

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130281.D
 Acq On : 15 Sep 2022 20:29
 Operator : CG\JU
 Sample : N4562-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-2046DL

Quant Time: Sep 16 03:34:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

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

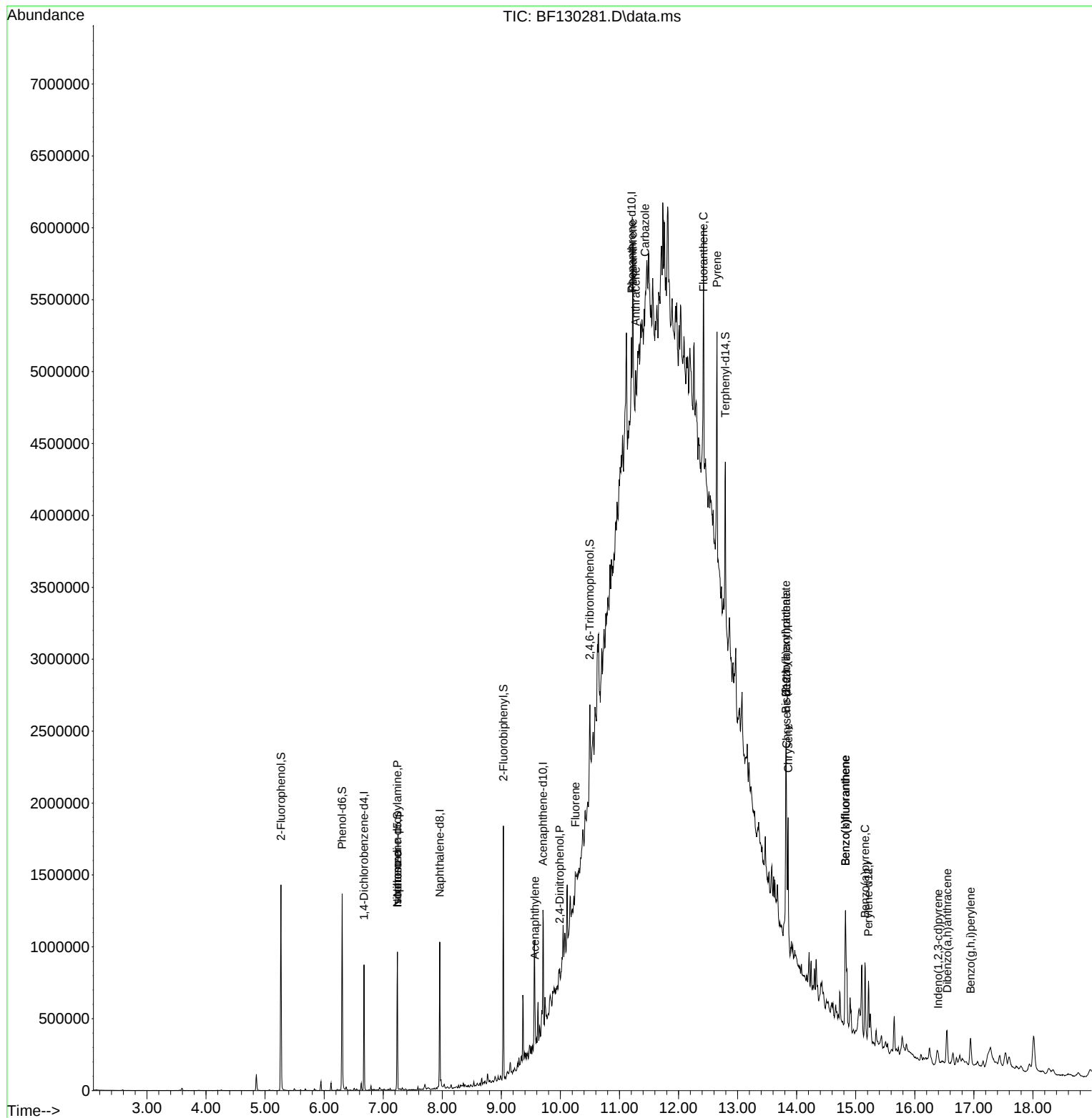
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	102459	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	374407	20.000	ng	0.00
39) Acenaphthene-d10	9.704	164	157833	20.000	ng	0.00
64) Phenanthrene-d10	11.204	188	210686	20.000	ng	# 0.01
76) Chrysene-d12	13.828	240	189253	20.000	ng	0.00
86) Perylene-d12	15.216	264	169350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	352691	59.705	ng	0.00
7) Phenol-d6	6.305	99	423505	57.298	ng	-0.01
23) Nitrobenzene-d5	7.240	82	263632	35.973	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	80474	53.212	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	426816	39.379	ng	0.00
79) Terphenyl-d14	12.792	244	350178	30.650	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.240	70	36518	7.322	ng	# 74
25) Isophorone	7.240	82	263627	22.319	ng	# 66
49) Acenaphthylene	9.569	152	62220	4.352	ng	# 92
54) 2,4-Dinitrophenol	9.987	184	471	6.605	ng	# 1
58) Fluorene	10.251	166	24629	2.305	ng	# 90
71) Phenanthrene	11.228	178	370791	31.346	ng	# 92
72) Anthracene	11.275	178	65230	5.714	ng	# 62
73) Carbazole	11.434	167	37904	3.679	ng	# 45
75) Fluoranthene	12.422	202	656462	57.433	ng	96
78) Pyrene	12.651	202	694907	41.973	ng	98
81) Benzo(a)anthracene	13.822	228	307094	24.392	ng	94
83) Chrysene	13.857	228	360566	30.162	ng	97
84) Bis(2-ethylhexyl)phtha...	13.816	149	128118	18.237	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.398	276	30237	2.518	ng	97
88) Benzo(b)fluoranthene	14.828	252	548800	49.650	ng	100
89) Benzo(k)fluoranthene	14.828	252	548800	50.473	ng	99
90) Benzo(a)pyrene	15.157	252	239022	27.295	ng	97
91) Dibenzo(a,h)anthracene	16.551	278	38379	3.896	ng	# 93
92) Benzo(g,h,i)perylene	16.945	276	144703	14.581	ng	98

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

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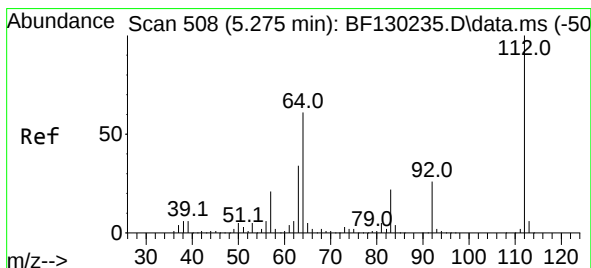
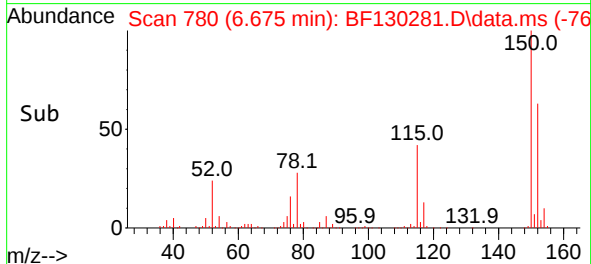
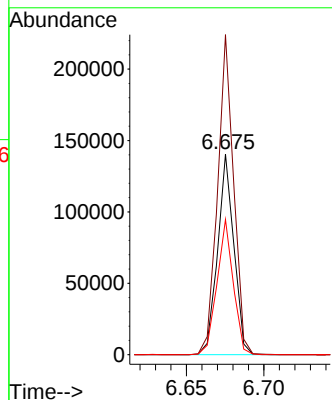
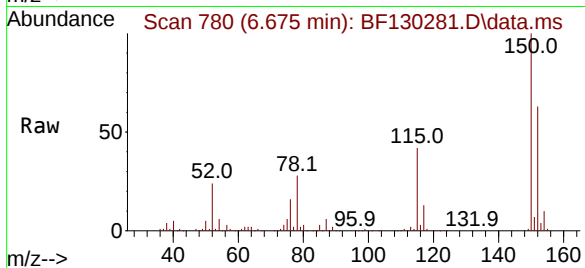




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.675 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

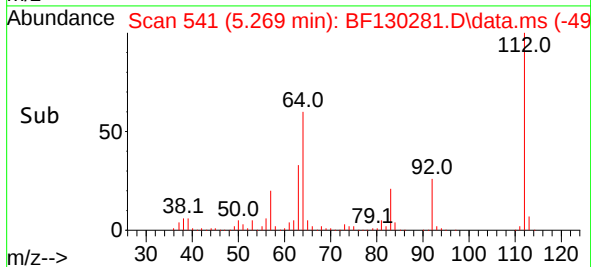
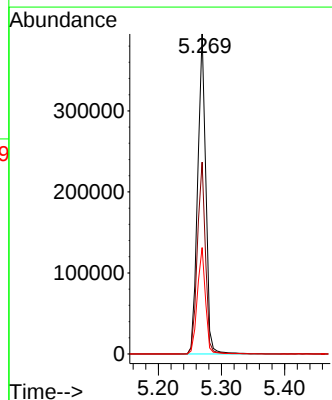
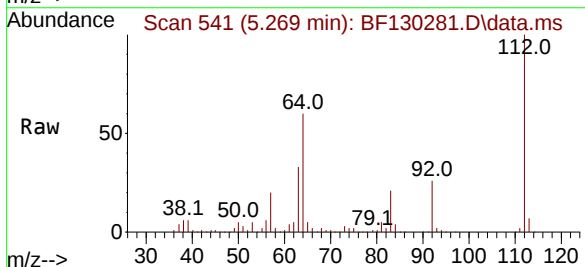
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

