

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100522\
 Data File : BF130544.D
 Acq On : 05 Oct 2022 22:48
 Operator : CG\JU
 Sample : N4988-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-5-100422

Quant Time: Oct 06 01:14:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 06 01:07:05 2022
 Response via : Initial Calibration

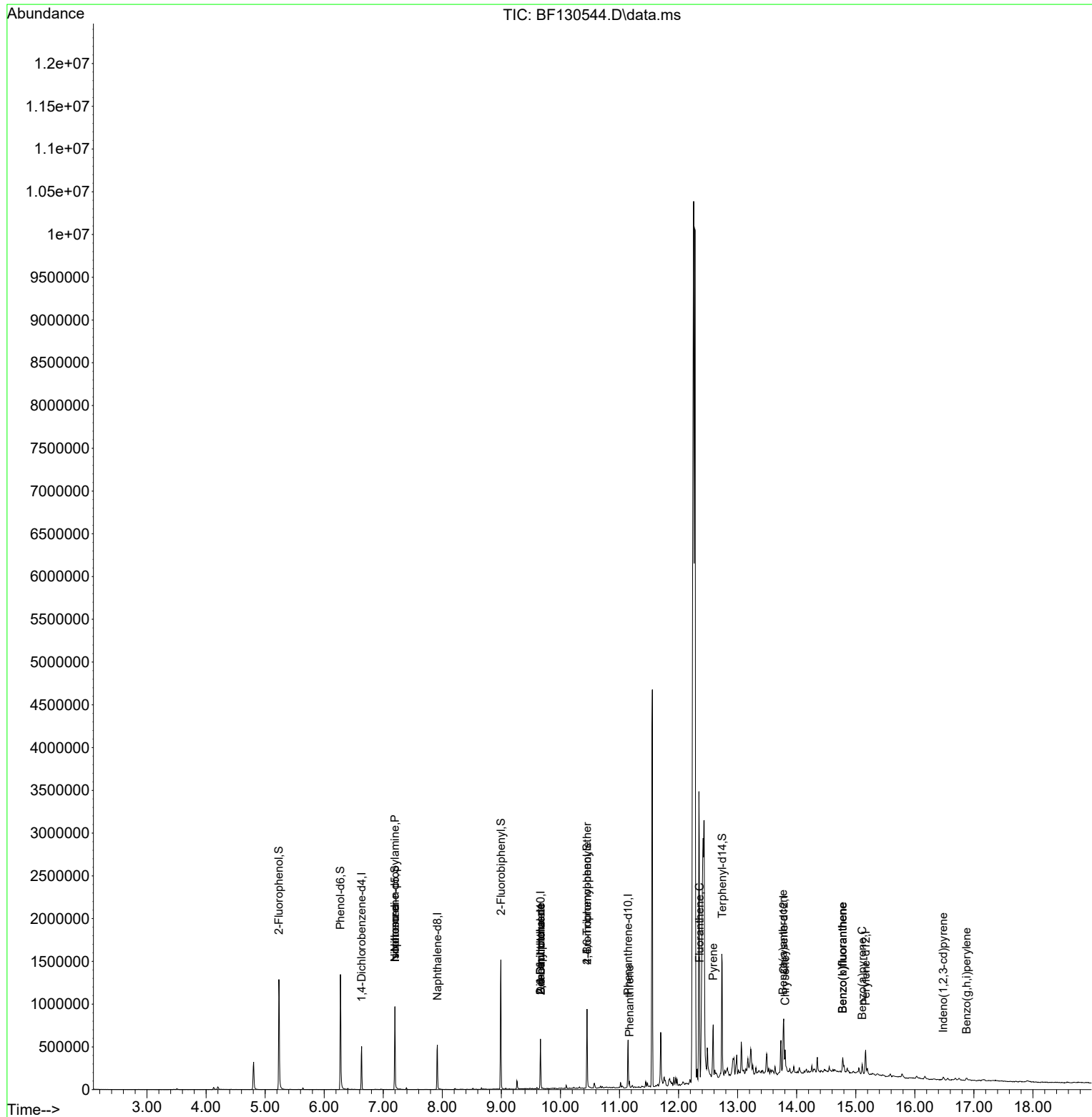
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.633	152	67916	20.000	ng	0.00
21) Naphthalene-d8	7.916	136	234005	20.000	ng	# 0.00
39) Acenaphthene-d10	9.663	164	102257	20.000	ng	0.00
64) Phenanthrene-d10	11.145	188	189275	20.000	ng	0.00
76) Chrysene-d12	13.780	240	176971	20.000	ng	0.00
86) Perylene-d12	15.168	264	121449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	373377	95.354	ng	0.00
7) Phenol-d6	6.275	99	432090	88.192	ng	0.00
23) Nitrobenzene-d5	7.198	82	269656	58.872	ng	0.00
42) 2,4,6-Tribromophenol	10.451	330	99592	101.643	ng	0.00
45) 2-Fluorobiphenyl	8.992	172	426936	60.798	ng	0.00
79) Terphenyl-d14	12.739	244	486908	45.576	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.198	70	36992	11.189	ng	# 76
25) Isophorone	7.198	82	269652	36.526	ng	# 66
50) Dimethylphthalate	9.663	163	18302	2.591	ng	# 1
51) 2,6-Dinitrotoluene	9.663	165	13363	9.046	ng	# 16
57) 2,4-Dinitrotoluene	9.663	165	13363	7.078	ng	# 16
67) 4-Bromophenyl-phenylether	10.451	248	5856	2.805	ng	# 1
71) Phenanthrene	11.169	178	24438	2.300	ng	99
75) Fluoranthene	12.357	202	231011	22.497	ng	98
78) Pyrene	12.586	202	222958	14.402	ng	99
81) Benzo(a)anthracene	13.768	228	113406	9.633	ng	99
83) Chrysene	13.804	228	84017	7.516	ng	98
87) Indeno(1,2,3-cd)pyrene	16.480	276	20086	2.332	ng	97
88) Benzo(b)fluoranthene	14.780	252	106913	13.487	ng	98
89) Benzo(k)fluoranthene	14.780	252	106913	13.711	ng	98
90) Benzo(a)pyrene	15.109	252	45373	7.225	ng	97
92) Benzo(g,h,i)perylene	16.874	276	17830	2.505	ng	97

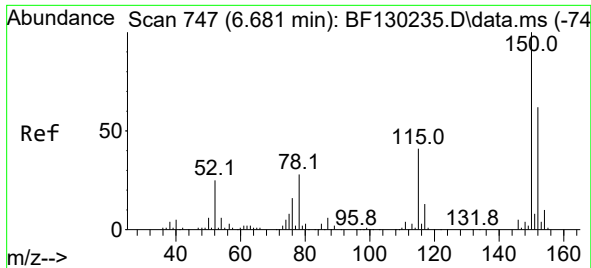
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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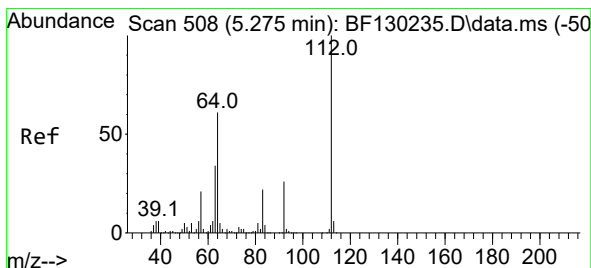
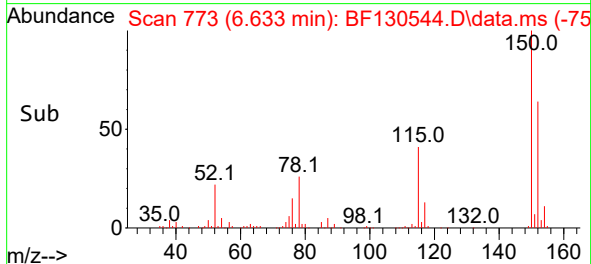
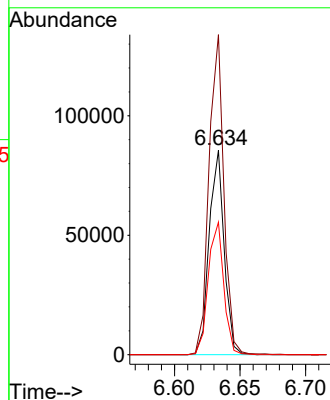
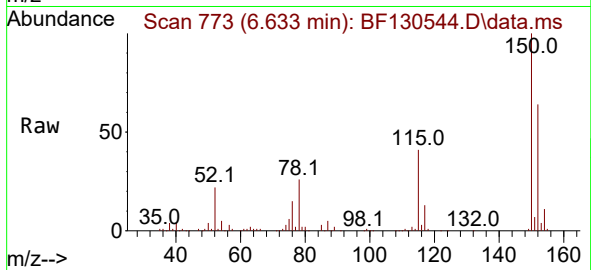




