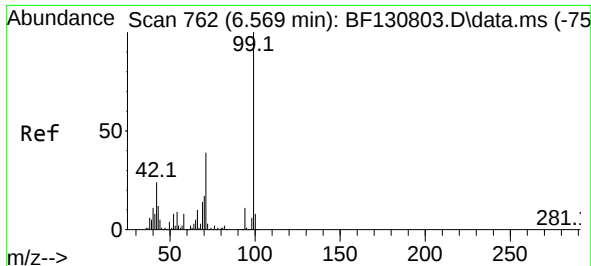
Tgt Ion:152 Resp: 69817
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.1 186.1
 115 61.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 42.861 ng
 RT: 5.551 min Scan# 589
 Delta R.T. -0.006 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

Tgt Ion:112 Resp: 172612
 Ion Ratio Lower Upper
 112 100
 64 64.5 53.9 80.9
 63 37.4 29.4 44.2

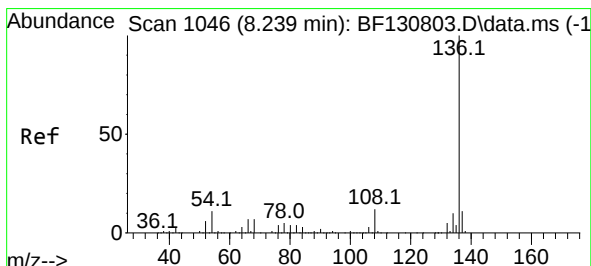
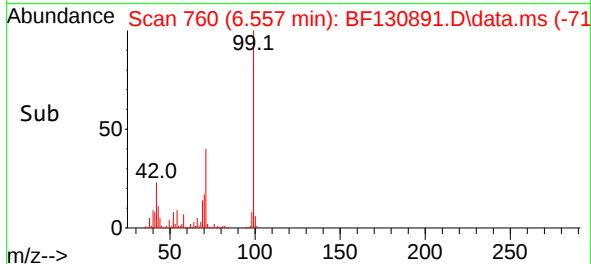
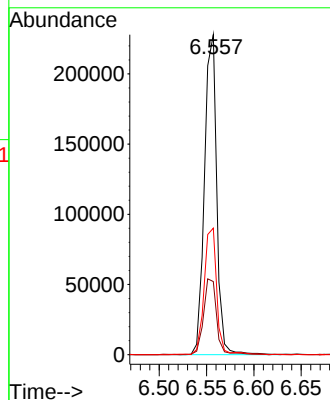
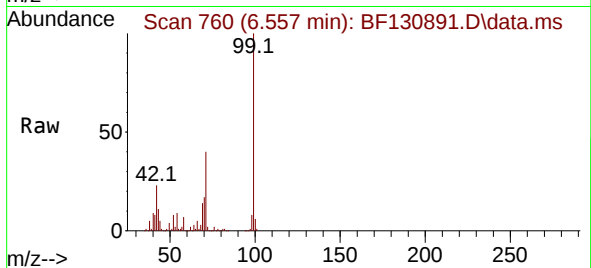




#7
Phenol-d6
Concen: 39.218 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

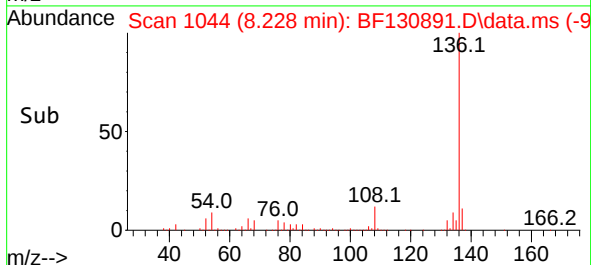
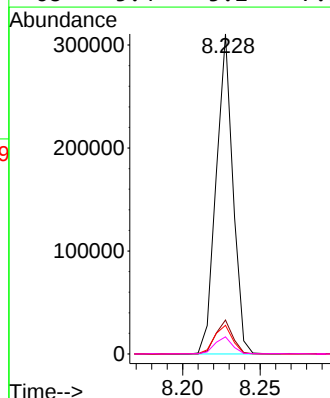
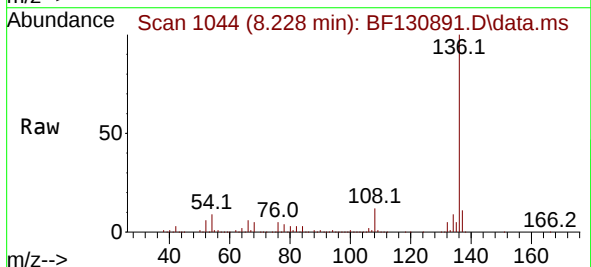
Instrument :
BNA_F
ClientSampleId :
CHRT-26516

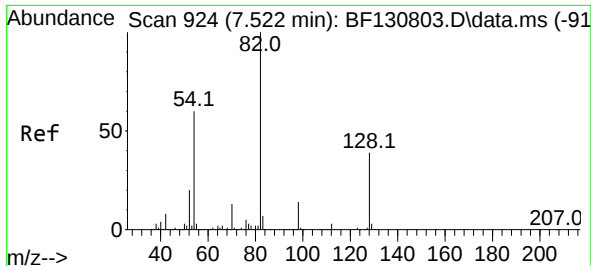
Tgt Ion: 99 Resp: 205245
Ion Ratio Lower Upper
99 100
42 22.9 18.8 28.2
71 39.5 31.4 47.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion: 136 Resp: 233744
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 9.0 8.8 13.2
68 5.4 5.2 7.8

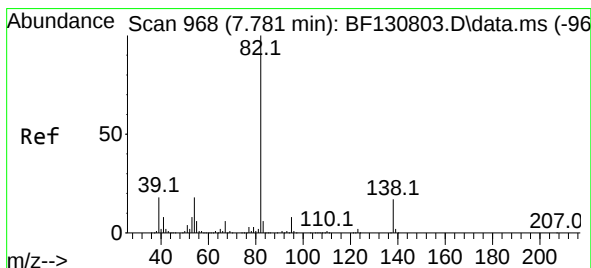
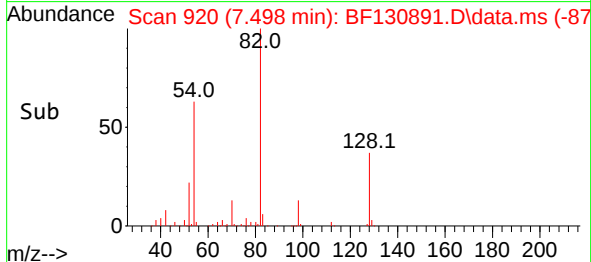
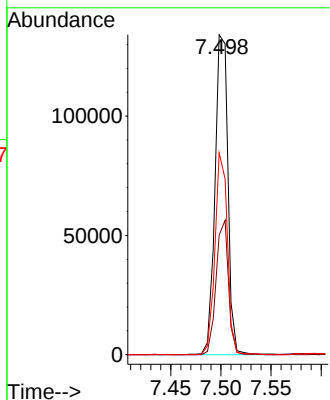
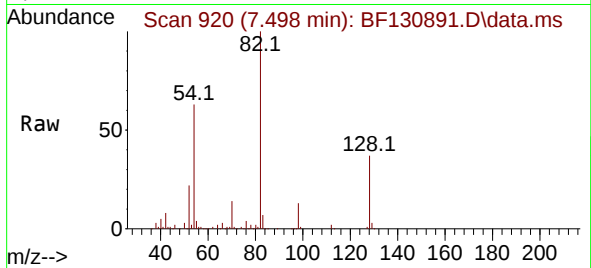




#23
Nitrobenzene-d5
Concen: 31.047 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