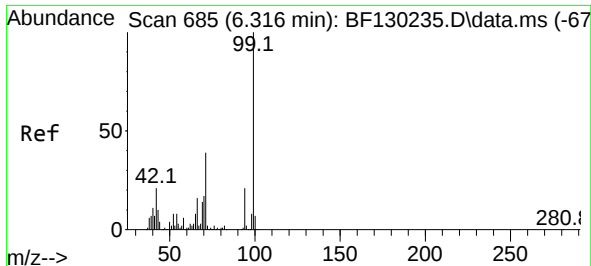
Tgt Ion:152 Resp: 102459
Ion Ratio Lower Upper
152 100
150 159.5 122.8 184.2
115 67.4 53.8 80.8



#5
2-Fluorophenol
Concen: 59.705 ng
RT: 5.269 min Scan# 541
Delta R.T. -0.005 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:112 Resp: 352691
Ion Ratio Lower Upper
112 100
64 60.0 51.4 77.0
63 33.2 28.8 43.2

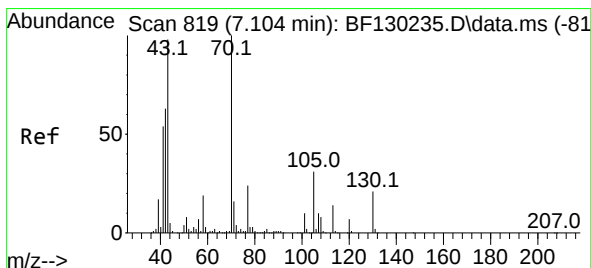
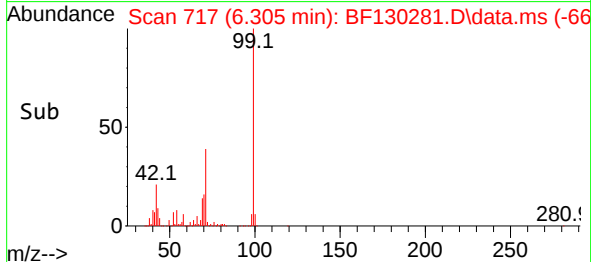
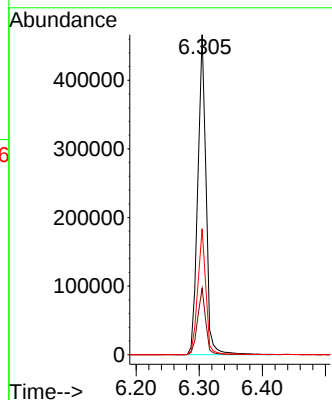
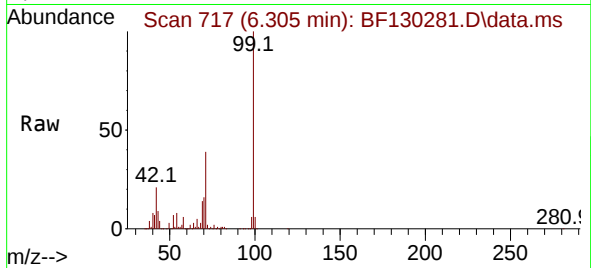




#7
Phenol-d6
Concen: 57.298 ng
RT: 6.305 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

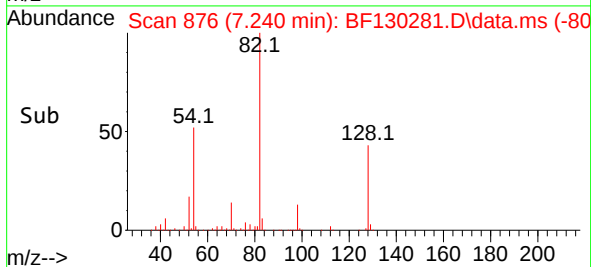
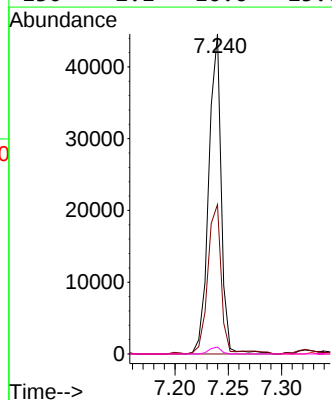
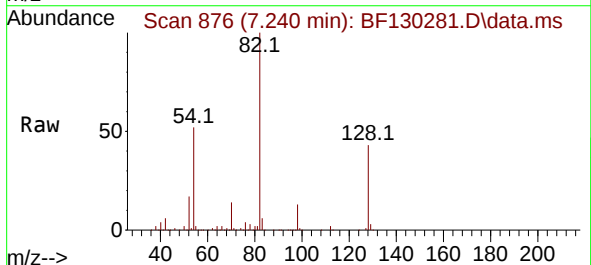
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

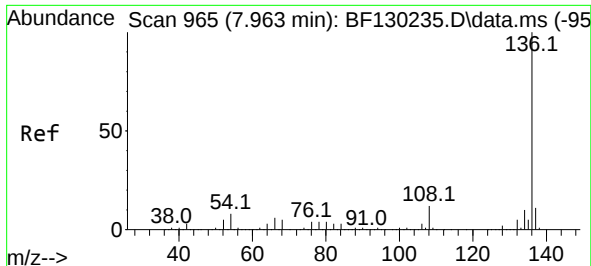
Tgt Ion: 99 Resp: 423505
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 39.3 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 7.322 ng
RT: 7.240 min Scan# 876
Delta R.T. 0.136 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion: 70 Resp: 36518
Ion Ratio Lower Upper
70 100
42 46.7 50.8 76.2#
101 0.0 8.2 12.4#
130 2.1 16.6 25.0#

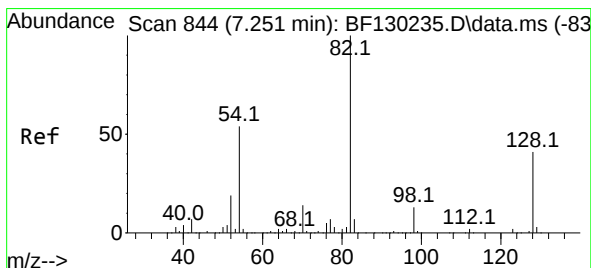
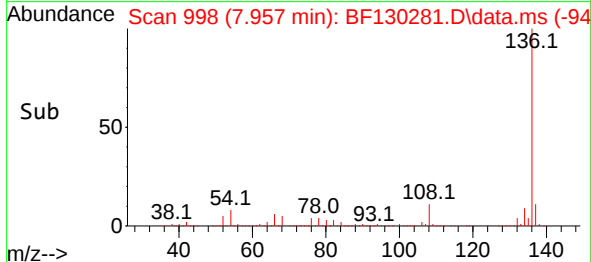
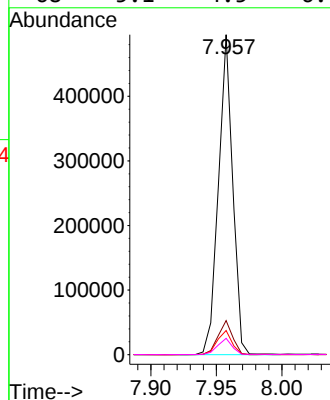
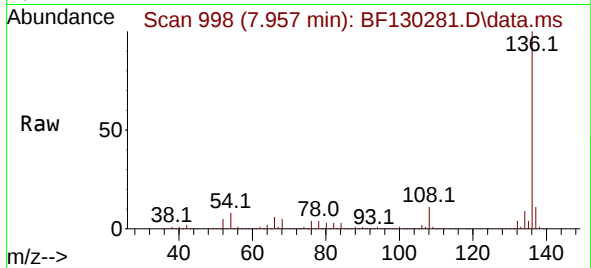




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.957 min Scan# 91
Delta R.T. -0.005 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

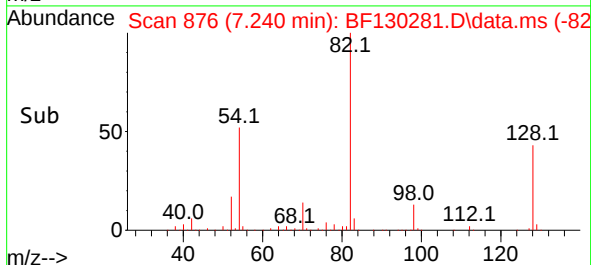
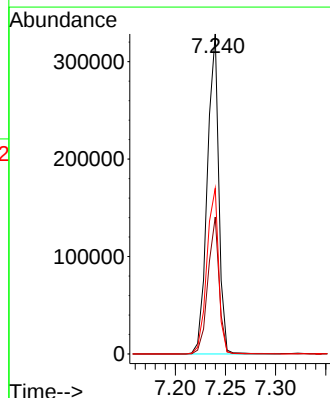
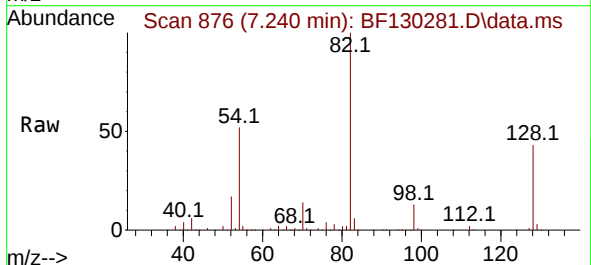
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

