

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132981.D
 Acq On : 21 Apr 2023 21:34
 Operator : CG\JU
 Sample : 02389-03RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17

Quant Time: Apr 22 04:31:15 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)

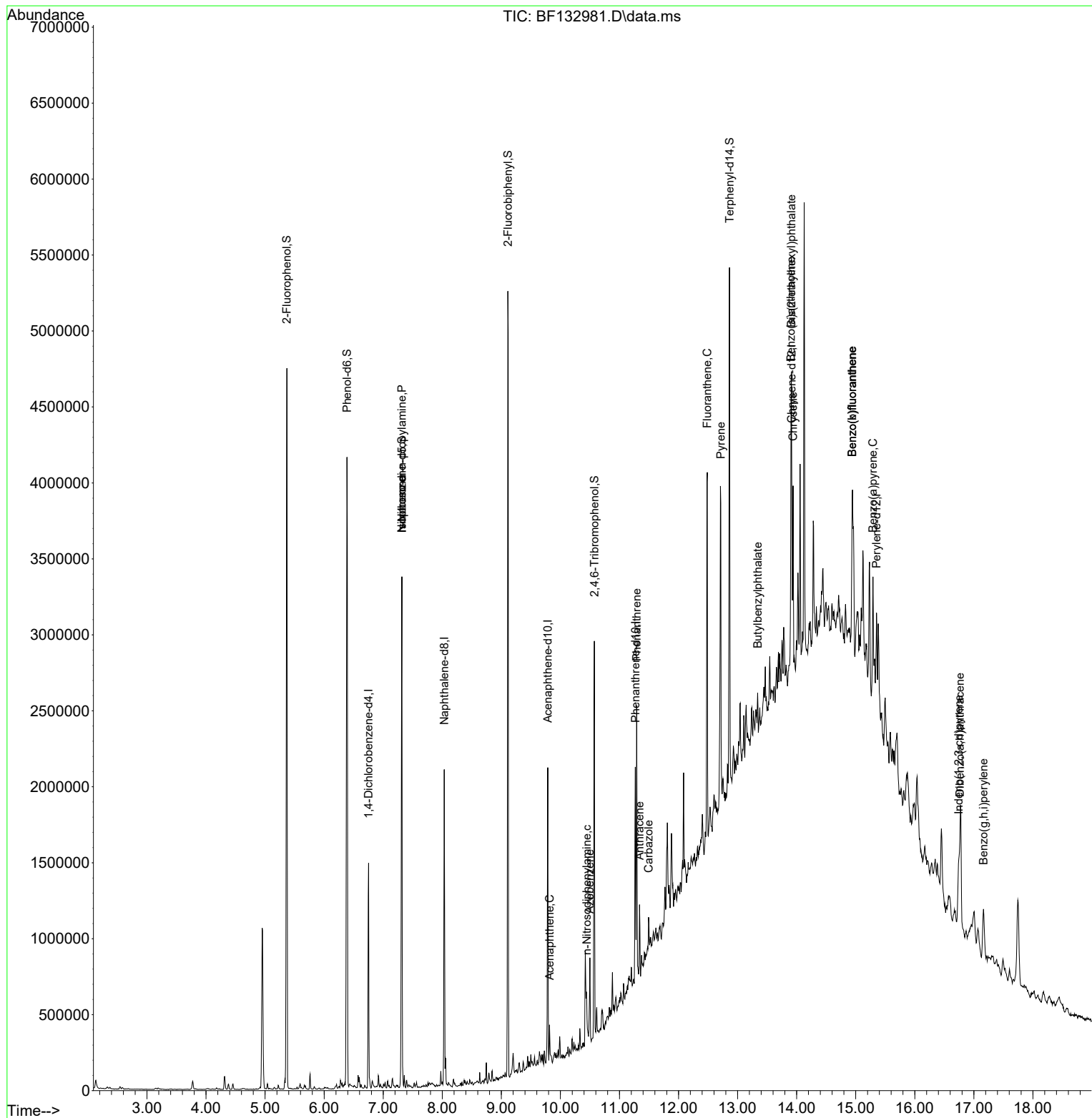
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	197954	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	763023	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	340189	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	496826	20.000	ng	0.00
76) Chrysene-d12	13.916	240	311313	20.000	ng	0.00
86) Perylene-d12	15.351	264	283799	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	1391583	106.193	ng	0.02
7) Phenol-d6	6.387	99	1712908	105.312	ng	0.00
23) Nitrobenzene-d5	7.316	82	1035948	73.284	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	310319	90.703	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1653615	81.322	ng	0.00
79) Terphenyl-d14	12.863	244	1314881	72.844	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.293	77	7588	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.316	70	138663	13.694 ng	#	80
25) Isophorone	7.316	82	1033145	38.493 ng	#	63
52) Acenaphthene	9.816	154	44861	2.123 ng		98
63) Azobenzene	10.498	77	100983	4.255 ng	#	1
66) n-Nitrosodiphenylamine	10.445	169	44100	2.736 ng		97
71) Phenanthrene	11.292	178	596547	22.340 ng		99
72) Anthracene	11.339	178	160100	5.859 ng		98
73) Carbazole	11.492	167	80191	3.296 ng	#	94
75) Fluoranthene	12.486	202	1054251	39.339 ng		98
78) Pyrene	12.716	202	978909	36.682 ng		99
80) Butylbenzylphthalate	13.339	149	34498	3.651 ng	#	75
81) Benzo(a)anthracene	13.904	228	498252	23.274 ng		97
83) Chrysene	13.939	228	529376	24.734 ng		97
84) Bis(2-ethylhexyl)phtha...	13.910	149	199454	16.817 ng		99
87) Indeno(1,2,3-cd)pyrene	16.745	276	254690	15.777 ng		94
88) Benzo(b)fluoranthene	14.939	252	824572	45.670 ng	#	90
89) Benzo(k)fluoranthene	14.939	252	824572	46.072 ng	#	91
90) Benzo(a)pyrene	15.292	252	395542	24.069 ng	#	93
91) Dibenzo(a,h)anthracene	16.762	278	67717	5.029 ng	#	50
92) Benzo(g,h,i)perylene	17.162	276	242500	18.243 ng		99

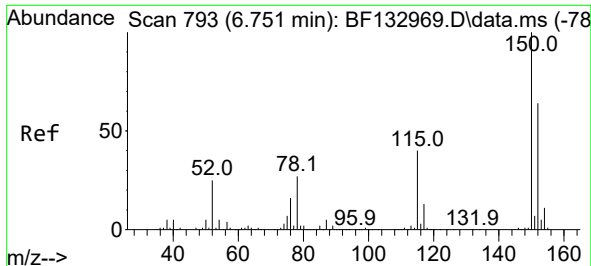
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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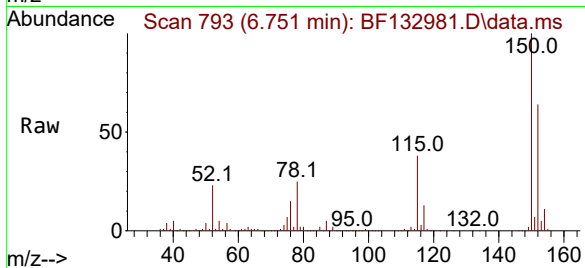
Quant Time: Apr 22 04:31:15 2023
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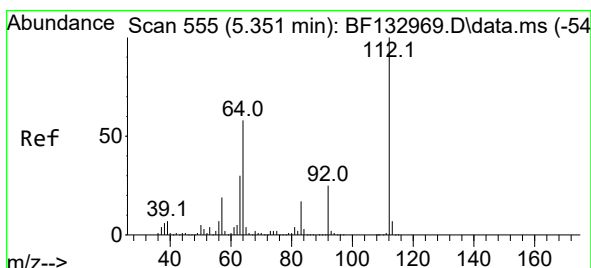
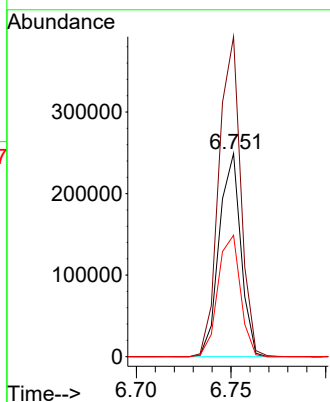
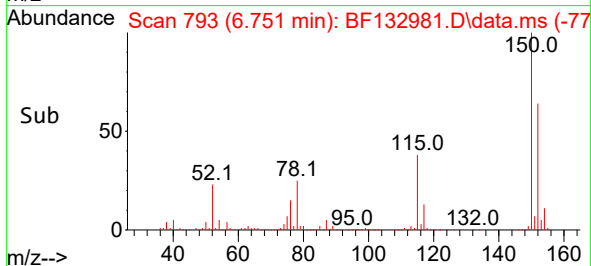


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.751 min Scan# 793
 Delta R.T. 0.000 min
 Lab File: BF132981.D
 Acq: 21 Apr 2023 21:34