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.633 min Scan# 71
 Delta R.T. -0.001 min
 Lab File: BF130544.D
 Acq: 05 Oct 2022 22:48

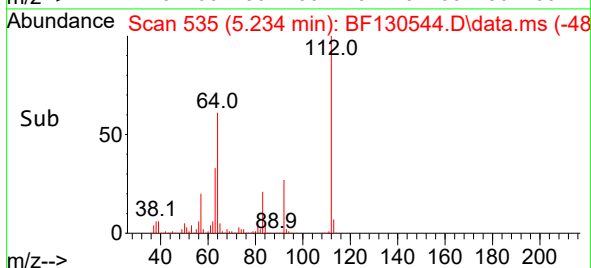
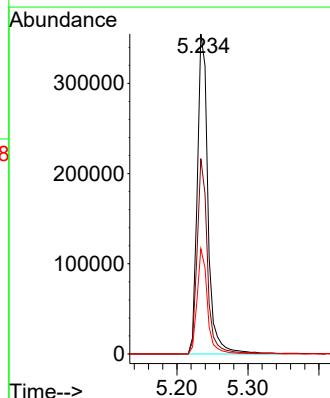
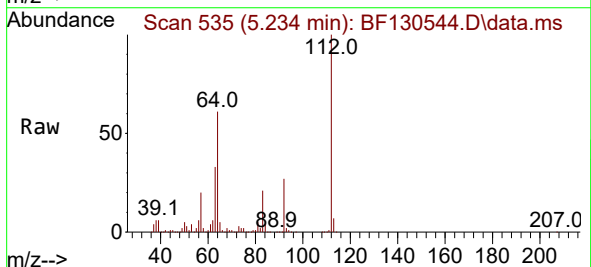
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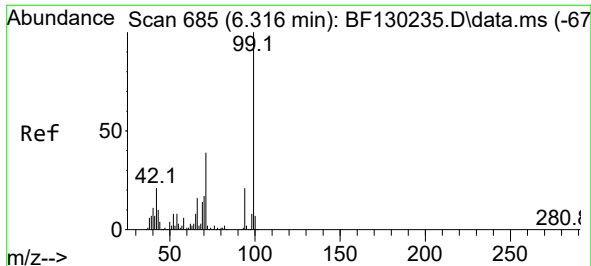
Tgt Ion:152 Resp: 67916
 Ion Ratio Lower Upper
 152 100
 150 156.6 122.8 184.2
 115 64.9 53.8 80.8



#5
 2-Fluorophenol
 Concen: 95.354 ng
 RT: 5.234 min Scan# 535
 Delta R.T. 0.006 min
 Lab File: BF130544.D
 Acq: 05 Oct 2022 22:48

Tgt Ion:112 Resp: 373377
 Ion Ratio Lower Upper
 112 100
 64 61.1 51.4 77.0
 63 32.9 28.8 43.2

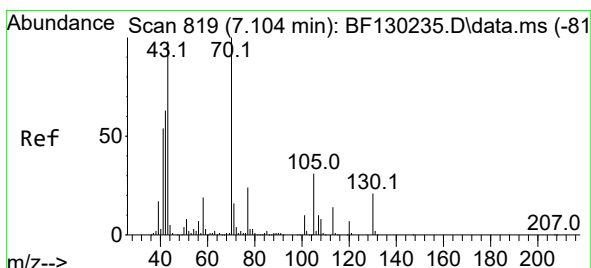
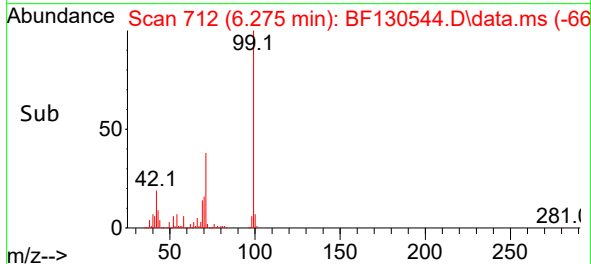
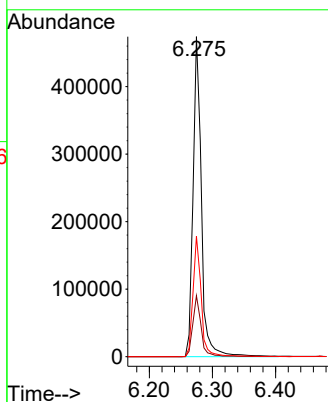
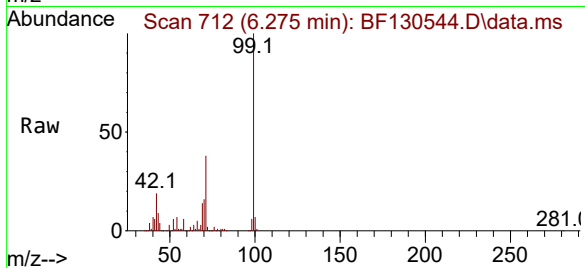




#7
Phenol-d6
Concen: 88.192 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

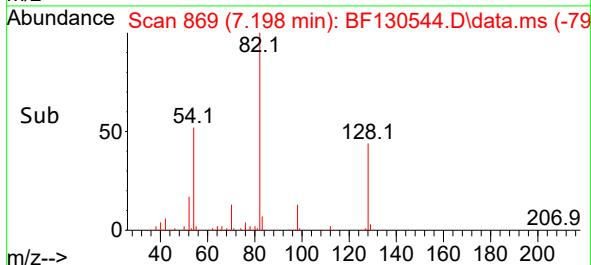
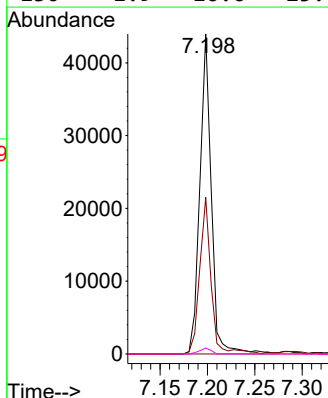
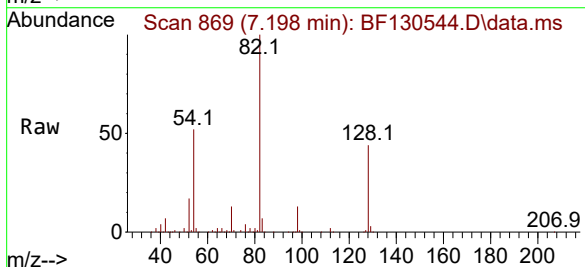
Instrument :
BNA_F
ClientSampleId :
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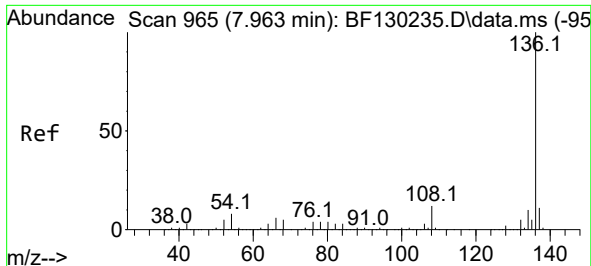
Tgt Ion: 99 Resp: 432090
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 37.7 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.189 ng
RT: 7.198 min Scan# 869
Delta R.T. 0.141 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion: 70 Resp: 36992
Ion Ratio Lower Upper
70 100
42 48.9 50.8 76.2#
101 0.0 8.2 12.4#
130 1.9 16.6 25.0#