Tgt Ion:136	Resp: 374407
Ion Ratio	Lower Upper
136 100	
137 10.7	9.1 13.7
54 7.6	7.1 10.7
68 5.1	4.5 6.7



#23
Nitrobenzene-d5
Concen: 35.973 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.011 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion: 82	Resp: 263632
Ion Ratio	Lower Upper
82 100	
128 42.8	32.6 49.0
54 51.8	43.8 65.6

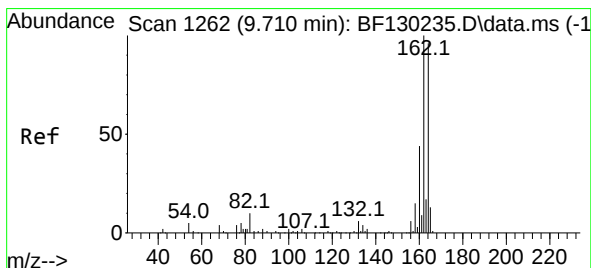
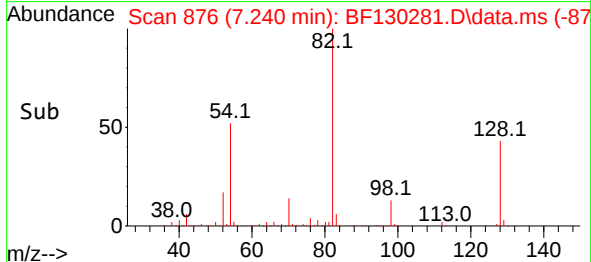
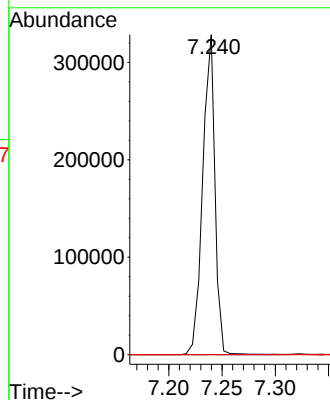
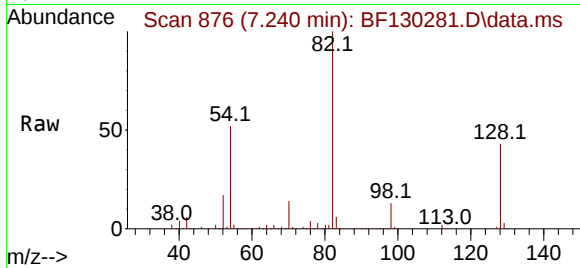




#25
Isophorone
Concen: 22.319 ng
RT: 7.240 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

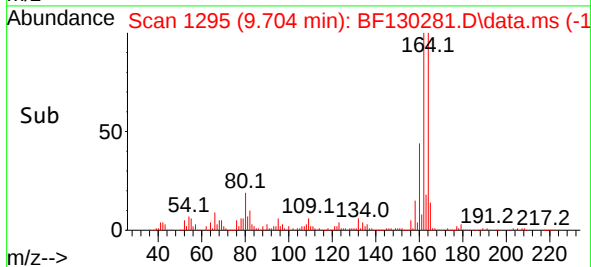
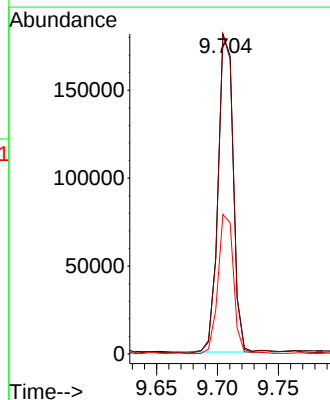
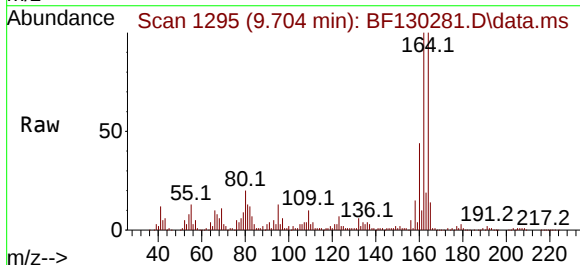
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

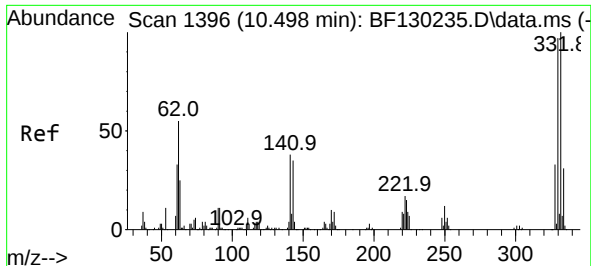
Tgt Ion: 82 Resp: 263627
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:164 Resp: 157833
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 43.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 53.212 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.000 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

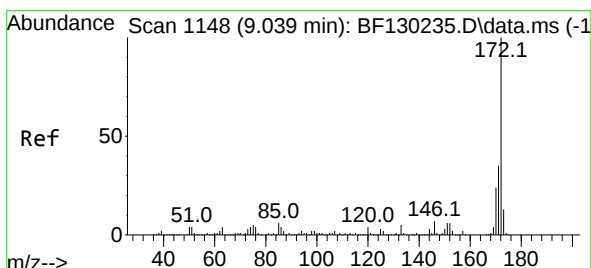
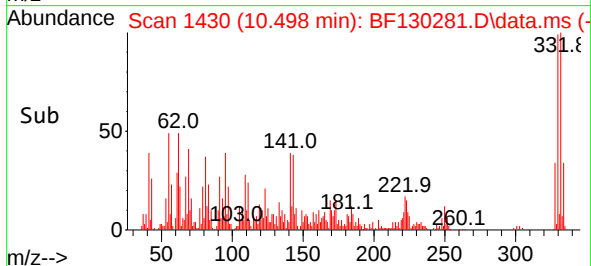
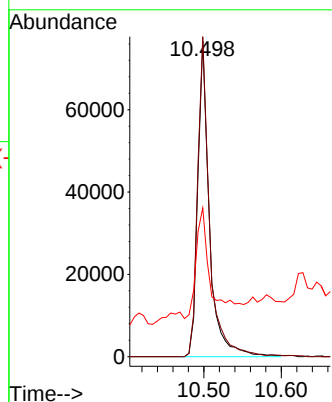
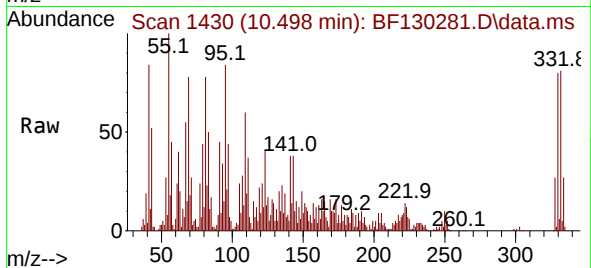
Tgt Ion:330 Resp: 80474

Ion Ratio Lower Upper

330 100

332 103.0 83.4 125.2

141 45.2 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 39.379 ng

RT: 9.034 min Scan# 1181

Delta R.T. -0.005 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

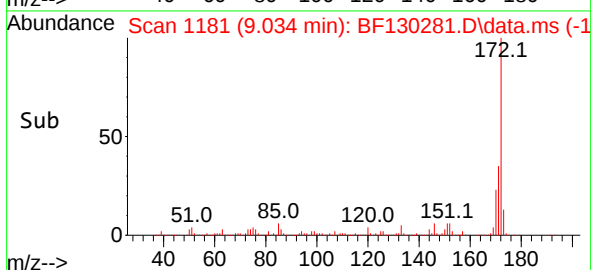
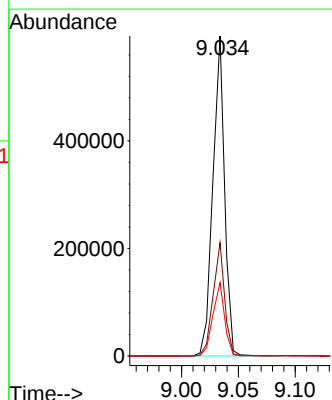
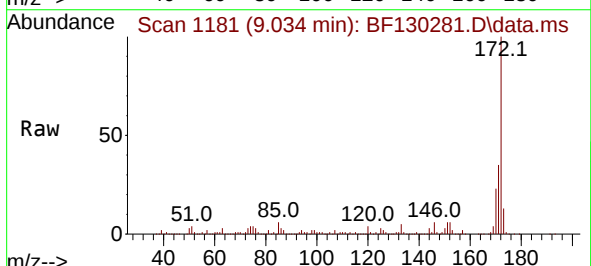
Tgt Ion:172 Resp: 426816

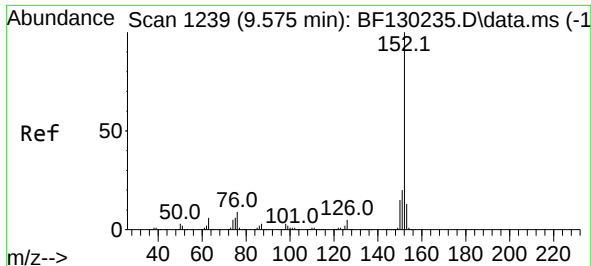
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.0 18.7 28.1