Instrument :
 BNA_F
 ClientSampleId :
 SPB-1WC-23-04-17

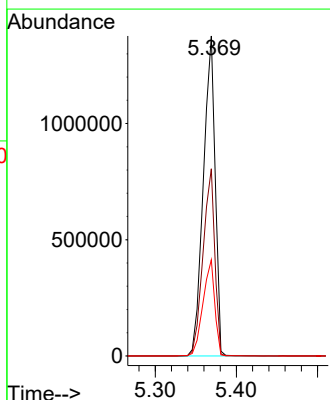
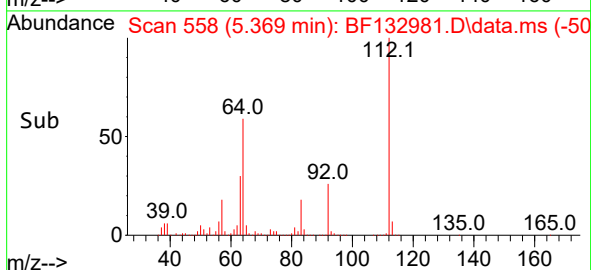
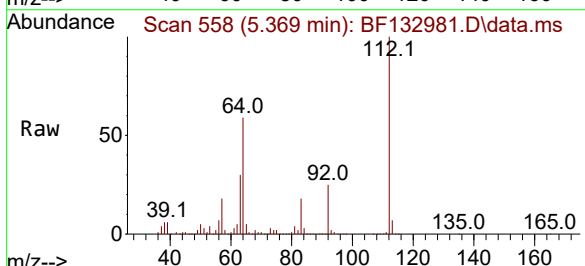


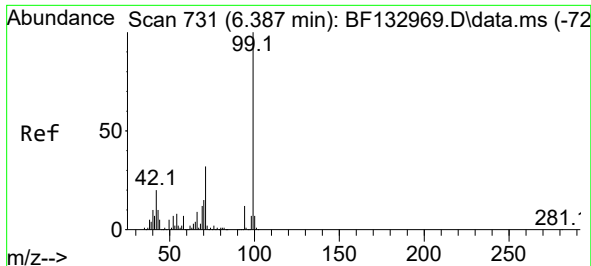
Tgt Ion:152 Resp: 197954
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.8 187.2
 115 59.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 106.193 ng
 RT: 5.369 min Scan# 558
 Delta R.T. 0.018 min
 Lab File: BF132981.D
 Acq: 21 Apr 2023 21:34

Tgt Ion:112 Resp: 1391583
 Ion Ratio Lower Upper
 112 100
 64 58.5 46.8 70.2
 63 30.1 23.8 35.8

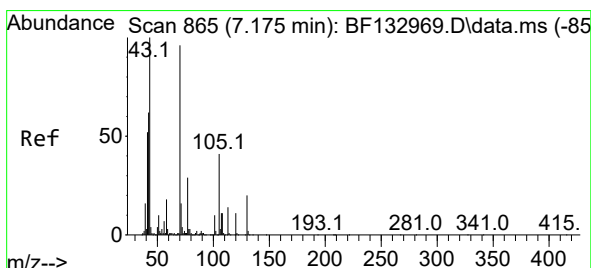
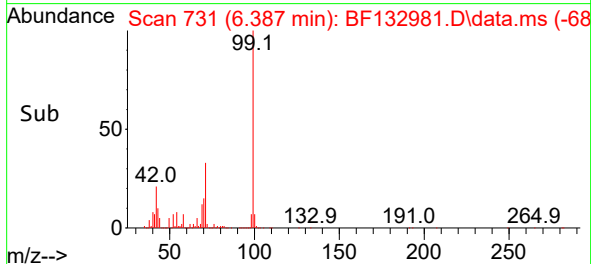
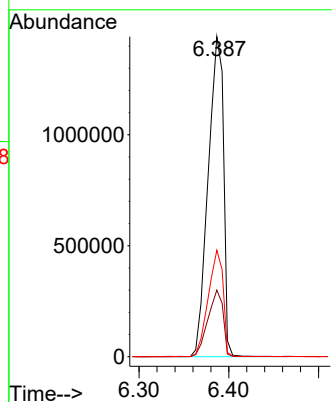
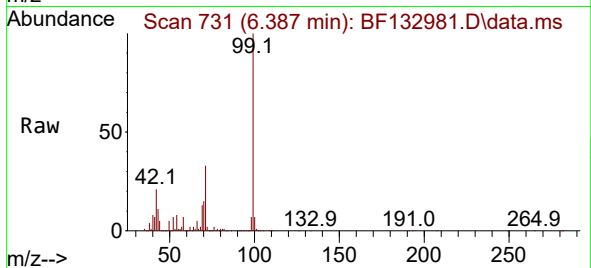




#7
Phenol-d6
Concen: 105.312 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

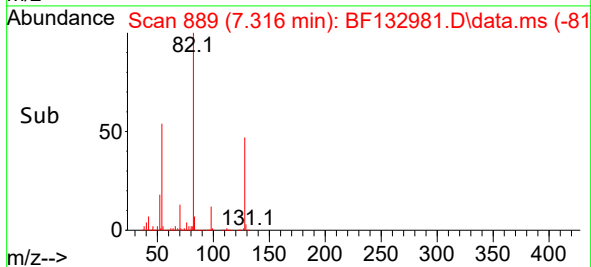
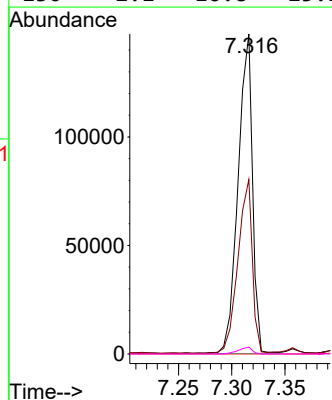
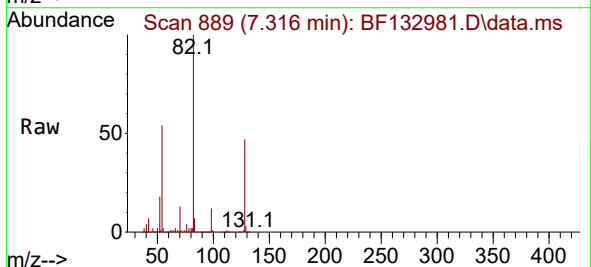
Instrument :
BNA_F
ClientSampleId :
SPB-1WC-23-04-17

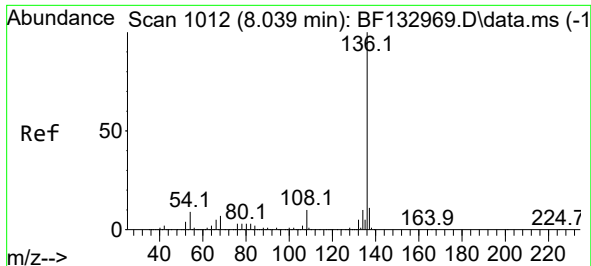
Tgt Ion: 99 Resp: 1712908
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 33.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.694 ng
RT: 7.316 min Scan# 889
Delta R.T. 0.141 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion: 70 Resp: 138663
Ion Ratio Lower Upper
70 100
42 54.5 51.8 77.6
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#

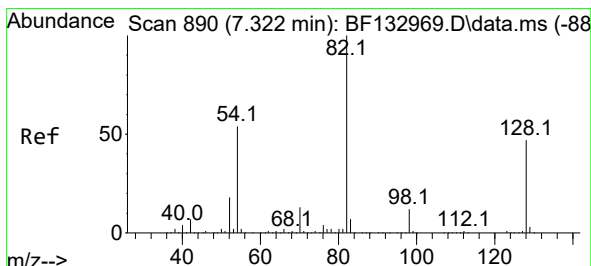
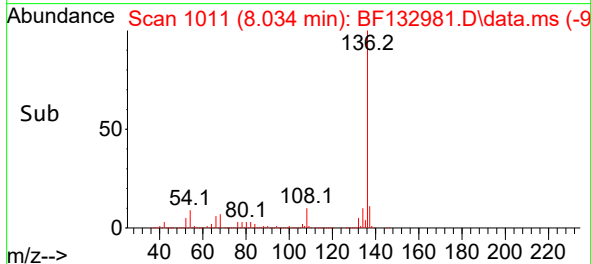
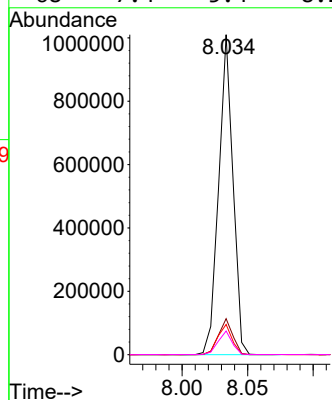
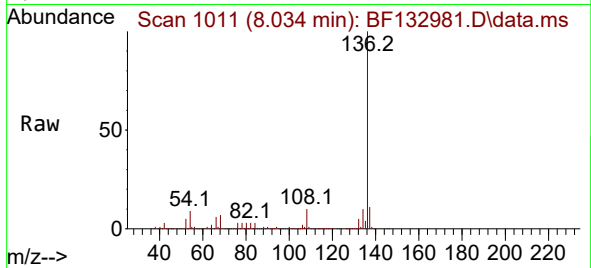