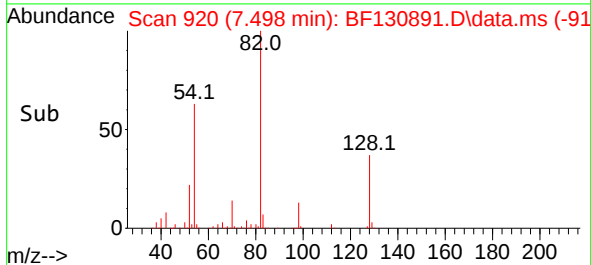
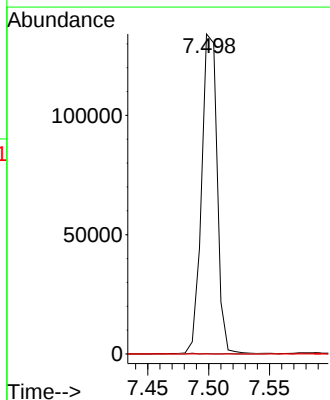
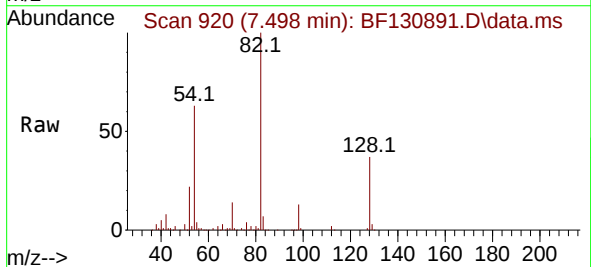
Instrument :
BNA_F
ClientSampleId :
CHRT-26516

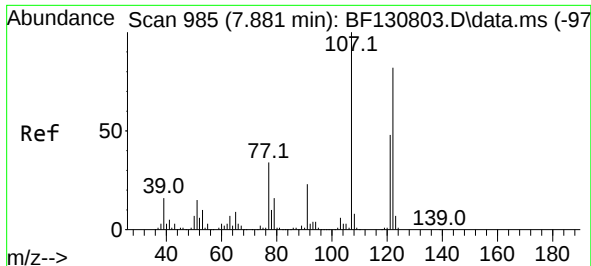
Tgt Ion: 82 Resp: 120353
Ion Ratio Lower Upper
82 100
128 37.4 31.2 46.8
54 63.1 48.0 72.0



#25
Isophorone
Concen: 14.931 ng
RT: 7.498 min Scan# 920
Delta R.T. -0.271 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion: 82 Resp: 119353
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.4#
138 0.0 13.8 20.6#





#27

2,4-Dimethylphenol

Concen: 2.329 ng

RT: 7.769 min Scan# 9

Delta R.T. -0.106 min

Lab File: BF130891.D

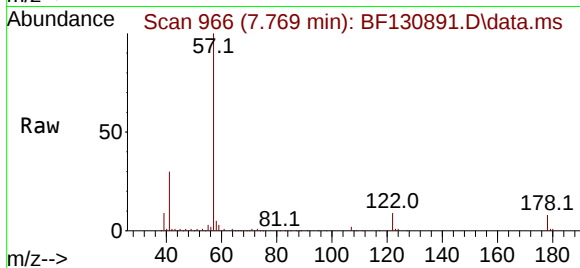
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Instrument :

BNA_F

ClientSampleId :

CHRT-26516



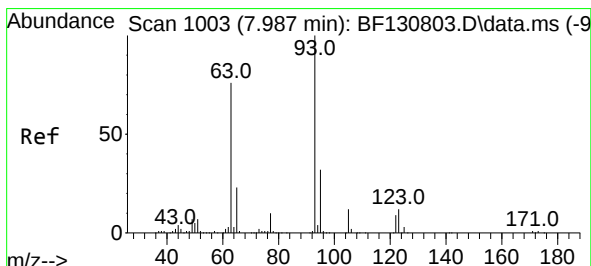
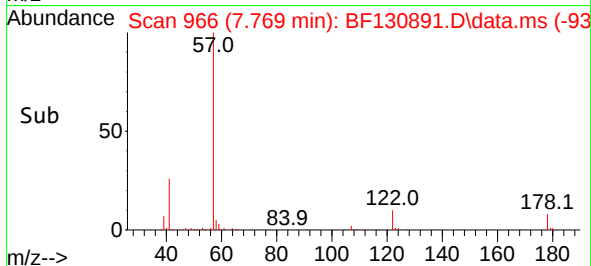
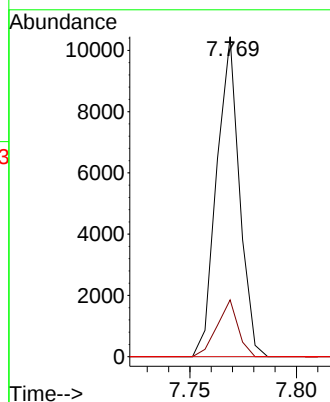
Tgt Ion:122 Resp: 7749

Ion Ratio Lower Upper

122 100

107 17.8 97.1 145.7#

121 0.0 46.9 70.3#



#32

Benzoic acid

Concen: 7.913 ng

RT: 7.981 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

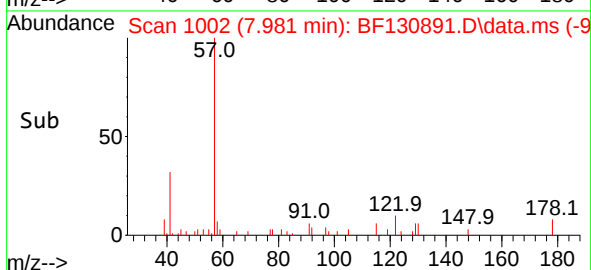
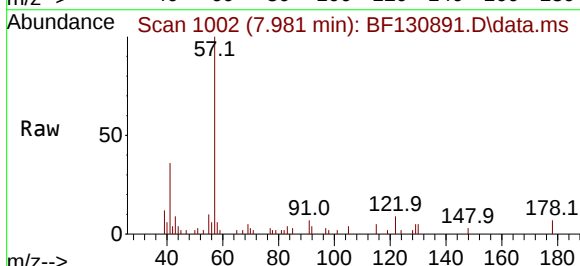
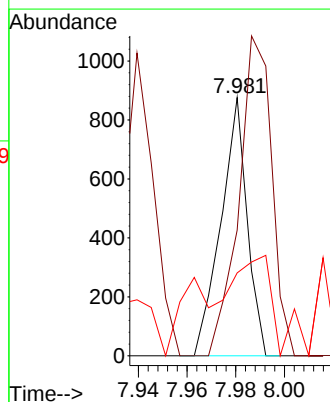
Tgt Ion:122 Resp: 657

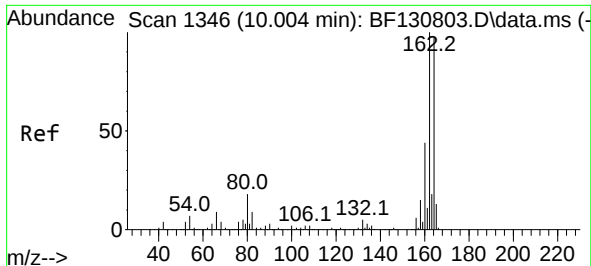
Ion Ratio Lower Upper

122 100

105 48.6 114.5 154.5#

77 32.1 89.8 129.8#

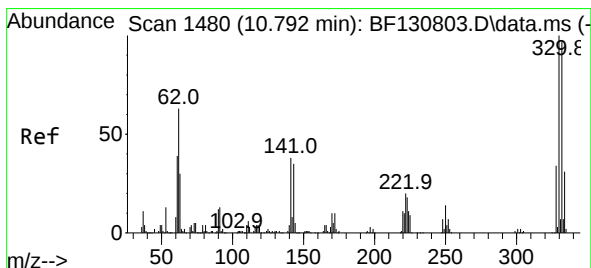
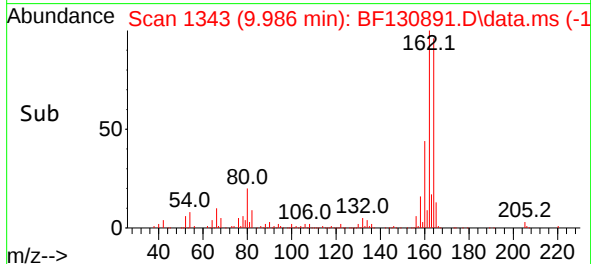
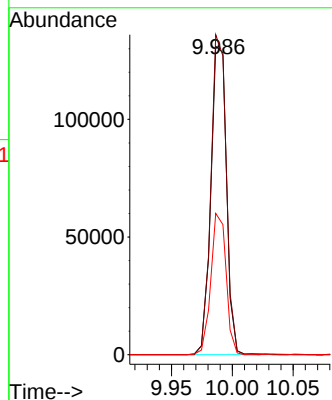
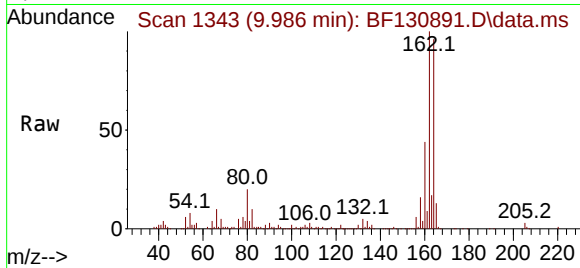