#49

Acenaphthylene

Concen: 4.352 ng

RT: 9.569 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

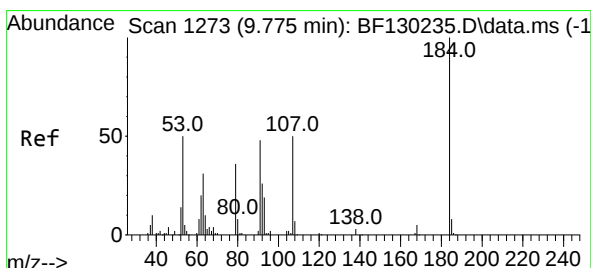
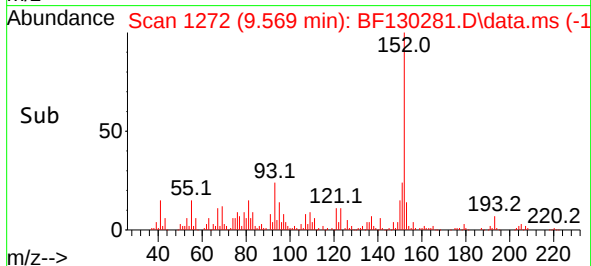
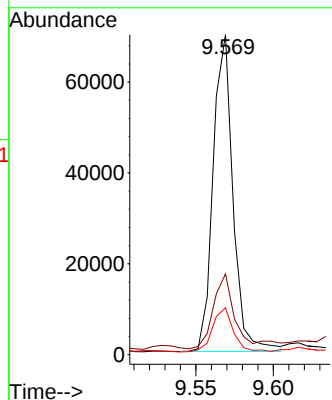
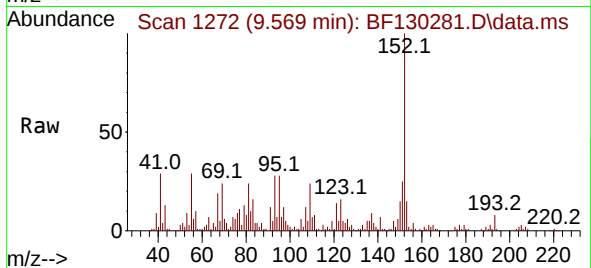
Tgt Ion:152 Resp: 62220

Ion Ratio Lower Upper

152 100

151 25.2 16.2 24.2#

153 14.7 10.6 15.8



#54

2,4-Dinitrophenol

Concen: 6.605 ng

RT: 9.987 min Scan# 1343

Delta R.T. 0.212 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

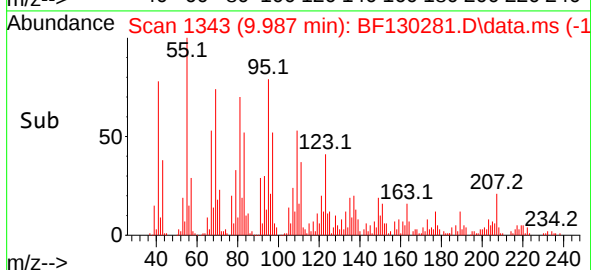
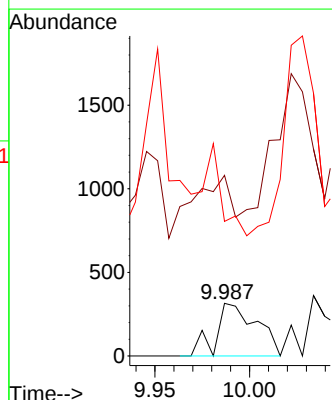
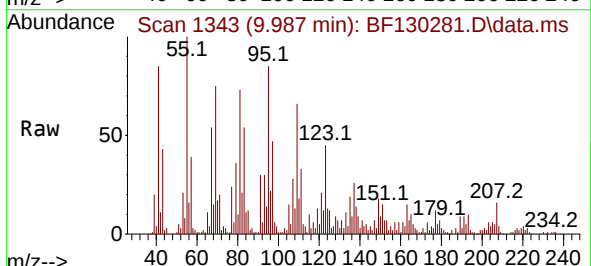
Tgt Ion:184 Resp: 471

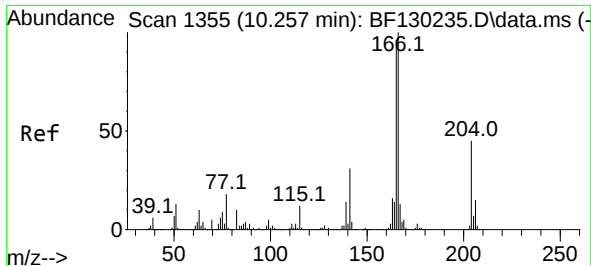
Ion Ratio Lower Upper

184 100

63 343.2 70.0 105.0#

154 255.6 63.0 94.6#

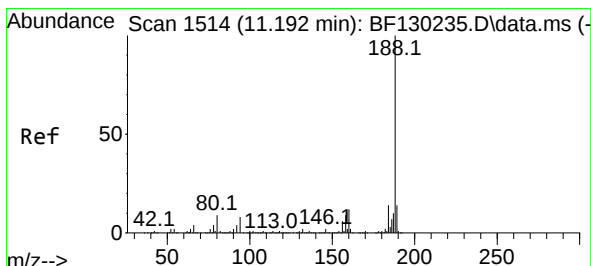
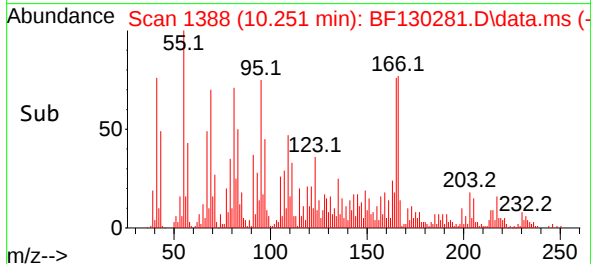
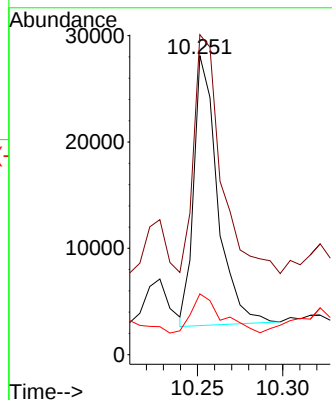
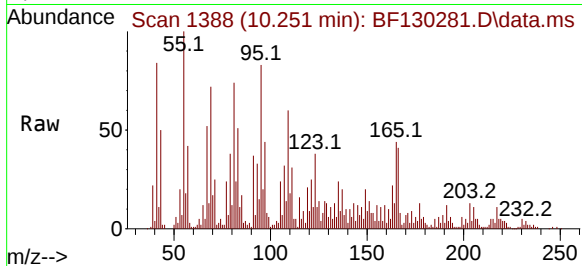




#58
Fluorene
Concen: 2.305 ng
RT: 10.251 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

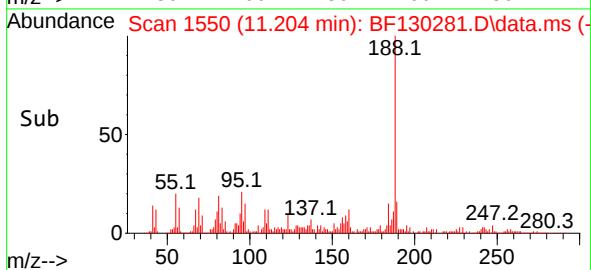
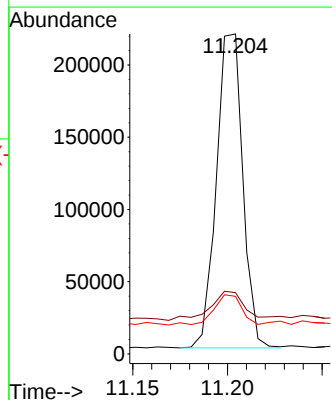
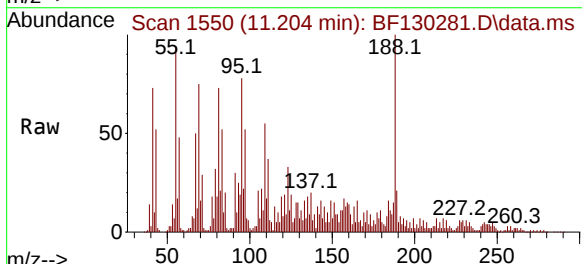
Instrument :
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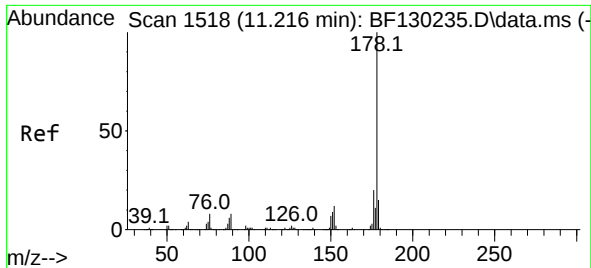
Tgt Ion:166 Resp: 24629
Ion Ratio Lower Upper
166 100
165 107.1 78.8 118.2
167 20.3 10.6 15.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.204 min Scan# 1550
Delta R.T. 0.012 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:188 Resp: 210686
Ion Ratio Lower Upper
188 100
94 19.1 7.4 11.2#
80 18.0 7.9 11.9#