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

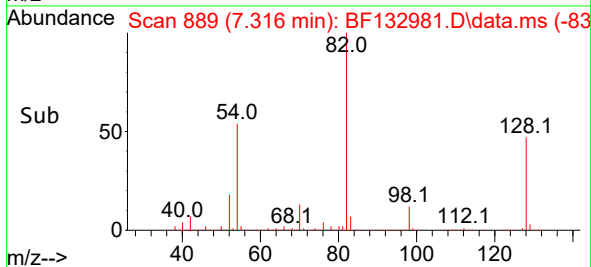
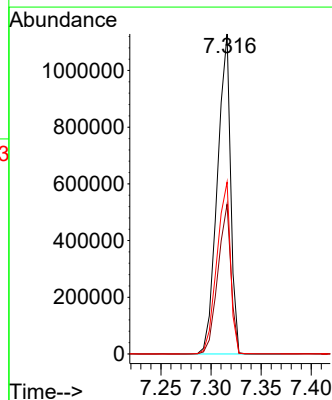
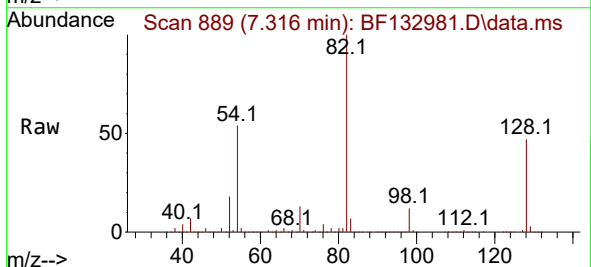
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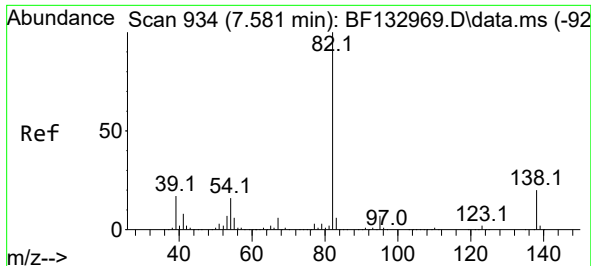
Tgt Ion:136 Resp: 763023
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.5 7.0 10.4
68 7.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 73.284 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion: 82 Resp: 1035948
Ion Ratio Lower Upper
82 100
128 46.8 37.7 56.5
54 53.7 43.0 64.4

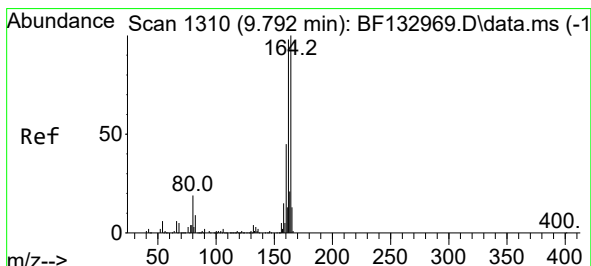
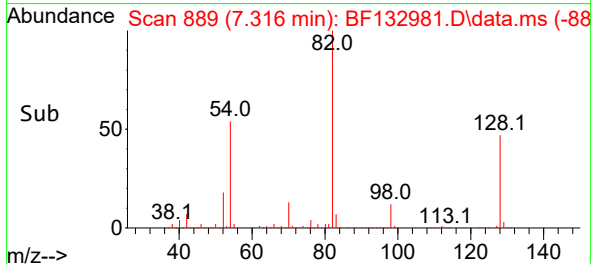
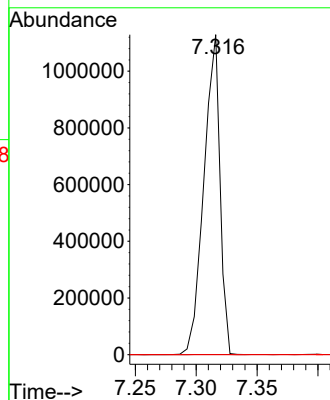
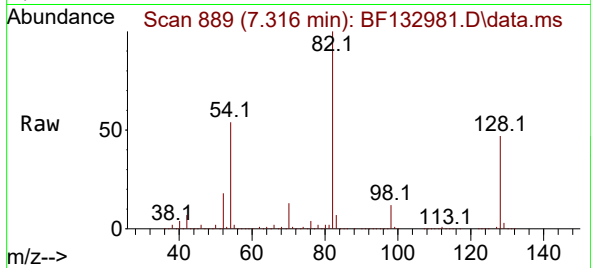




#25
Isophorone
Concen: 38.493 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

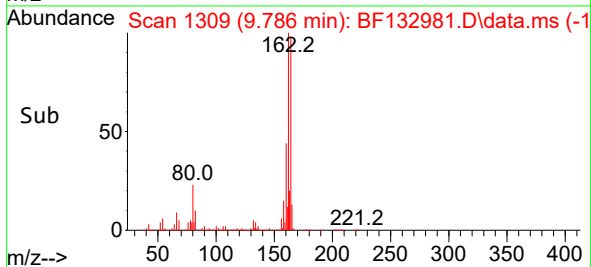
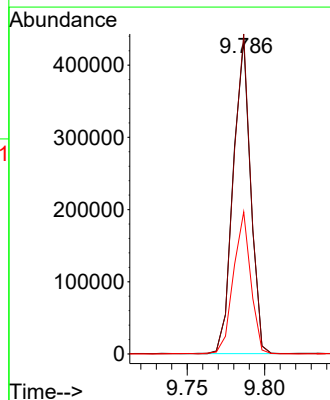
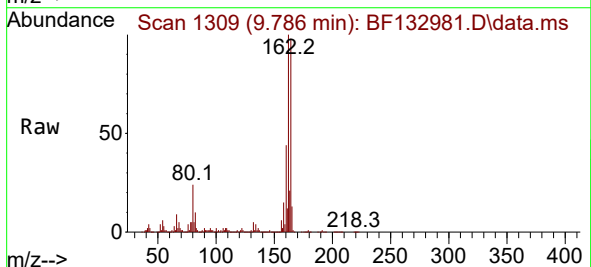
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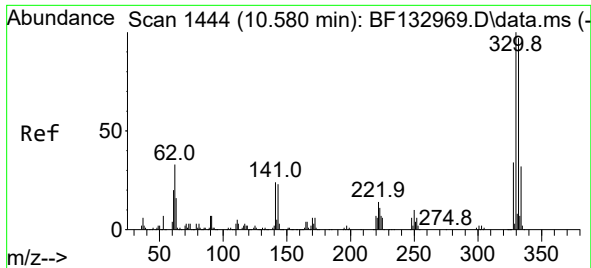
Tgt Ion: 82 Resp: 1033145
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion:164 Resp: 340189
Ion Ratio Lower Upper
164 100
162 101.8 78.7 118.1
160 45.2 35.8 53.6

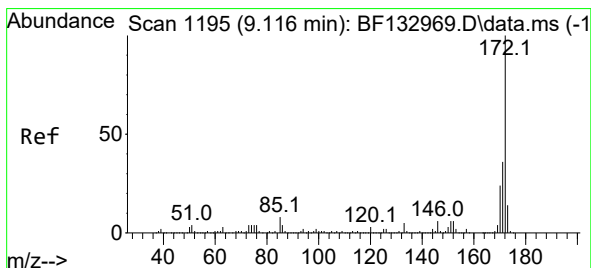
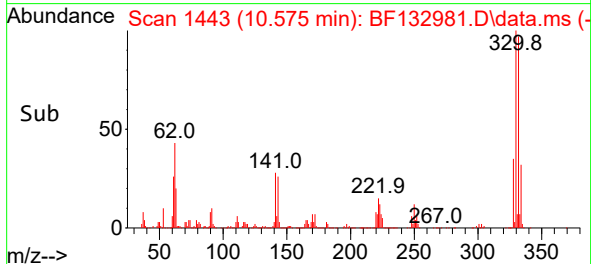
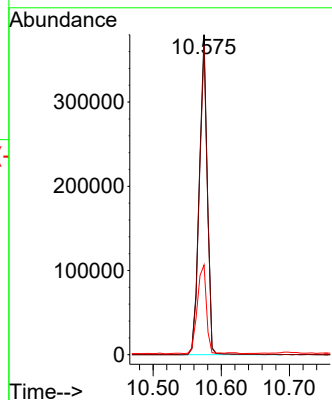
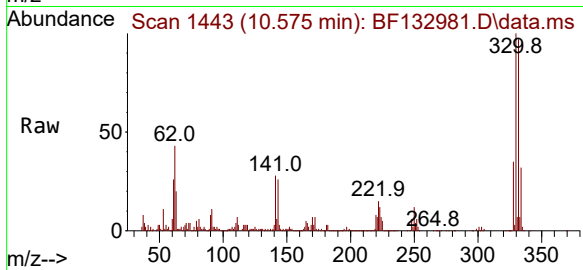




#42
2,4,6-Tribromophenol
Concen: 90.703 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

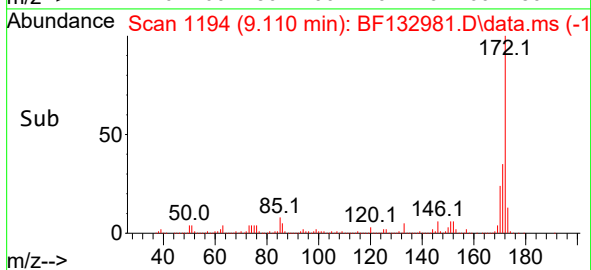
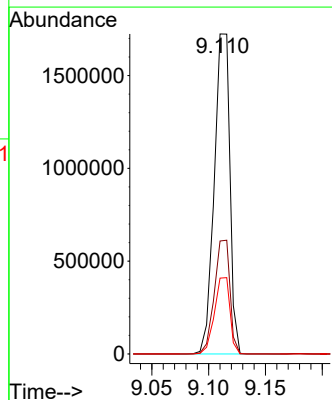
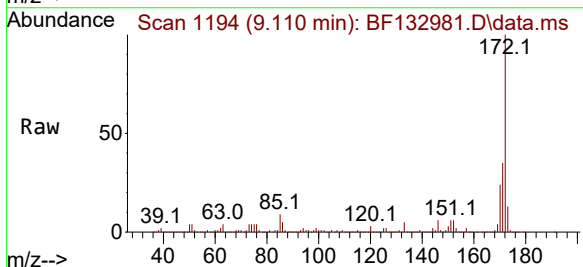
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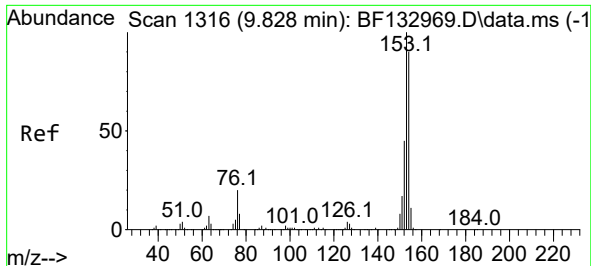
Tgt Ion:330 Resp: 310319
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 31.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 81.322 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion:172 Resp: 1653615
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 19.4 29.2