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

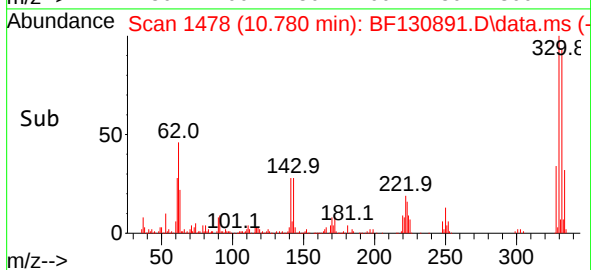
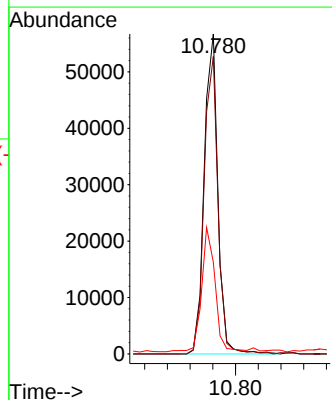
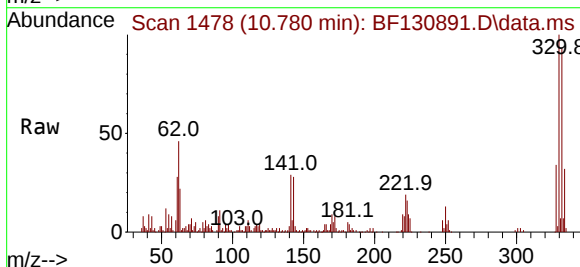
Instrument :
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ClientSampleId :
CHRT-26516

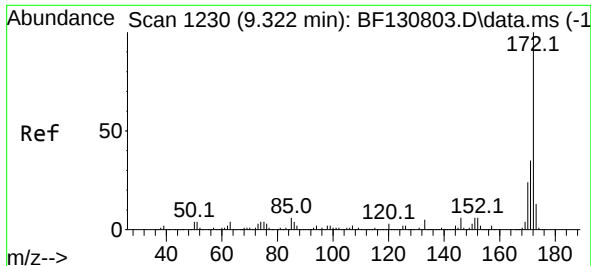
Tgt Ion:164 Resp: 116907
Ion Ratio Lower Upper
164 100
162 103.8 82.2 123.2
160 45.8 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 48.084 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:330 Resp: 47320
Ion Ratio Lower Upper
330 100
332 94.2 76.2 114.4
141 38.3 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 27.178 ng

RT: 9.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516

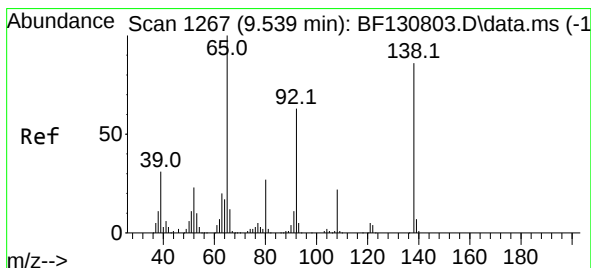
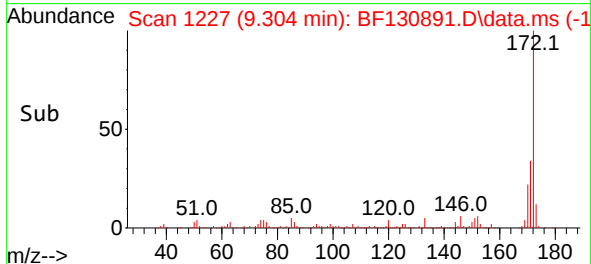
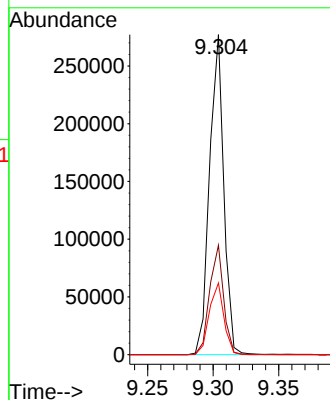
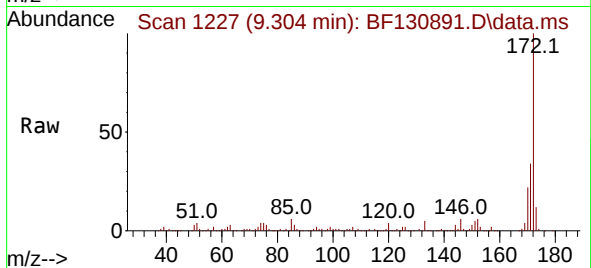
Tgt Ion:172 Resp: 210153

Ion Ratio Lower Upper

172 100

171 34.2 28.1 42.1

170 22.4 19.0 28.4



#48

2-Nitroaniline

Concen: 4.318 ng

RT: 9.492 min Scan# 1259

Delta R.T. -0.041 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

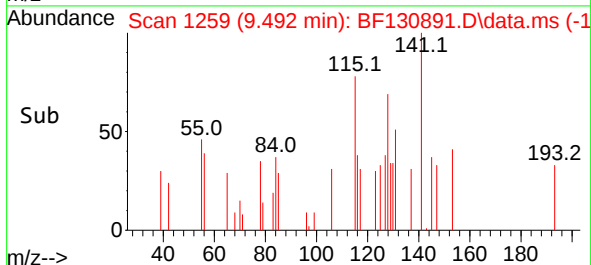
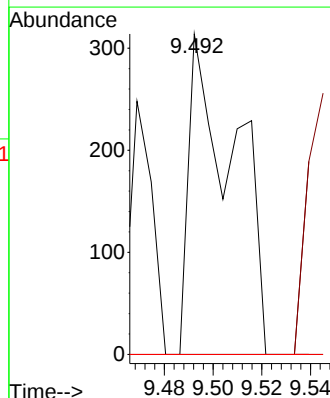
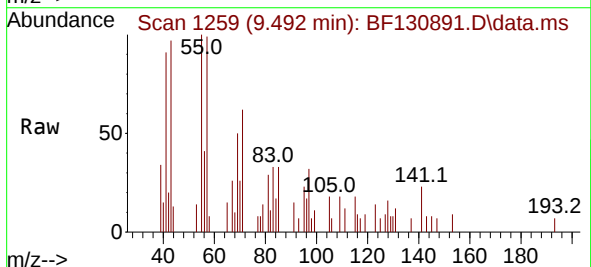
Tgt Ion: 65 Resp: 403

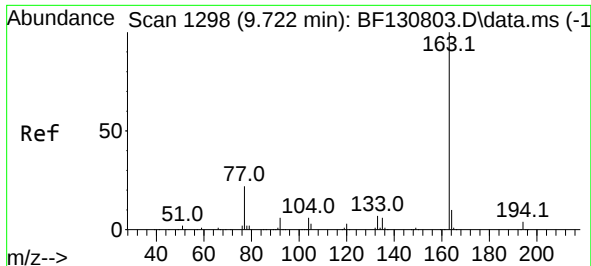
Ion Ratio Lower Upper

65 100

92 0.0 50.1 75.1#

138 0.0 69.2 103.8#

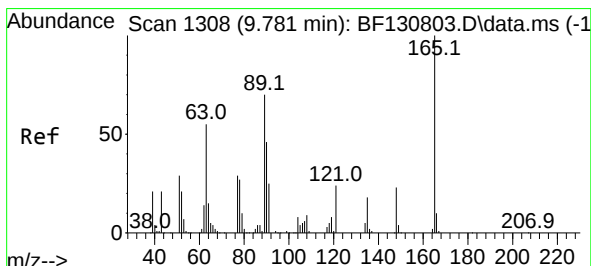
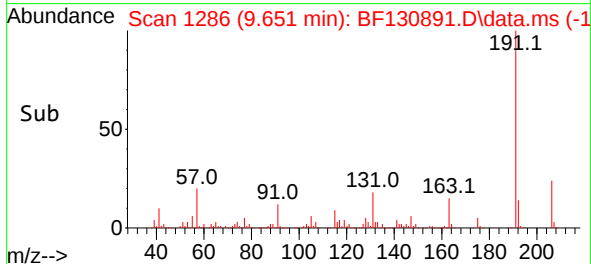
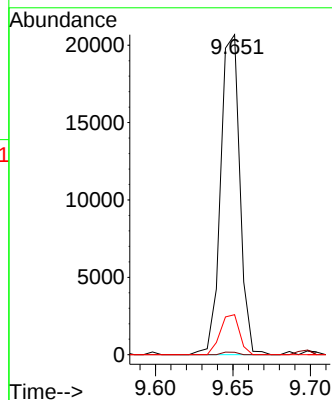
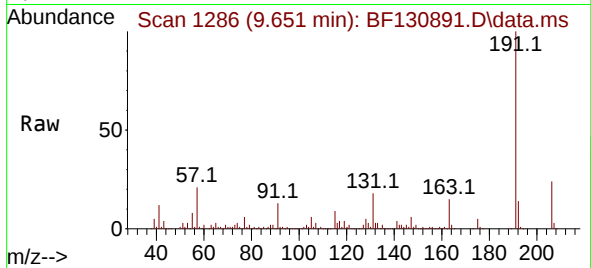




