

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132983.D
 Acq On : 21 Apr 2023 22:37
 Operator : CG\JU
 Sample : 02389-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-4WC-23-04-17

Quant Time: Apr 22 04:31:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

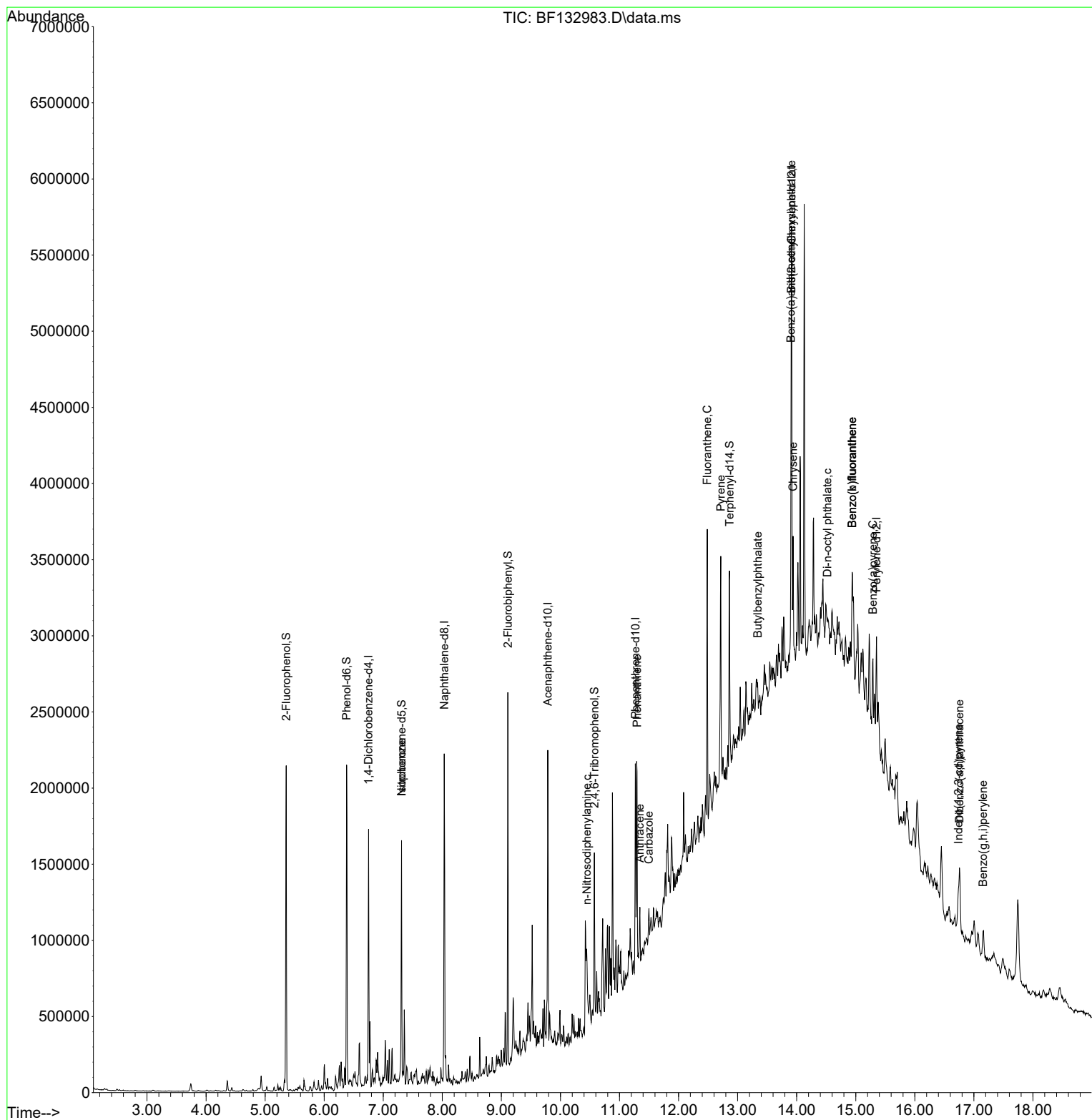
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	206310	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	782614	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	347553	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	511715	20.000	ng	0.00
76) Chrysene-d12	13.916	240	323601	20.000	ng	0.00
86) Perylene-d12	15.351	264	296000	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	547068	40.057	ng	0.00
7) Phenol-d6	6.381	99	659033	38.877	ng	0.00
23) Nitrobenzene-d5	7.310	82	385697	26.602	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	102028	29.190	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	633025	30.472	ng	0.00
79) Terphenyl-d14	12.863	244	457633	24.390	ng	0.00
Target Compounds						
9) Benzaldehyde	6.293	77	5846	Below Cal		88
25) Isophorone	7.310	82	383507	13.931 ng	#	63
66) n-Nitrosodiphenylamine	10.445	169	58450	3.521 ng		92
71) Phenanthrene	11.298	178	490305	17.827 ng		100
72) Anthracene	11.345	178	125244	4.450 ng		98
73) Carbazole	11.498	167	61431	2.451 ng	#	95
75) Fluoranthene	12.486	202	744526	26.973 ng		98
78) Pyrene	12.716	202	661200	23.836 ng		99
80) Butylbenzylphthalate	13.339	149	23280	2.370 ng	#	70
81) Benzo(a)anthracene	13.904	228	321622	14.453 ng		97
83) Chrysene	13.939	228	318693	14.325 ng		96
84) Bis(2-ethylhexyl)phtha...	13.910	149	622170	50.466 ng		100
85) Di-n-octyl phthalate	14.521	149	63982	3.183 ng	#	30
87) Indeno(1,2,3-cd)pyrene	16.739	276	152467	9.055 ng		96
88) Benzo(b)fluoranthene	14.939	252	498460	26.470 ng	#	89
89) Benzo(k)fluoranthene	14.939	252	498460	26.703 ng	#	90
90) Benzo(a)pyrene	15.292	252	229354	13.381 ng	#	90
91) Dibenzo(a,h)anthracene	16.757	278	42168	3.003 ng	#	56
92) Benzo(g,h,i)perylene	17.157	276	148442	10.707 ng		98

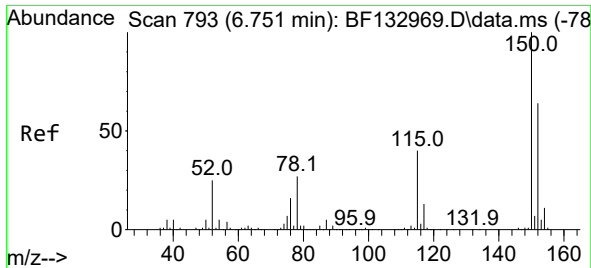
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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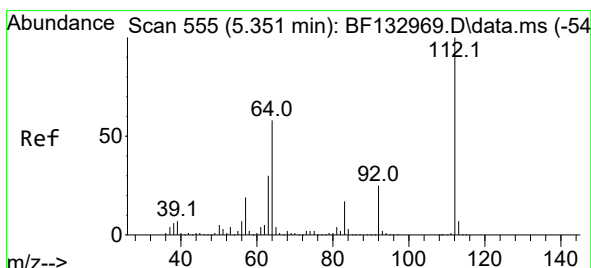
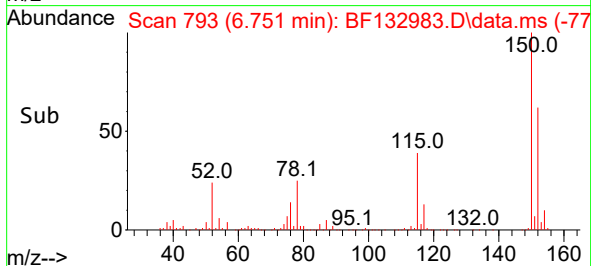
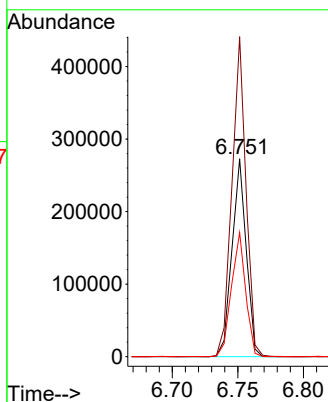
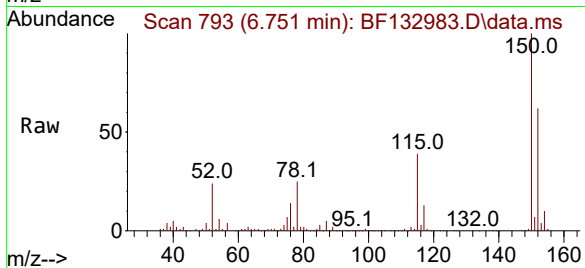




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.751 min Scan# 793
 Delta R.T. 0.000 min
 Lab File: BF132983.D
 Acq: 21 Apr 2023 22:37