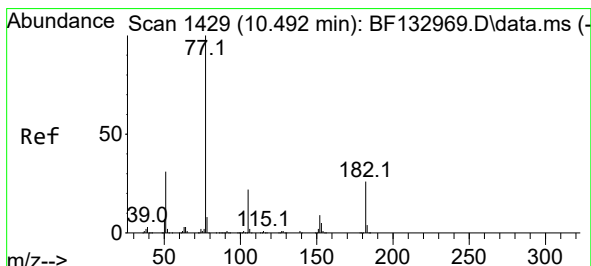
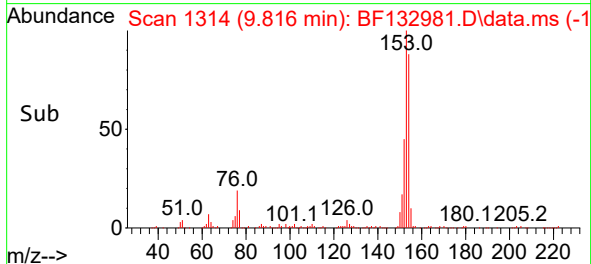
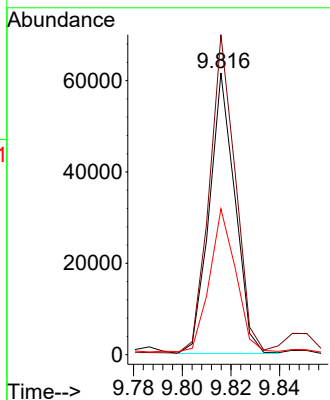
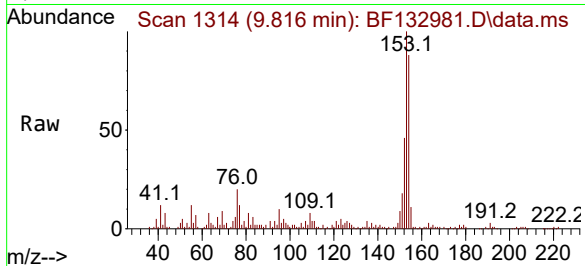




#52
Acenaphthene
Concen: 2.123 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

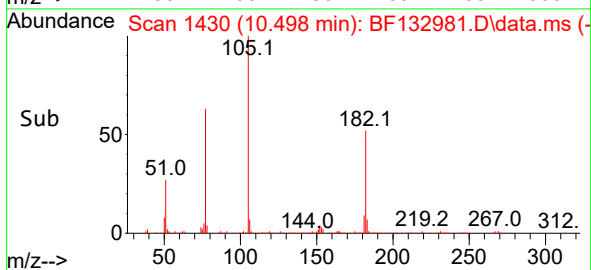
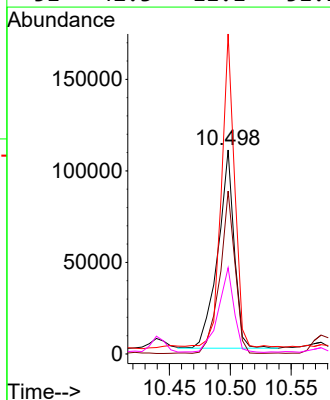
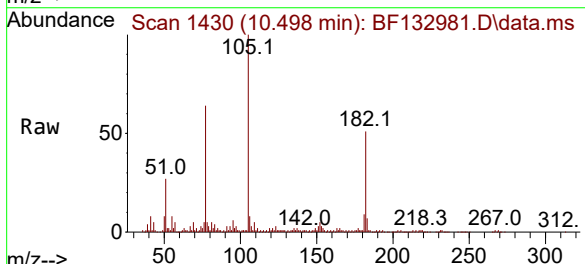
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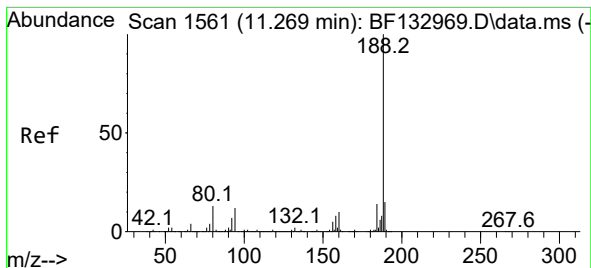
Tgt Ion:154 Resp: 44861
Ion Ratio Lower Upper
154 100
153 113.6 89.0 133.6
152 51.8 40.4 60.6



#63
Azobenzene
Concen: 4.255 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF132981.D
Acq: 21 Apr 2023 21:34

Tgt Ion: 77 Resp: 100983
Ion Ratio Lower Upper
77 100
182 79.8 5.9 45.9#
105 156.9 2.3 42.3#
51 42.3 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

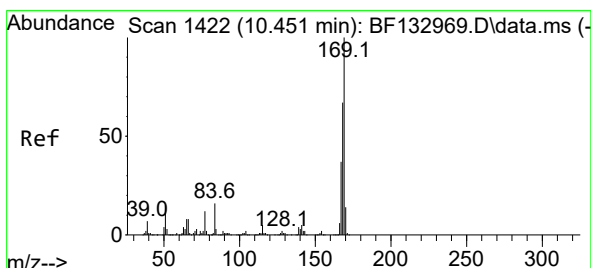
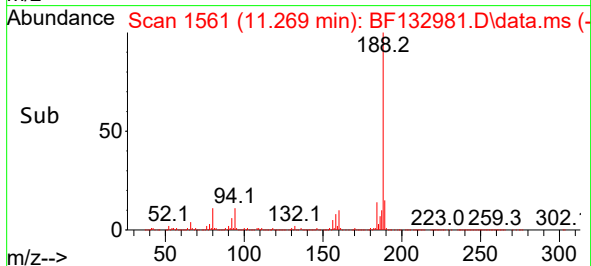
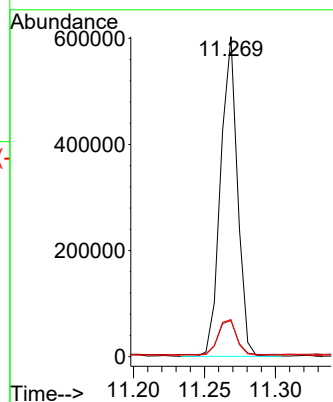
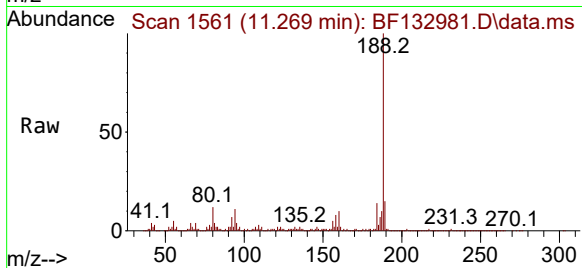
Tgt Ion:188 Resp: 496826

Ion Ratio Lower Upper

188 100

94 11.3 9.7 14.5

80 11.6 10.4 15.6



#66

n-Nitrosodiphenylamine

Concen: 2.736 ng

RT: 10.445 min Scan# 1421

Delta R.T. -0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

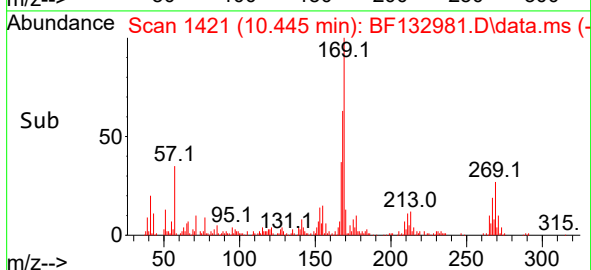
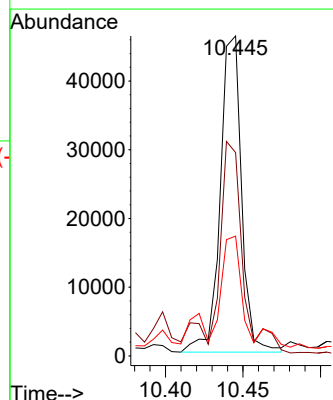
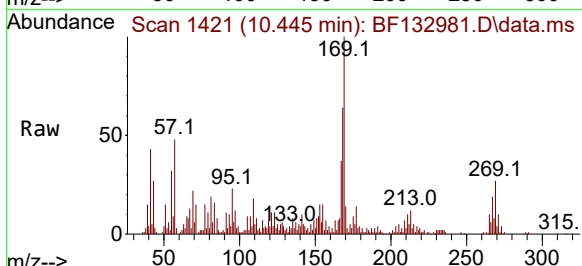
Tgt Ion:169 Resp: 44100