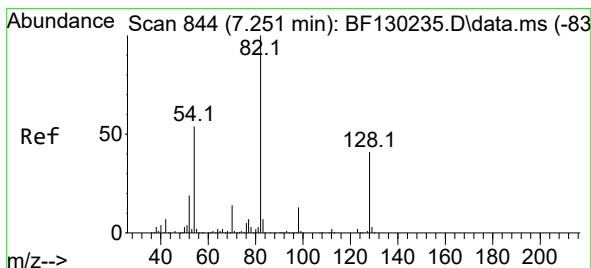
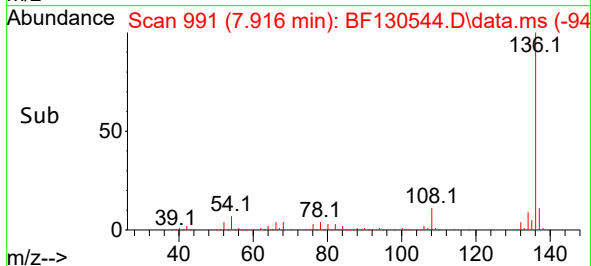
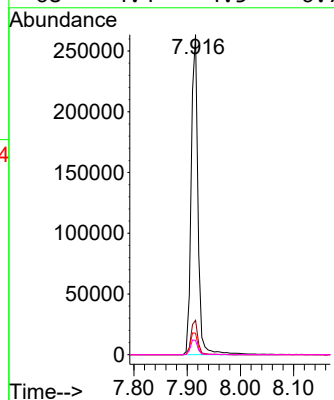
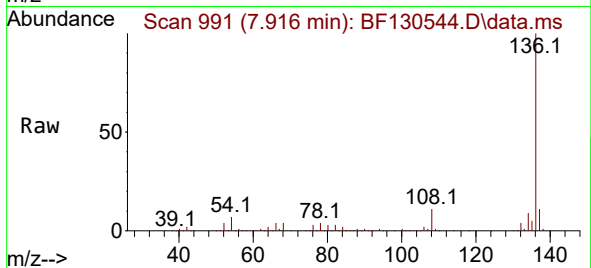




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

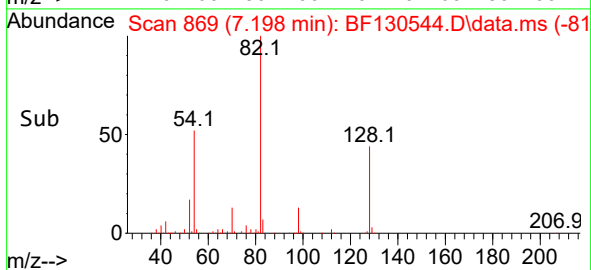
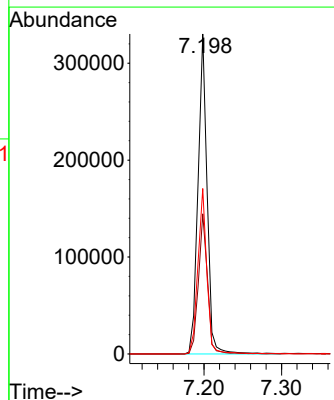
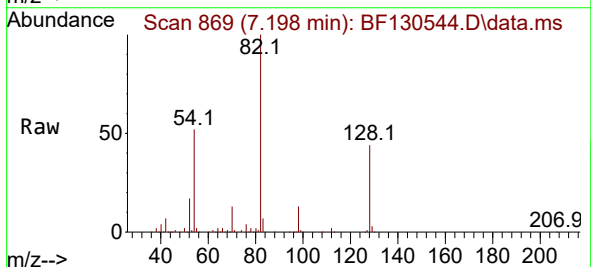
Instrument :
BNA_F
ClientSampleId :
AU-5-100422

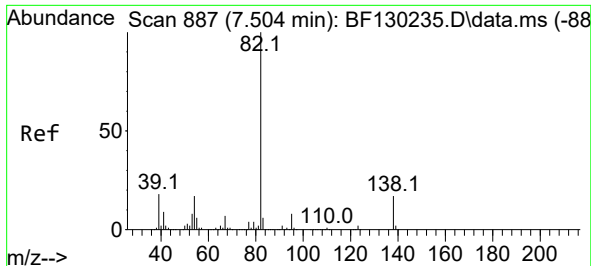
Tgt Ion:136 Resp: 234005
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.7 7.1 10.7#
68 4.4 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 58.872 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion: 82 Resp: 269656
Ion Ratio Lower Upper
82 100
128 43.8 32.6 49.0
54 51.7 43.8 65.6

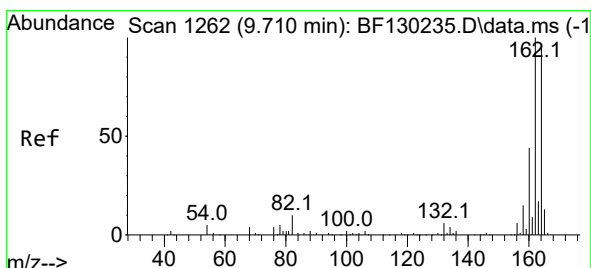
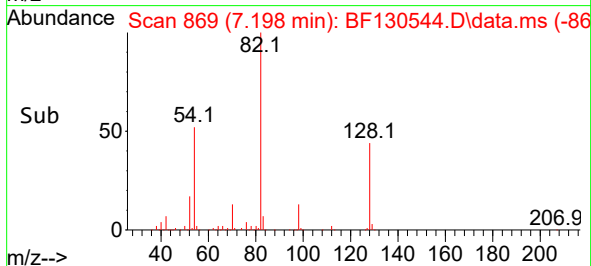
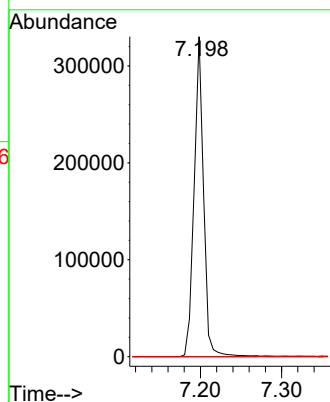
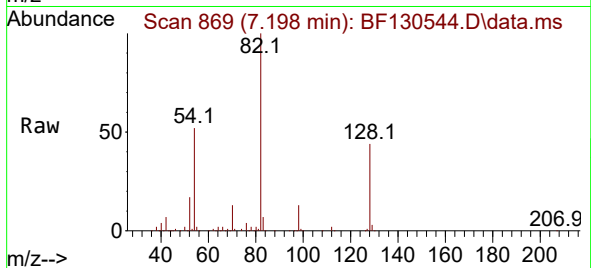




#25
Isophorone
Concen: 36.526 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

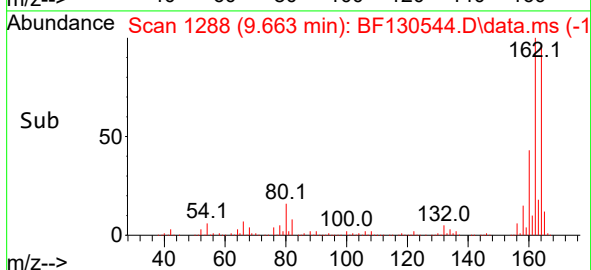
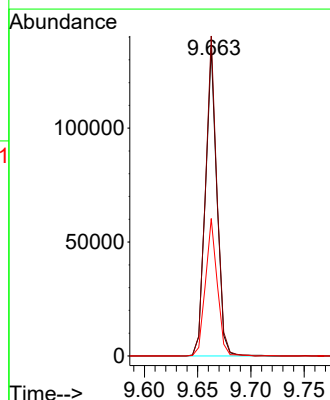
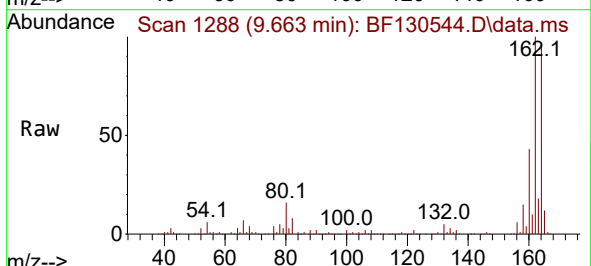
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AU-5-100422

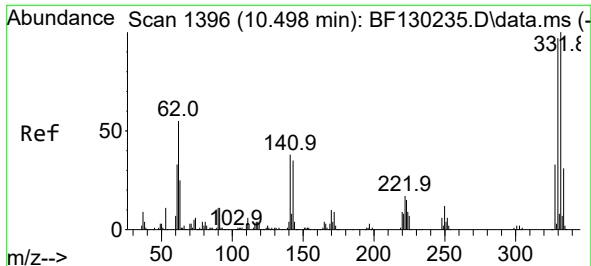
Tgt Ion: 82 Resp: 269652
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.663 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

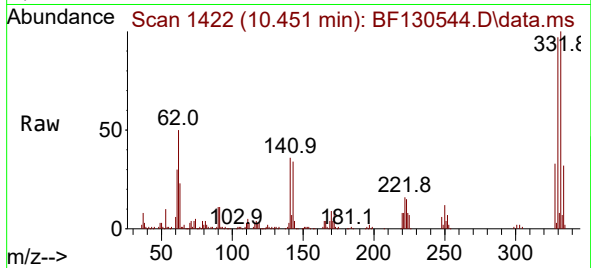
Tgt Ion: 164 Resp: 102257
Ion Ratio Lower Upper
164 100
162 103.8 81.4 122.0
160 44.6 36.2 54.4