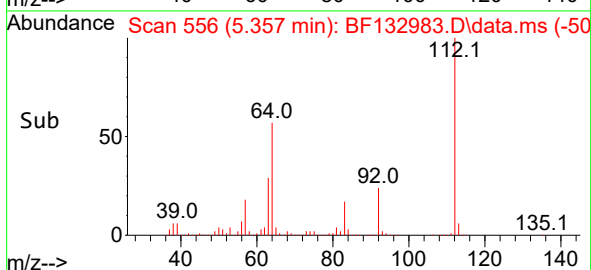
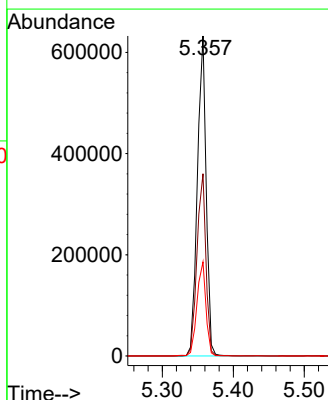
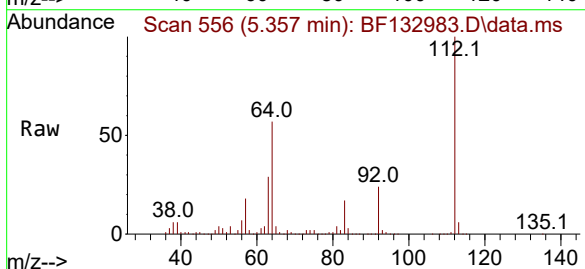
Instrument :
 BNA_F
 ClientSampleId :
 SPB-4WC-23-04-17

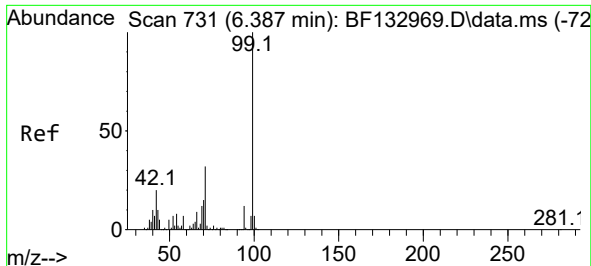
Tgt Ion:152 Resp: 206310
 Ion Ratio Lower Upper
 152 100
 150 161.6 124.8 187.2
 115 62.7 49.9 74.9



#5
 2-Fluorophenol
 Concen: 40.057 ng
 RT: 5.357 min Scan# 556
 Delta R.T. 0.006 min
 Lab File: BF132983.D
 Acq: 21 Apr 2023 22:37

Tgt Ion:112 Resp: 547068
 Ion Ratio Lower Upper
 112 100
 64 56.9 46.8 70.2
 63 29.4 23.8 35.8

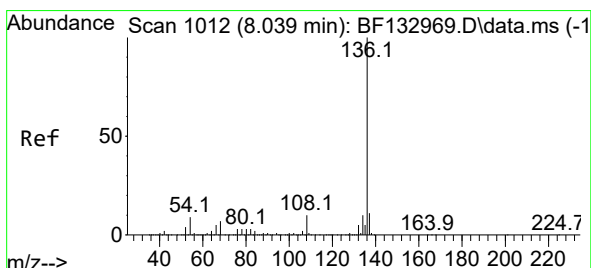
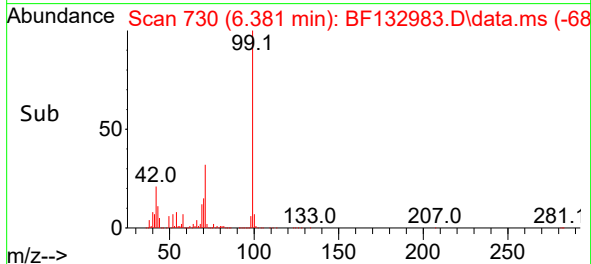
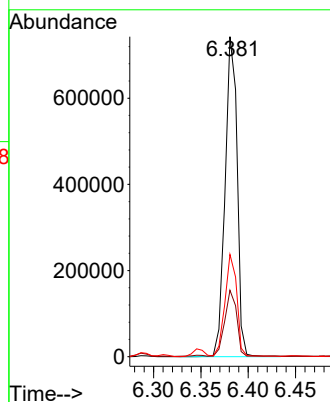
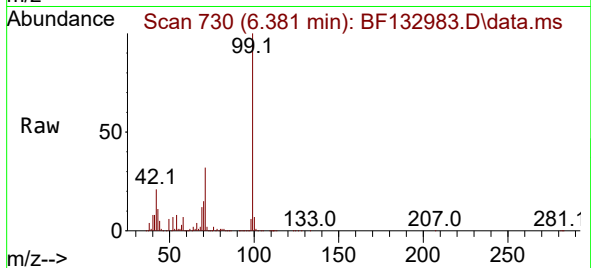




#7
Phenol-d6
Concen: 38.877 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

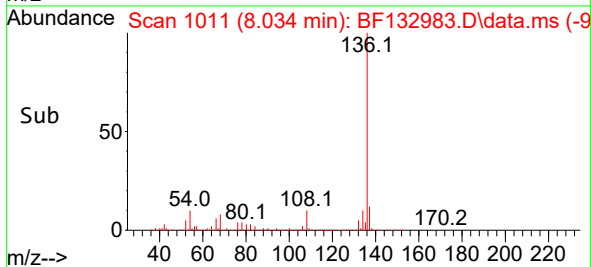
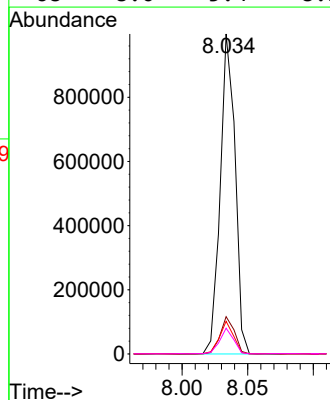
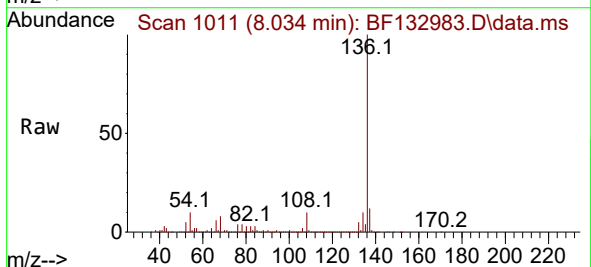
Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17

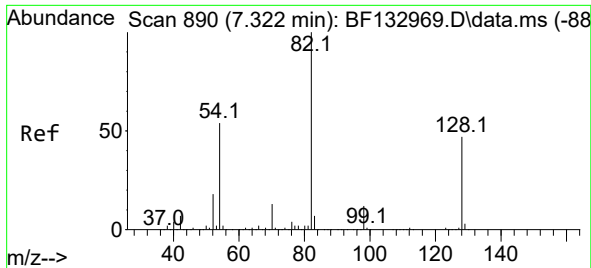
Tgt Ion: 99 Resp: 659033
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Tgt Ion: 136 Resp: 782614
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 10.2 7.0 10.4
68 8.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 26.602 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.012 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

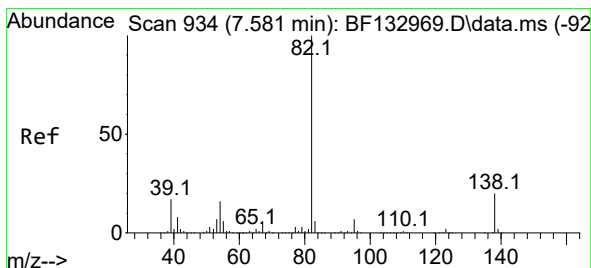
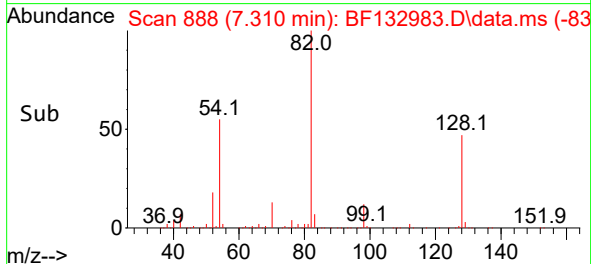
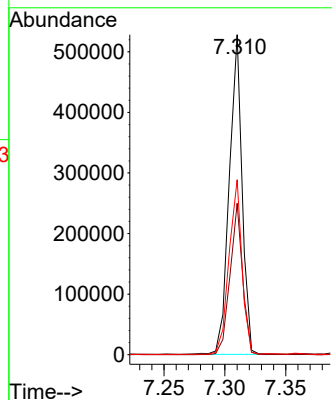
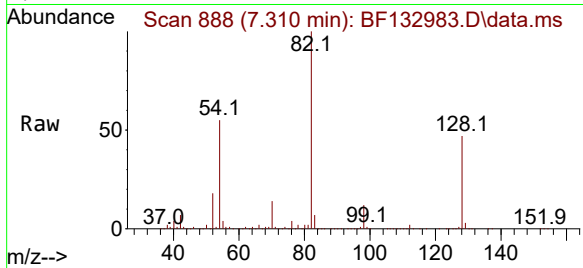
Tgt Ion: 82 Resp: 385697