#50
Dimethylphthalate
Concen: 2.217 ng
RT: 9.651 min Scan# 1343
Delta R.T. -0.065 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

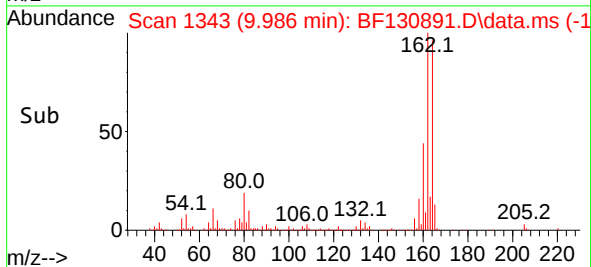
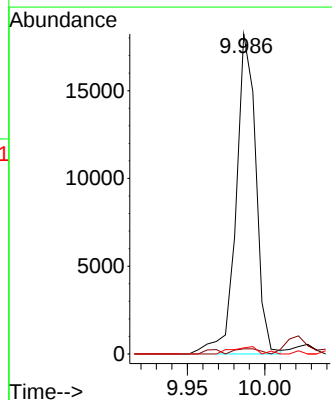
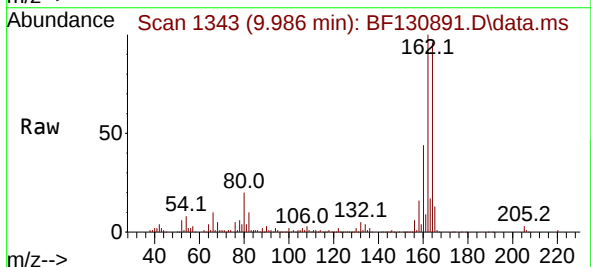
Instrument :
BNA_F
ClientSampleId :
CHRT-26516

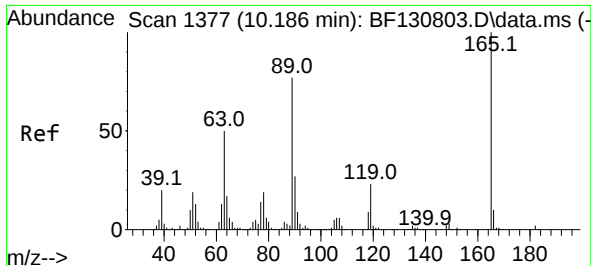
Tgt Ion:163 Resp: 17806
Ion Ratio Lower Upper
163 100
194 0.7 3.2 4.8#
164 12.5 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 12.772 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.212 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:165 Resp: 16179
Ion Ratio Lower Upper
165 100
63 1.6 61.8 92.8#
89 1.9 56.2 84.4#

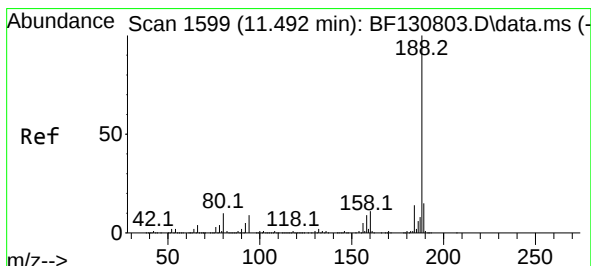
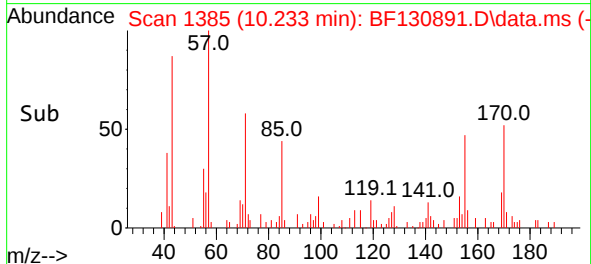
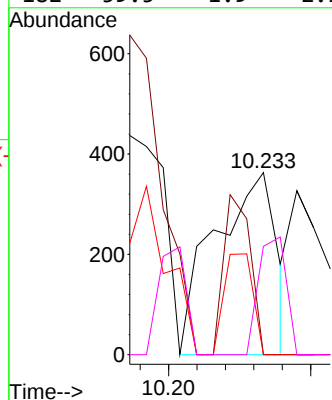
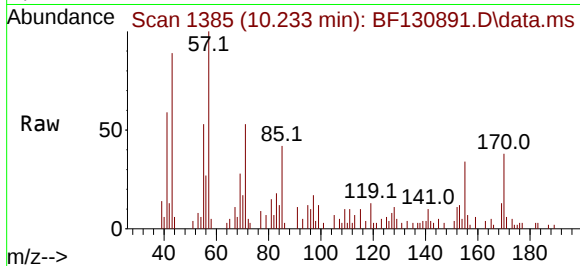




#57
2,4-Dinitrotoluene
Concen: 3.972 ng
RT: 10.233 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

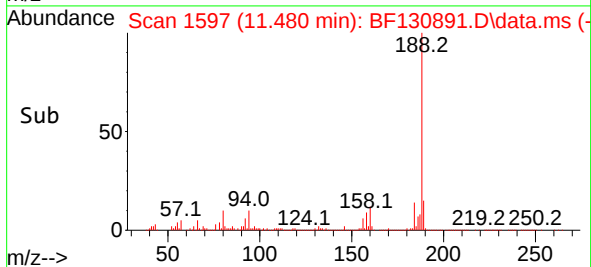
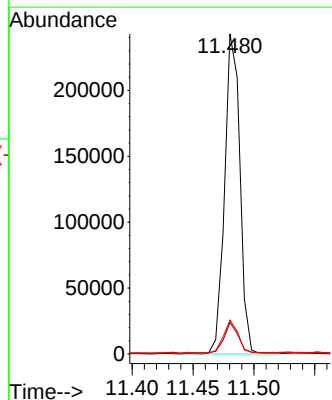
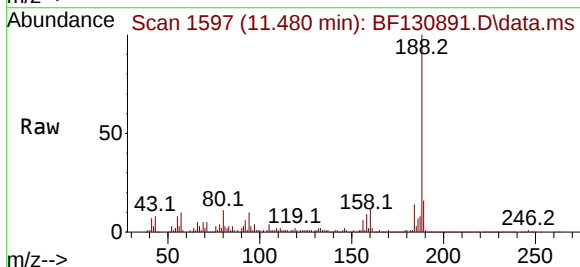
Instrument :
BNA_F
ClientSampleId :
CHRT-26516

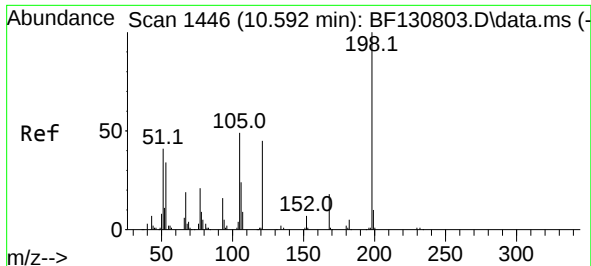
Tgt Ion:165 Resp: 551
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 61.9 92.9#
182 59.5 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

