

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122822\
 Data File : BF131871.D
 Acq On : 28 Dec 2022 20:39
 Operator : CG\JU
 Sample : N6218-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223

Quant Time: Dec 29 01:00:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 05:13:34 2022
 Response via : Initial Calibration

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

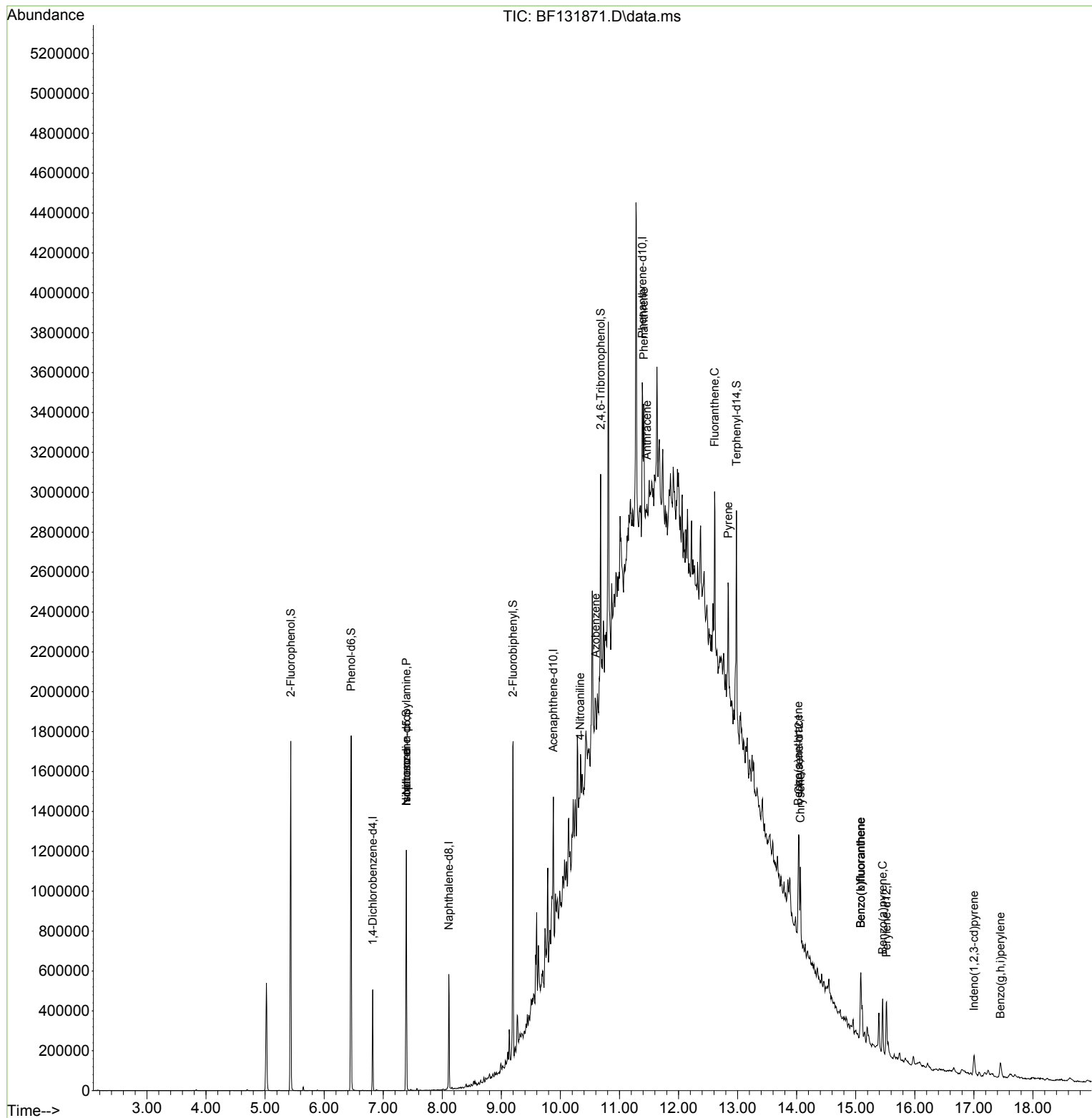
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	62186	20.000	ng	-0.01
21) Naphthalene-d8	8.110	136	222642	20.000	ng	-0.02
39) Acenaphthene-d10	9.881	164	117258	20.000	ng	-0.01
64) Phenanthrene-d10	11.387	188	169716	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	115098	20.000	ng	0.00
86) Perylene-d12	15.522	264	124469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	414879	110.563	ng	0.00
7) Phenol-d6	6.457	99	553526	112.277	ng	-0.01
23) Nitrobenzene-d5	7.393	82	381312	68.379	ng	-0.02
42) 2,4,6-Tribromophenol	10.681	330	123002	96.547	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	485846	56.753	ng	-0.01
79) Terphenyl-d14	12.980	244	325705	47.867	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	53047	15.236	ng	# 80
25) Isophorone	7.393	82	381308	41.871	ng	# 69
62) 4-Nitroaniline	10.334	138	6309	3.094	ng	98
63) Azobenzene	10.598	77	23142	2.442	ng	# 38
71) Phenanthrene	11.410	178	197688	21.182	ng	# 95
72) Anthracene	11.463	178	27454	3.007	ng	# 71
75) Fluoranthene	12.610	202	322617	29.677	ng	97
78) Pyrene	12.839	202	259659	26.916	ng	98
81) Benzo(a)anthracene	14.028	228	130586	15.670	ng	98
83) Chrysene	14.063	228	134763	17.209	ng	98
87) Indeno(1,2,3-cd)pyrene	17.004	276	65713	8.310	ng	98
88) Benzo(b)fluoranthene	15.086	252	249209	27.306	ng	# 98
89) Benzo(k)fluoranthene	15.086	252	249209	28.261	ng	# 98
90) Benzo(a)pyrene	15.457	252	120701	17.082	ng	97
92) Benzo(g,h,i)perylene	17.451	276	61210	12.364	ng	96

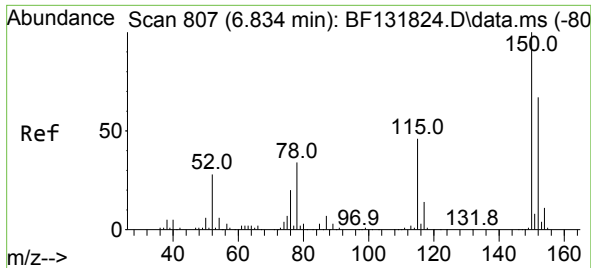
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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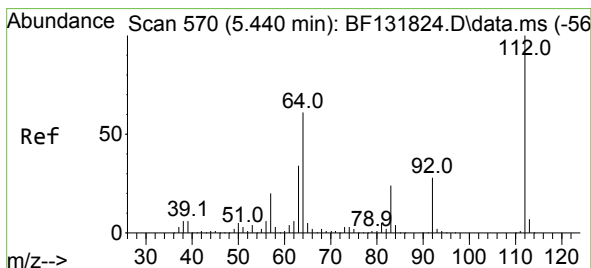
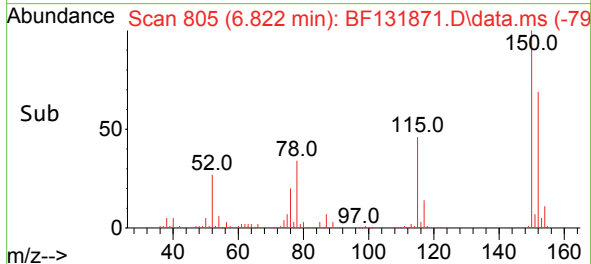
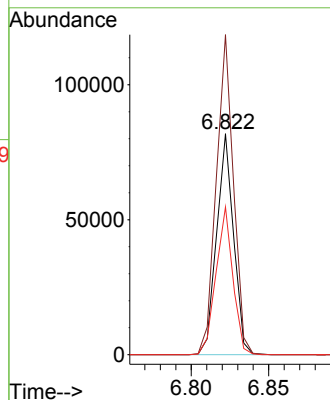
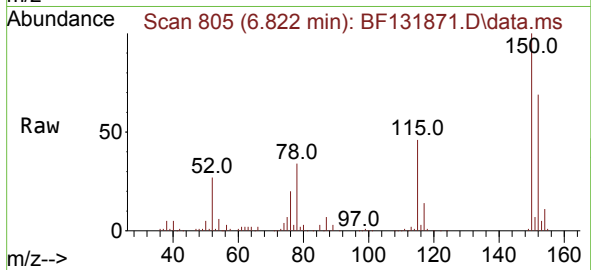