Ion Ratio Lower Upper

82 100

128 47.3 37.7 56.5

54 54.7 43.0 64.4



#25

Isophorone

Concen: 13.931 ng

RT: 7.310 min Scan# 888

Delta R.T. -0.271 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

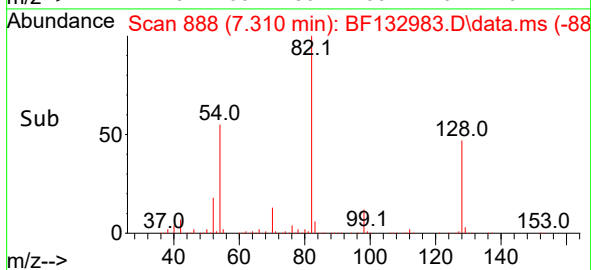
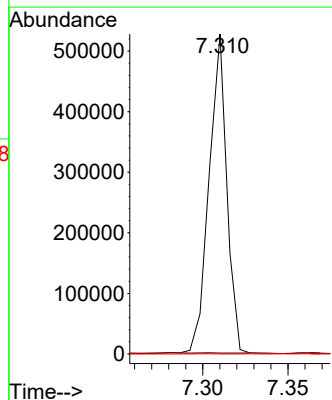
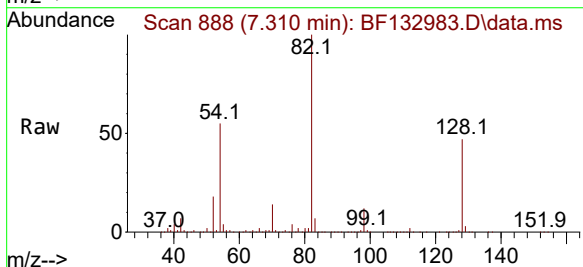
Tgt Ion: 82 Resp: 383507

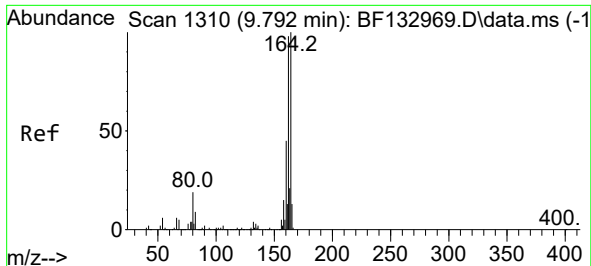
Ion Ratio Lower Upper

82 100

95 0.3 5.4 8.0#

138 0.0 16.0 24.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

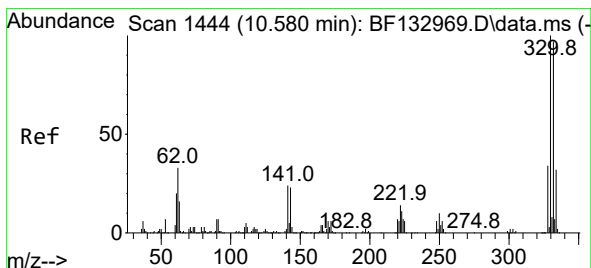
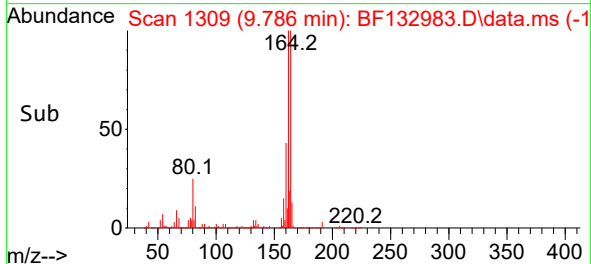
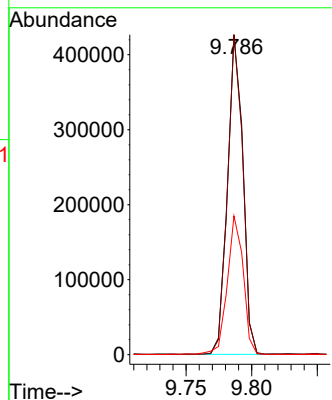
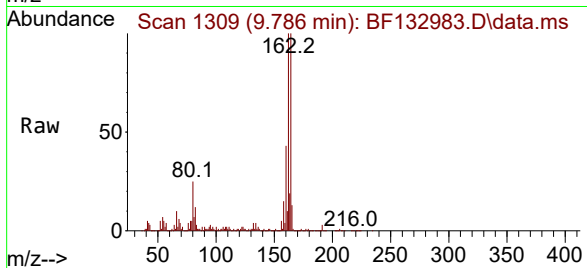
Tgt Ion:164 Resp: 347553

Ion Ratio Lower Upper

164 100

162 100.0 78.7 118.1

160 43.3 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 29.190 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

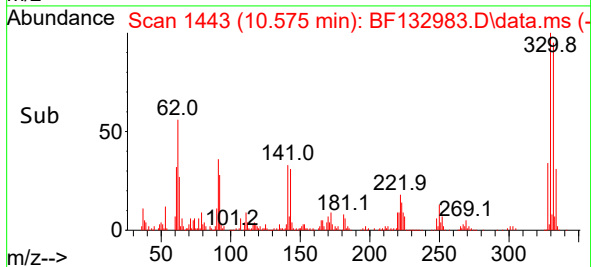
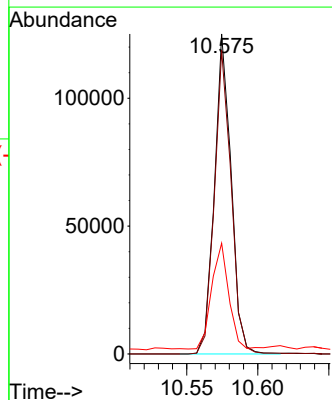
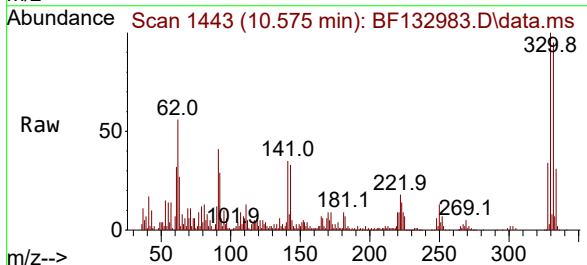
Tgt Ion:330 Resp: 102028

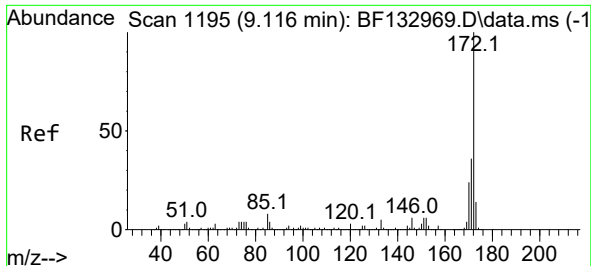
Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

141 33.9 25.8 38.8

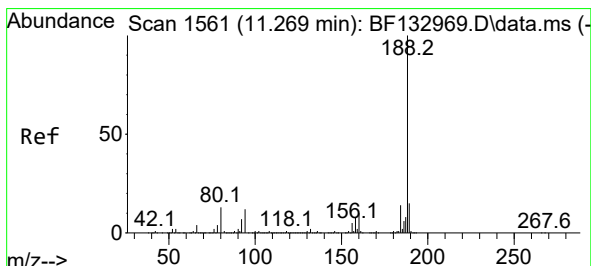
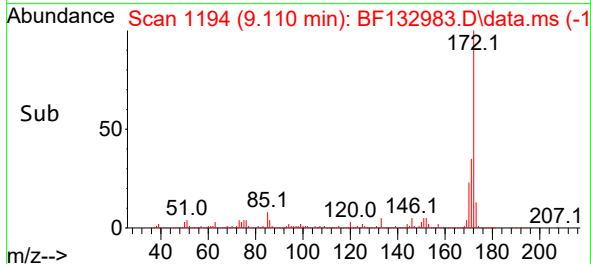
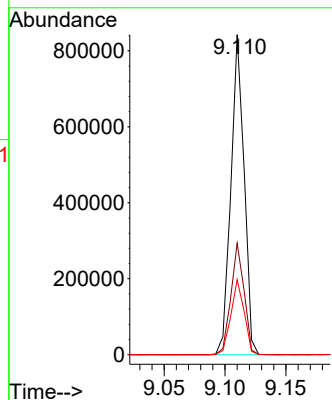
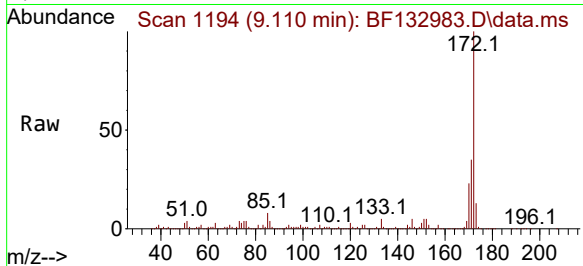




#45
2-Fluorobiphenyl
Concen: 30.472 ng
RT: 9.110 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