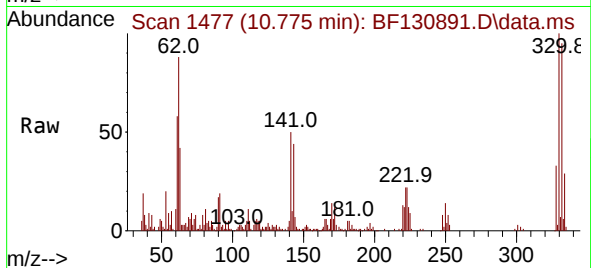
Tgt Ion:188 Resp: 212370
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.6 8.0 12.0



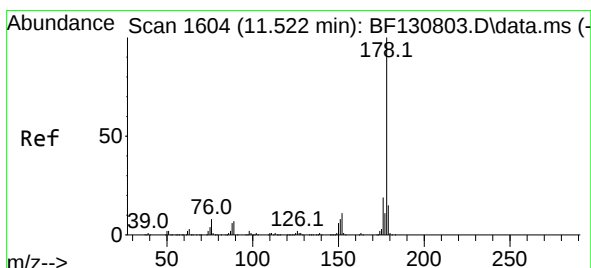
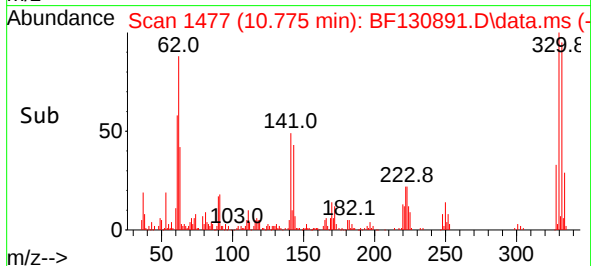
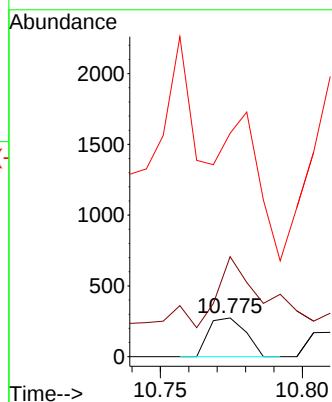


#65
4,6-Dinitro-2-methylphenol
Concen: 8.161 ng
RT: 10.775 min Scan# 1446
Delta R.T. 0.188 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Instrument :
BNA_F
ClientSampleId :
CHRT-26516

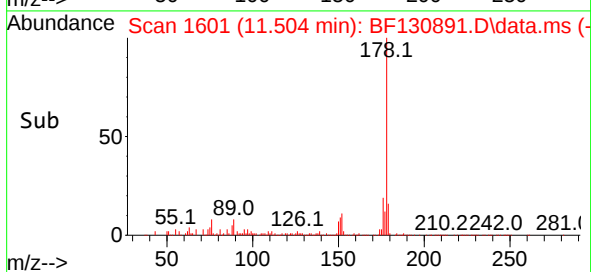
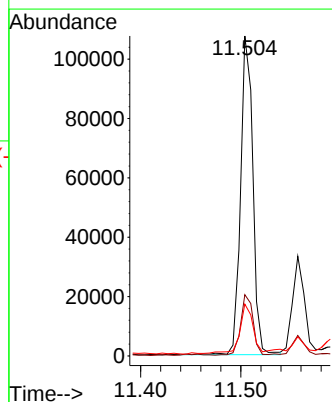
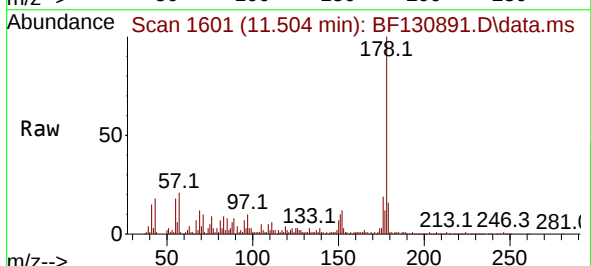


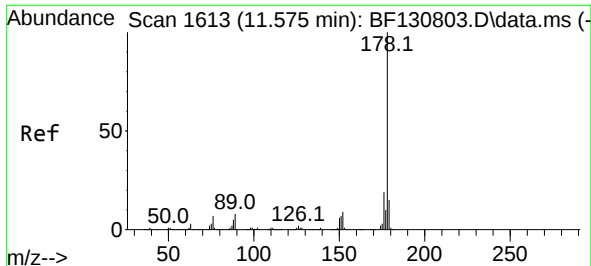
Tgt Ion:198 Resp: 247
Ion Ratio Lower Upper
198 100
51 257.7 39.0 79.0#
105 575.9 30.6 70.6#



#71
Phenanthrene
Concen: 8.347 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:178 Resp: 91489
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 16.2 12.2 18.2

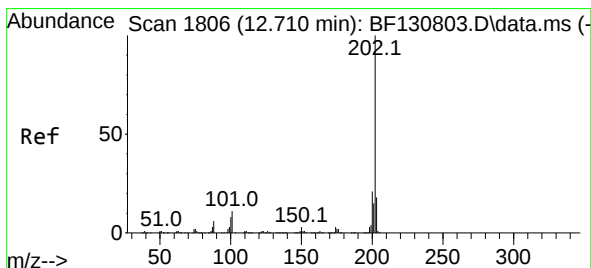
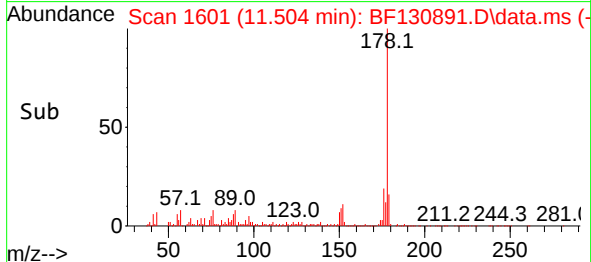
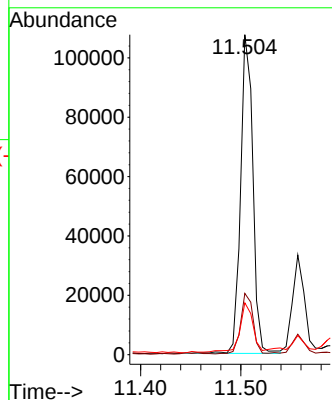
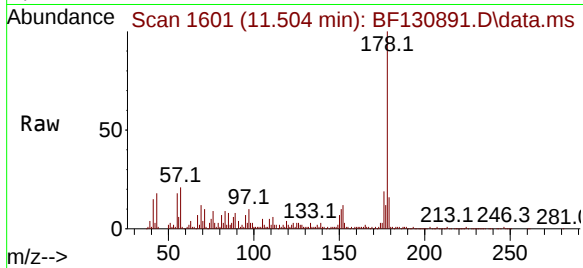




#72
 Anthracene
 Concen: 8.462 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.059 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

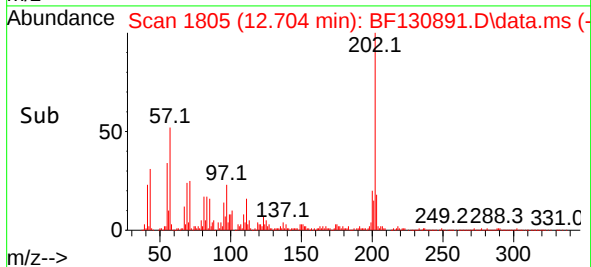
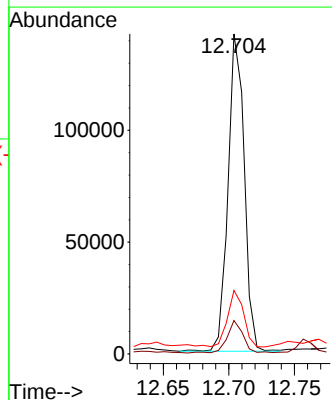
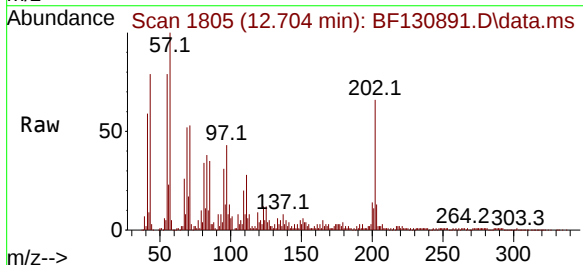
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26516

