

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042123\
 Data File : BF132982.D
 Acq On : 21 Apr 2023 22:05
 Operator : CG\JU
 Sample : 02389-27 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPB-7WC-23-04-17

Quant Time: Apr 22 04:31:33 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)

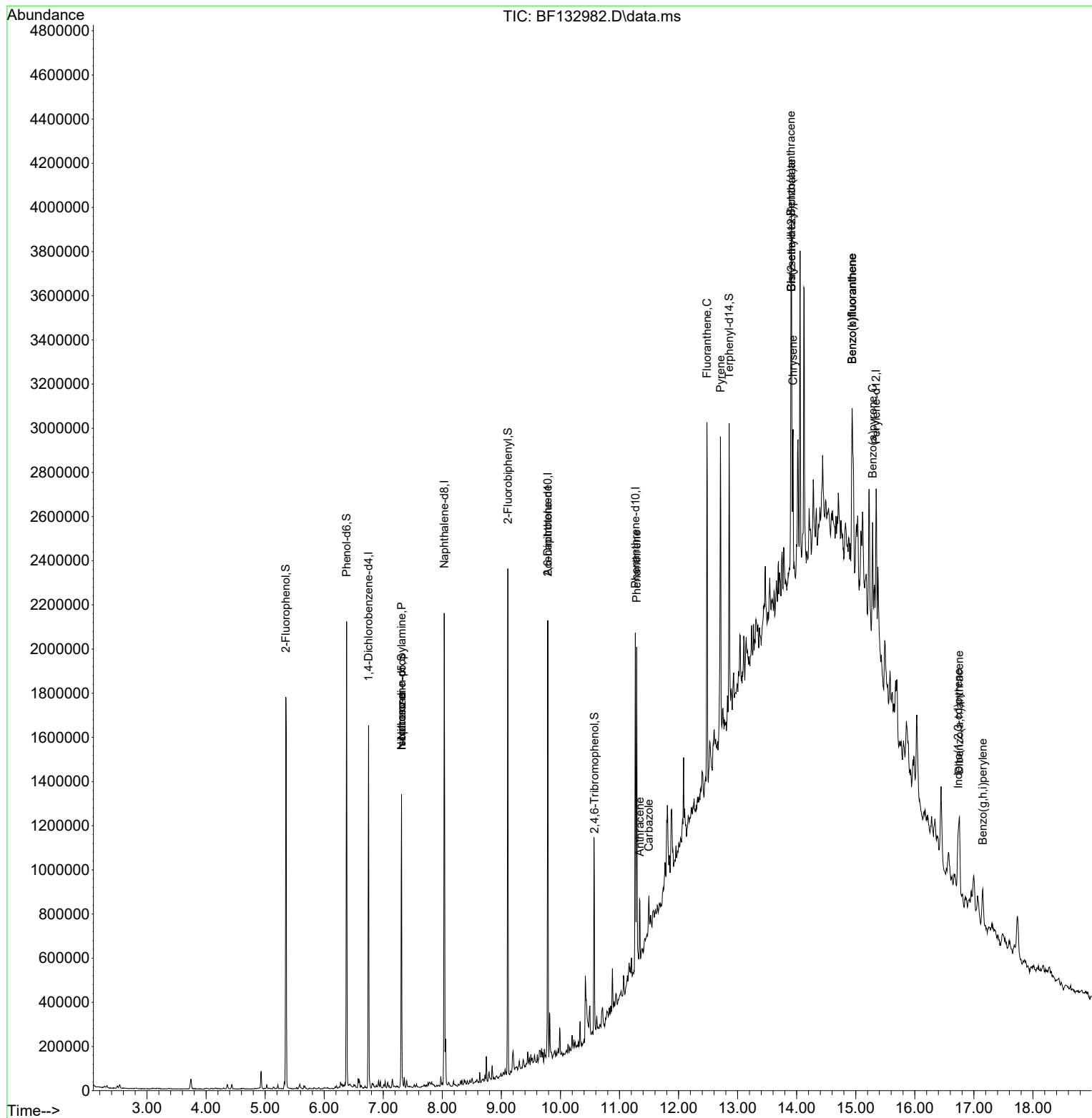
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	204778	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	777969	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	352439	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	512848	20.000	ng	0.00
76) Chrysene-d12	13.910	240	344543	20.000	ng	# 0.00
86) Perylene-d12	15.345	264	312874	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	476495	35.150	ng	0.00
7) Phenol-d6	6.381	99	572004	33.996	ng	0.00
23) Nitrobenzene-d5	7.310	82	339048	23.524	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	90819	25.623	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	583447	27.696	ng	0.00
79) Terphenyl-d14	12.857	244	430704	21.560	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.292	77	4443	Below Cal	#	81
19) n-Nitroso-di-n-propyla...	7.310	70	44724	4.270	ng	# 80
25) Isophorone	7.310	82	337784	12.343	ng	# 63
51) 2,6-Dinitrotoluene	9.786	165	47717	8.627	ng	# 25
71) Phenanthrene	11.292	178	467912	16.975	ng	100
72) Anthracene	11.345	178	107820	3.822	ng	99
73) Carbazole	11.498	167	60072	2.392	ng	95
75) Fluoranthene	12.480	202	659739	23.849	ng	99
78) Pyrene	12.710	202	588079	19.911	ng	98
81) Benzo(a)anthracene	13.904	228	289702	12.227	ng	98
83) Chrysene	13.939	228	296749	12.528	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	149550	11.393	ng	99
87) Indeno(1,2,3-cd)pyrene	16.733	276	135476	7.612	ng	93
88) Benzo(b)fluoranthene	14.939	252	452917	22.754	ng	# 87
89) Benzo(k)fluoranthene	14.939	252	452917	22.954	ng	# 88
90) Benzo(a)pyrene	15.286	252	212796	11.745	ng	# 88
91) Dibenzo(a,h)anthracene	16.751	278	37055	2.496	ng	# 56
92) Benzo(g,h,i)perylene	17.151	276	129255	8.820	ng	95