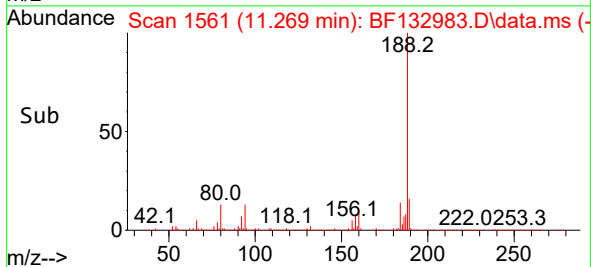
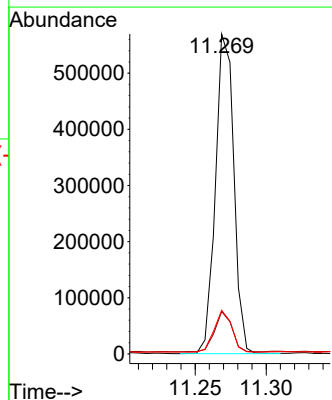
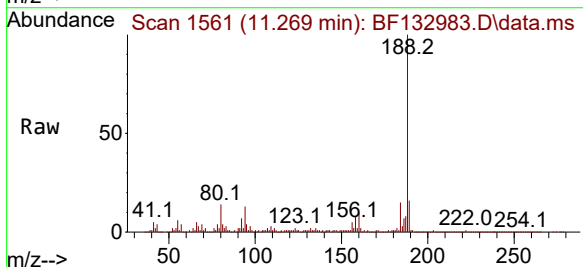
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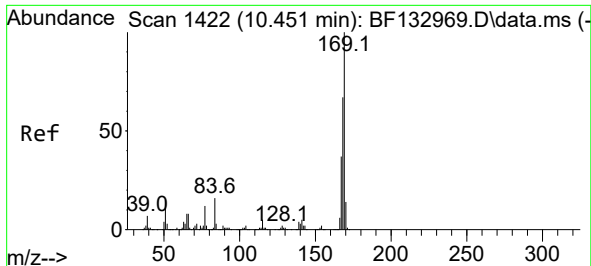
Tgt Ion:172 Resp: 633025
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.5 19.4 29.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Tgt Ion:188 Resp: 511715
Ion Ratio Lower Upper
188 100
94 13.3 9.7 14.5
80 13.7 10.4 15.6

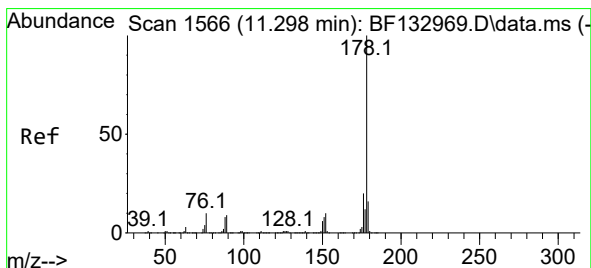
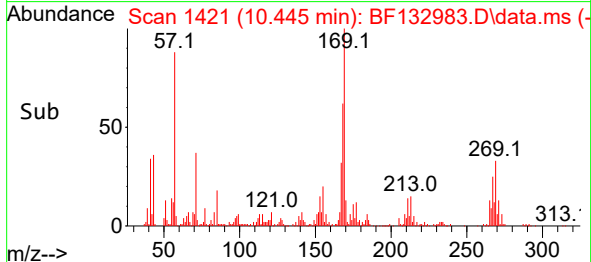
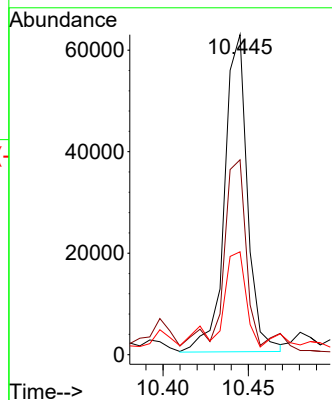
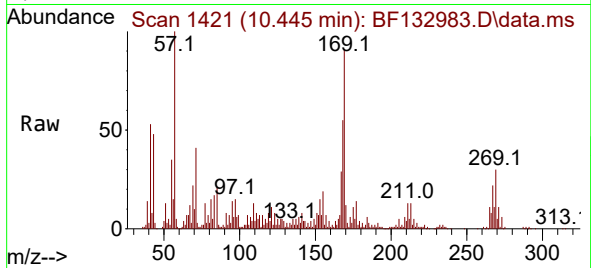




#66
n-Nitrosodiphenylamine
Concen: 3.521 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

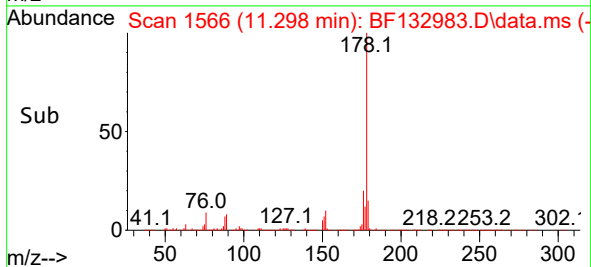
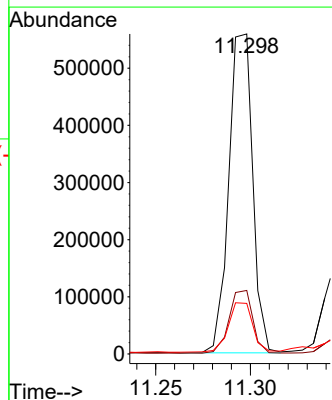
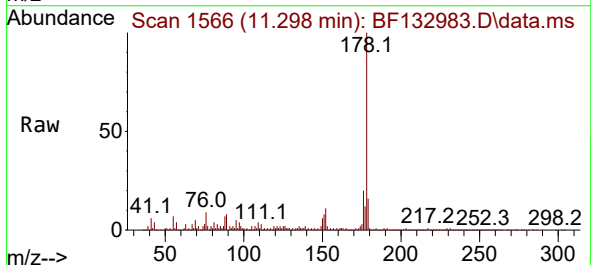
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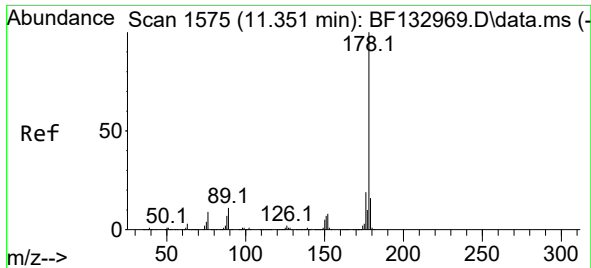
Tgt Ion:169 Resp: 58450
Ion Ratio Lower Upper
169 100
168 60.9 53.8 80.8
167 32.1 29.7 44.5



#71
Phenanthrene
Concen: 17.827 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Tgt Ion:178 Resp: 490305
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.8 12.5 18.7

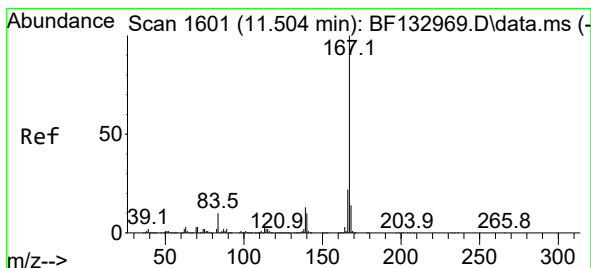
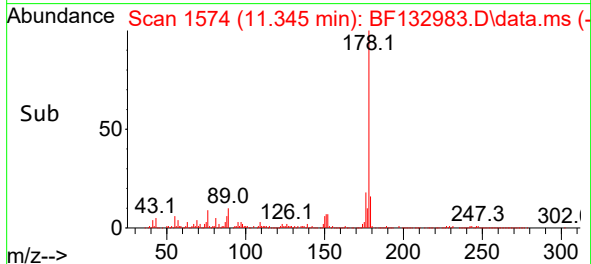
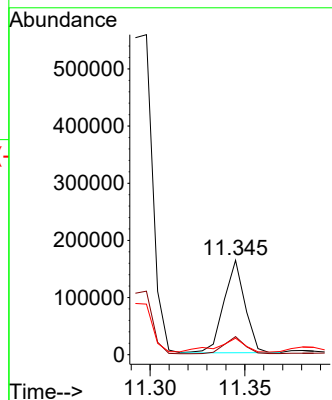
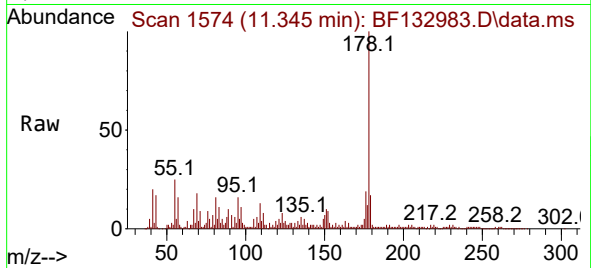




#72
 Anthracene
 Concen: 4.450 ng
 RT: 11.345 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132983.D
 Acq: 21 Apr 2023 22:37