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

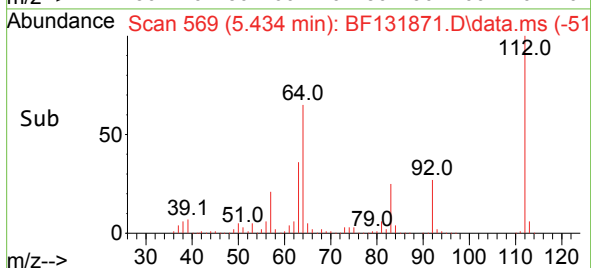
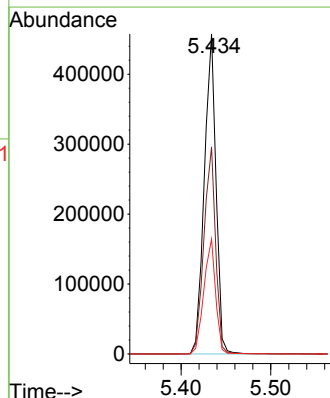
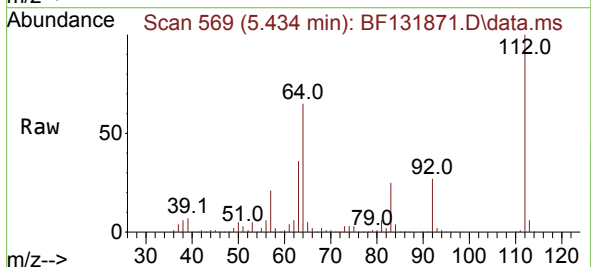
Instrument :
BNA_F
ClientSampleId :
CHRT-26223

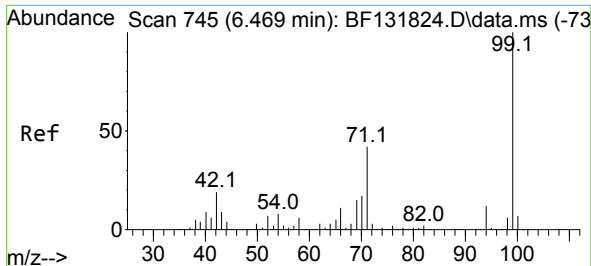
Tgt Ion:152 Resp: 62186
Ion Ratio Lower Upper
152 100
150 144.8 120.0 180.0
115 66.8 55.1 82.7



#5
2-Fluorophenol
Concen: 110.563 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion:112 Resp: 414879
Ion Ratio Lower Upper
112 100
64 64.7 49.2 73.8
63 35.9 27.5 41.3

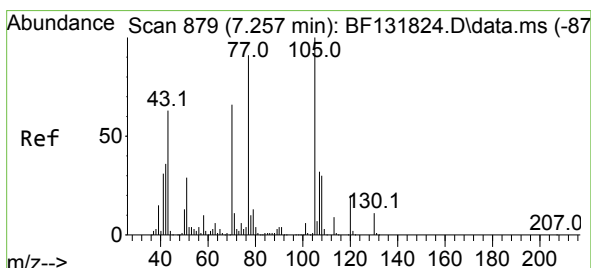
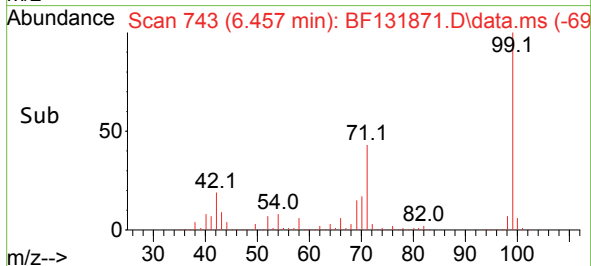
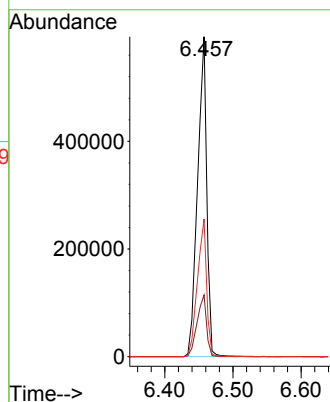
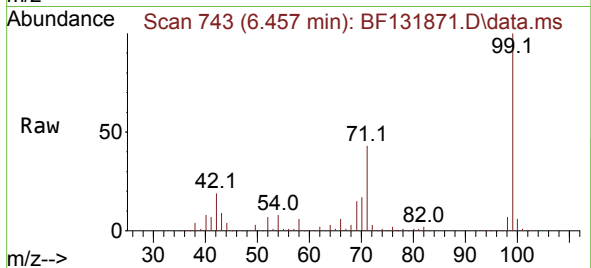




#7
Phenol-d6
Concen: 112.277 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

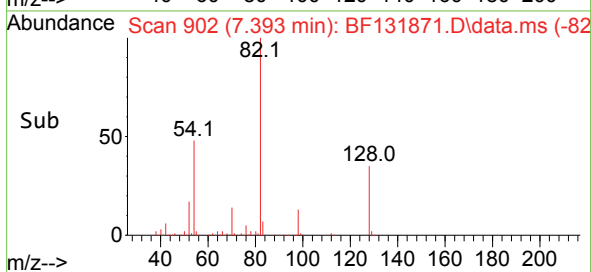
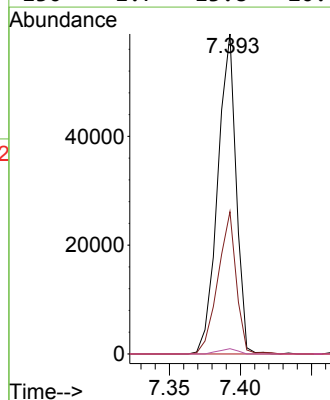
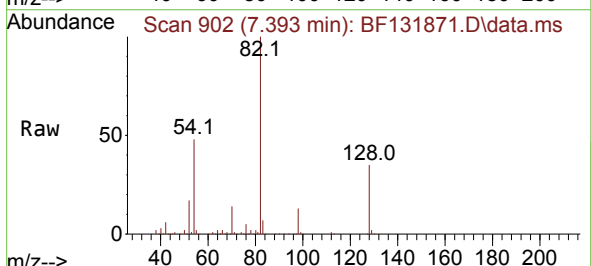
Instrument :
BNA_F
ClientSampleId :
CHRT-26223

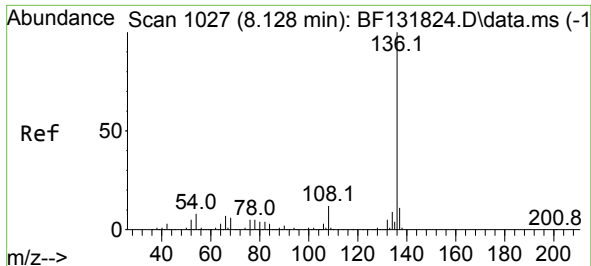
Tgt Ion: 99 Resp: 553526
Ion Ratio Lower Upper
99 100
42 19.3 15.3 22.9
71 43.0 33.5 50.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.236 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.135 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion: 70 Resp: 53047
Ion Ratio Lower Upper
70 100
42 44.4 43.8 65.6
101 0.0 7.4 11.0#
130 1.7 13.8 20.6#