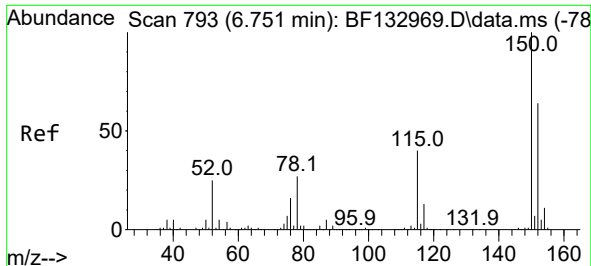
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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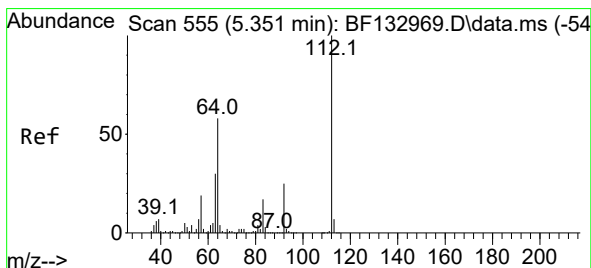
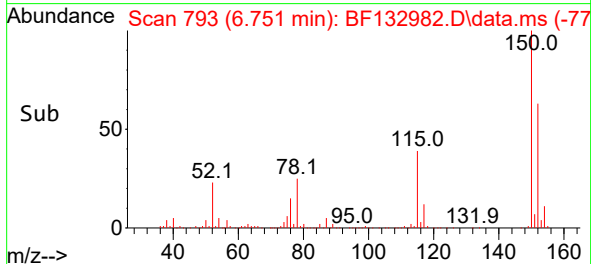
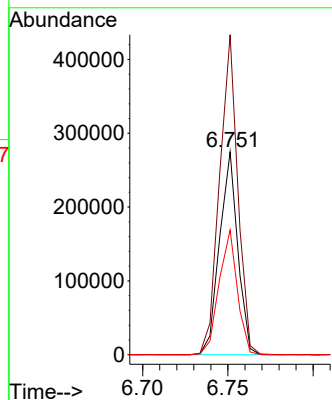
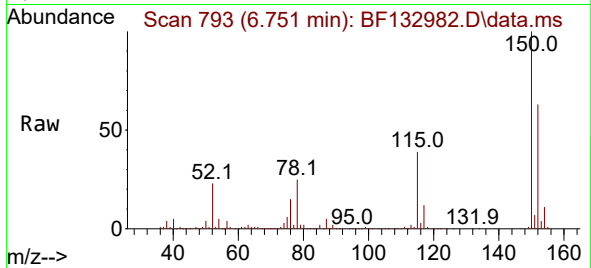