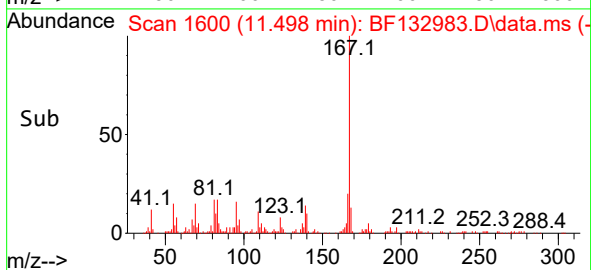
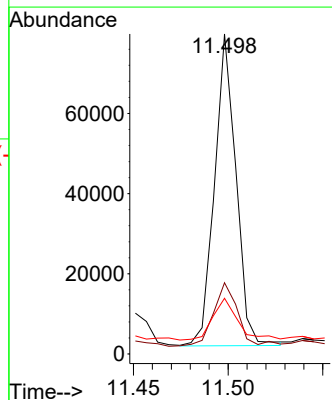
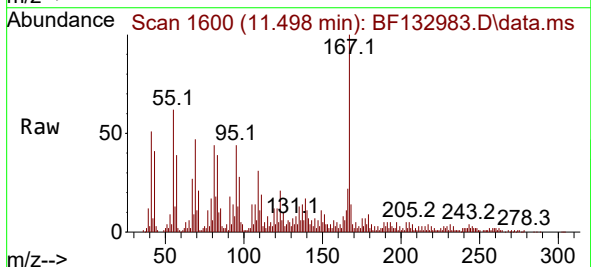
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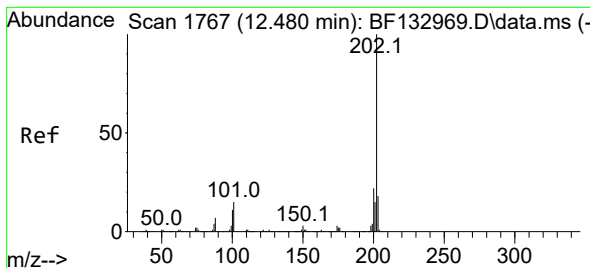
Tgt Ion:178 Resp: 125244
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 17.4 12.4 18.6



#73
 Carbazole
 Concen: 2.451 ng
 RT: 11.498 min Scan# 1600
 Delta R.T. -0.006 min
 Lab File: BF132983.D
 Acq: 21 Apr 2023 22:37

Tgt Ion:167 Resp: 61431
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 17.4 10.6 16.0#





#75

Fluoranthene

Concen: 26.973 ng

RT: 12.486 min Scan# 1767

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

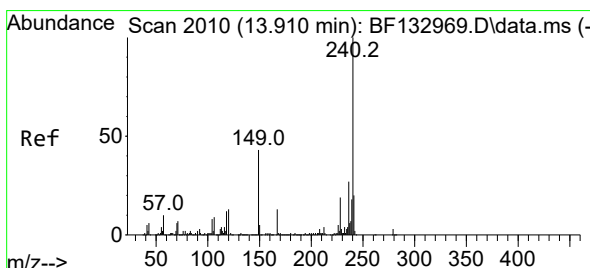
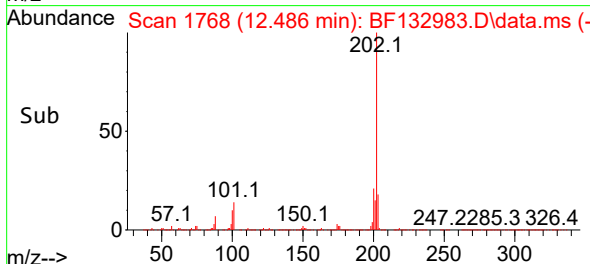
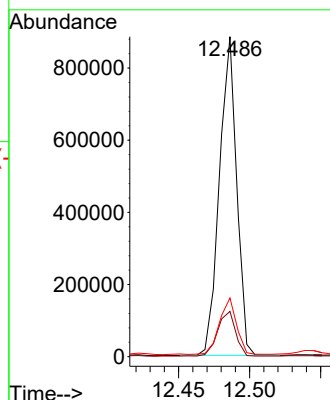
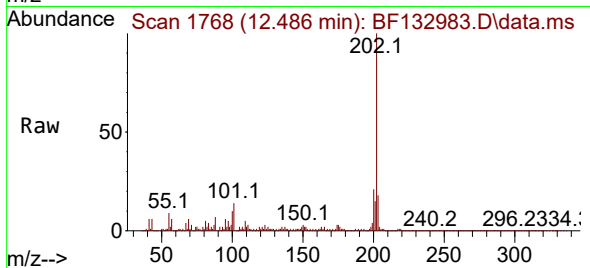
Tgt Ion:202 Resp: 744526

Ion Ratio Lower Upper

202 100

101 14.2 0.0 35.3

203 18.3 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

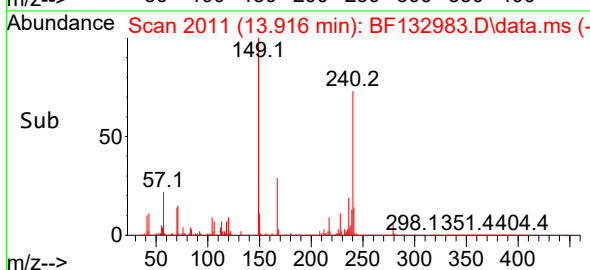
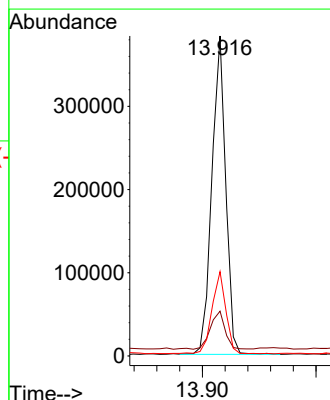
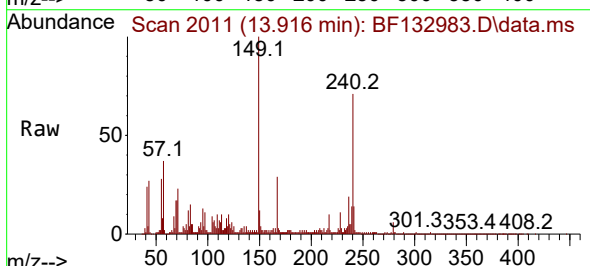
Tgt Ion:240 Resp: 323601

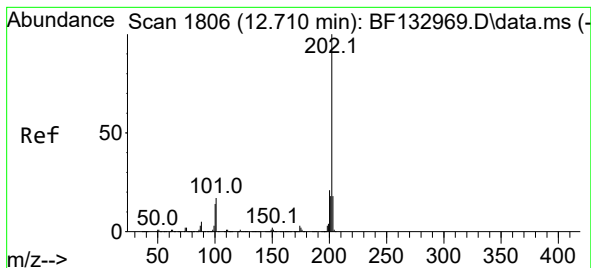
Ion Ratio Lower Upper

240 100

120 14.0 10.5 15.7

236 26.3 21.5 32.3





#78

Pyrene

Concen: 23.836 ng

RT: 12.716 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

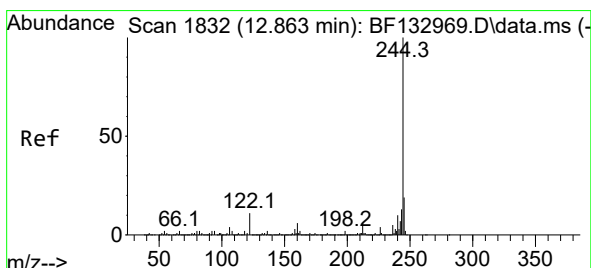
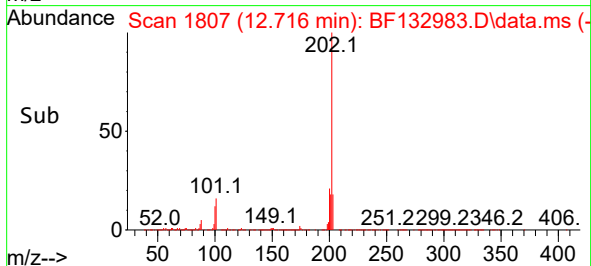
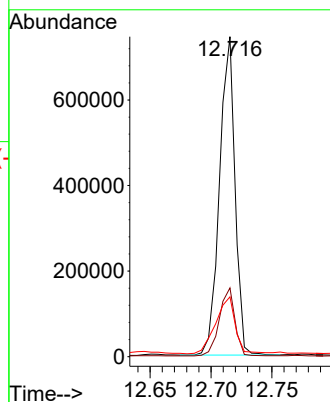
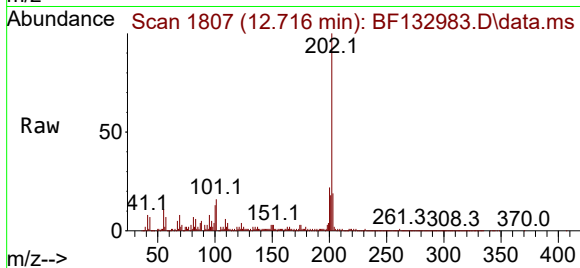
Tgt Ion:202 Resp: 661200