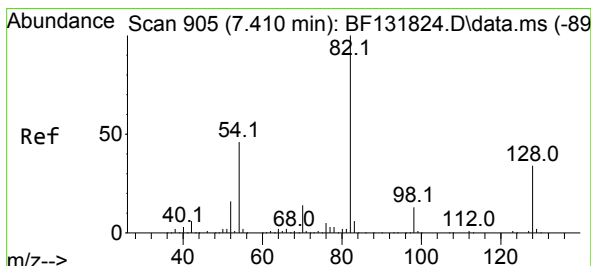
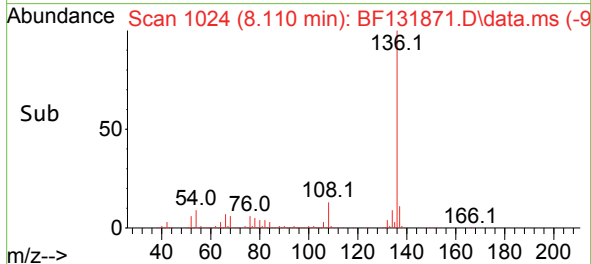
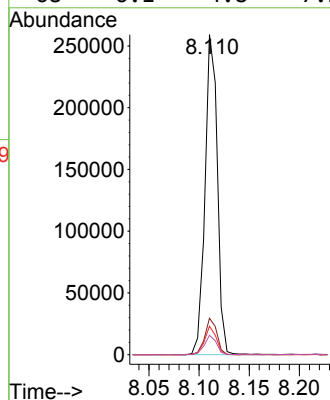
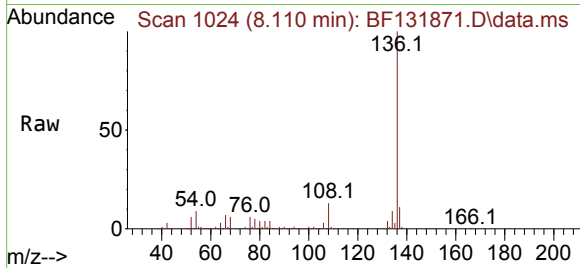


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.017 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :
BNA_F
ClientSampleId :
CHRT-26223

Tgt Ion:136 Resp: 222642

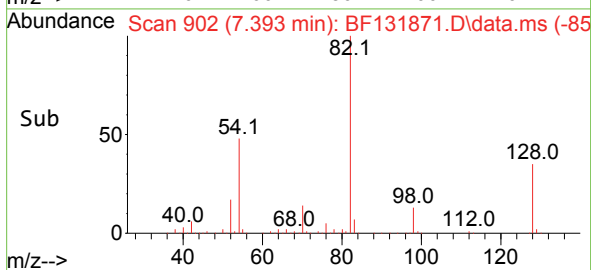
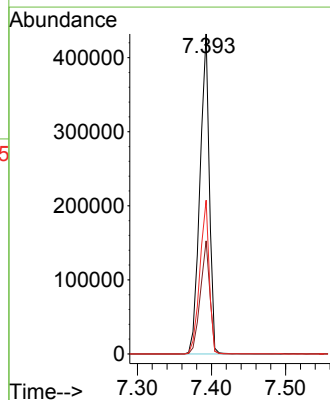
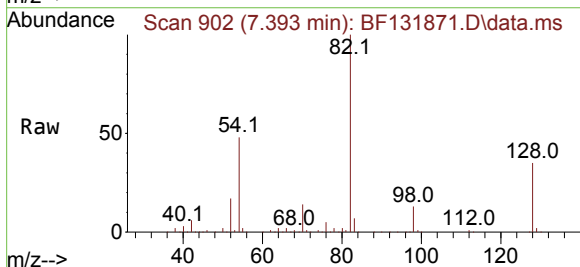
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	8.9	6.7	10.1
68	6.1	4.8	7.2

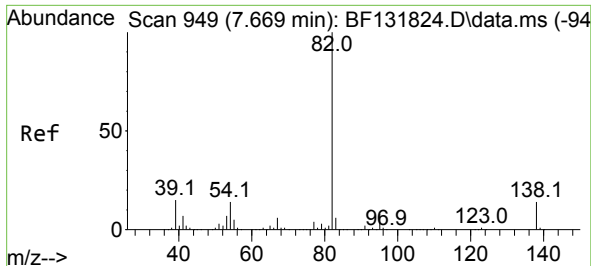


#23
Nitrobenzene-d5
Concen: 68.379 ng
RT: 7.393 min Scan# 902
Delta R.T. -0.017 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion: 82 Resp: 381312

Ion	Ratio	Lower	Upper
82	100		
128	35.4	27.1	40.7
54	48.1	37.0	55.6

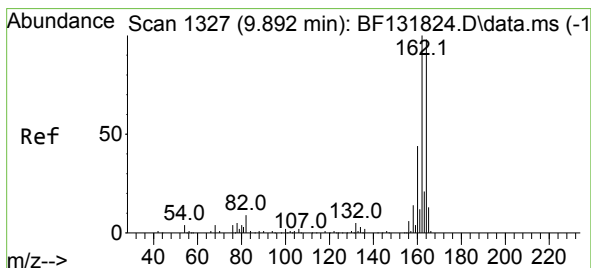
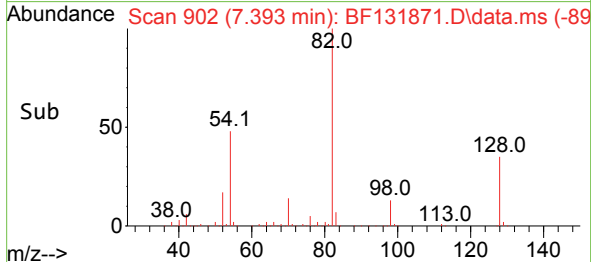
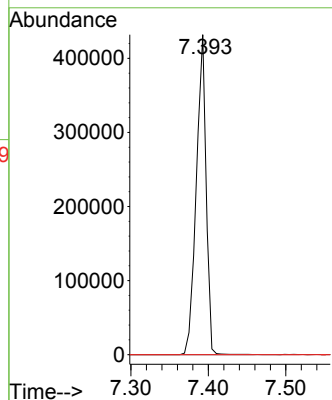
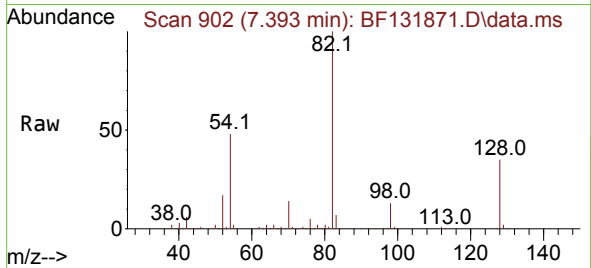




#25
Isophorone
Concen: 41.871 ng
RT: 7.393 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

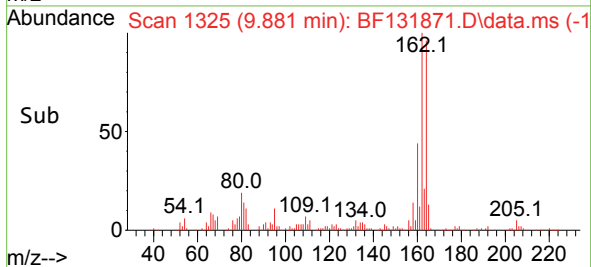
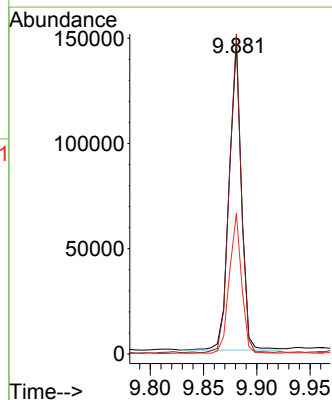
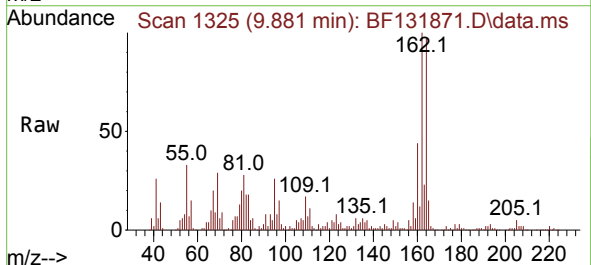
Instrument :
BNA_F
ClientSampleId :
CHRT-26223

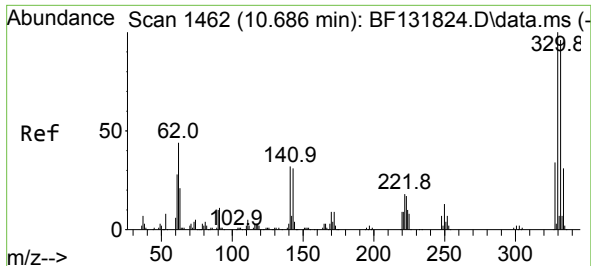
Tgt Ion: 82 Resp: 381308
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 11.5 17.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