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

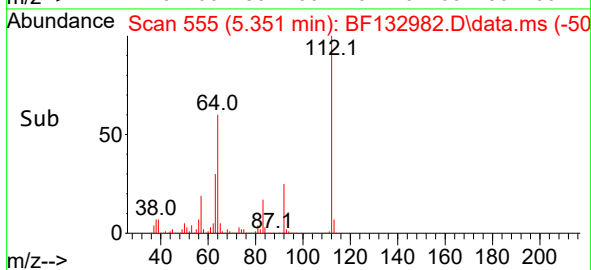
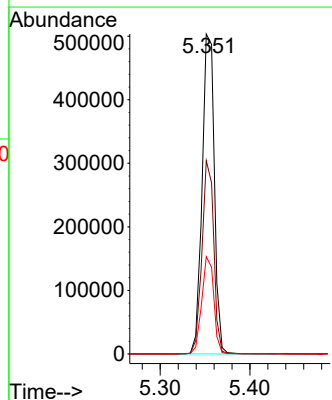
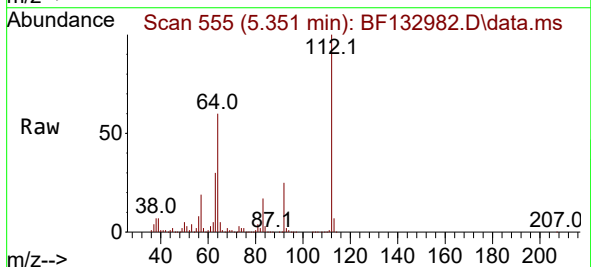
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17

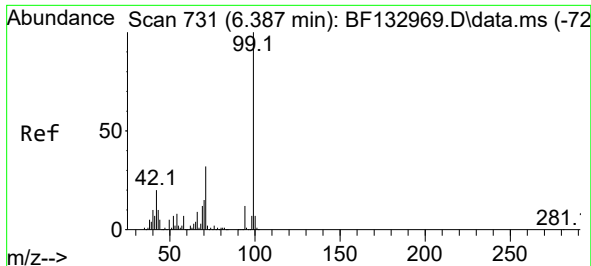
Tgt Ion:152 Resp: 204778
Ion Ratio Lower Upper
152 100
150 157.7 124.8 187.2
115 61.5 49.9 74.9



#5
2-Fluorophenol
Concen: 35.150 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:112 Resp: 476495
Ion Ratio Lower Upper
112 100
64 60.4 46.8 70.2
63 30.4 23.8 35.8

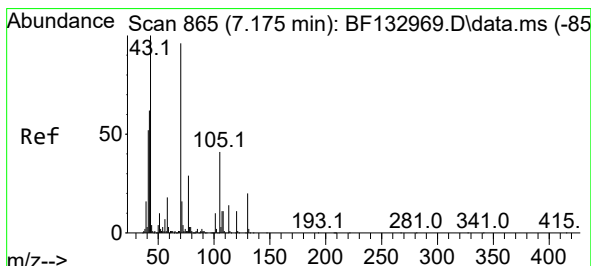
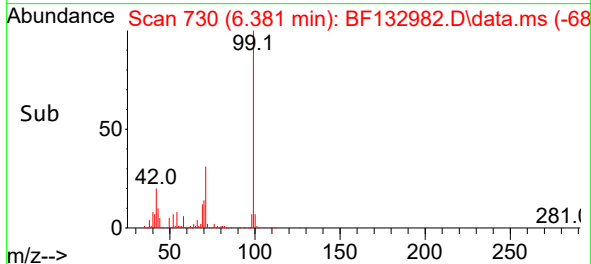
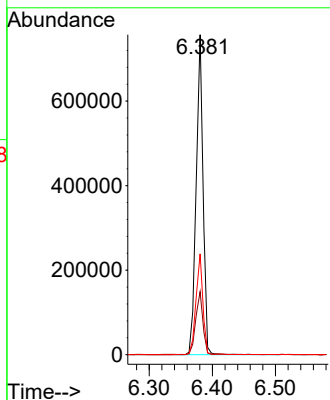
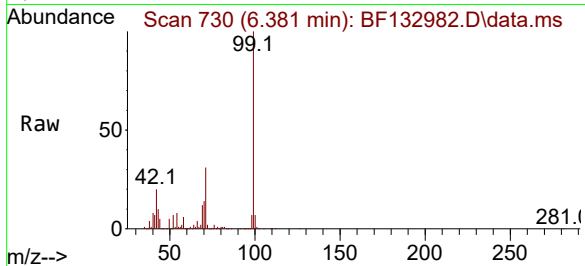