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 18.7 14.1 21.1



#79

Terphenyl-d14

Concen: 24.390 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

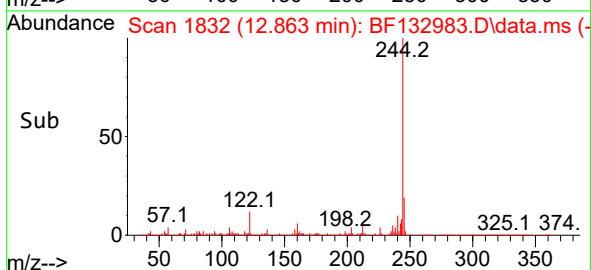
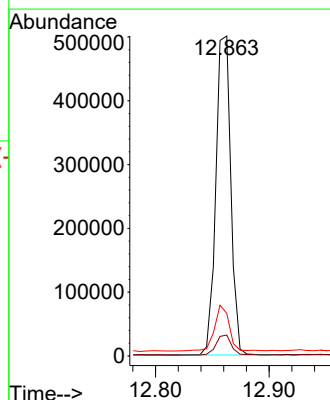
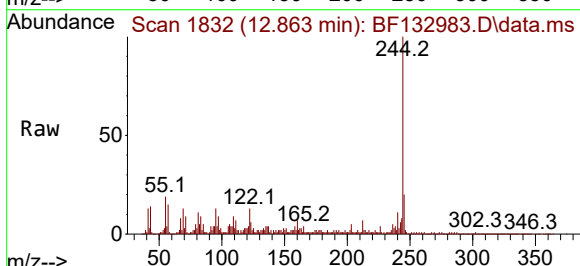
Tgt Ion:244 Resp: 457633

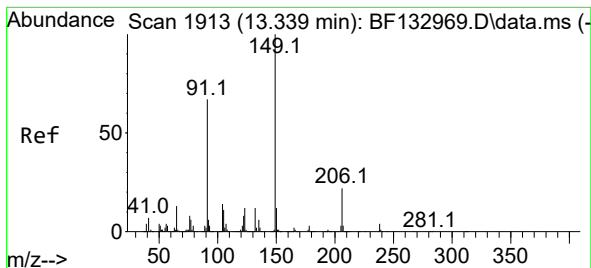
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 13.3 8.6 13.0#





#80

Butylbenzylphthalate

Concen: 2.370 ng

RT: 13.339 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

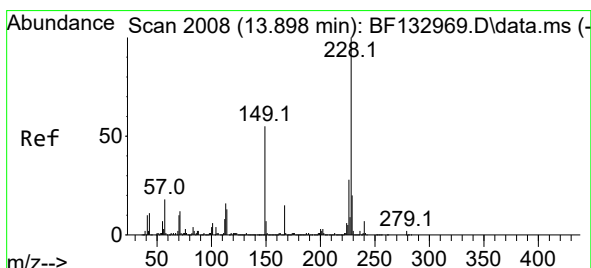
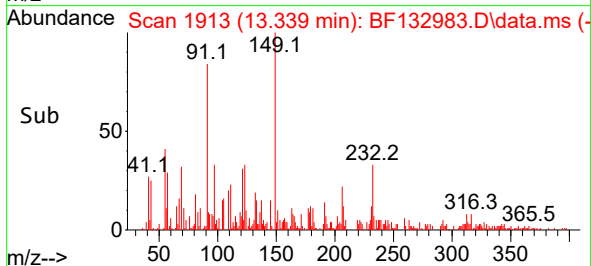
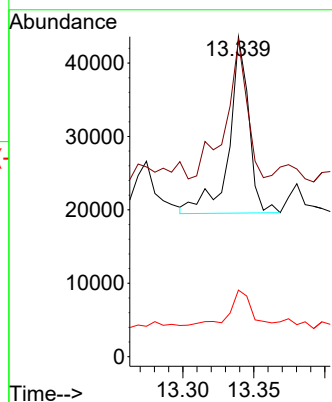
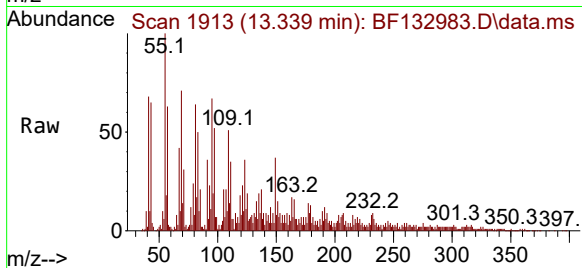
Tgt Ion:149 Resp: 23280

Ion Ratio Lower Upper

149 100

91 99.0 53.8 80.6#

206 20.8 17.5 26.3



#81

Benzo(a)anthracene

Concen: 14.453 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

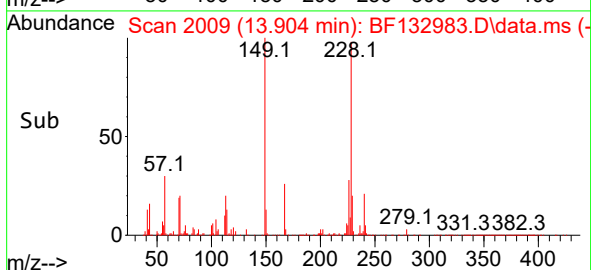
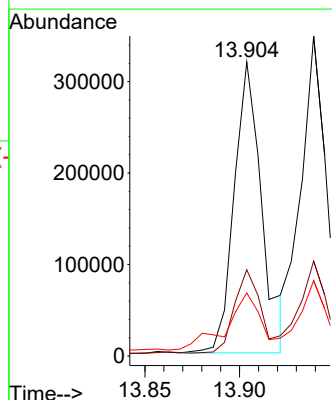
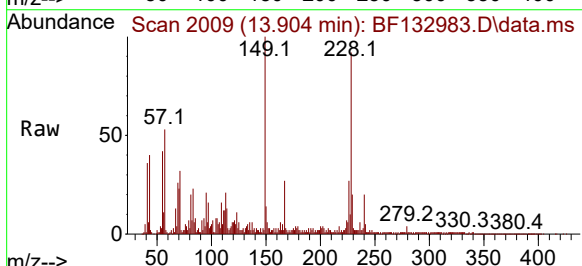
Tgt Ion:228 Resp: 321622

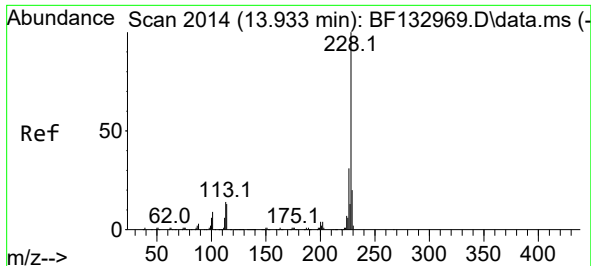
Ion Ratio Lower Upper

228 100

226 29.3 22.2 33.4

229 21.4 16.0 24.0





#83

Chrysene

Concen: 14.325 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

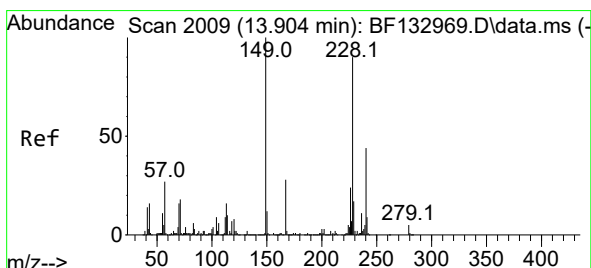
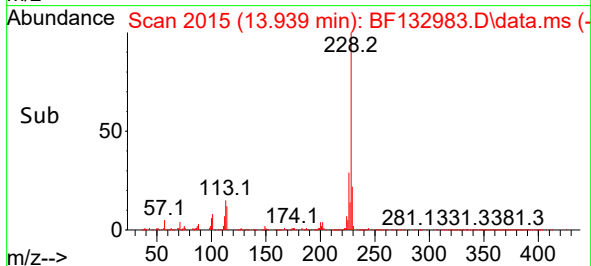
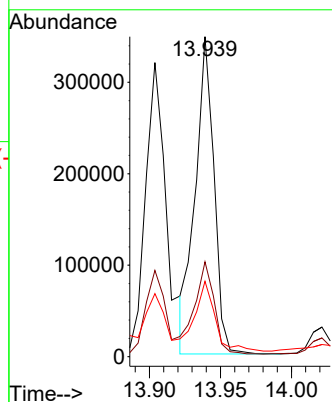
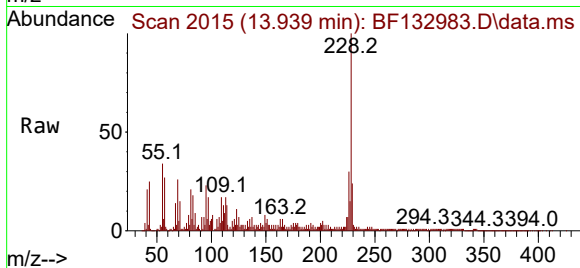
Tgt Ion:228 Resp: 318693

Ion Ratio Lower Upper

228 100

226 29.6 24.7 37.1

229 23.6 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.466 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