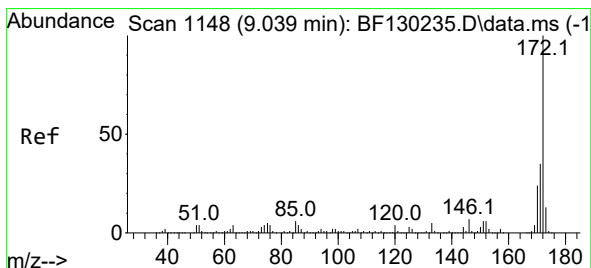
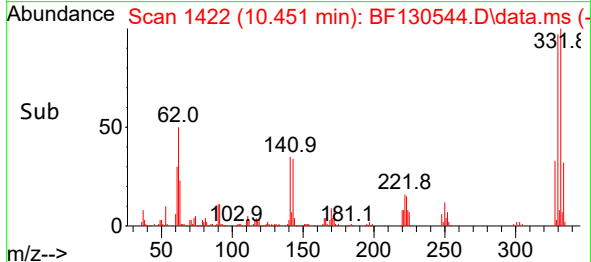
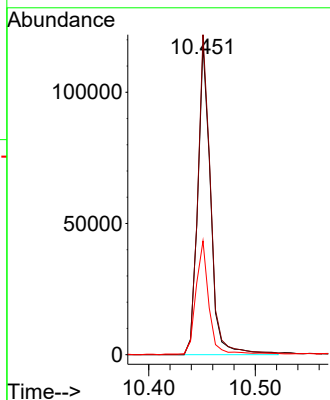


#42
2,4,6-Tribromophenol
Concen: 101.643 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Instrument :
BNA_F
ClientSampleId :
AU-5-100422

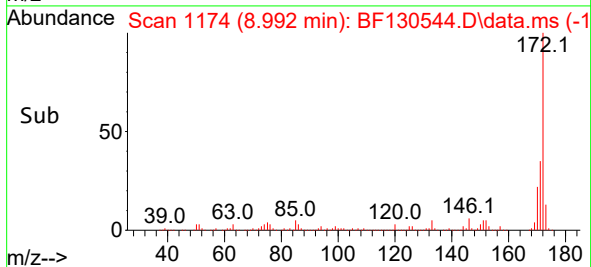
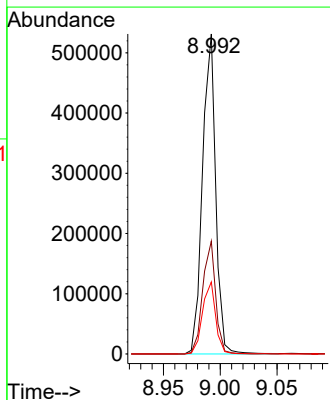
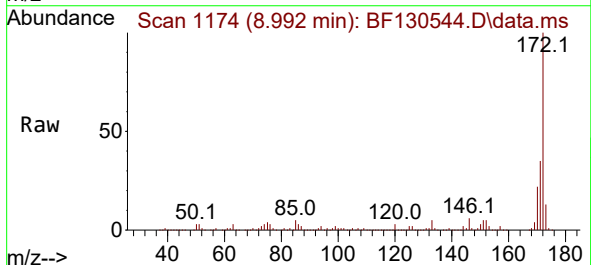


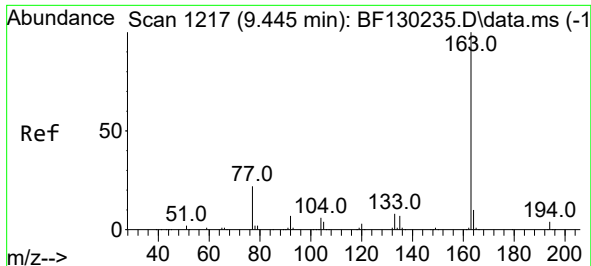
Tgt Ion:330 Resp: 99592
Ion Ratio Lower Upper
330 100
332 103.3 83.4 125.2
141 37.9 34.0 51.0



#45
2-Fluorobiphenyl
Concen: 60.798 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion:172 Resp: 426936
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.5 18.7 28.1





#50

Dimethylphthalate

Concen: 2.591 ng

RT: 9.663 min Scan# 1288

Delta R.T. 0.265 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

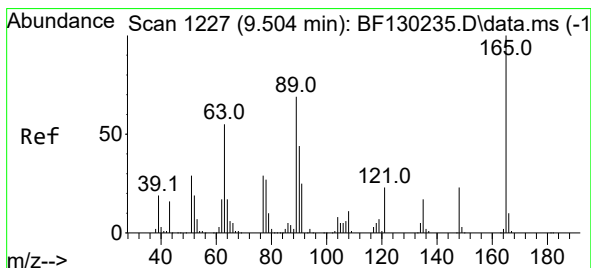
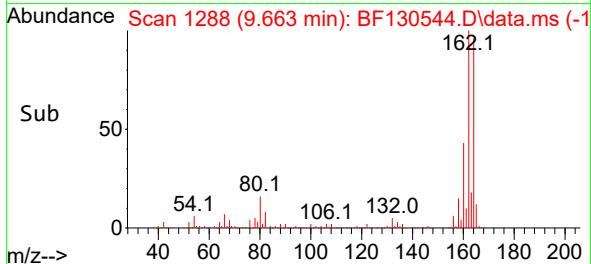
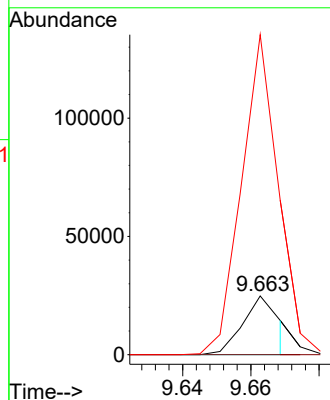
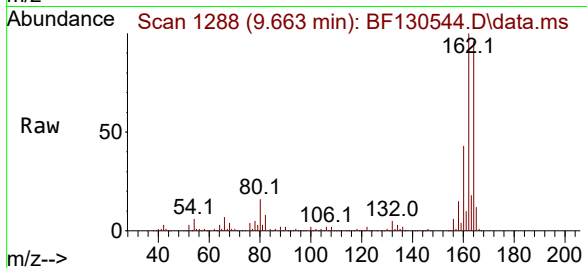
Tgt Ion:163 Resp: 18302

Ion Ratio Lower Upper

163 100

194 0.0 2.8 4.2#

164 545.2 8.2 12.2#



#51

2,6-Dinitrotoluene

Concen: 9.046 ng

RT: 9.663 min Scan# 1288

Delta R.T. 0.200 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

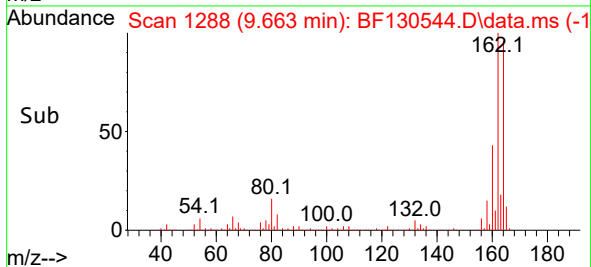
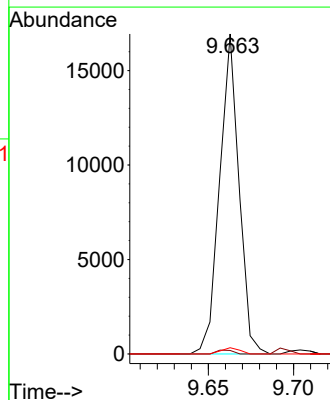
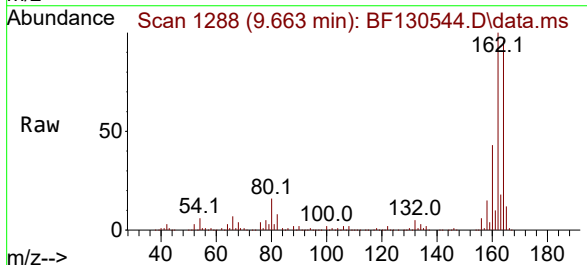
Tgt Ion:165 Resp: 13363