#7
Phenol-d6
Concen: 33.996 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

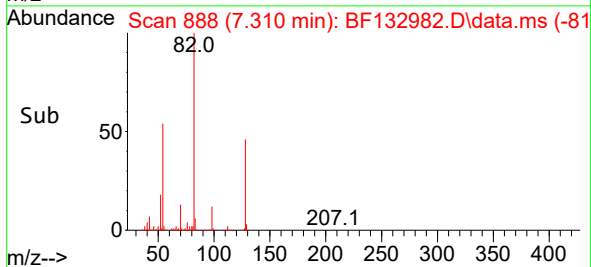
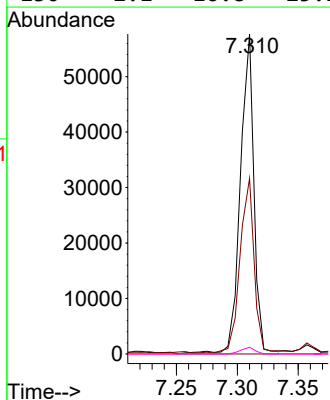
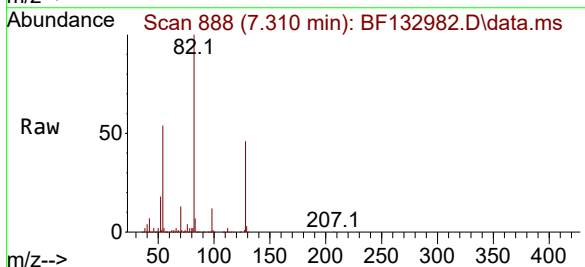
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17

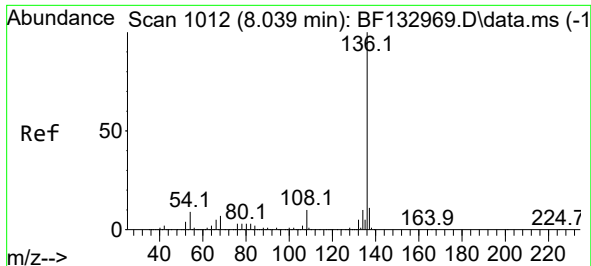
Tgt Ion: 99 Resp: 572004
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.270 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion: 70 Resp: 44724
Ion Ratio Lower Upper
70 100
42 54.9 51.8 77.6
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#

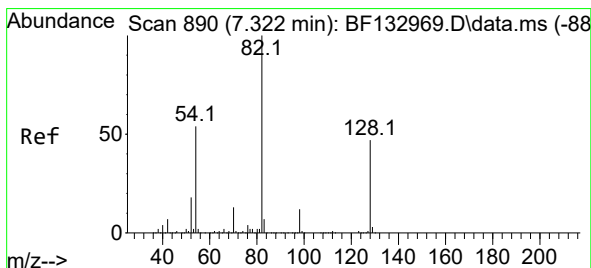
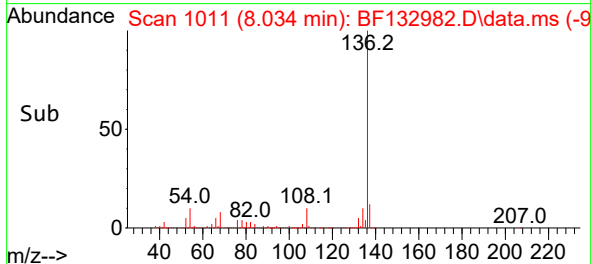
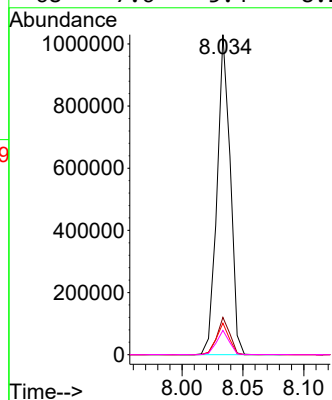
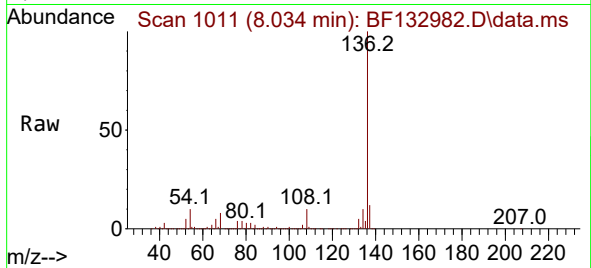