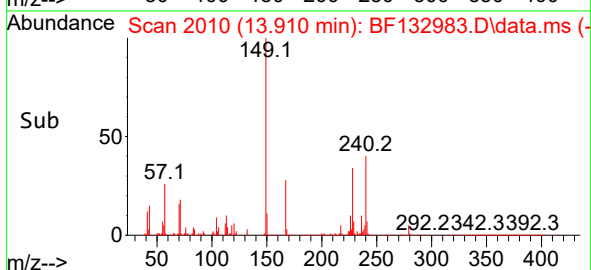
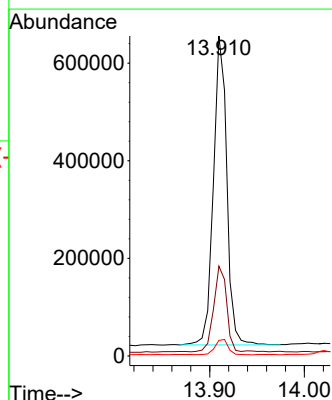
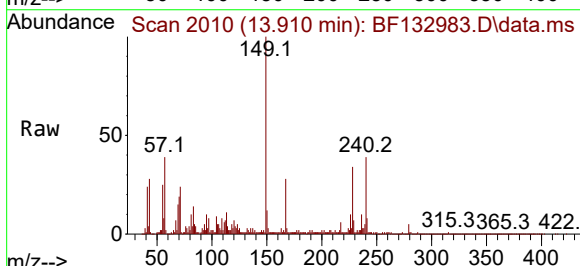
Tgt Ion:149 Resp: 622170

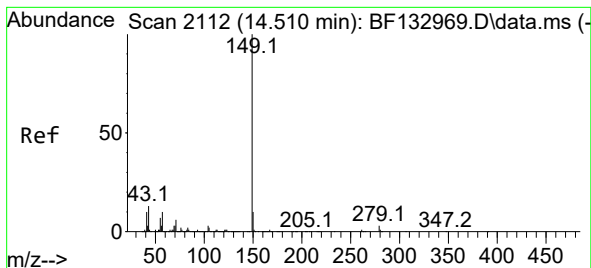
Ion Ratio Lower Upper

149 100

167 28.0 22.5 33.7

279 4.9 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 3.183 ng

RT: 14.521 min Scan# 2114

Delta R.T. 0.012 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

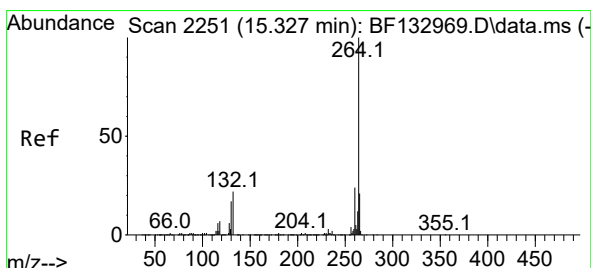
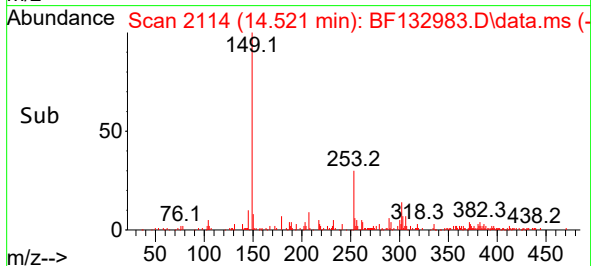
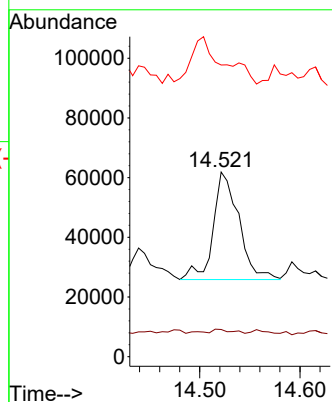
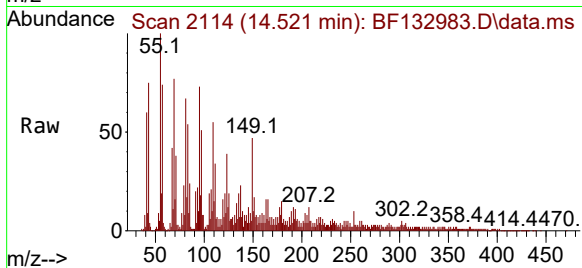
Tgt Ion:149 Resp: 63982

Ion Ratio Lower Upper

149 100

167 3.6 1.2 1.8#

43 42.0 9.5 14.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.024 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

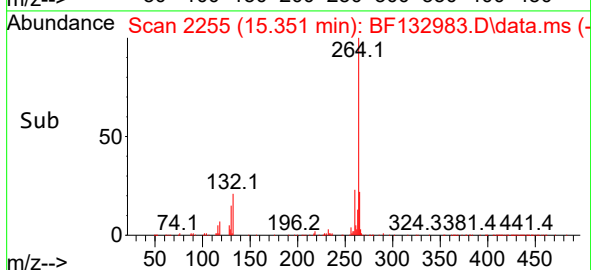
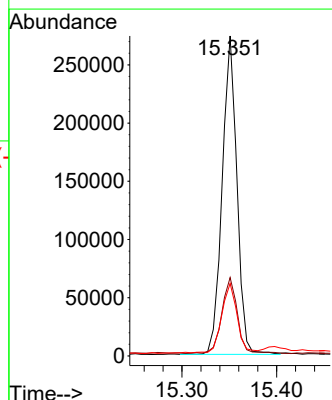
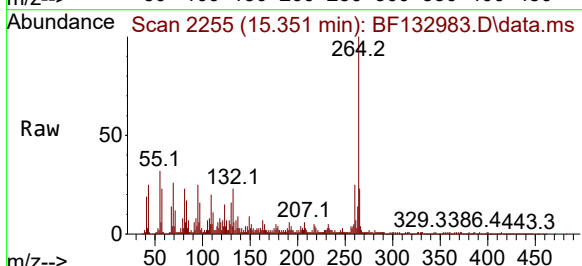
Tgt Ion:264 Resp: 296000

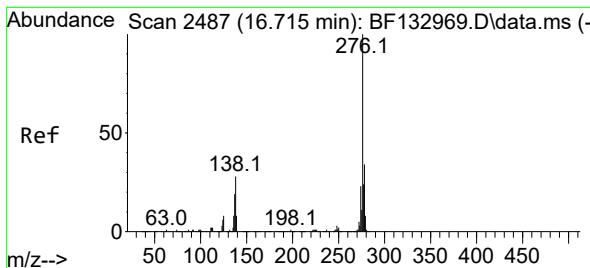
Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.055 ng

RT: 16.739 min Scan# 2487

Delta R.T. 0.024 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

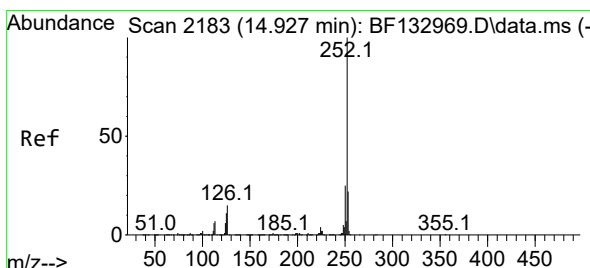
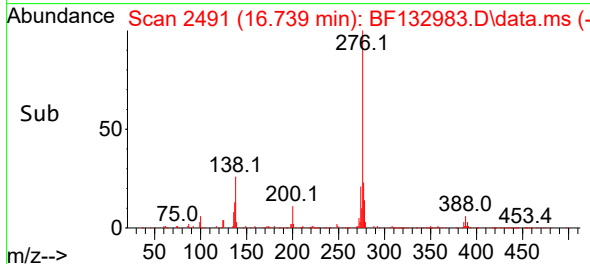
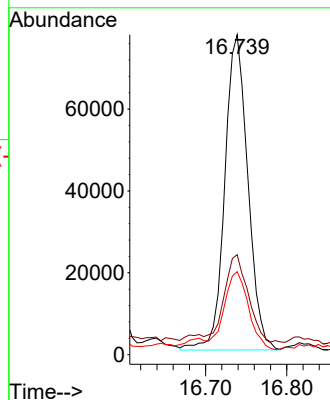
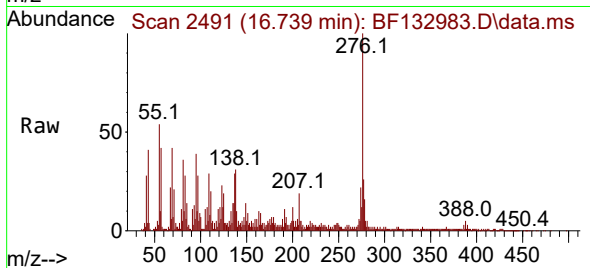
Tgt Ion:276 Resp: 152467