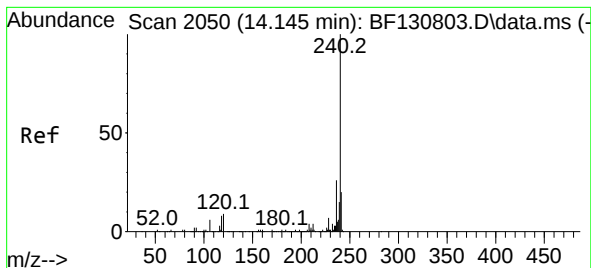
Tgt Ion:178 Resp: 91489
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 16.2 12.2 18.4



#75
 Fluoranthene
 Concen: 10.459 ng
 RT: 12.704 min Scan# 1805
 Delta R.T. -0.000 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

Tgt Ion:202 Resp: 121809
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.9
 203 19.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 2052

Delta R.T. 0.023 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516

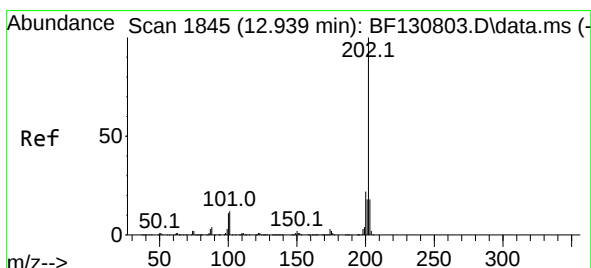
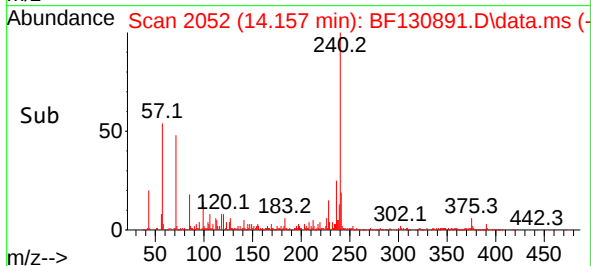
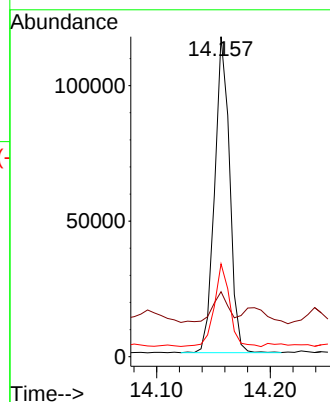
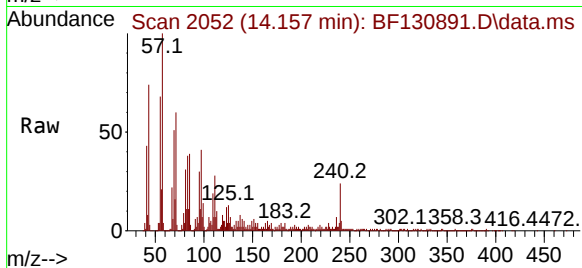
Tgt Ion:240 Resp: 106935

Ion Ratio Lower Upper

240 100

120 20.3 7.0 10.4#

236 29.0 20.5 30.7



#78

Pyrene

Concen: 15.308 ng

RT: 12.939 min Scan# 1845

Delta R.T. 0.006 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

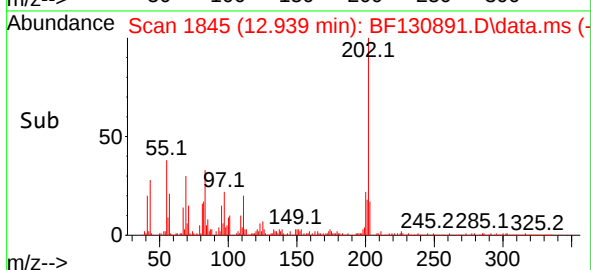
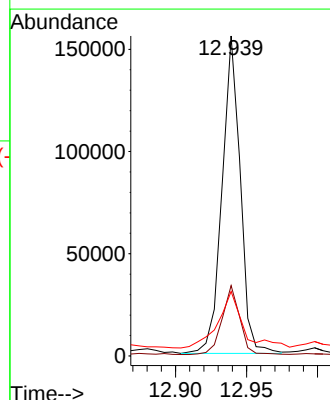
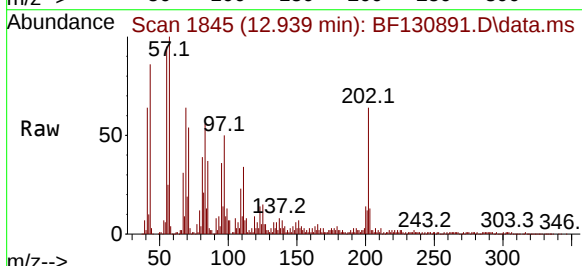
Tgt Ion:202 Resp: 138107

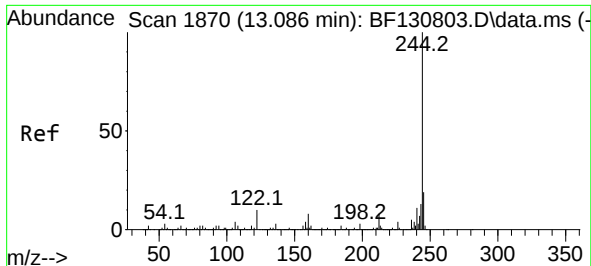
Ion Ratio Lower Upper

202 100

200 22.0 17.2 25.8

203 20.2 14.5 21.7

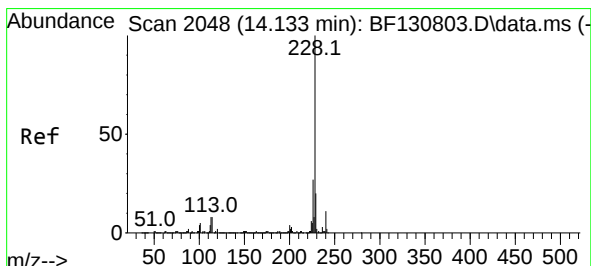
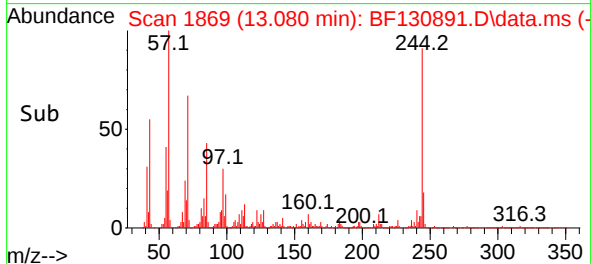
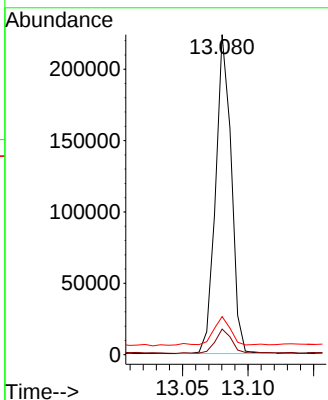
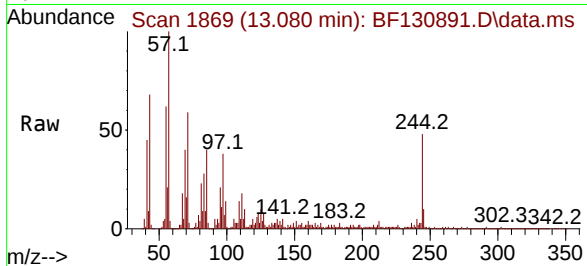




#79
 Terphenyl-d14
 Concen: 31.720 ng
 RT: 13.080 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

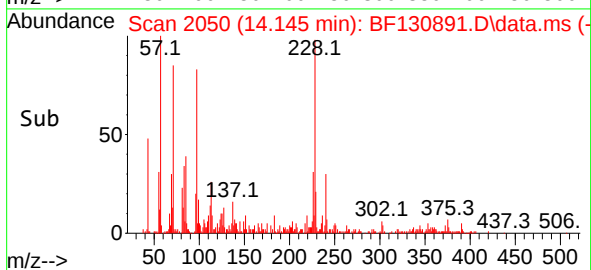
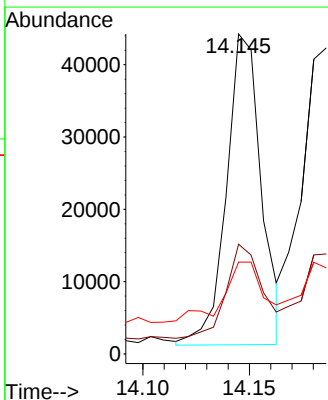
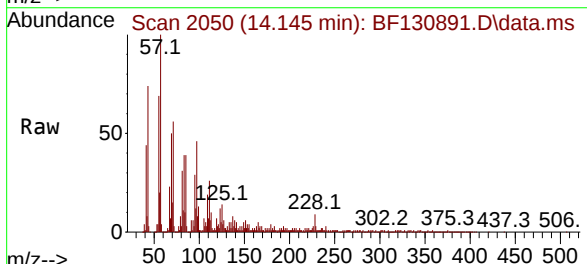
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26516