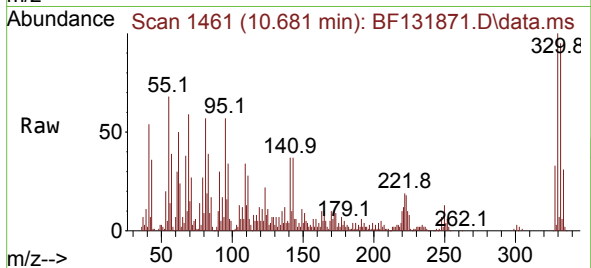
Tgt Ion: 164 Resp: 117258
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.6
160 45.3 35.7 53.5



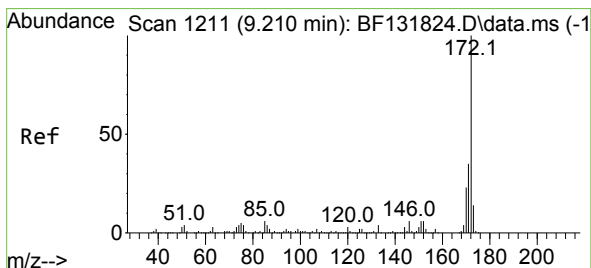
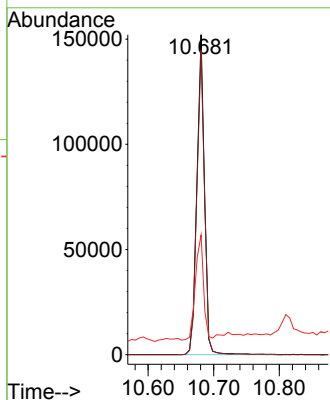
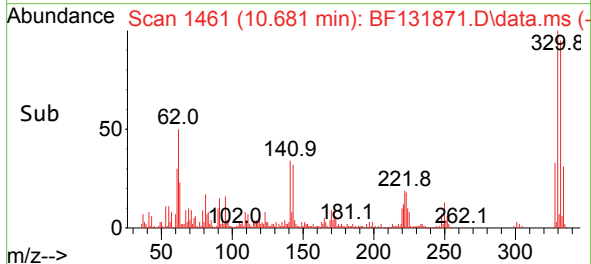


#42
2,4,6-Tribromophenol
Concen: 96.547 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Instrument :
BNA_F
ClientSampleId :
CHRT-26223

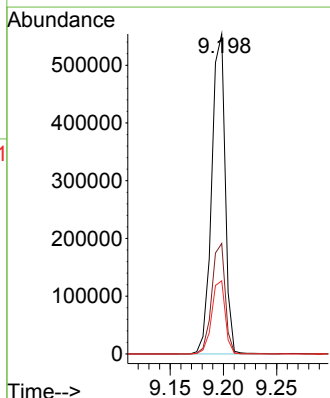
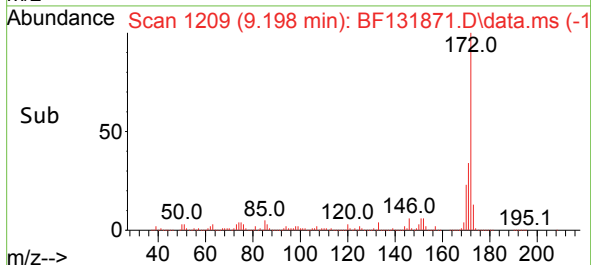
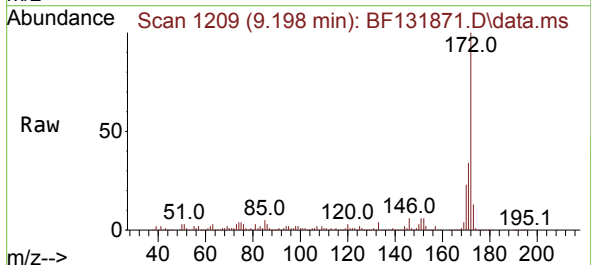


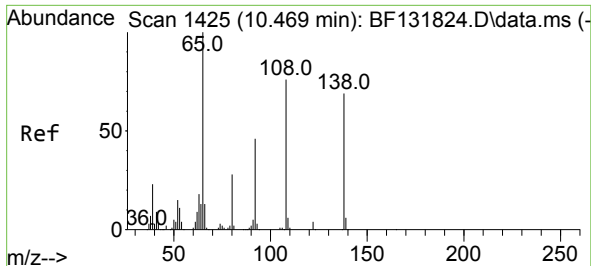
Tgt Ion:330 Resp: 123002
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.4
141 35.1 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 56.753 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion:172 Resp: 485846
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 22.8 18.7 28.1

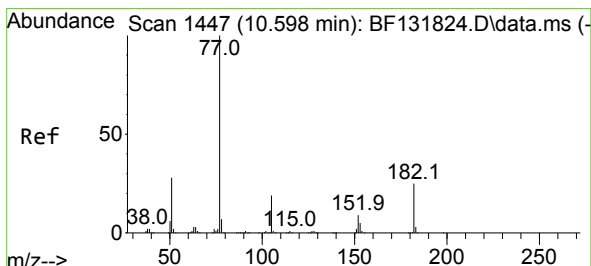
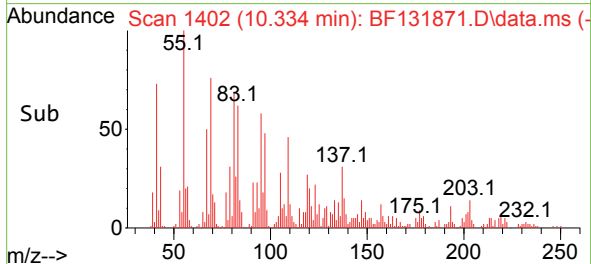
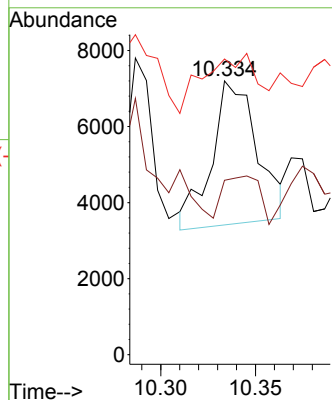
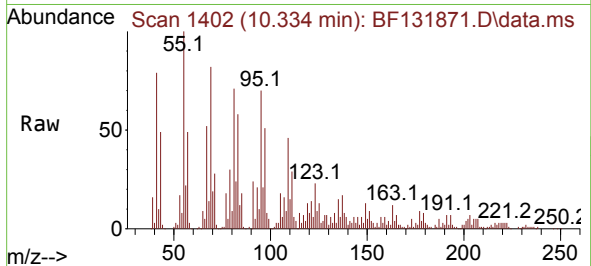




#62
4-Nitroaniline
Concen: 3.094 ng
RT: 10.334 min Scan# 1402
Delta R.T. -0.135 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

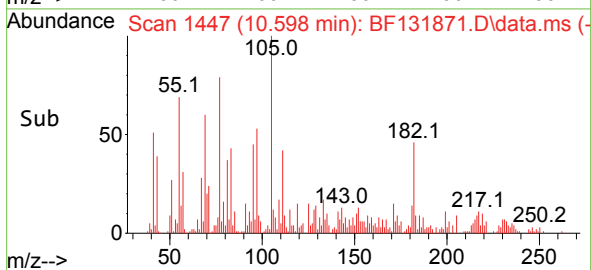
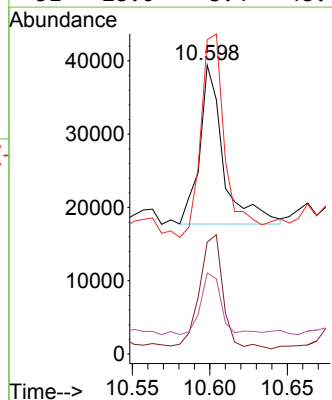
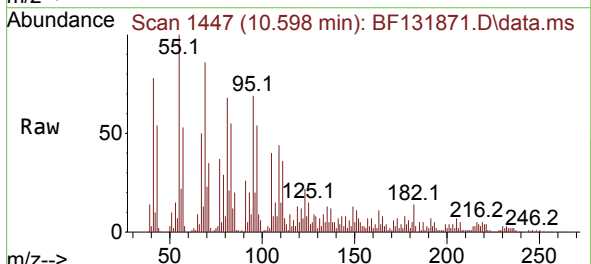
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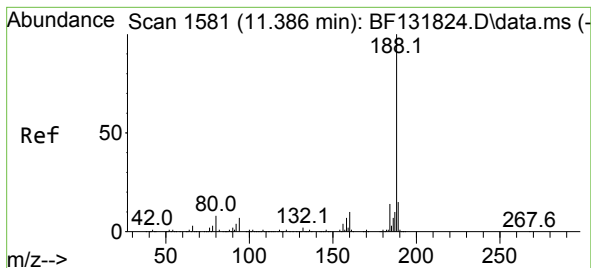
Tgt Ion:138 Resp: 6309
Ion Ratio Lower Upper
138 100
92 63.7 47.2 87.2
108 108.0 89.2 129.2