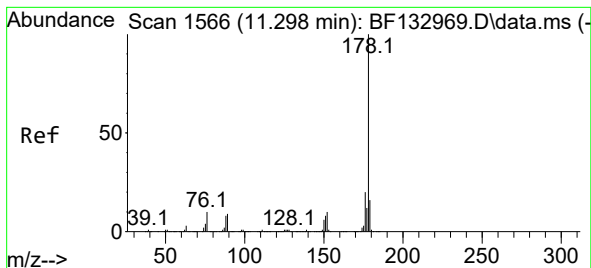
Ion Ratio Lower Upper

169 100

168 63.5 53.8 80.8

167 37.4 29.7 44.5





#71

Phenanthrene

Concen: 22.340 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

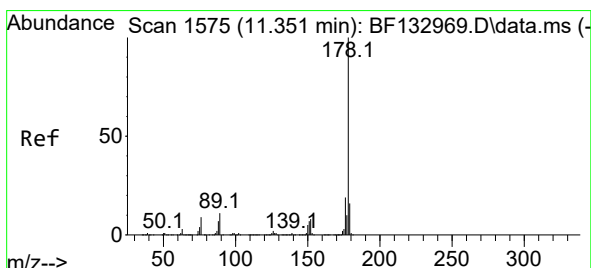
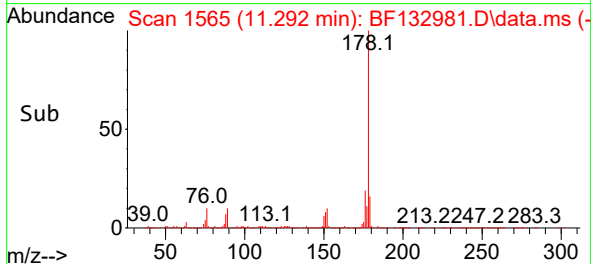
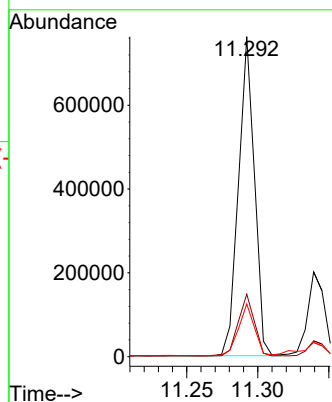
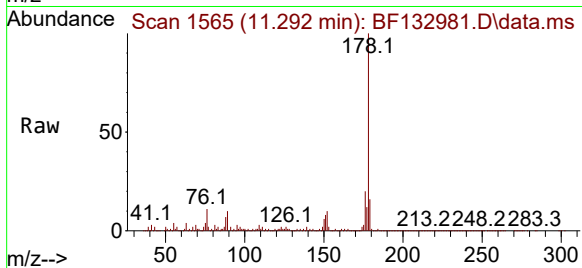
Tgt Ion:178 Resp: 596547

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

179 16.5 12.5 18.7



#72

Anthracene

Concen: 5.859 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

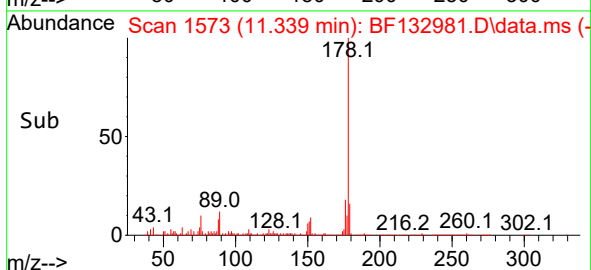
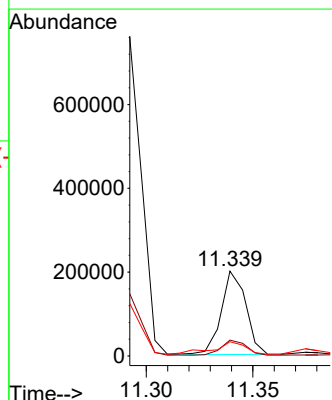
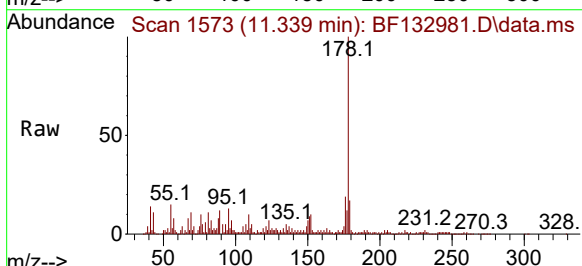
Tgt Ion:178 Resp: 160100

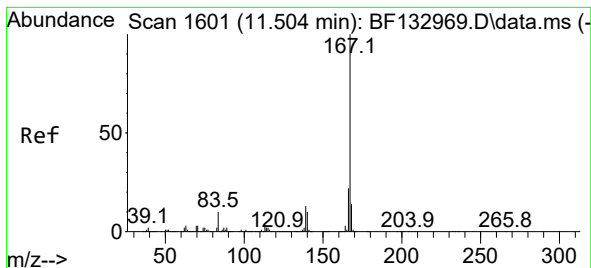
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

179 16.9 12.4 18.6





#73

Carbazole

Concen: 3.296 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.012 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

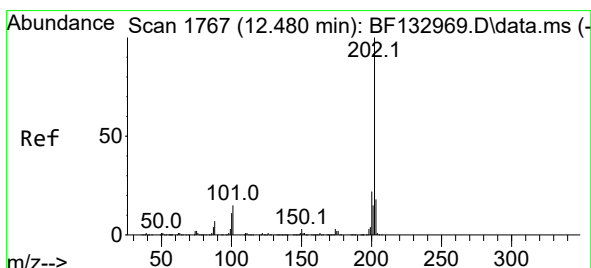
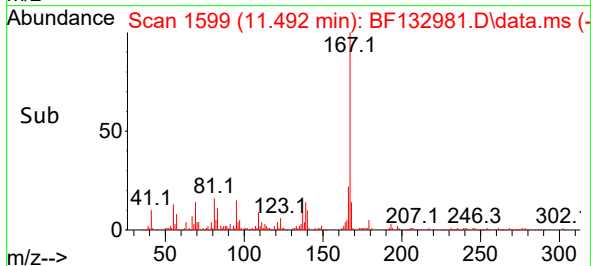
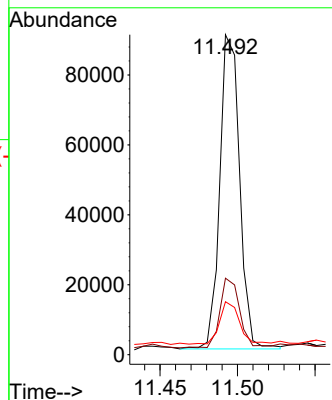
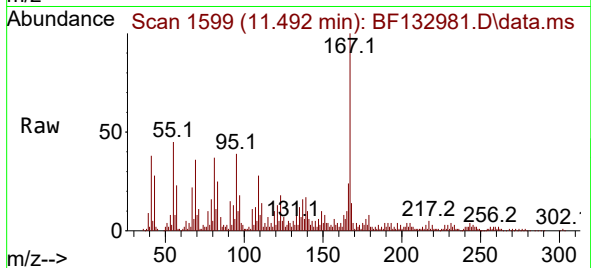
Tgt Ion:167 Resp: 80191

Ion Ratio Lower Upper

167 100

166 23.9 17.4 26.0

139 16.5 10.6 16.0#



#75

Fluoranthene

Concen: 39.339 ng

RT: 12.486 min Scan# 1768

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

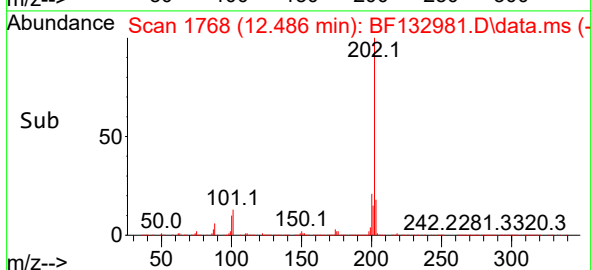
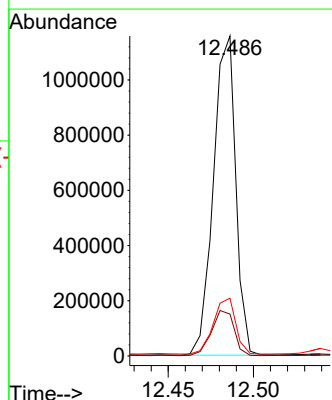
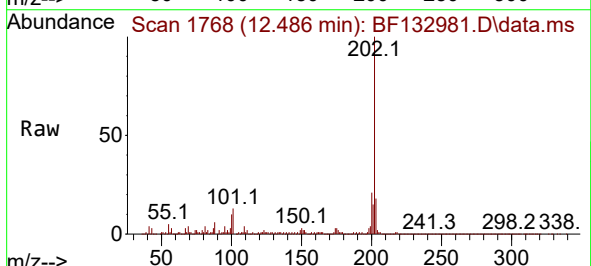
Tgt Ion:202 Resp: 1054251

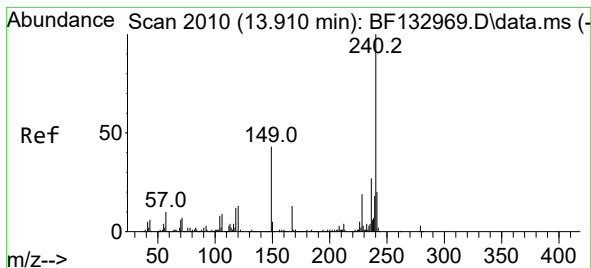
Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.3

203 18.1 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.916 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