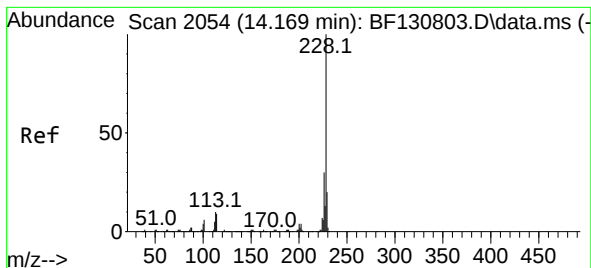
Tgt Ion:244 Resp: 185104
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 11.9 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 6.896 ng
 RT: 14.145 min Scan# 2050
 Delta R.T. 0.023 min
 Lab File: BF130891.D
 Acq: 31 Oct 2022 21:31

Tgt Ion:228 Resp: 48889
 Ion Ratio Lower Upper
 228 100
 226 34.3 21.4 32.2#
 229 28.7 15.8 23.6#





#83

Chrysene

Concen: 6.926 ng

RT: 14.186 min Scan# 2054

Delta R.T. 0.029 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516

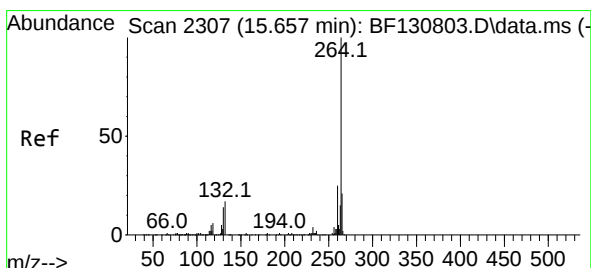
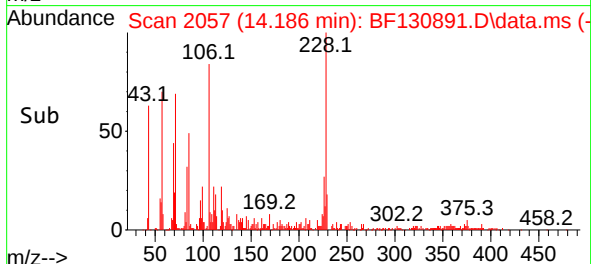
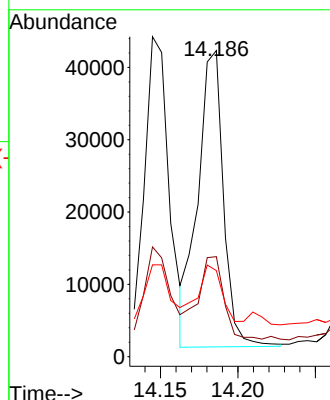
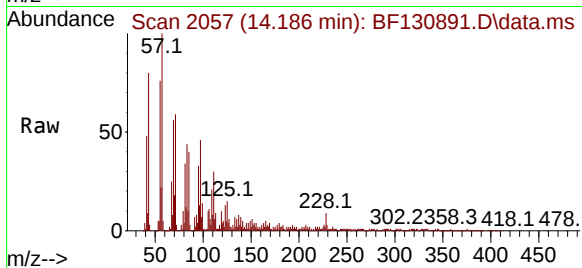
Tgt Ion:228 Resp: 47368

Ion Ratio Lower Upper

228 100

226 32.7 23.9 35.9

229 28.1 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.698 min Scan# 2314

Delta R.T. 0.053 min

Lab File: BF130891.D

Acq: 31 Oct 2022 21:31

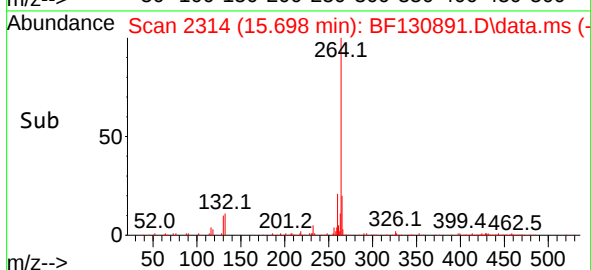
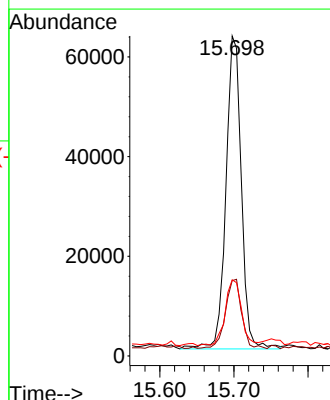
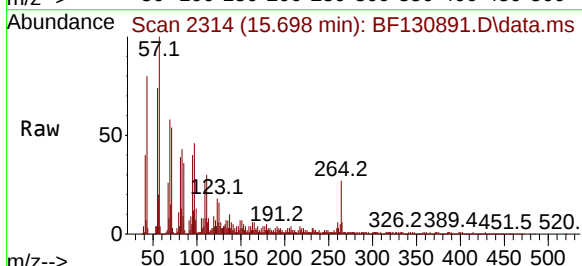
Tgt Ion:264 Resp: 90797

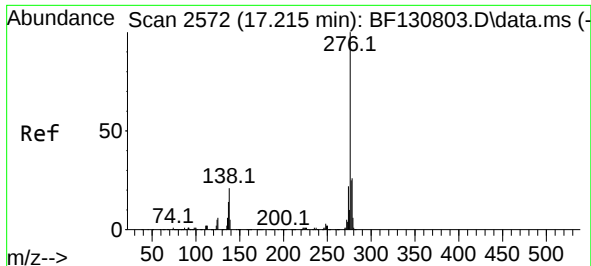
Ion Ratio Lower Upper

264 100

260 23.5 19.9 29.9

265 23.8 17.0 25.6

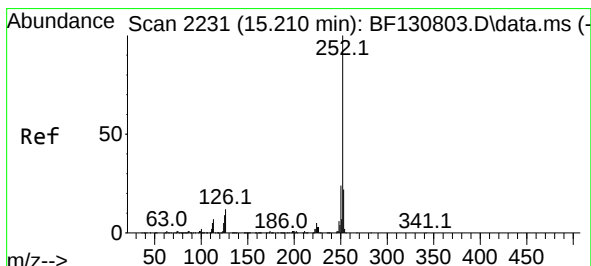
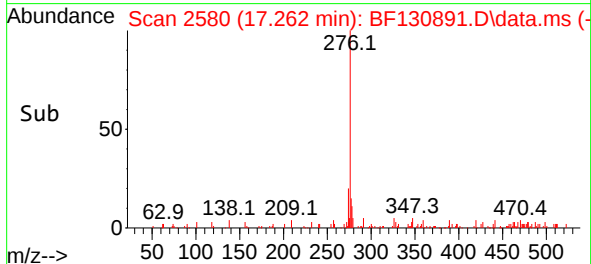
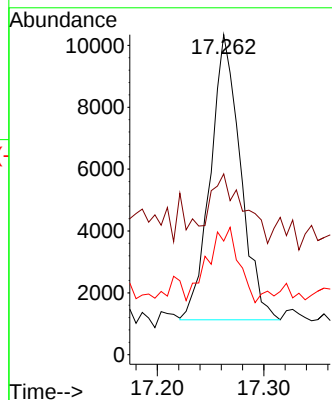
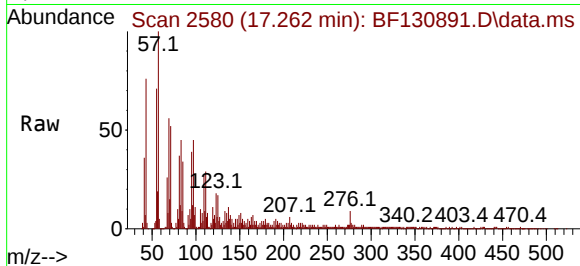