#63
Azobenzene
Concen: 2.442 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF131871.D
Acq: 28 Dec 2022 20:39

Tgt Ion: 77 Resp: 23142
Ion Ratio Lower Upper
77 100
182 38.7 5.0 45.0
105 108.9 0.0 39.4#
51 28.0 8.4 48.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.387 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

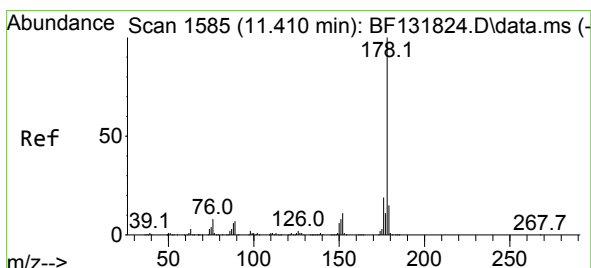
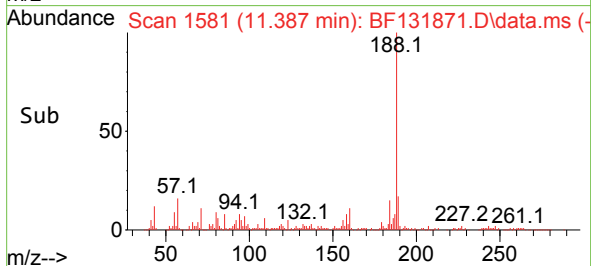
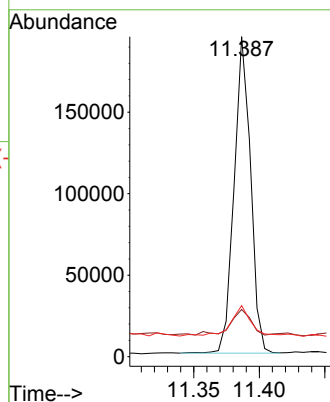
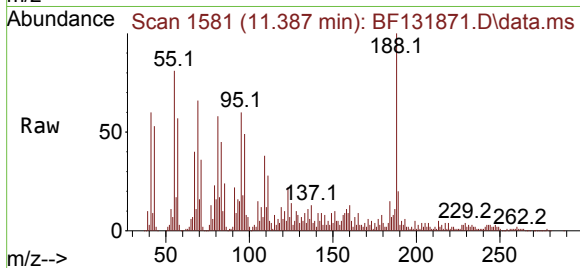
Tgt Ion:188 Resp: 169716

Ion Ratio Lower Upper

188 100

94 14.8 5.8 8.6#

80 15.9 6.7 10.1#



#71

Phenanthrene

Concen: 21.182 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

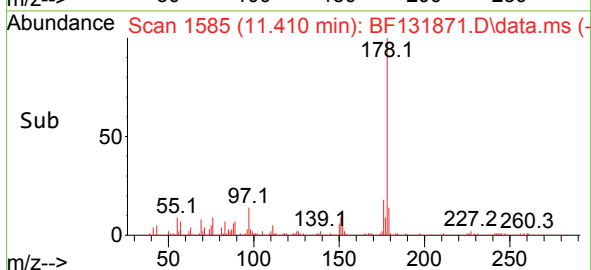
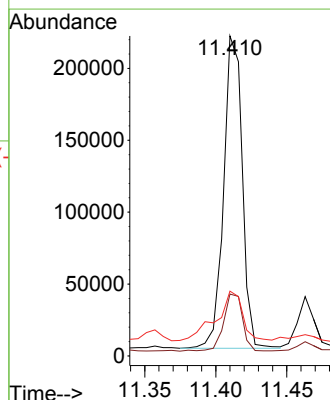
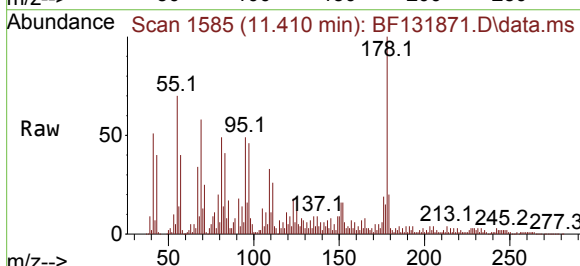
Tgt Ion:178 Resp: 197688

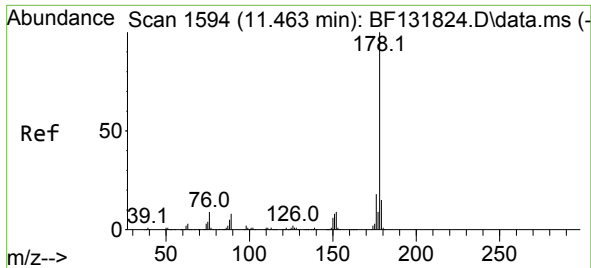
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 20.2 12.2 18.4#

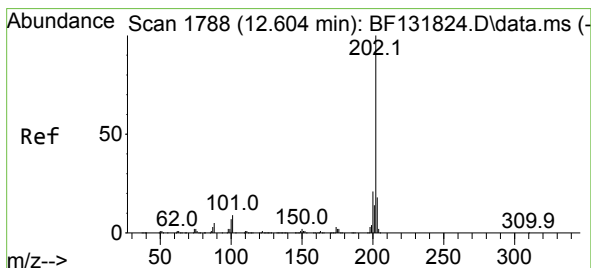
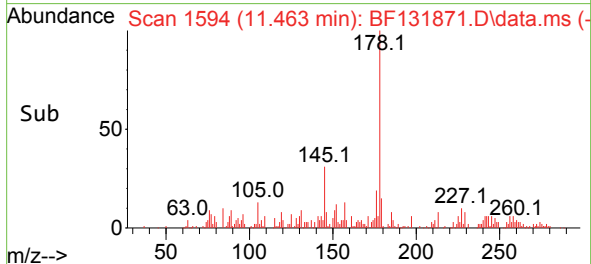
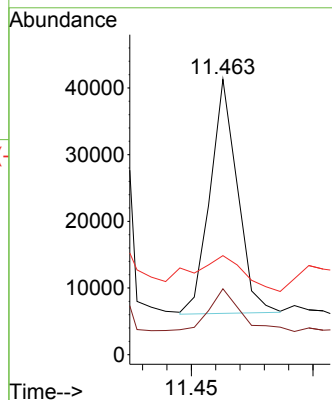
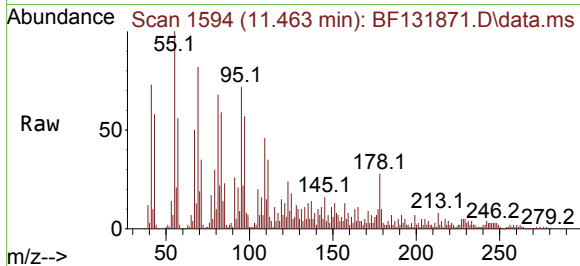




#72
 Anthracene
 Concen: 3.007 ng
 RT: 11.463 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

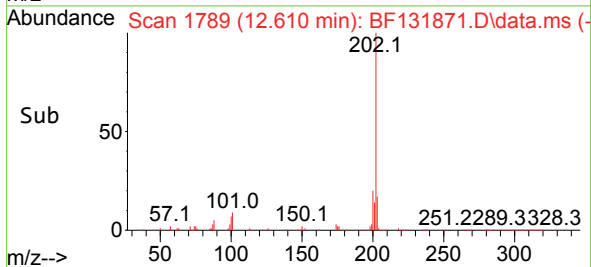
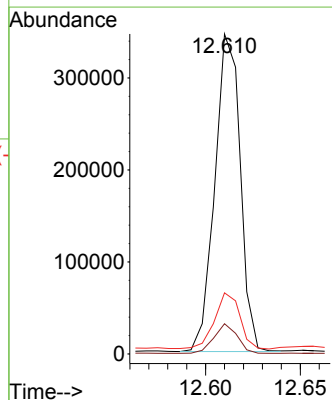
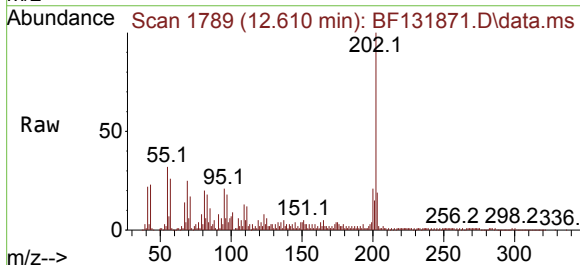
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223