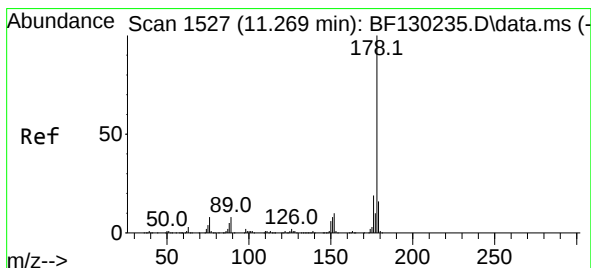
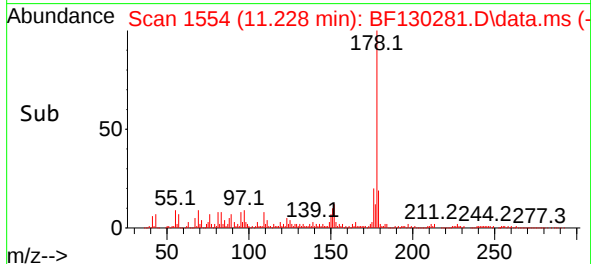
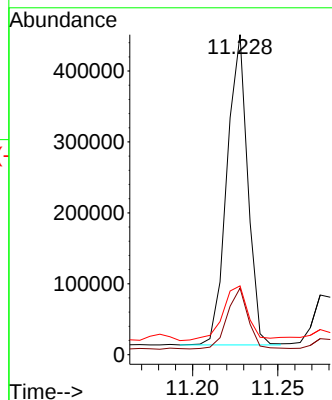
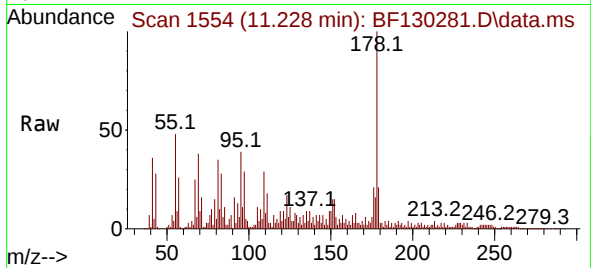




#71
Phenanthrene
Concen: 31.346 ng
RT: 11.228 min Scan# 1554
Delta R.T. 0.012 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

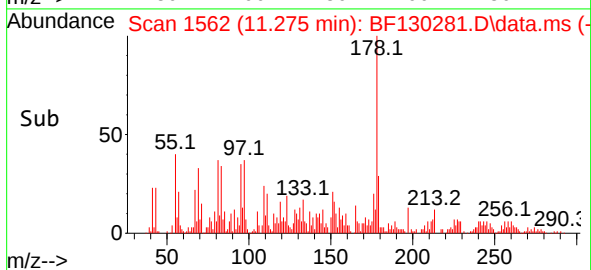
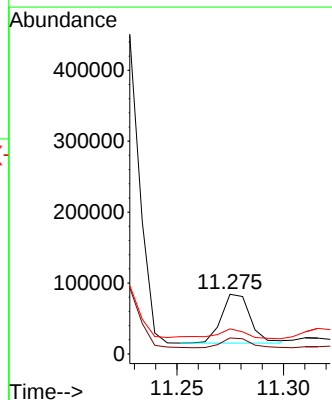
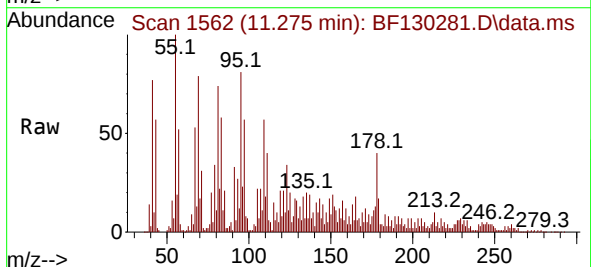
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

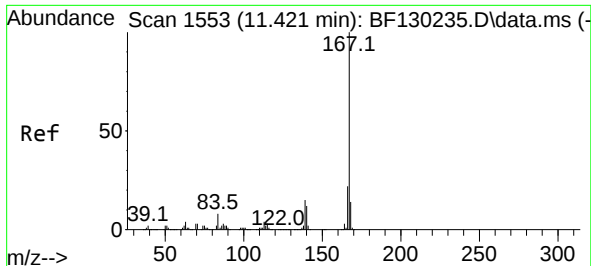
Tgt Ion:178 Resp: 370791
Ion Ratio Lower Upper
178 100
176 20.8 15.4 23.0
179 21.5 12.4 18.6#



#72
Anthracene
Concen: 5.714 ng
RT: 11.275 min Scan# 1562
Delta R.T. 0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:178 Resp: 65230
Ion Ratio Lower Upper
178 100
176 26.9 15.0 22.6#
179 42.2 12.7 19.1#

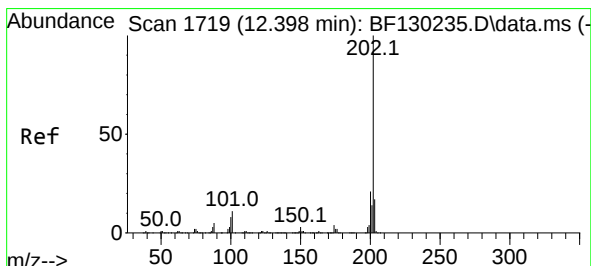
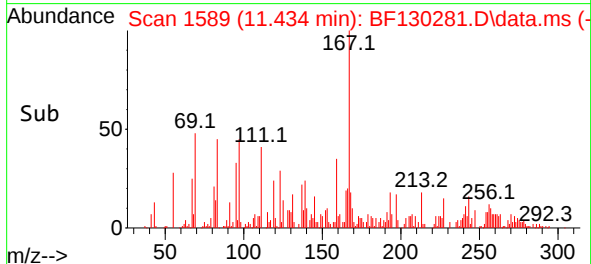
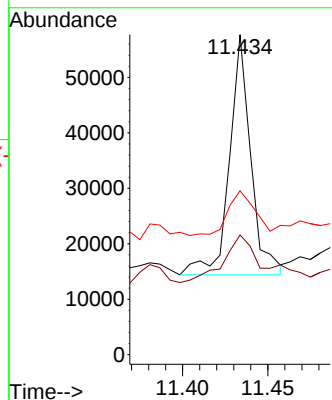
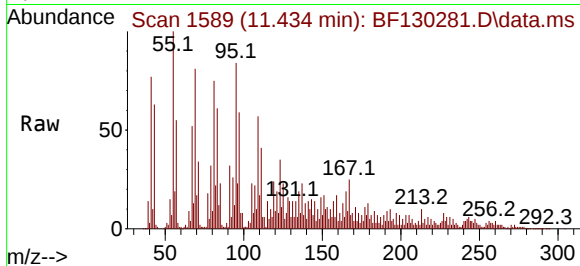




#73
 Carbazole
 Concen: 3.679 ng
 RT: 11.434 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF130281.D
 Acq: 15 Sep 2022 20:29

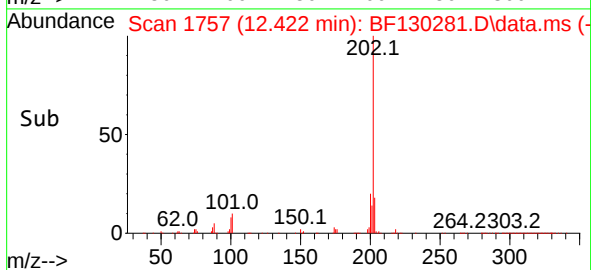
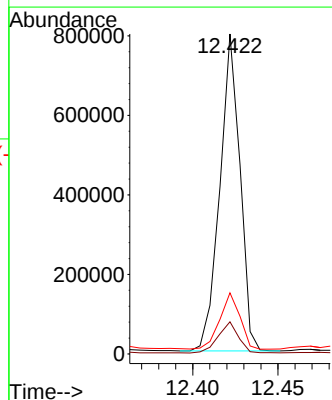
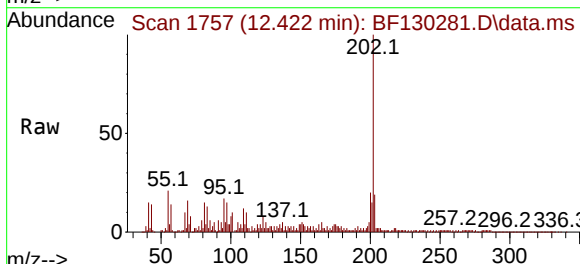
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-2046DL

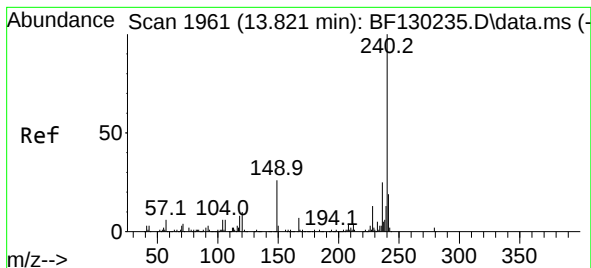
Tgt Ion:167 Resp: 37904
 Ion Ratio Lower Upper
 167 100
 166 37.4 17.4 26.2#
 139 51.2 11.6 17.4#



#75
 Fluoranthene
 Concen: 57.433 ng
 RT: 12.422 min Scan# 1757
 Delta R.T. 0.024 min
 Lab File: BF130281.D
 Acq: 15 Sep 2022 20:29

Tgt Ion:202 Resp: 656462
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.8
 203 19.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.828 min Scan# 1961

Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

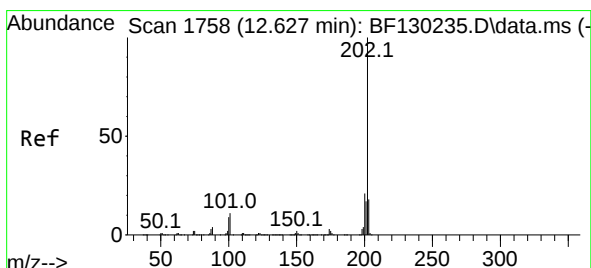
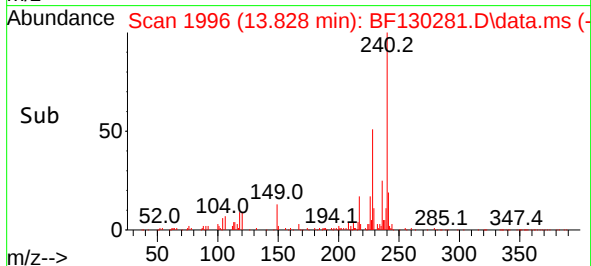
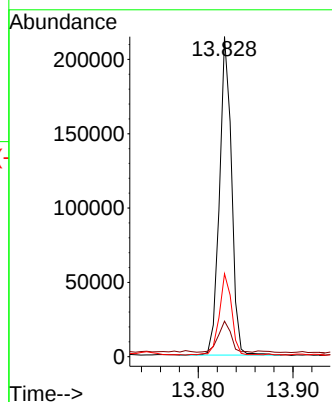
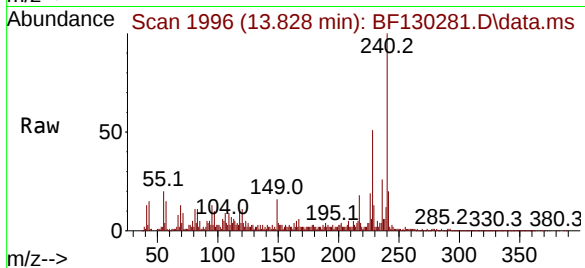
Tgt Ion:240 Resp: 189253

Ion Ratio Lower Upper

240 100

120 11.1 8.7 13.1

236 25.9 20.9 31.3



#78

Pyrene

Concen: 41.973 ng

RT: 12.651 min Scan# 1796

Delta R.T. 0.024 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

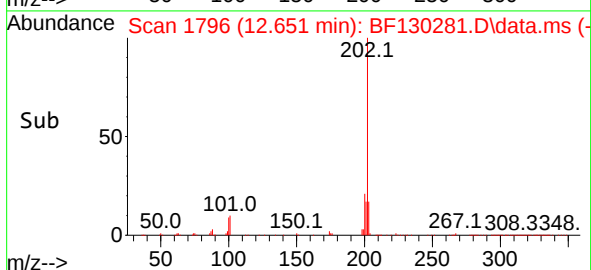
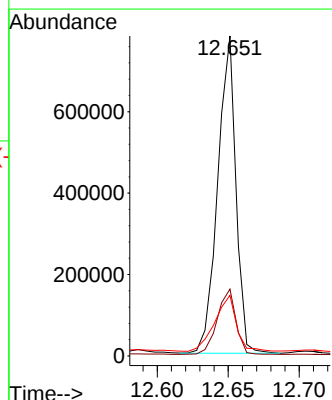
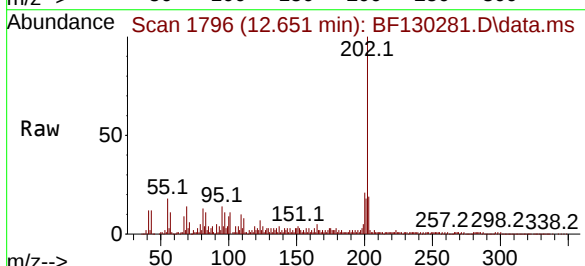
Tgt Ion:202 Resp: 694907

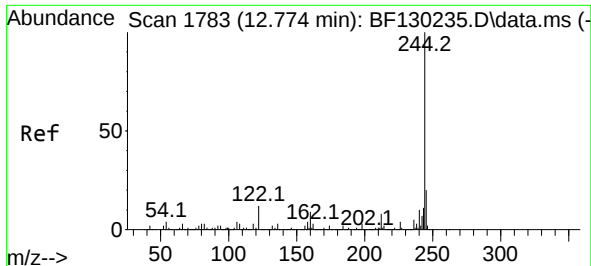
Ion Ratio Lower Upper

202 100

200 20.9 17.2 25.8

203 18.9 14.3 21.5

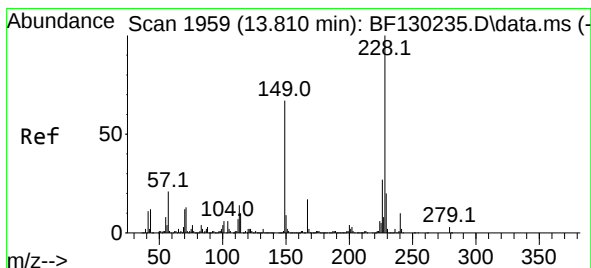
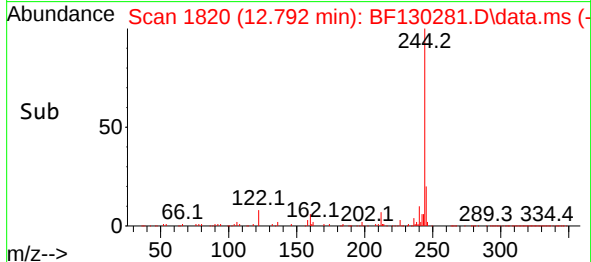
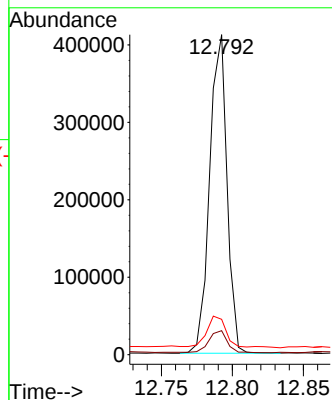
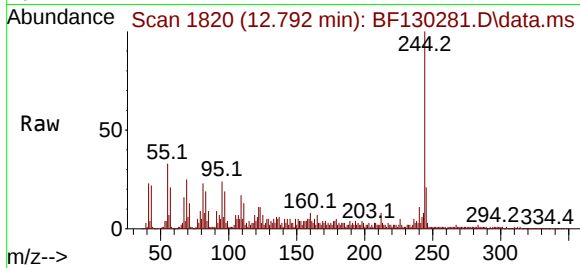




#79
 Terphenyl-d14
 Concen: 30.650 ng
 RT: 12.792 min Scan# 1783
 Delta R.T. 0.018 min
 Lab File: BF130281.D
 Acq: 15 Sep 2022 20:29

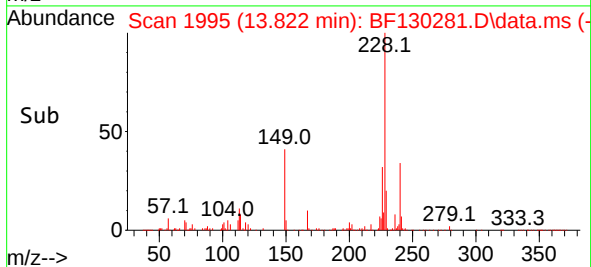
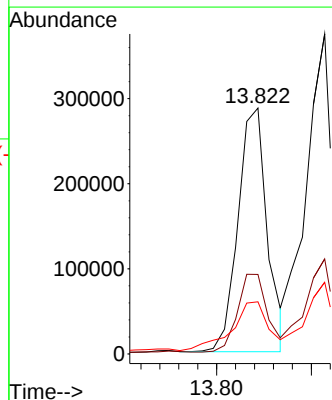
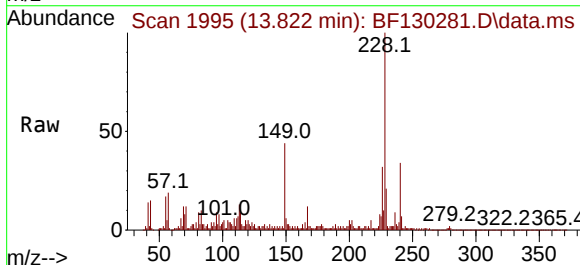
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-2046DL

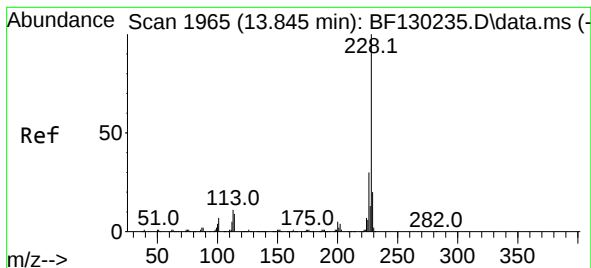
Tgt Ion:244 Resp: 350178
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 11.0 8.5 12.7



#81
 Benzo(a)anthracene
 Concen: 24.392 ng
 RT: 13.822 min Scan# 1995
 Delta R.T. 0.012 min
 Lab File: BF130281.D
 Acq: 15 Sep 2022 20:29

Tgt Ion:228 Resp: 307094
 Ion Ratio Lower Upper
 228 100
 226 32.3 21.9 32.9
 229 21.2 16.1 24.1