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.001 ng
RT: 17.262 min Scan# 21
Delta R.T. 0.070 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

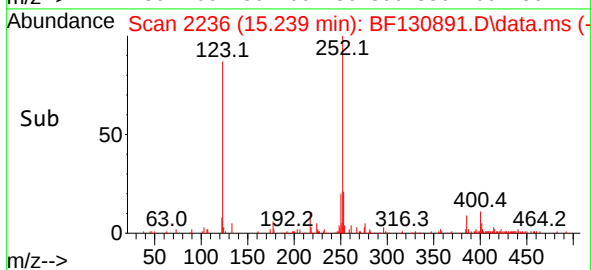
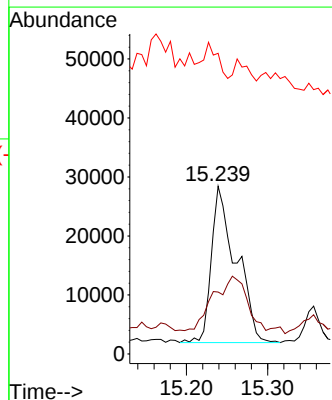
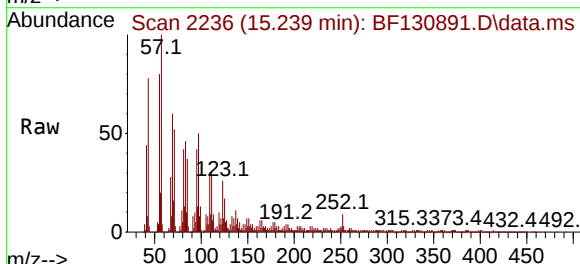
Instrument :
BNA_F
ClientSampleId :
CHRT-26516

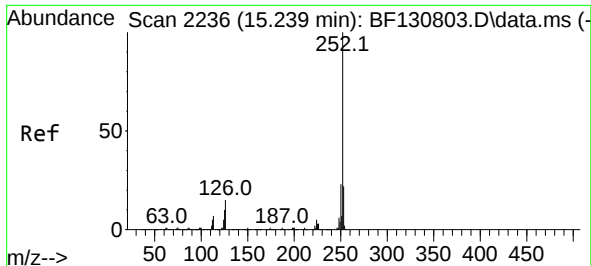
Tgt Ion:276 Resp: 18094
Ion Ratio Lower Upper
276 100
138 26.1 19.1 28.7
277 26.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 9.542 ng
RT: 15.239 min Scan# 2236
Delta R.T. 0.041 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:252 Resp: 56005
Ion Ratio Lower Upper
252 100
253 36.9 17.5 26.3#
125 179.3 7.0 10.4#

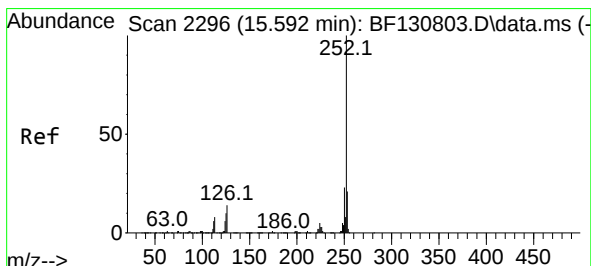
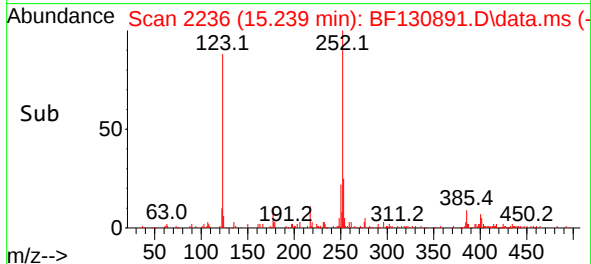
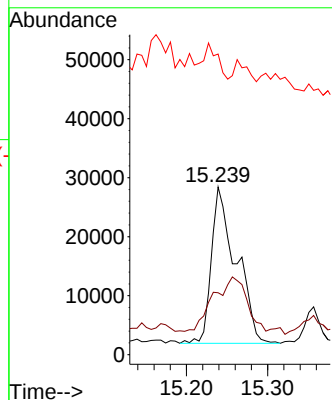
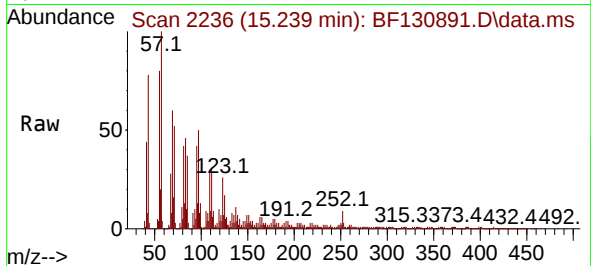




#89
Benzo(k)fluoranthene
Concen: 9.792 ng
RT: 15.239 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

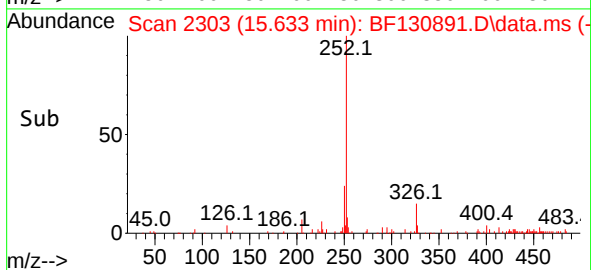
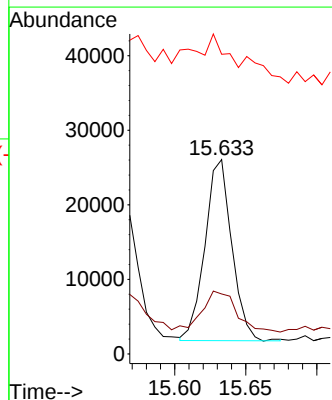
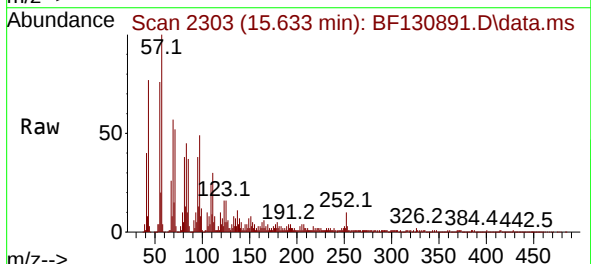
Instrument :
BNA_F
ClientSampleId :
CHRT-26516

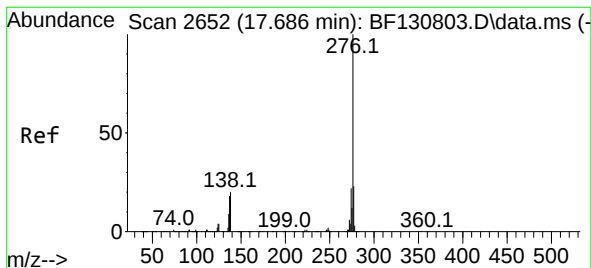
Tgt Ion:252 Resp: 56005
Ion Ratio Lower Upper
252 100
253 36.9 17.5 26.3#
125 179.3 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 6.777 ng
RT: 15.633 min Scan# 2303
Delta R.T. 0.053 min
Lab File: BF130891.D
Acq: 31 Oct 2022 21:31

Tgt Ion:252 Resp: 31978
Ion Ratio Lower Upper
252 100
253 30.9 16.8 25.2#
125 154.2 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 3.825 ng

RT: 17.739 min Scan# 20

Delta R.T. 0.070 min

Lab File: BF130891.D

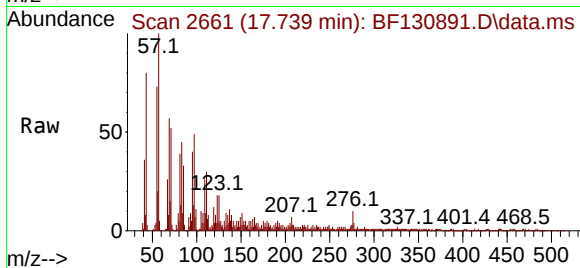
Acq: 31 Oct 2022 21:31

Instrument :

BNA_F

ClientSampleId :

CHRT-26516



Tgt Ion:276 Resp: 19183

Ion Ratio Lower Upper

276 100

277 35.4 18.8 28.2#

138 53.9 16.3 24.5#