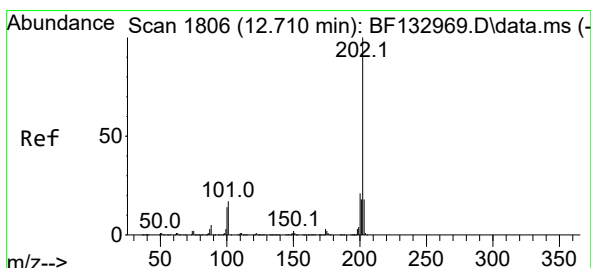
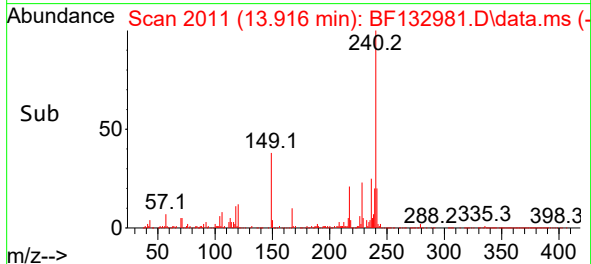
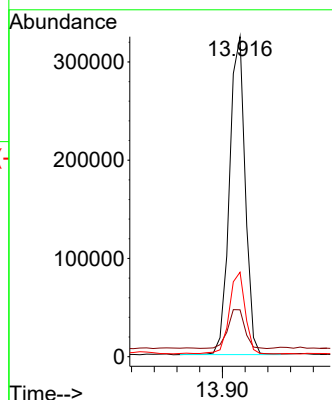
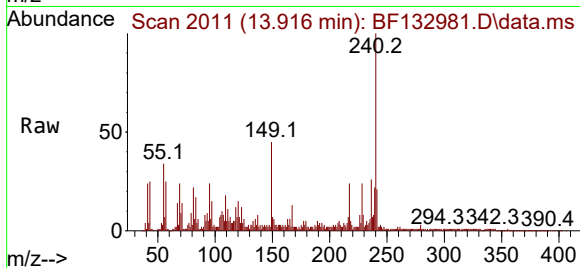
Tgt Ion:240 Resp: 311313

Ion Ratio Lower Upper

240 100

120 14.6 10.5 15.7

236 26.4 21.5 32.3



#78

Pyrene

Concen: 36.682 ng

RT: 12.716 min Scan# 1807

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

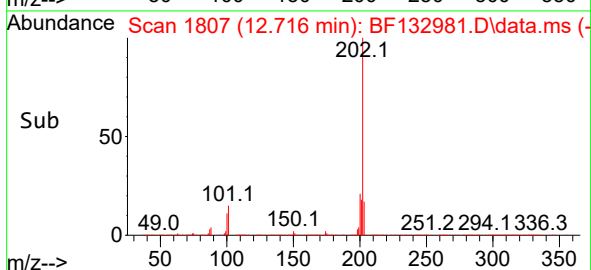
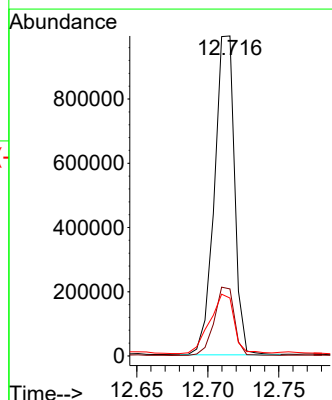
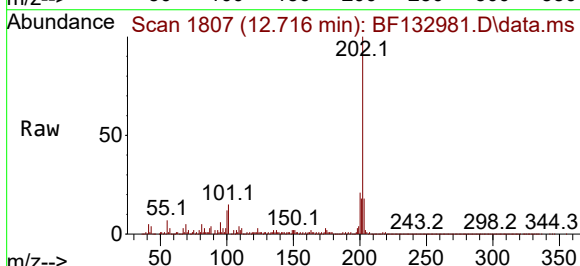
Tgt Ion:202 Resp: 978909

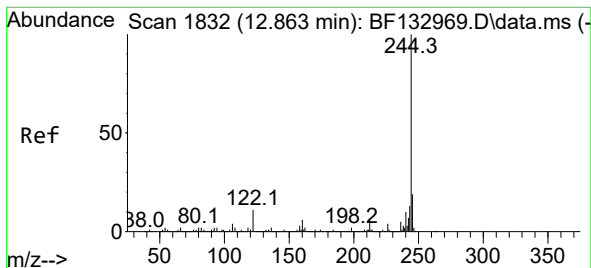
Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 72.844 ng

RT: 12.863 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

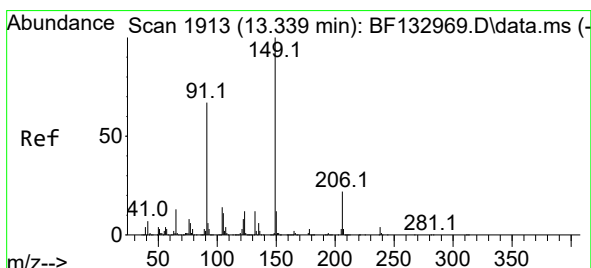
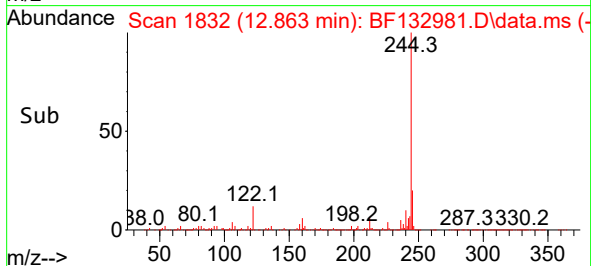
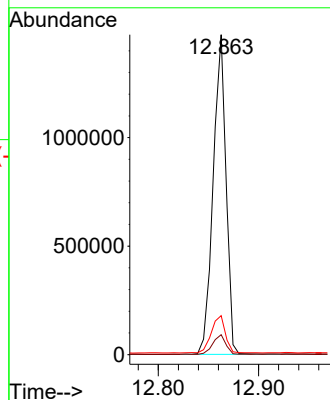
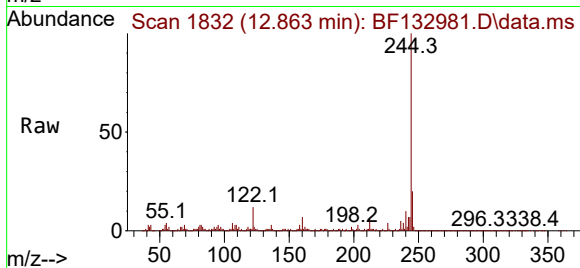
Tgt Ion:244 Resp: 1314881

Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 12.2 8.6 13.0



#80

Butylbenzylphthalate

Concen: 3.651 ng

RT: 13.339 min Scan# 1913

Delta R.T. 0.000 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

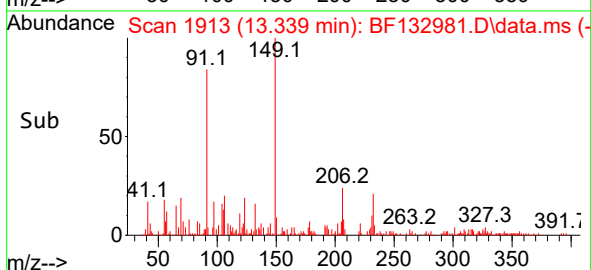
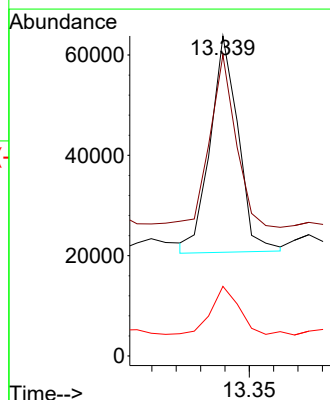
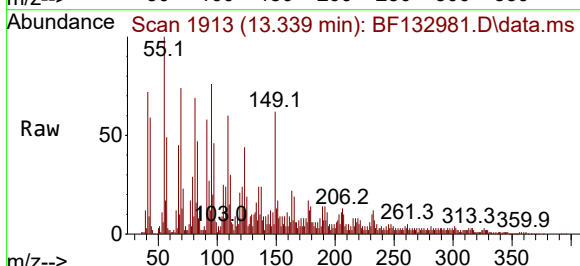
Tgt Ion:149 Resp: 34498

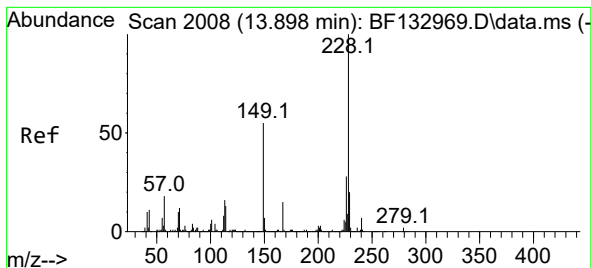
Ion Ratio Lower Upper

149 100

91 94.0 53.8 80.6#

206 21.8 17.5 26.3





#81

Benzo(a)anthracene

Concen: 23.274 ng

RT: 13.904 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

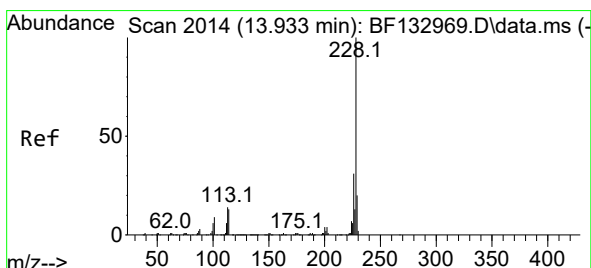
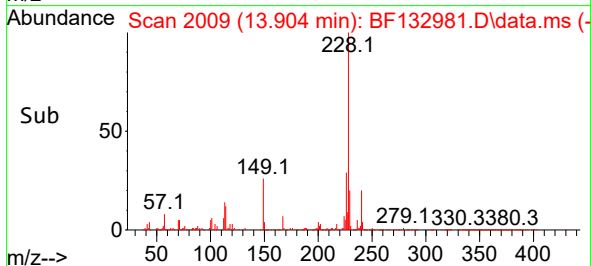
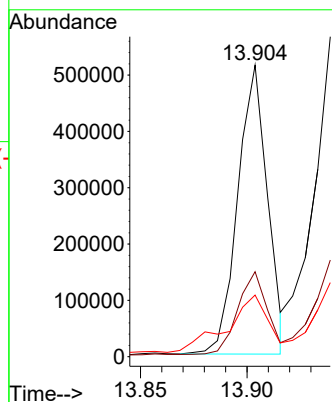
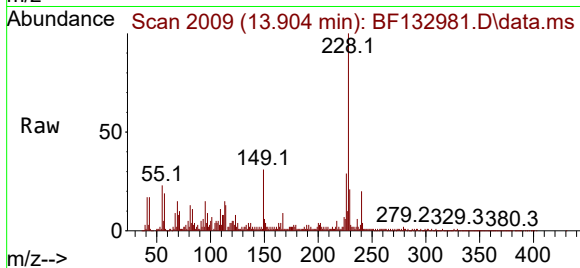
Tgt Ion:228 Resp: 498252