Ion Ratio Lower Upper

276 100

138 28.7 25.5 38.3

277 26.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 26.470 ng

RT: 14.939 min Scan# 2185

Delta R.T. 0.012 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

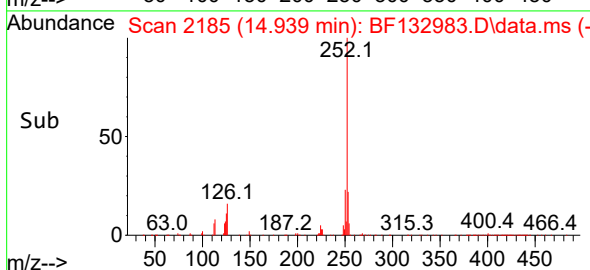
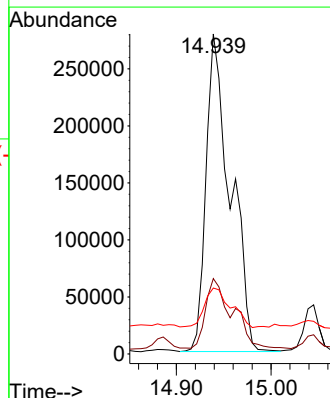
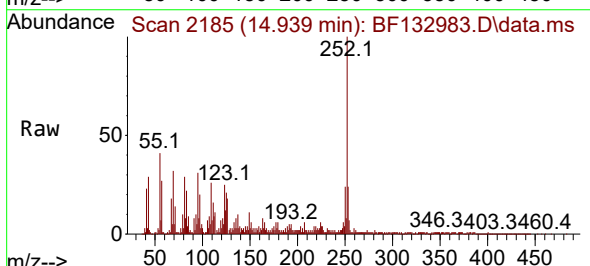
Tgt Ion:252 Resp: 498460

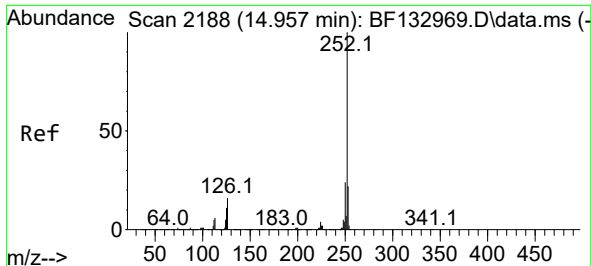
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 20.6 8.9 13.3#

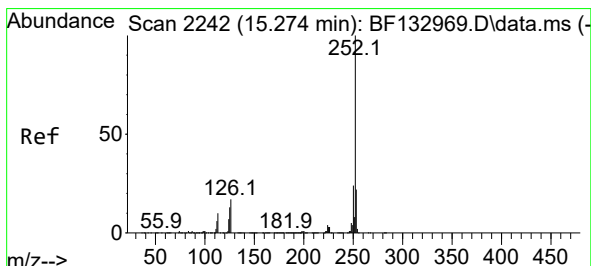
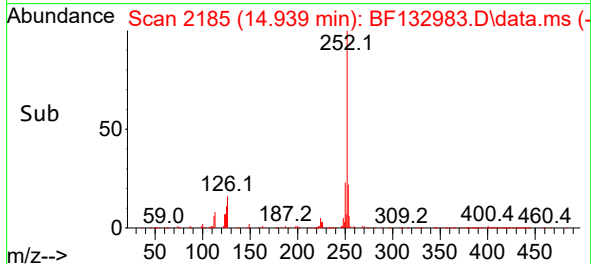
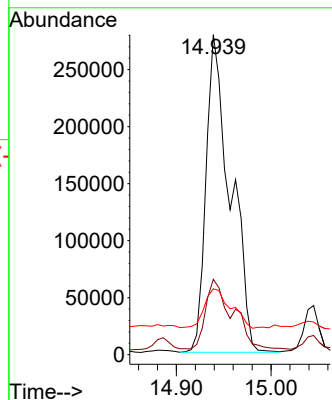
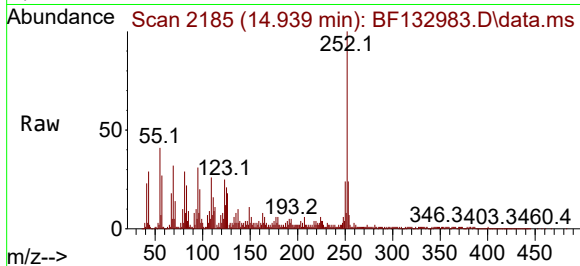




#89
Benzo(k)fluoranthene
Concen: 26.703 ng
RT: 14.939 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

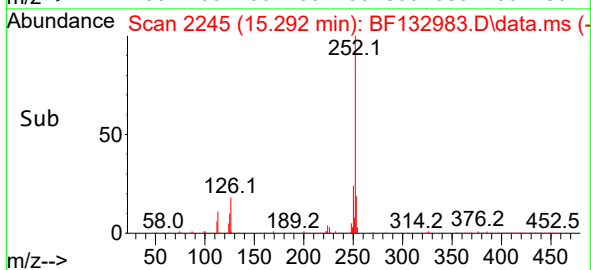
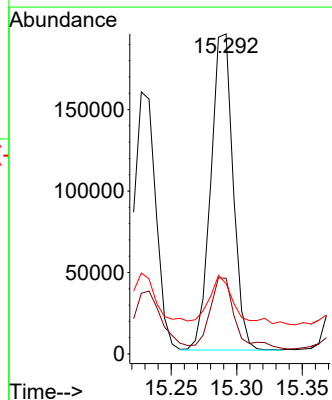
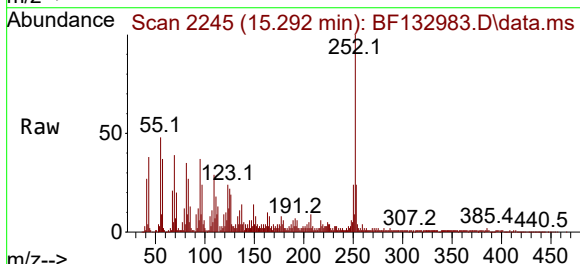
Instrument :
BNA_F
ClientSampleId :
SPB-4WC-23-04-17

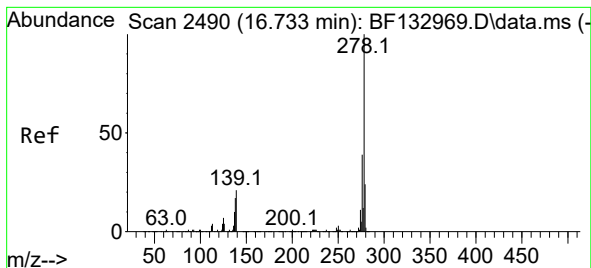
Tgt Ion:252 Resp: 498460
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 20.6 9.0 13.4#



#90
Benzo(a)pyrene
Concen: 13.381 ng
RT: 15.292 min Scan# 2245
Delta R.T. 0.018 min
Lab File: BF132983.D
Acq: 21 Apr 2023 22:37

Tgt Ion:252 Resp: 229354
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 22.0 10.5 15.7#





#91

Dibenzo(a,h)anthracene

Concen: 3.003 ng

RT: 16.757 min Scan# 2494

Delta R.T. 0.024 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Instrument :

BNA_F

ClientSampleId :

SPB-4WC-23-04-17

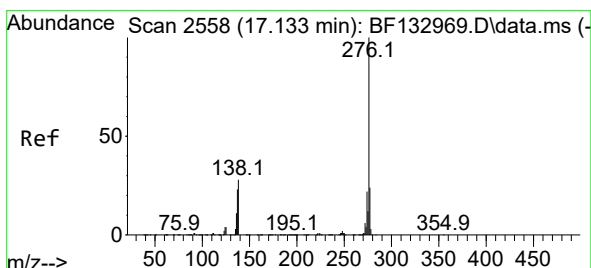
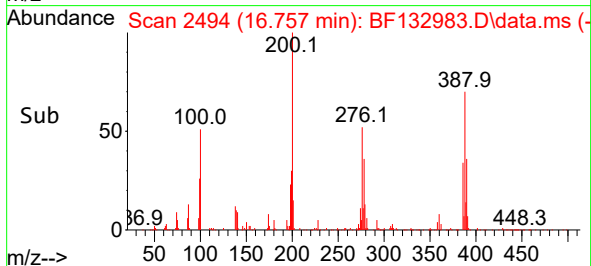
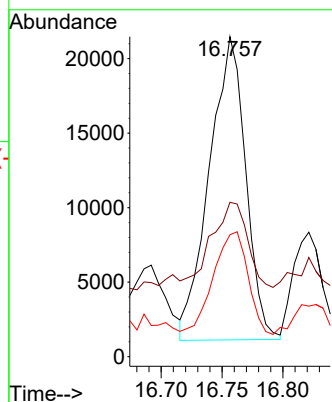
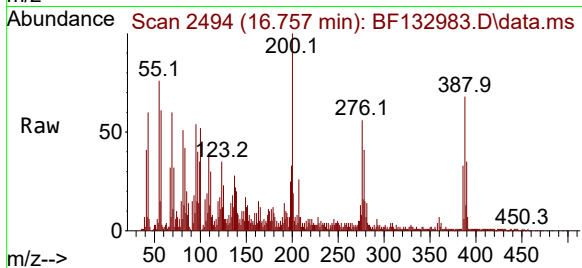
Tgt Ion:278 Resp: 42168

Ion Ratio Lower Upper

278 100

139 48.2 16.6 24.8#

279 38.1 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 10.707 ng

RT: 17.157 min Scan# 2562

Delta R.T. 0.024 min

Lab File: BF132983.D

Acq: 21 Apr 2023 22:37

Tgt Ion:276 Resp: 148442

Ion Ratio Lower Upper

276 100

277 23.3 19.4 29.0

138 29.3 22.7 34.1