#83

Chrysene

Concen: 30.162 ng

RT: 13.857 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

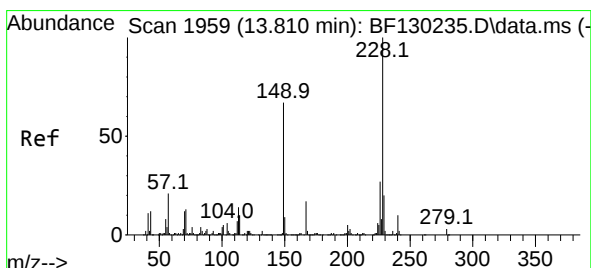
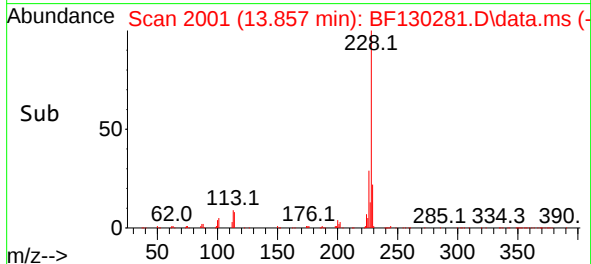
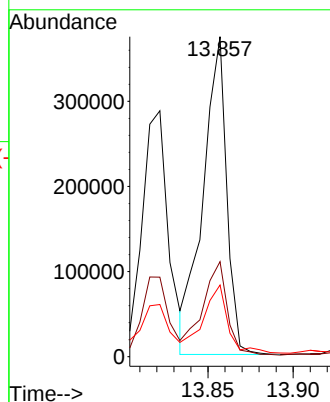
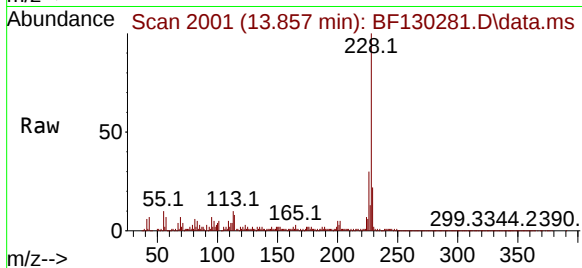
Tgt Ion:228 Resp: 360566

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 22.4 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 18.237 ng

RT: 13.816 min Scan# 1994

Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

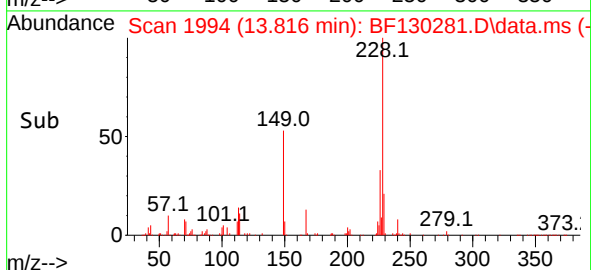
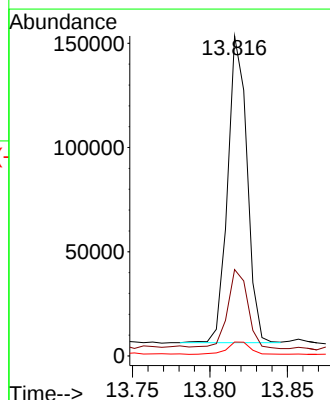
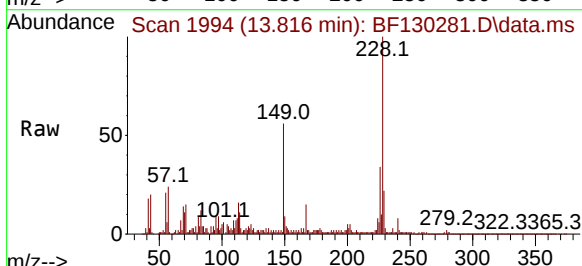
Tgt Ion:149 Resp: 128118

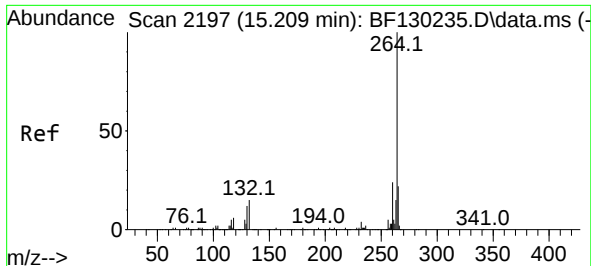
Ion Ratio Lower Upper

149 100

167 27.0 20.5 30.7

279 4.3 2.9 4.3#

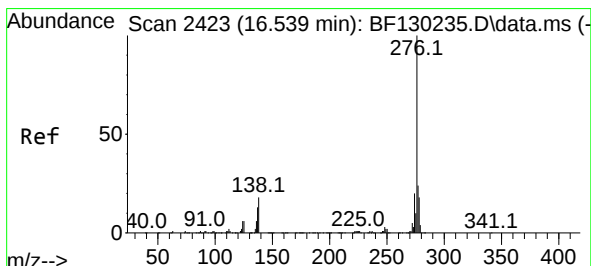
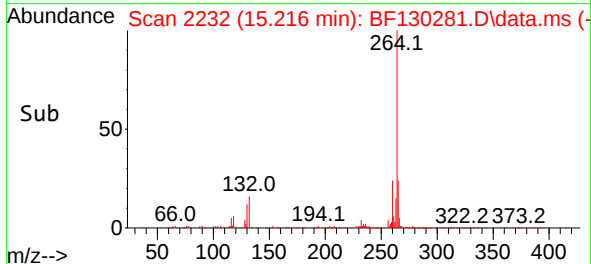
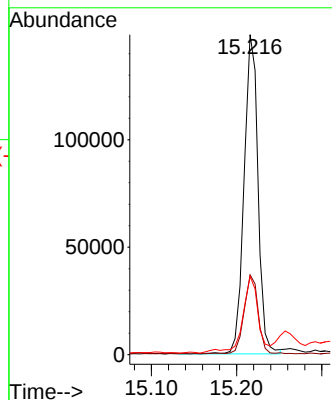
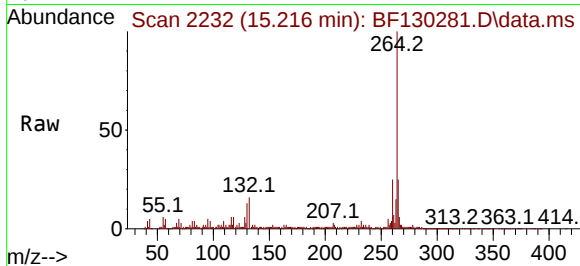




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.216 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

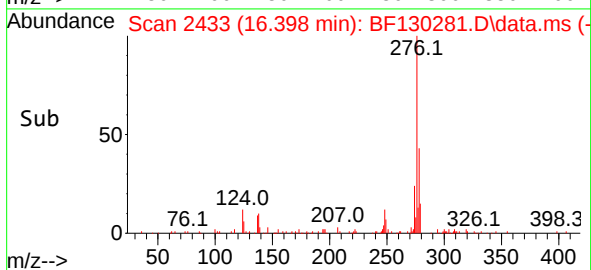
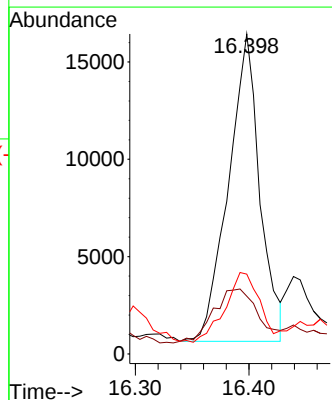
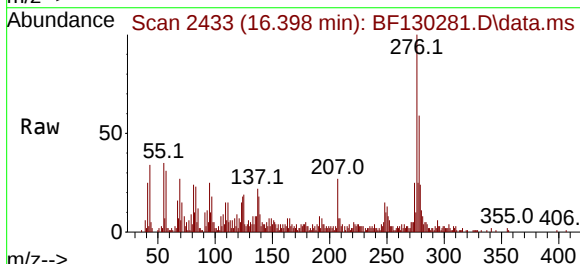
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

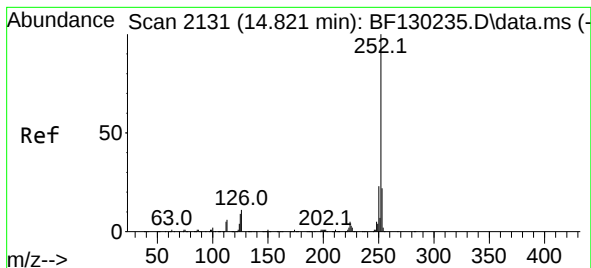
Tgt Ion:264 Resp: 169350
Ion Ratio Lower Upper
264 100
260 24.9 19.3 28.9
265 24.5 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.518 ng
RT: 16.398 min Scan# 2433
Delta R.T. -0.141 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:276 Resp: 30237
Ion Ratio Lower Upper
276 100
138 25.3 18.5 27.7
277 26.0 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 49.650 ng