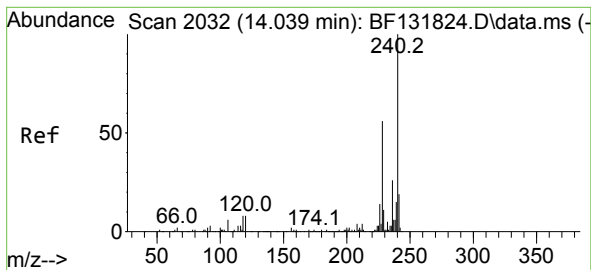
Tgt Ion:178 Resp: 27454
 Ion Ratio Lower Upper
 178 100
 176 23.9 14.8 22.2#
 179 35.9 12.2 18.2#



#75
 Fluoranthene
 Concen: 29.677 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

Tgt Ion:202 Resp: 322617
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 28.6
 203 19.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

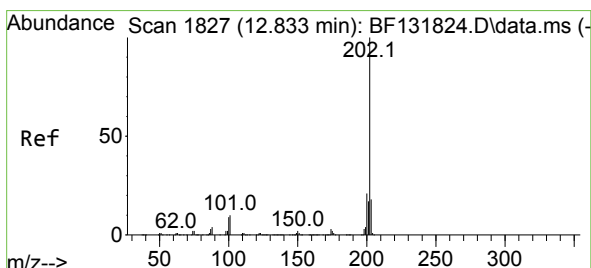
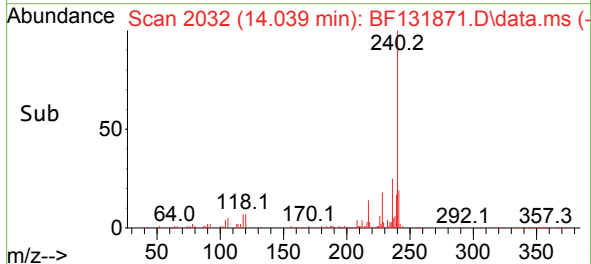
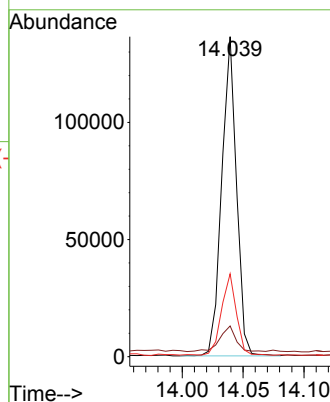
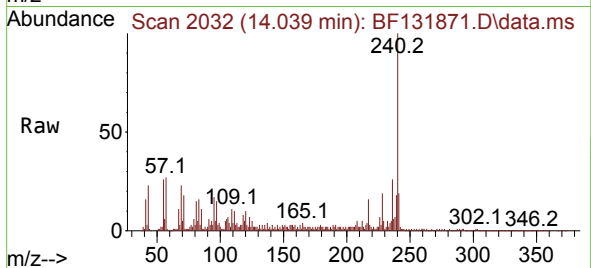
Tgt Ion:240 Resp: 115098

Ion Ratio Lower Upper

240 100

120 9.6 6.7 10.1

236 25.9 20.6 31.0



#78

Pyrene

Concen: 26.916 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

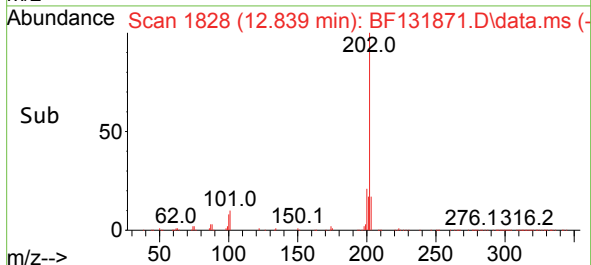
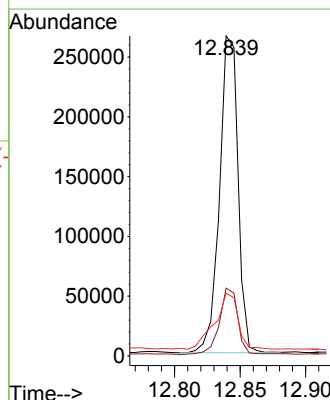
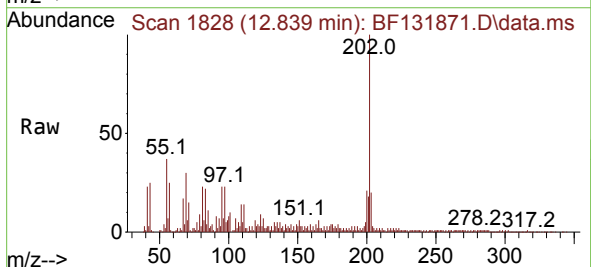
Tgt Ion:202 Resp: 259659

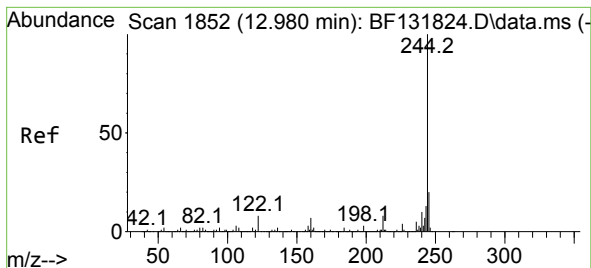
Ion Ratio Lower Upper

202 100

200 21.2 16.7 25.1

203 19.6 14.4 21.6





#79

Terphenyl-d14

Concen: 47.867 ng

RT: 12.980 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

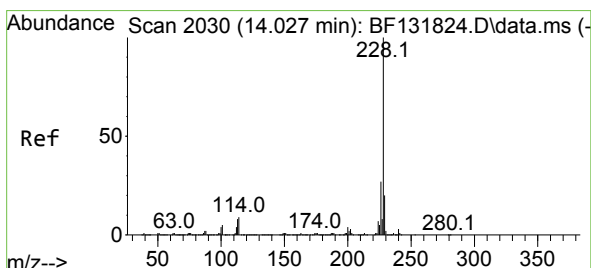
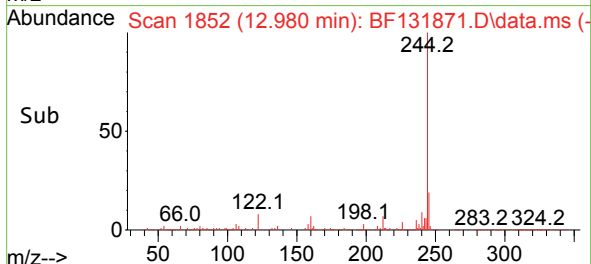
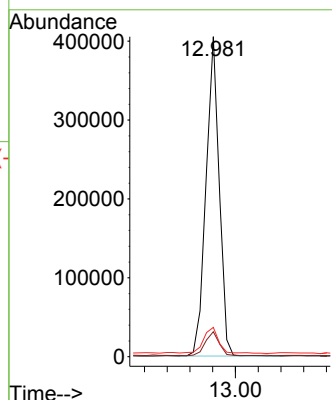
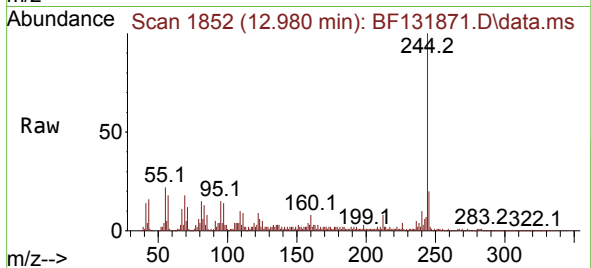
Tgt Ion:244 Resp: 325705