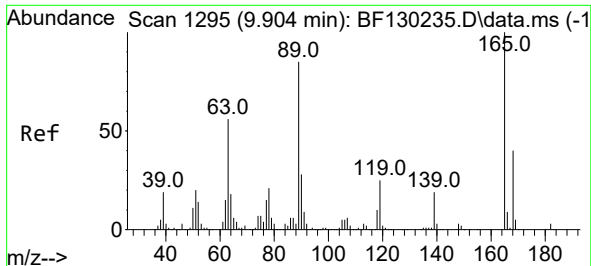
Ion Ratio Lower Upper

165 100

63 1.1 58.8 88.2#

89 1.9 54.5 81.7#

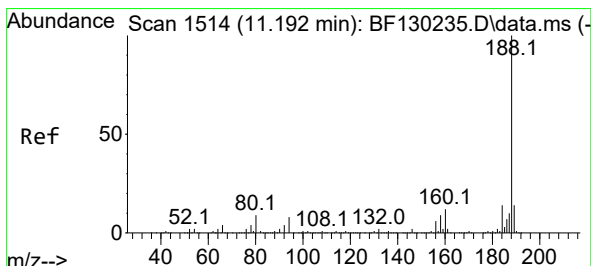
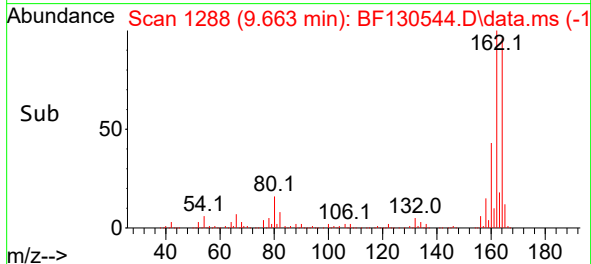
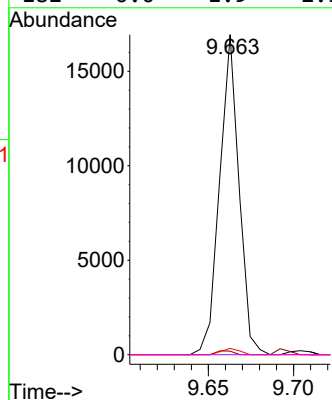
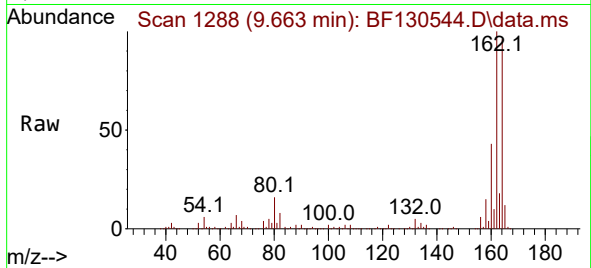




#57
2,4-Dinitrotoluene
Concen: 7.078 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

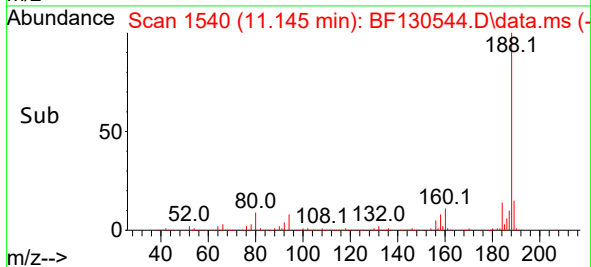
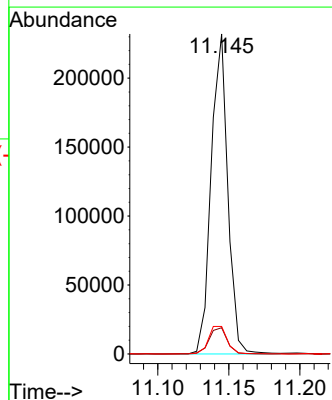
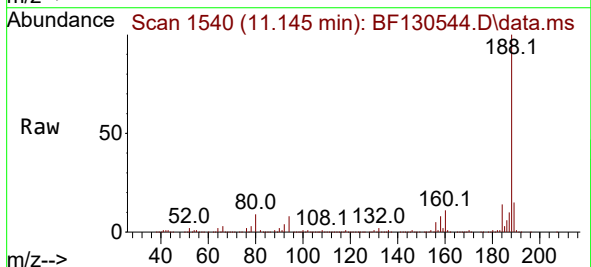
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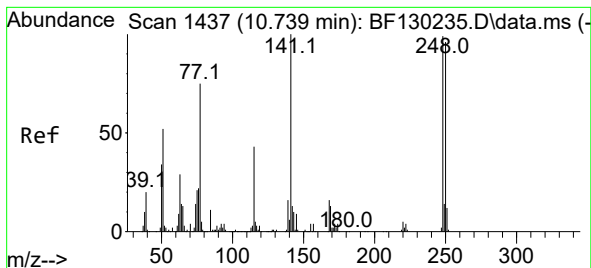
Tgt Ion:165 Resp: 13363
Ion Ratio Lower Upper
165 100
63 1.1 44.7 67.1#
89 1.9 69.0 103.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion:188 Resp: 189275
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.6 7.9 11.9

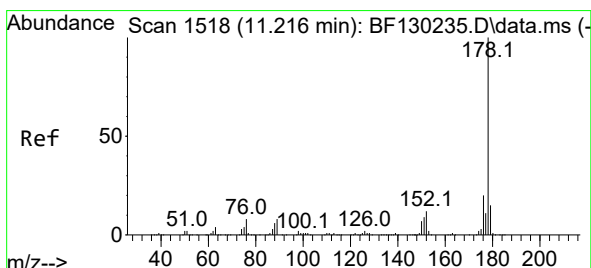
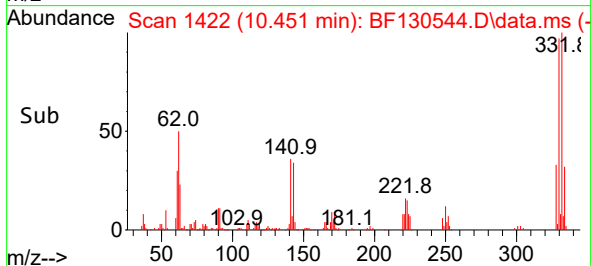
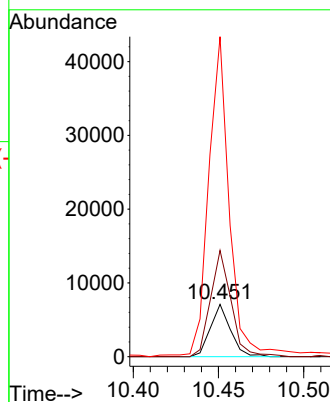
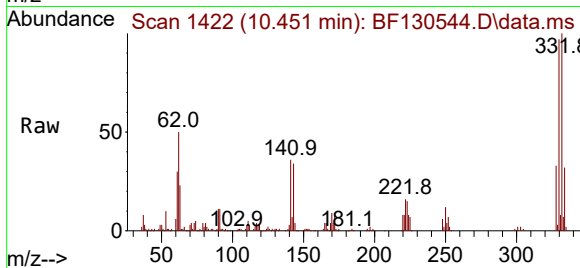




#67
4-Bromophenyl-phenylether
Concen: 2.805 ng
RT: 10.451 min Scan# 1437
Delta R.T. -0.247 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

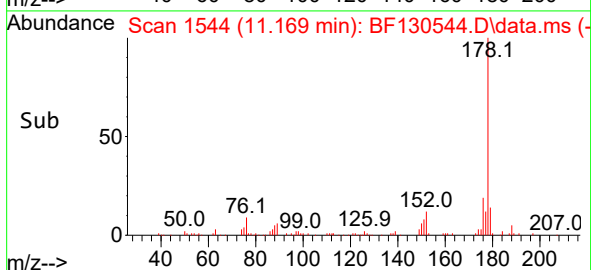
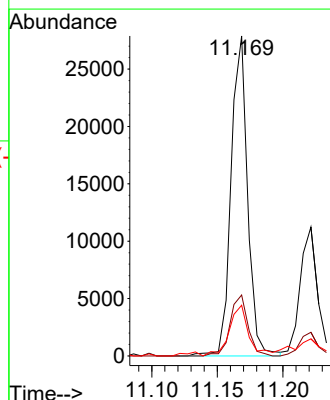
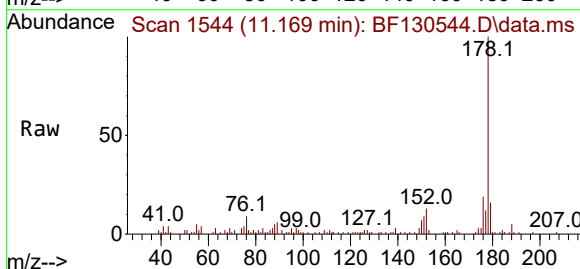
Instrument :
BNA_F
ClientSampleId :
AU-5-100422