RT: 14.828 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

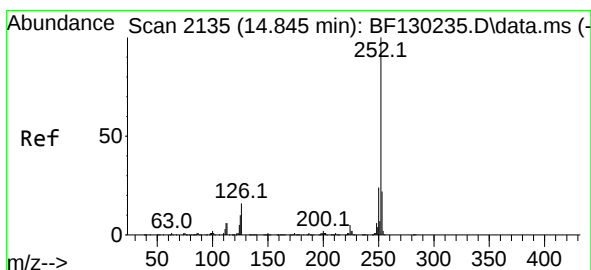
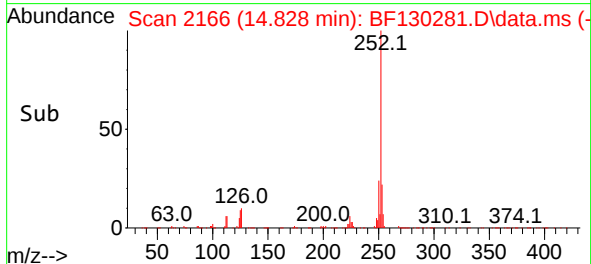
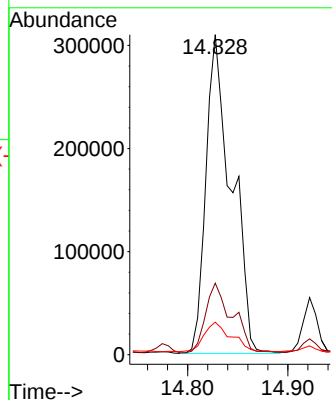
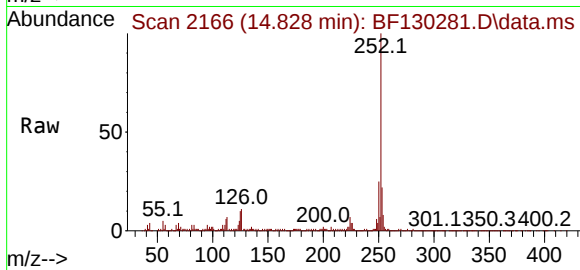
Tgt Ion:252 Resp: 548800

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 10.1 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 50.473 ng

RT: 14.828 min Scan# 2166

Delta R.T. -0.017 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

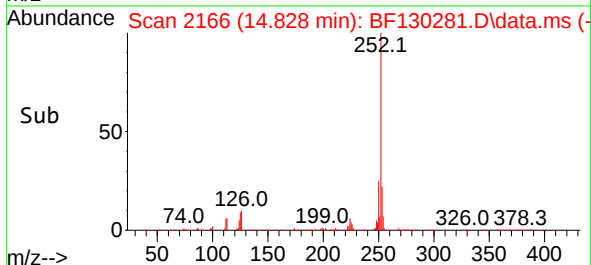
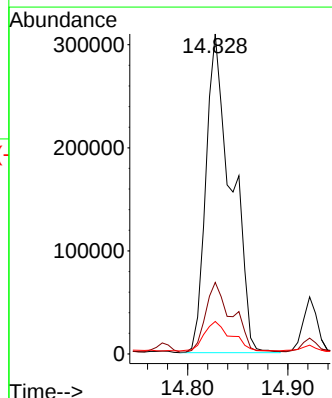
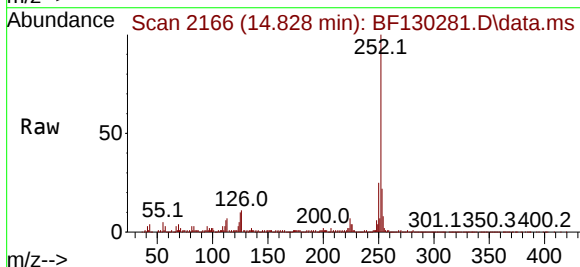
Tgt Ion:252 Resp: 548800

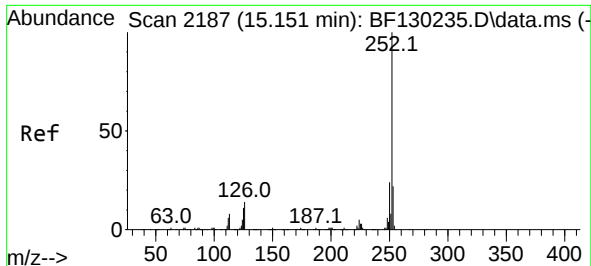
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.2

125 10.1 7.9 11.9

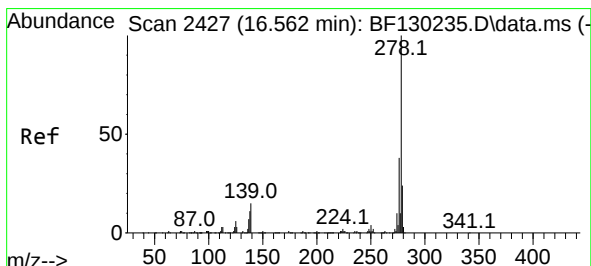
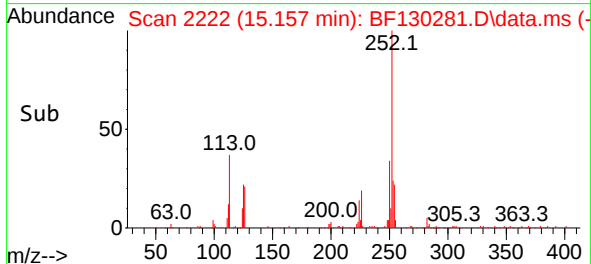
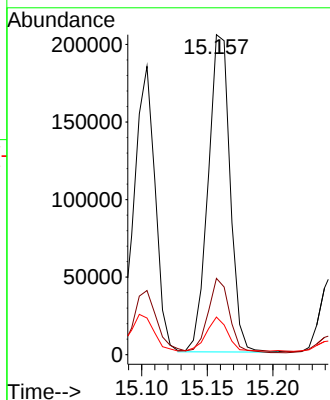
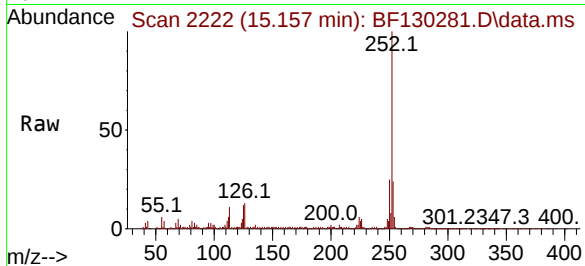




#90
Benzo(a)pyrene
Concen: 27.295 ng
RT: 15.157 min Scan# 2187
Delta R.T. 0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

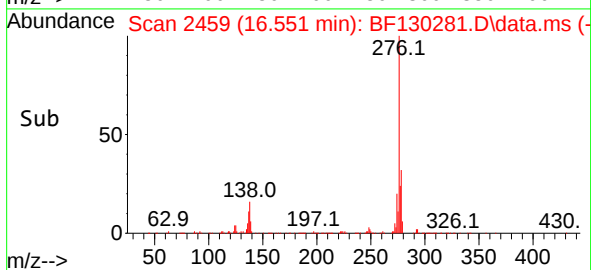
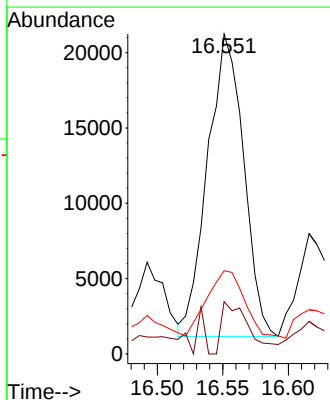
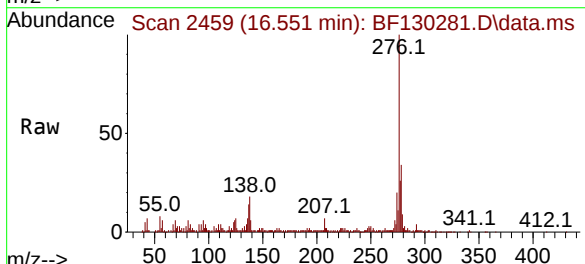
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

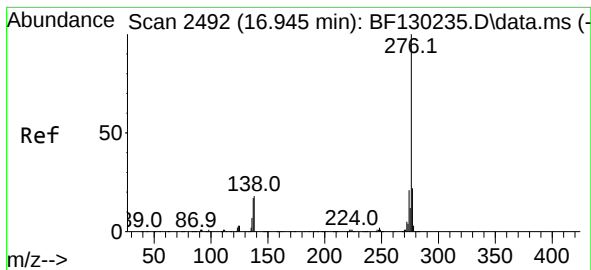
Tgt Ion:252 Resp: 239022
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 11.7 9.0 13.6



#91
Dibenzo(a,h)anthracene
Concen: 3.896 ng
RT: 16.551 min Scan# 2459
Delta R.T. -0.011 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:278 Resp: 38379
Ion Ratio Lower Upper
278 100
139 19.5 11.8 17.8#
279 26.0 19.4 29.0





#92

Benzo(g,h,i)perylene

Concen: 14.581 ng

RT: 16.945 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130281.D

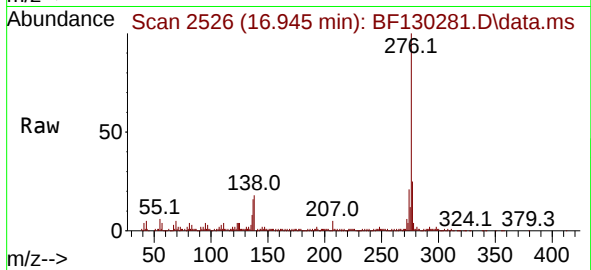
Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL



Tgt Ion:276 Resp: 144703

Ion Ratio Lower Upper

276 100

277 24.8 18.6 27.8

138 18.5 14.6 21.8