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

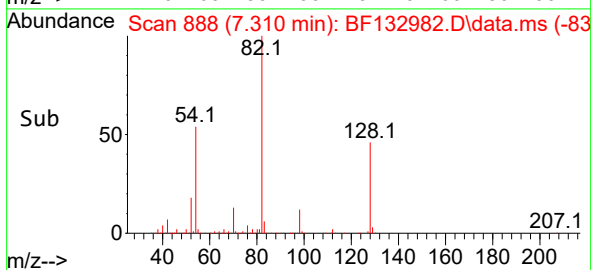
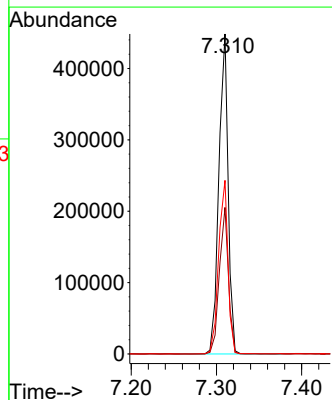
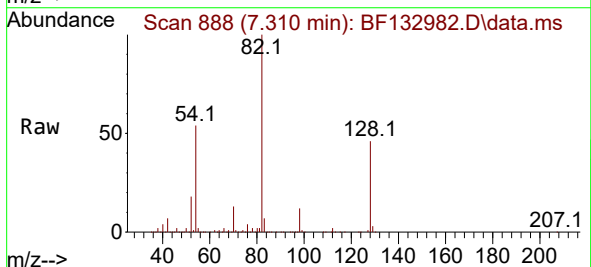
Instrument :
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ClientSampleId :
SPB-7WC-23-04-17

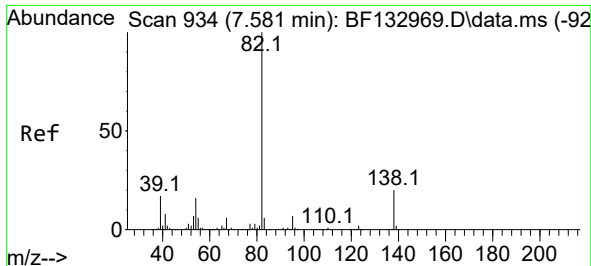
Tgt Ion:136 Resp: 777969
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 9.9 7.0 10.4
68 7.6 5.4 8.2



#23
Nitrobenzene-d5
Concen: 23.524 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion: 82 Resp: 339048
Ion Ratio Lower Upper
82 100
128 45.8 37.7 56.5
54 54.3 43.0 64.4