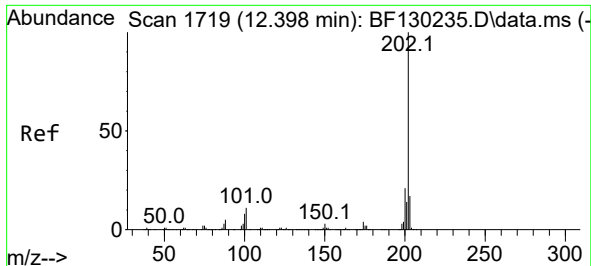
Tgt Ion:248 Resp: 5856
Ion Ratio Lower Upper
248 100
250 202.9 80.0 120.0#
141 611.1 68.5 102.7#



#71
Phenanthrene
Concen: 2.300 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion:178 Resp: 24438
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.9 12.4 18.6

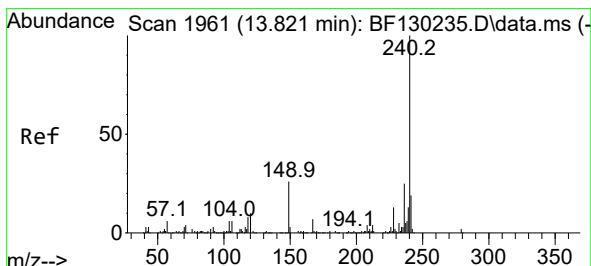
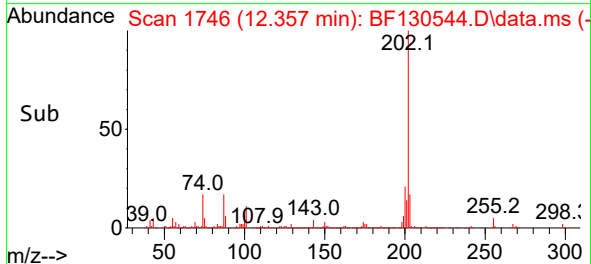
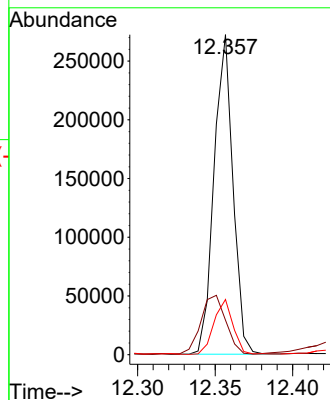
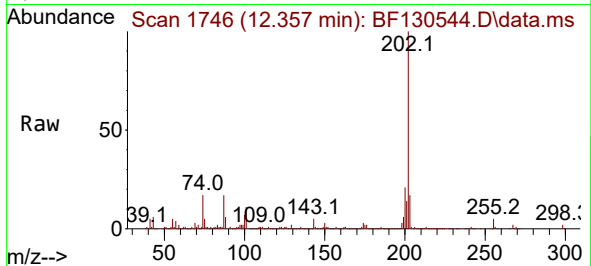




#75
Fluoranthene
Concen: 22.497 ng
RT: 12.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

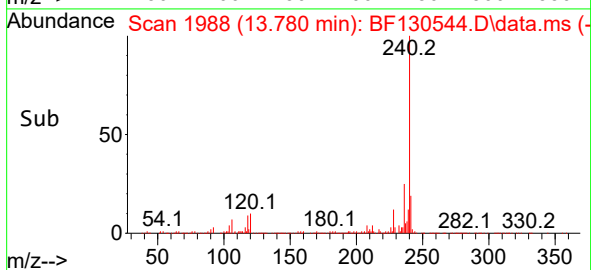
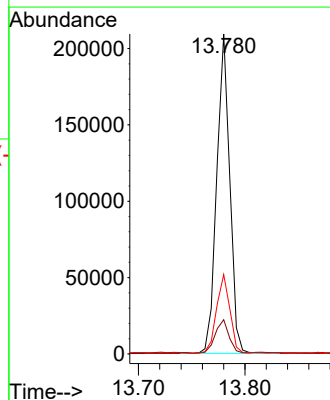
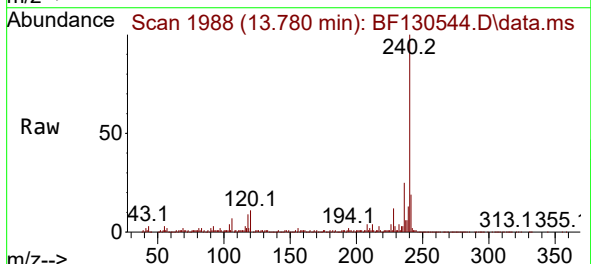
Instrument :
BNA_F
ClientSampleId :
AU-5-100422

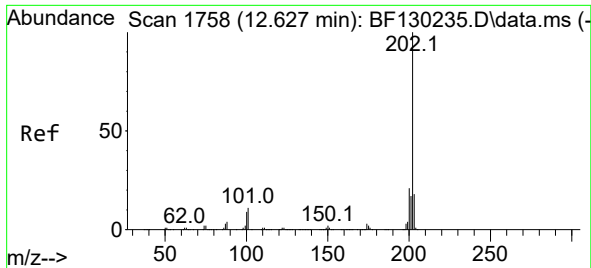
Tgt Ion:202 Resp: 231011
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.8
203 17.2 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1988
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion:240 Resp: 176971
Ion Ratio Lower Upper
240 100
120 10.7 8.7 13.1
236 24.8 20.9 31.3

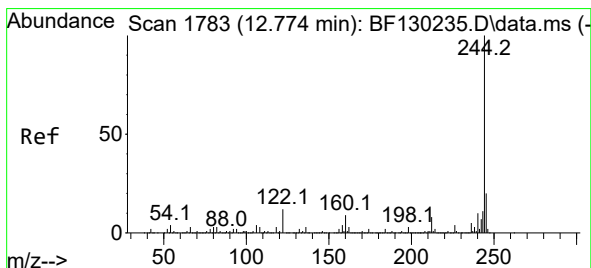
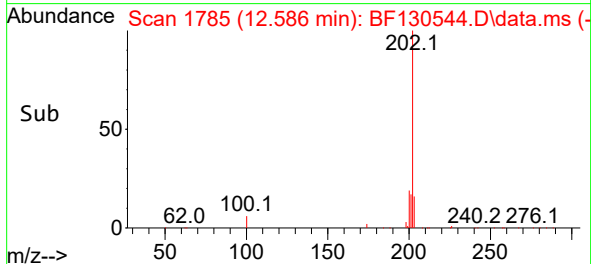
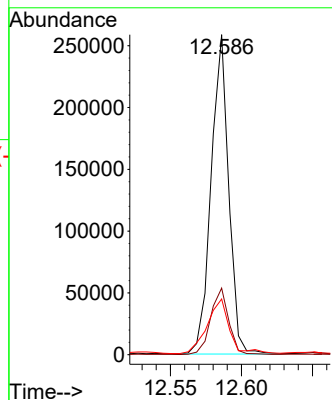
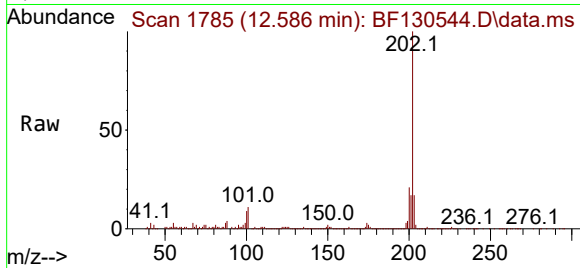




#78
Pyrene
Concen: 14.402 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

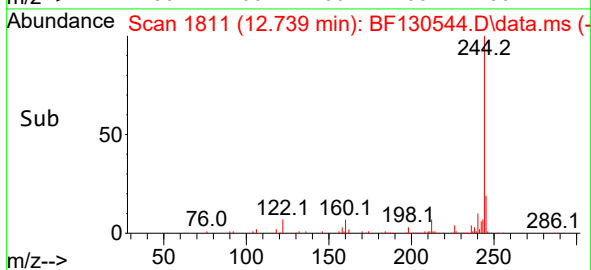
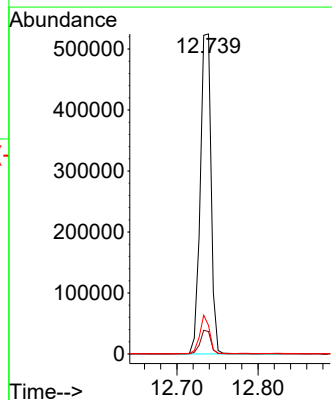
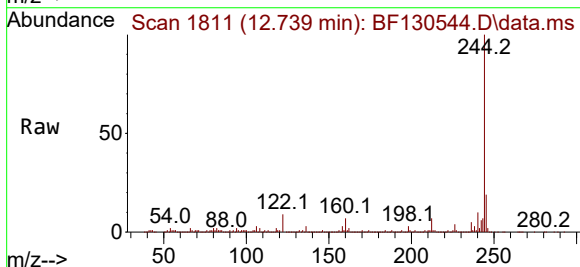
Instrument :
BNA_F
ClientSampleId :
AU-5-100422