Ion Ratio Lower Upper

228 100

226 29.2 22.2 33.4

229 21.1 16.0 24.0



#83

Chrysene

Concen: 24.734 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

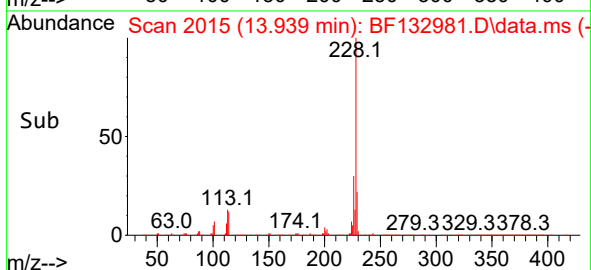
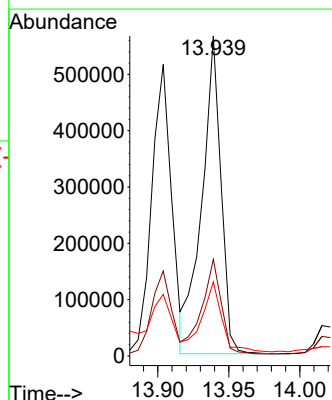
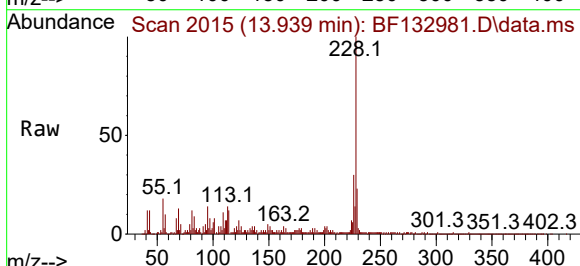
Tgt Ion:228 Resp: 529376

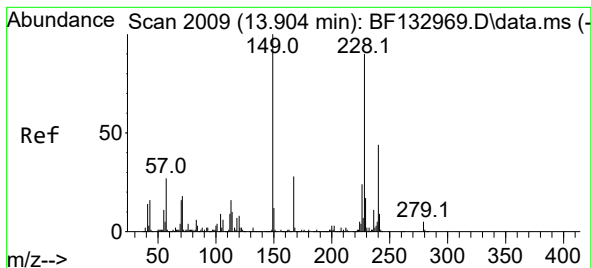
Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

229 23.2 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 16.817 ng

RT: 13.910 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

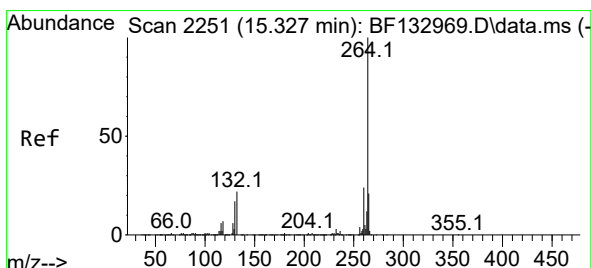
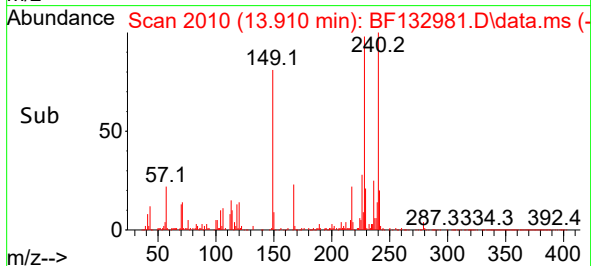
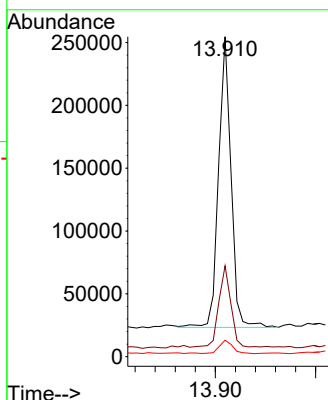
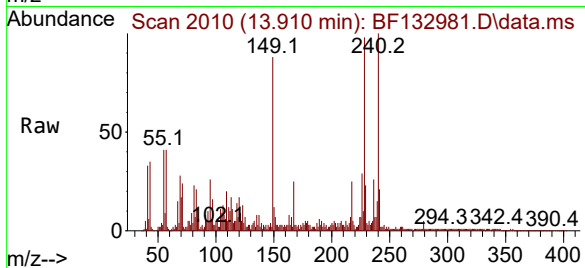
Tgt Ion:149 Resp: 199454

Ion Ratio Lower Upper

149 100

167 28.4 22.5 33.7

279 5.2 4.2 6.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.024 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

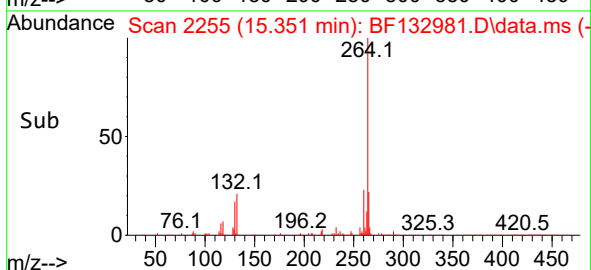
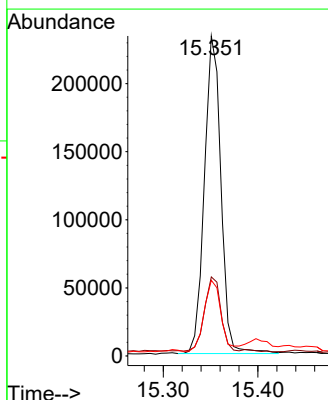
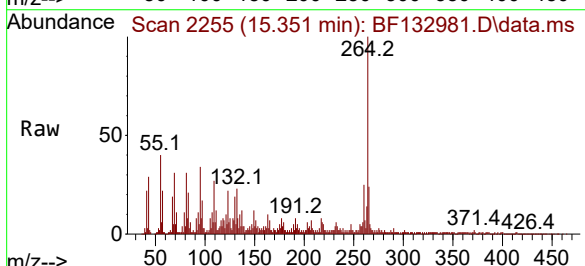
Tgt Ion:264 Resp: 283799

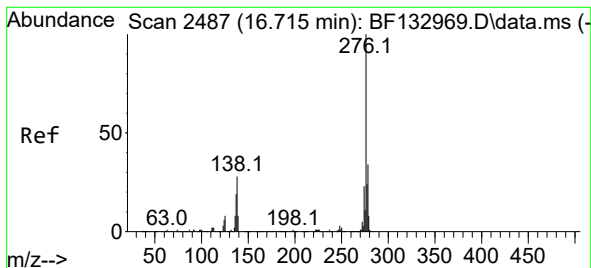
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 23.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 15.777 ng

RT: 16.745 min Scan# 2487

Delta R.T. 0.029 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

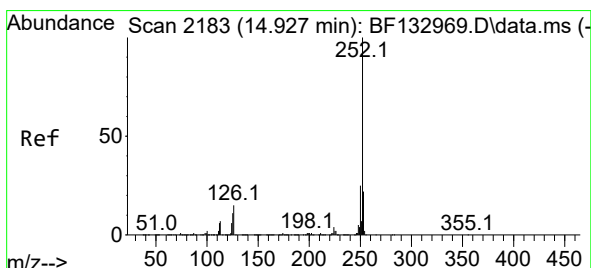
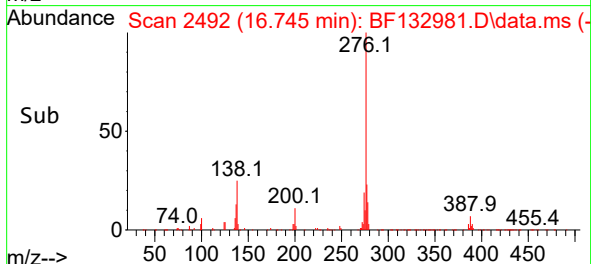
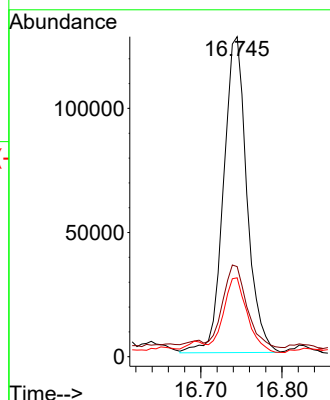
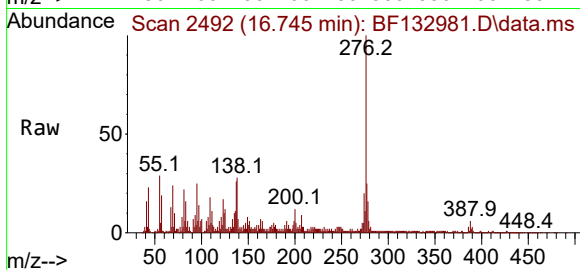
Tgt Ion:276 Resp: 254690