Ion Ratio Lower Upper

244 100

212 7.8 6.3 9.5

122 9.2 6.4 9.6



#81

Benzo(a)anthracene

Concen: 15.670 ng

RT: 14.028 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

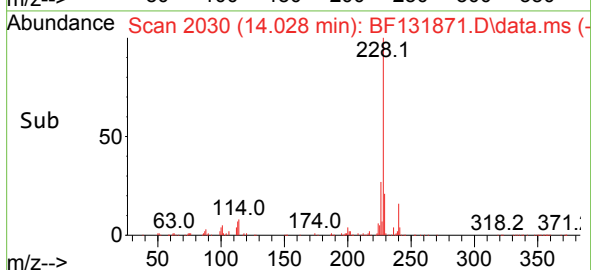
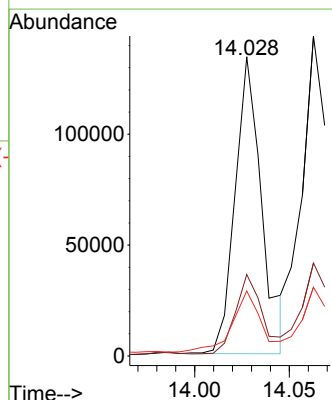
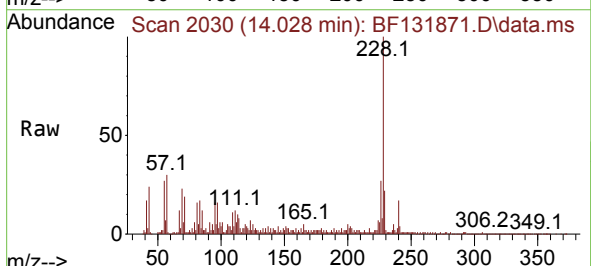
Tgt Ion:228 Resp: 130586

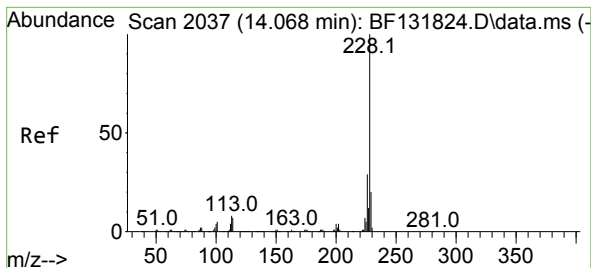
Ion Ratio Lower Upper

228 100

226 27.2 22.0 33.0

229 21.7 16.0 24.0





#83

Chrysene

Concen: 17.209 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

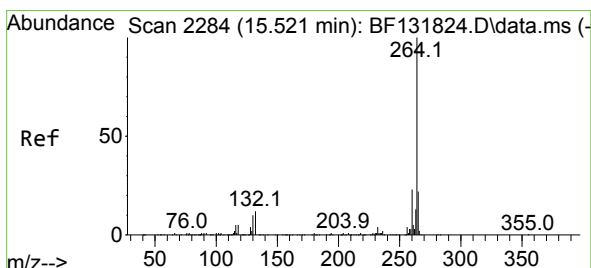
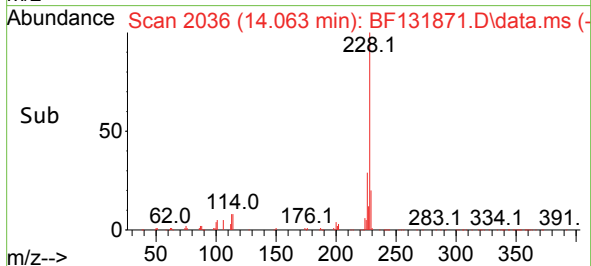
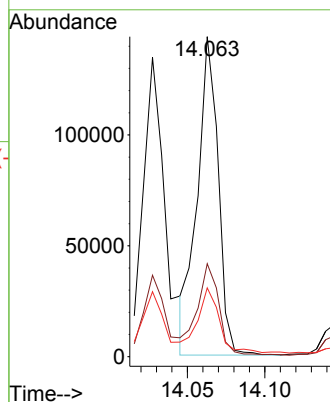
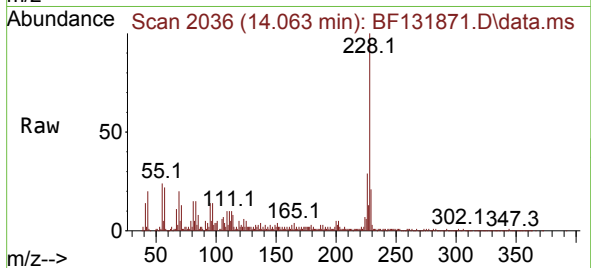
Tgt Ion:228 Resp: 134763

Ion Ratio Lower Upper

228 100

226 29.1 23.5 35.3

229 21.5 16.2 24.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.522 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

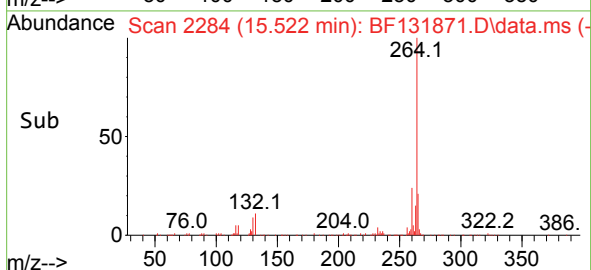
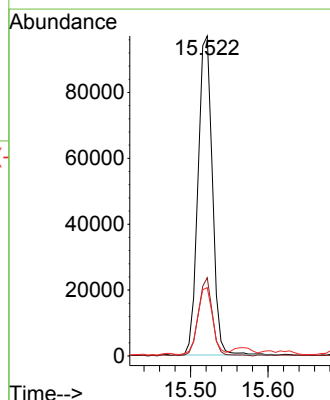
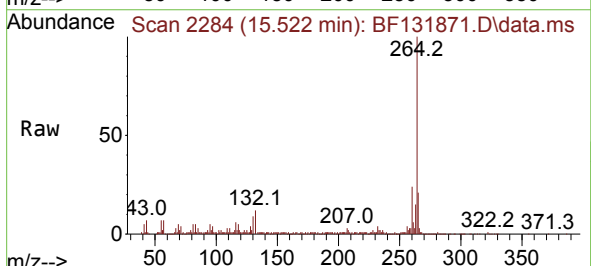
Tgt Ion:264 Resp: 124469

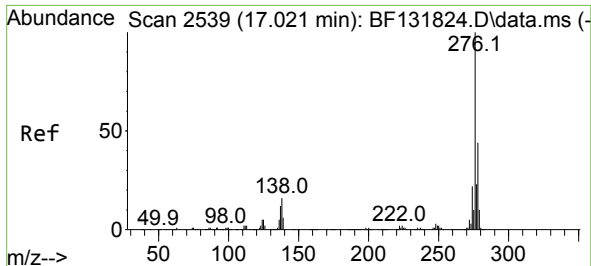
Ion Ratio Lower Upper

264 100

260 24.5 18.6 28.0

265 21.3 17.4 26.0

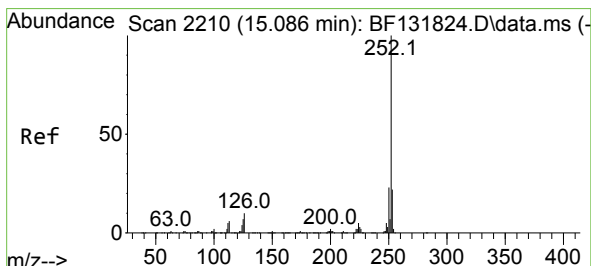
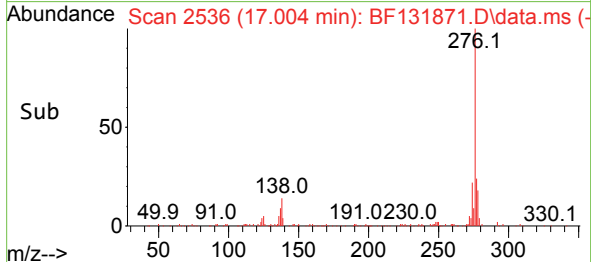
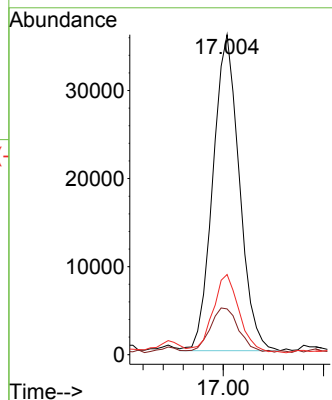
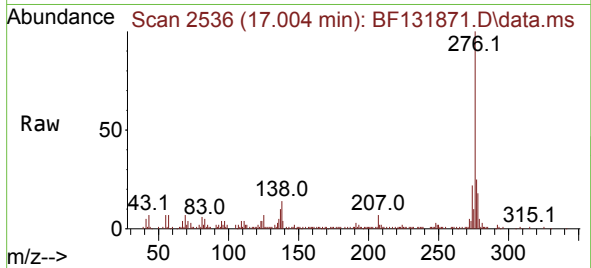