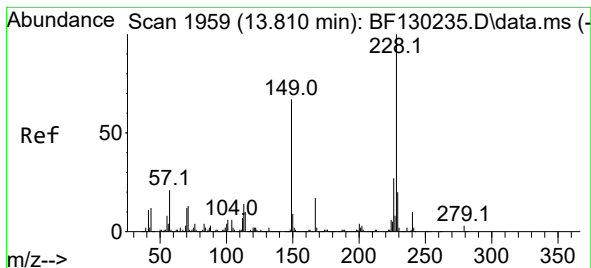
Tgt Ion:202 Resp: 222958
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.4 14.3 21.5



#79
Terphenyl-d14
Concen: 45.576 ng
RT: 12.739 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF130544.D
Acq: 05 Oct 2022 22:48

Tgt Ion:244 Resp: 486908
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 8.9 8.5 12.7





#81

Benzo(a)anthracene

Concen: 9.633 ng

RT: 13.768 min Scan# 1959

Delta R.T. -0.000 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

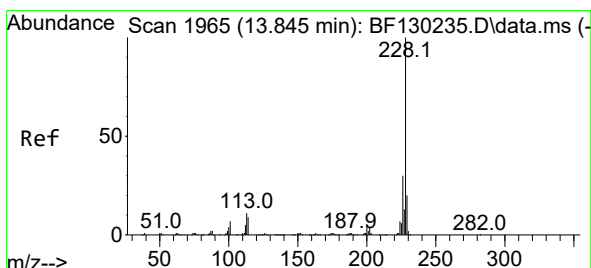
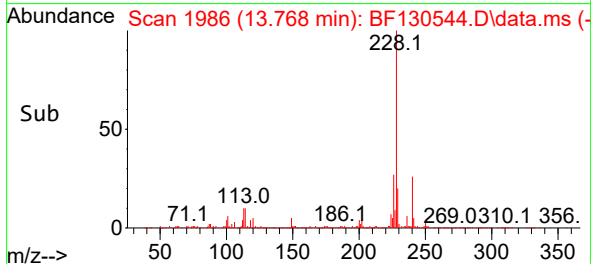
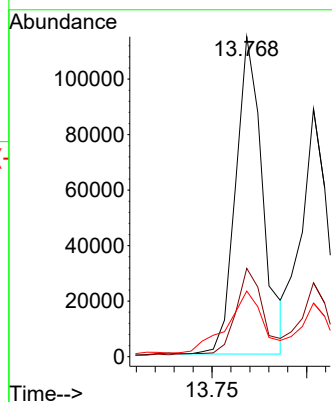
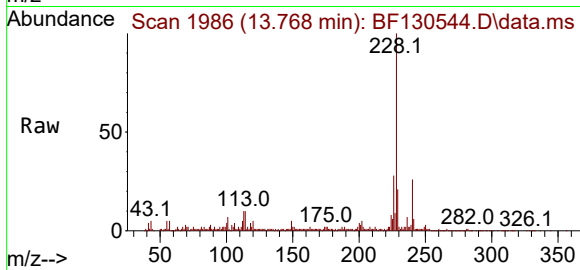
Tgt Ion:228 Resp: 113406

Ion Ratio Lower Upper

228 100

226 27.6 21.9 32.9

229 20.5 16.1 24.1



#83

Chrysene

Concen: 7.516 ng

RT: 13.804 min Scan# 1992

Delta R.T. -0.000 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

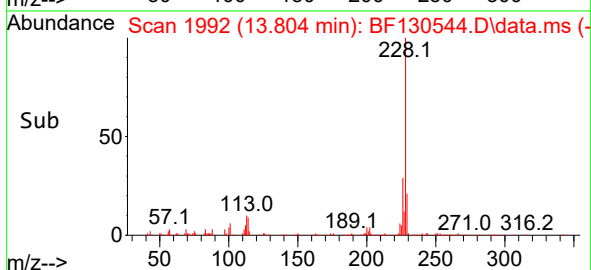
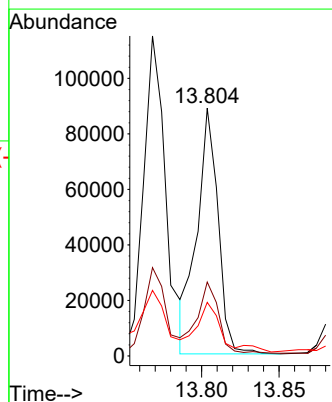
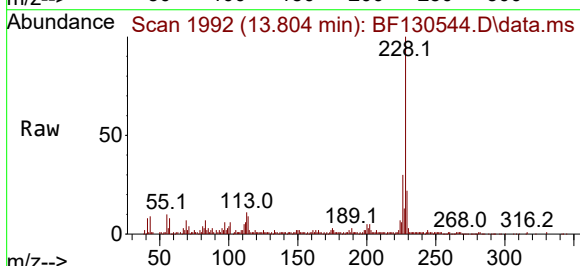
Tgt Ion:228 Resp: 84017

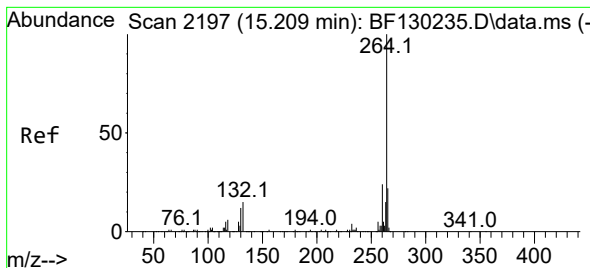
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 21.6 15.3 22.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.168 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

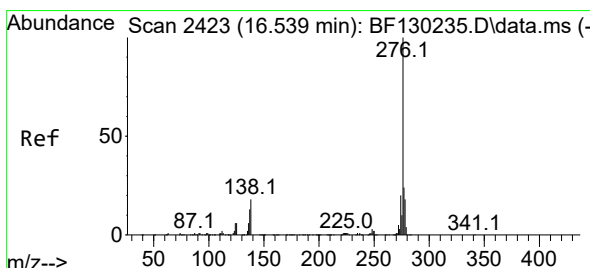
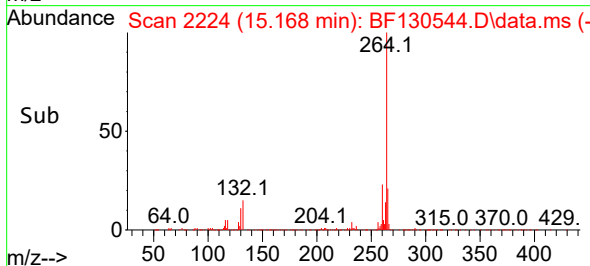
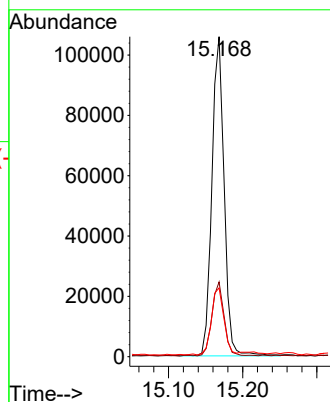
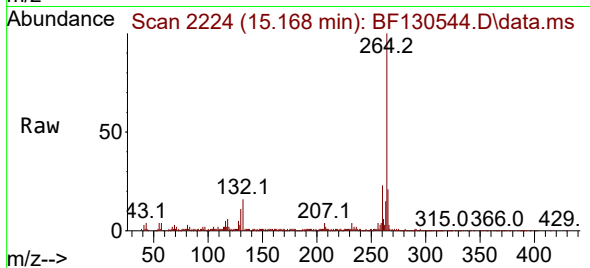
Tgt Ion:264 Resp: 121449

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.332 ng

RT: 16.480 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

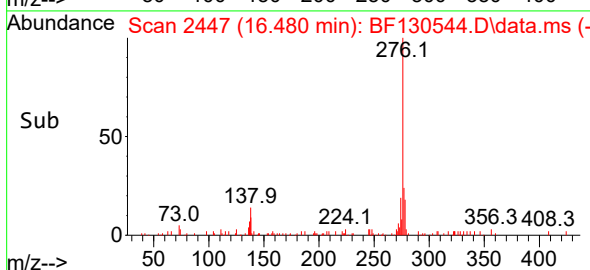
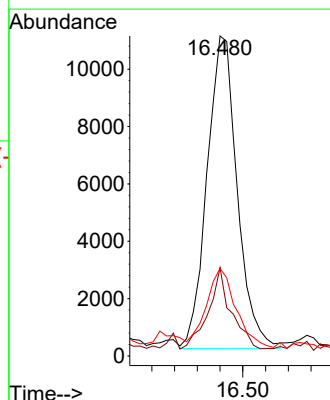
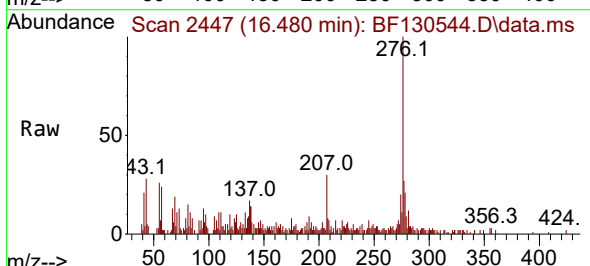
Tgt Ion:276 Resp: 20086