Ion Ratio Lower Upper

276 100

138 27.0 25.5 38.3

277 24.0 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 45.670 ng

RT: 14.939 min Scan# 2185

Delta R.T. 0.012 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

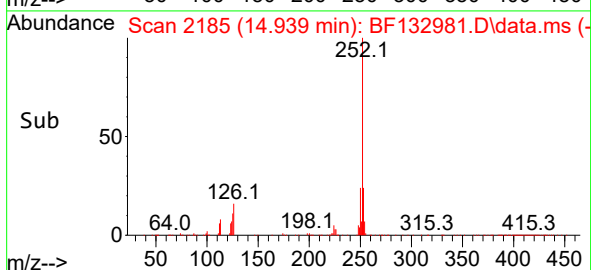
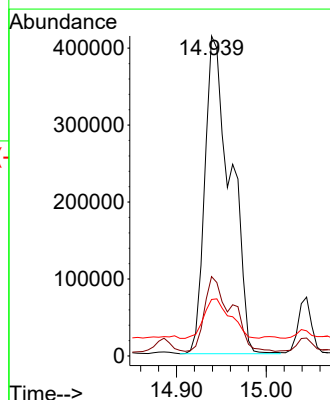
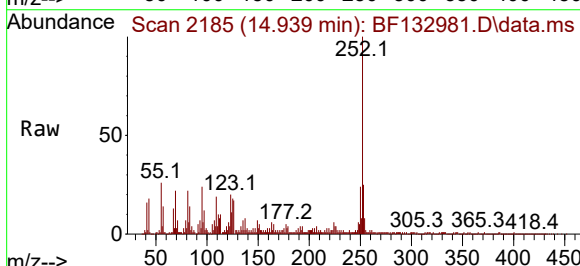
Tgt Ion:252 Resp: 824572

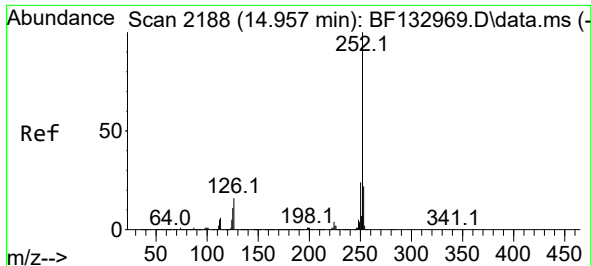
Ion Ratio Lower Upper

252 100

253 24.8 17.6 26.4

125 17.7 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 46.072 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.018 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

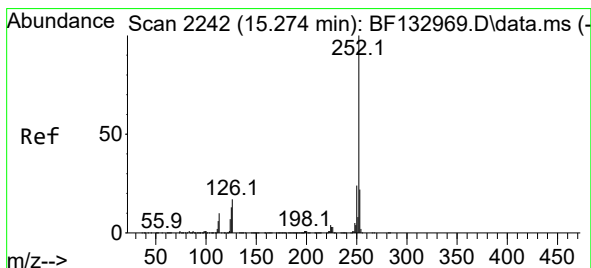
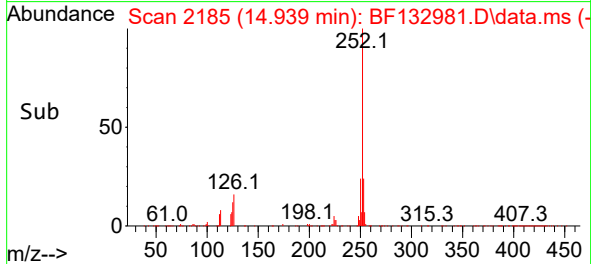
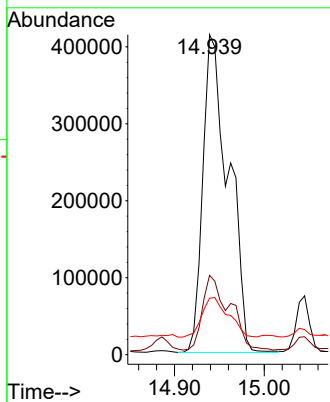
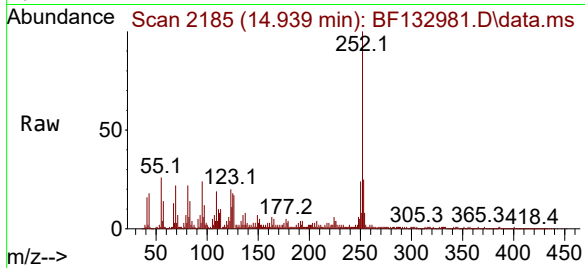
Tgt Ion:252 Resp: 824572

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

125 17.7 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 24.069 ng

RT: 15.292 min Scan# 2245

Delta R.T. 0.018 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

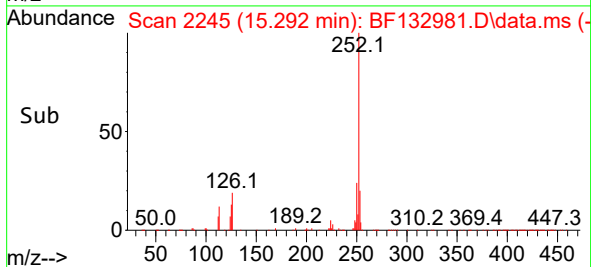
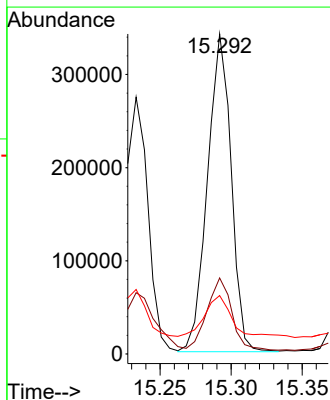
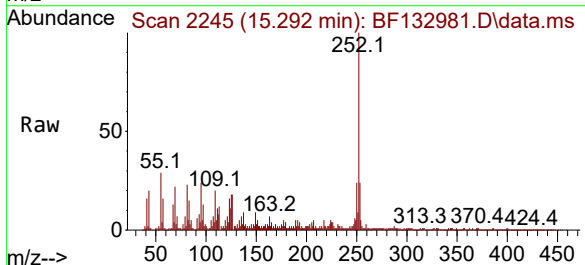
Tgt Ion:252 Resp: 395542

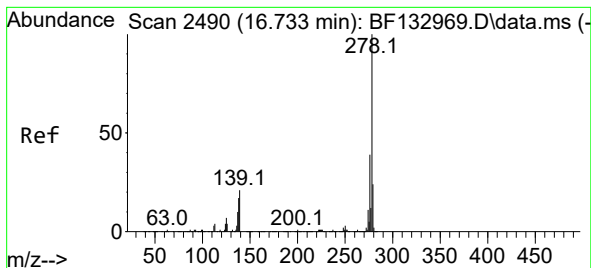
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 18.3 10.5 15.7#





#91

Dibenzo(a,h)anthracene

Concen: 5.029 ng

RT: 16.762 min Scan# 2495

Delta R.T. 0.029 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Instrument :

BNA_F

ClientSampleId :

SPB-1WC-23-04-17

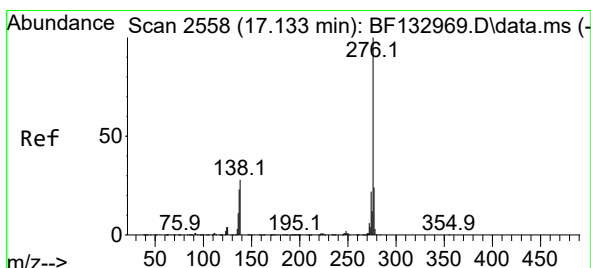
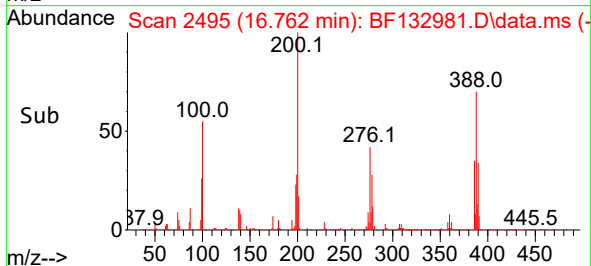
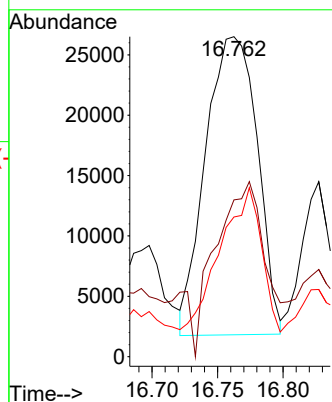
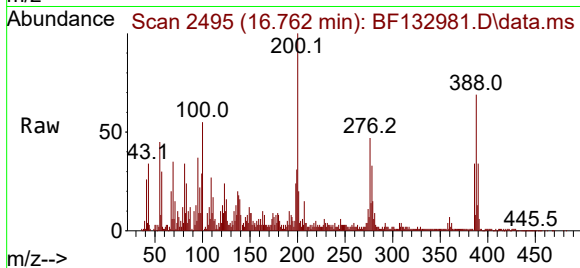
Tgt Ion:278 Resp: 67717

Ion Ratio Lower Upper

278 100

139 49.0 16.6 24.8#

279 43.7 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 18.243 ng

RT: 17.162 min Scan# 2563

Delta R.T. 0.029 min

Lab File: BF132981.D

Acq: 21 Apr 2023 21:34

Tgt Ion:276 Resp: 242500

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 28.8 22.7 34.1