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.310 ng
 RT: 17.004 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

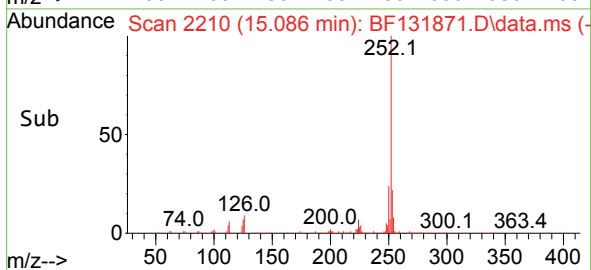
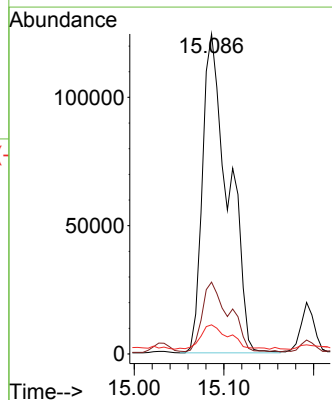
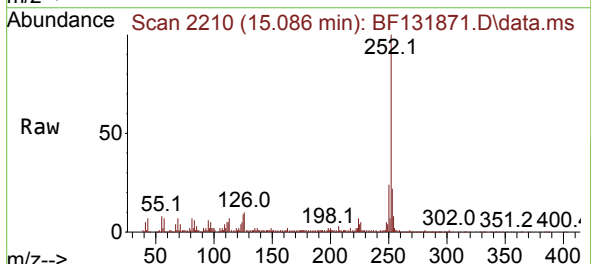
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223

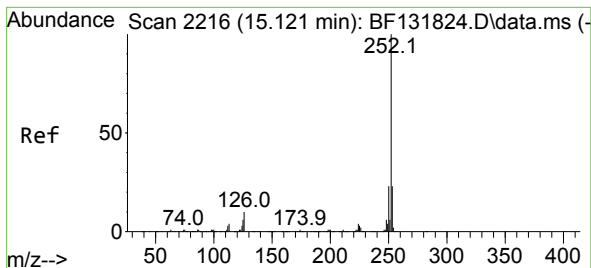
Tgt Ion:276 Resp: 65713
 Ion Ratio Lower Upper
 276 100
 138 16.0 14.5 21.7
 277 24.9 19.7 29.5



#88
 Benzo(b)fluoranthene
 Concen: 27.306 ng
 RT: 15.086 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

Tgt Ion:252 Resp: 249209
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.6 26.4
 125 9.1 5.8 8.8#





#89

Benzo(k)fluoranthene

Concen: 28.261 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

Instrument :

BNA_F

ClientSampleId :

CHRT-26223

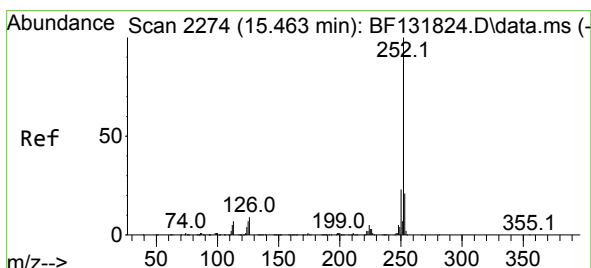
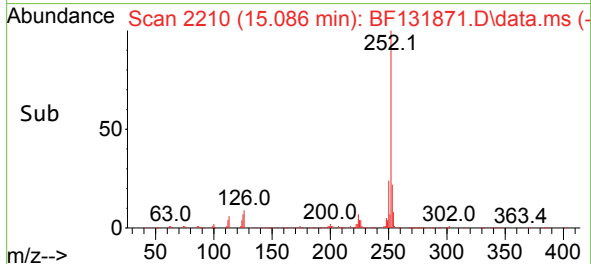
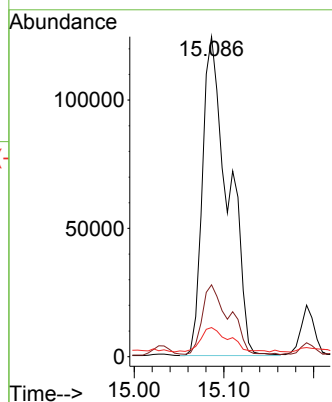
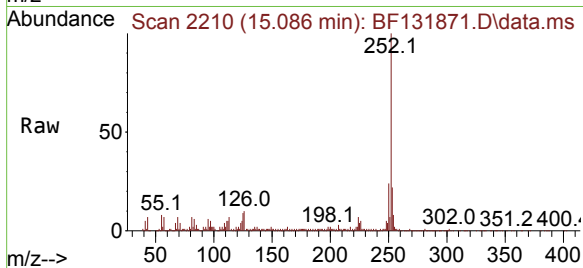
Tgt Ion:252 Resp: 249209

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 9.1 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 17.082 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF131871.D

Acq: 28 Dec 2022 20:39

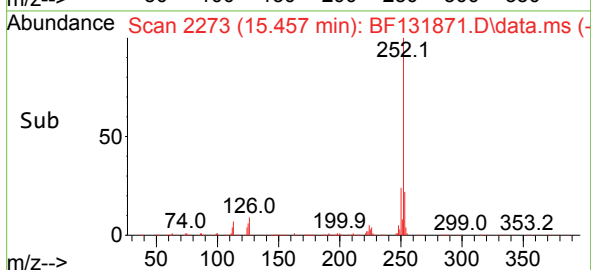
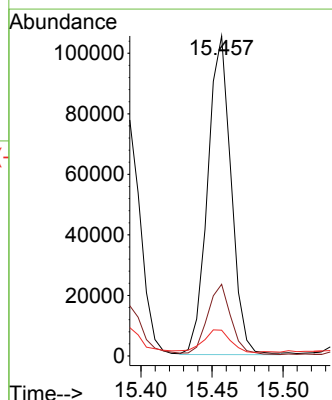
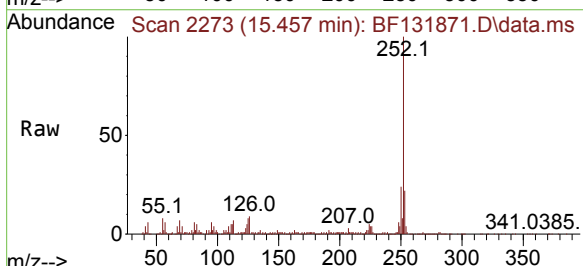
Tgt Ion:252 Resp: 120701

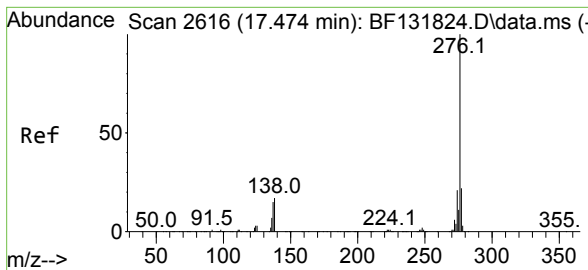
Ion Ratio Lower Upper

252 100

253 22.4 16.6 24.8

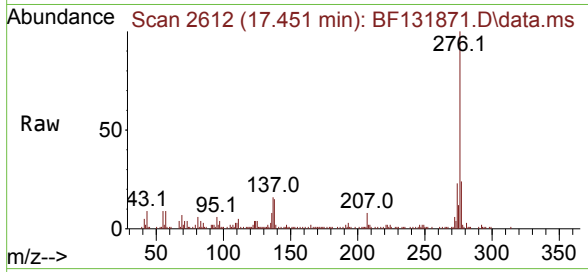
125 8.1 5.8 8.8





#92
 Benzo(g,h,i)perylene
 Concen: 12.364 ng
 RT: 17.451 min Scan# 20
 Delta R.T. -0.023 min
 Lab File: BF131871.D
 Acq: 28 Dec 2022 20:39

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26223



Tgt Ion:	276	Resp:	61210
Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	15.4	13.7	20.5