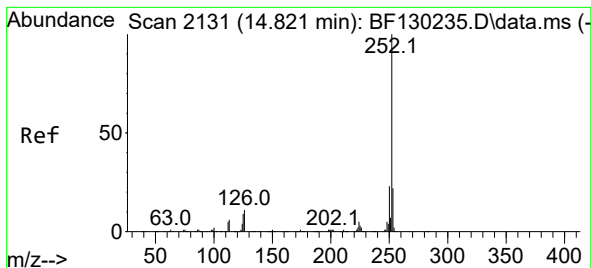
Ion Ratio Lower Upper

276 100

138 20.3 18.5 27.7

277 25.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 13.487 ng

RT: 14.780 min Scan# 2158

Delta R.T. 0.006 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

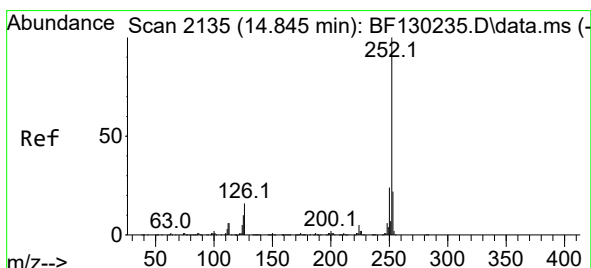
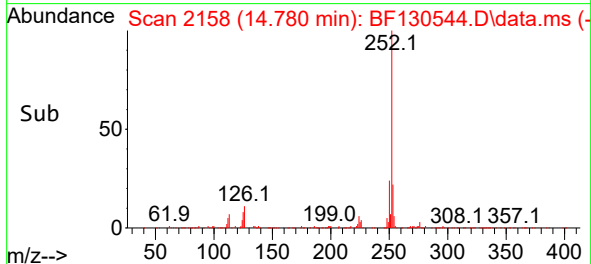
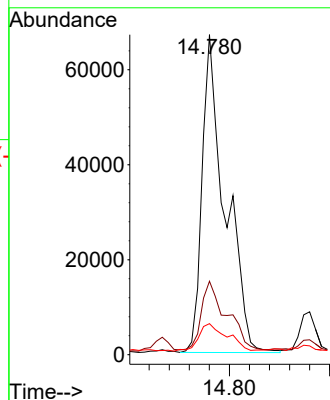
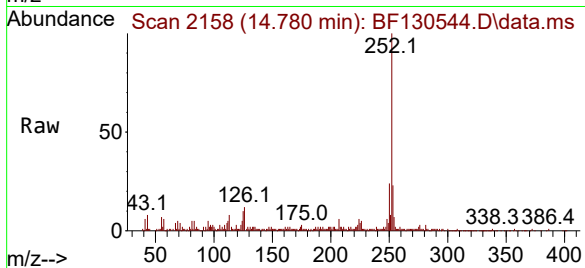
Tgt Ion:252 Resp: 106913

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 9.7 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 13.711 ng

RT: 14.780 min Scan# 2158

Delta R.T. -0.024 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

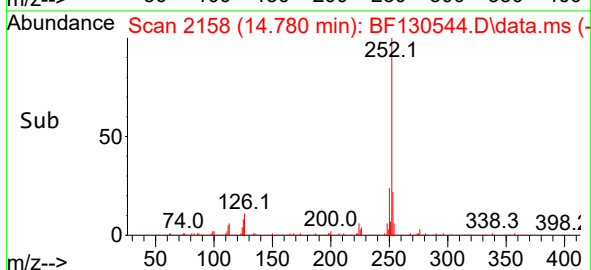
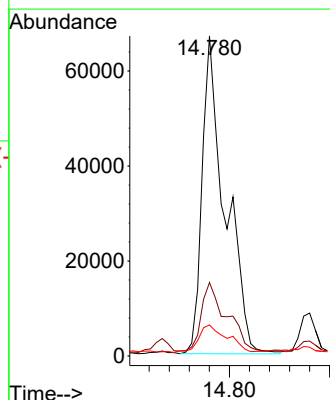
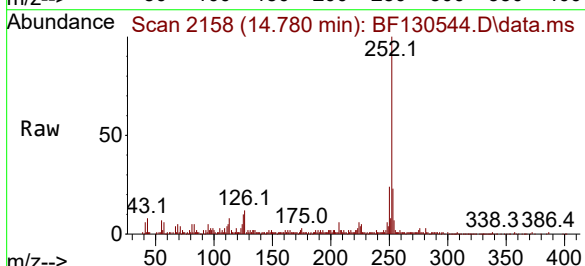
Tgt Ion:252 Resp: 106913

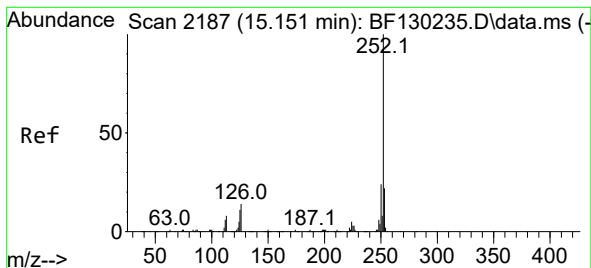
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.2

125 9.7 7.9 11.9





#90

Benzo(a)pyrene

Concen: 7.225 ng

RT: 15.109 min Scan# 2187

Delta R.T. 0.006 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Instrument :

BNA_F

ClientSampleId :

AU-5-100422

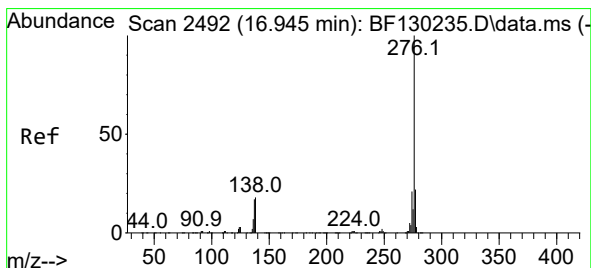
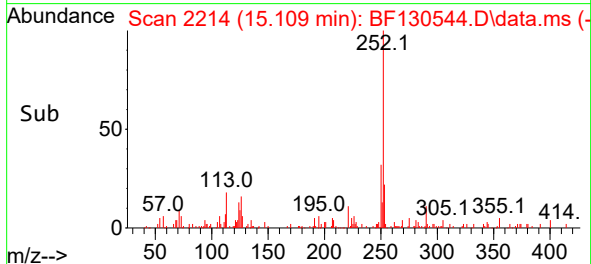
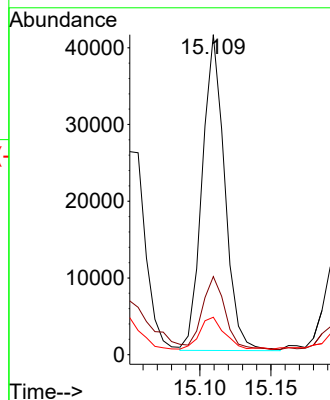
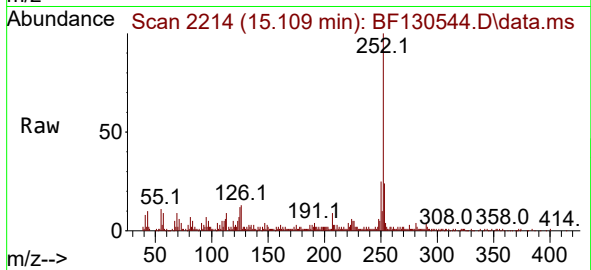
Tgt Ion:252 Resp: 45373

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.6

125 11.7 9.0 13.6



#92

Benzo(g,h,i)perylene

Concen: 2.505 ng

RT: 16.874 min Scan# 2514

Delta R.T. -0.000 min

Lab File: BF130544.D

Acq: 05 Oct 2022 22:48

Tgt Ion:276 Resp: 17830

Ion Ratio Lower Upper

276 100

277 24.6 18.6 27.8

138 16.9 14.6 21.8