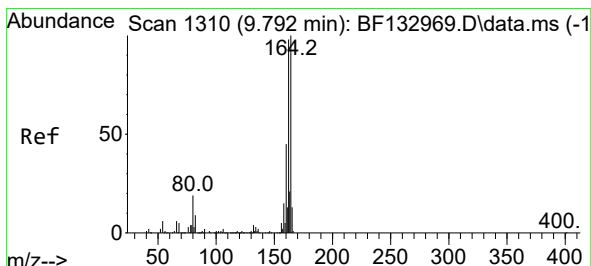
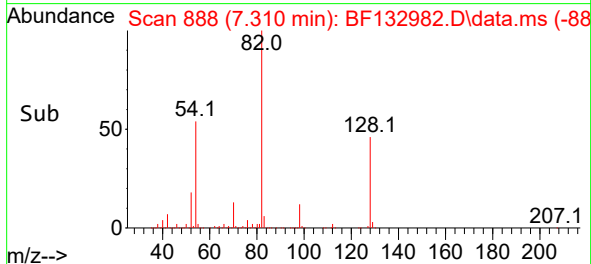
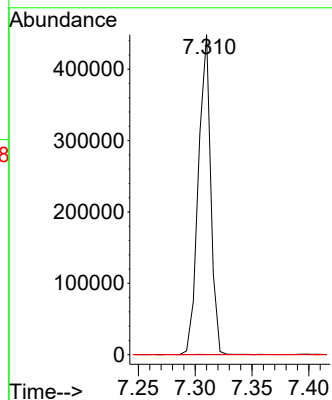
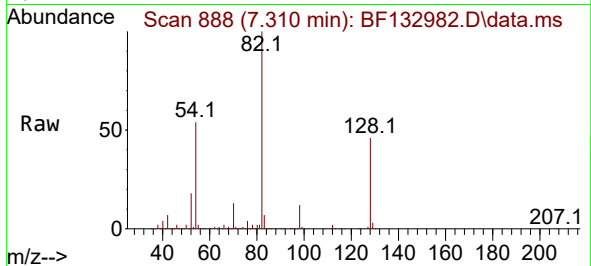




#25
Isophorone
Concen: 12.343 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

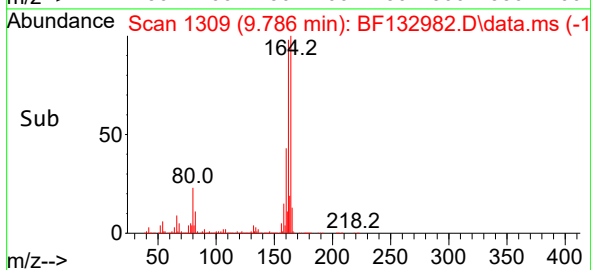
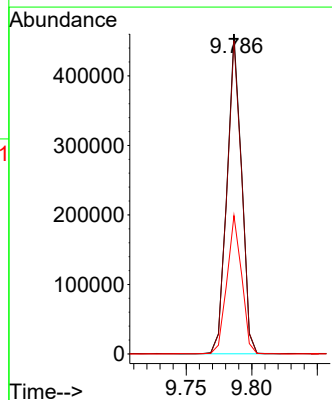
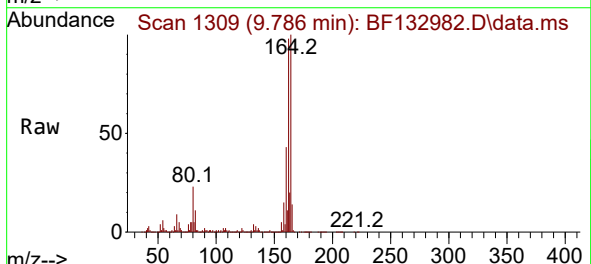
Instrument :
BNA_F
ClientSampleId :
SPB-7WC-23-04-17

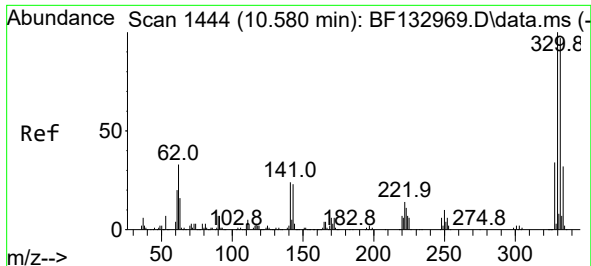
Tgt Ion: 82 Resp: 337784
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:164 Resp: 352439
Ion Ratio Lower Upper
164 100
162 97.9 78.7 118.1
160 43.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 25.623 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

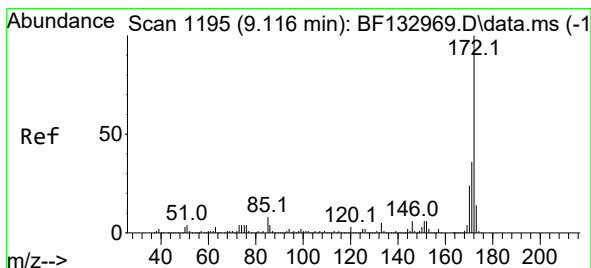
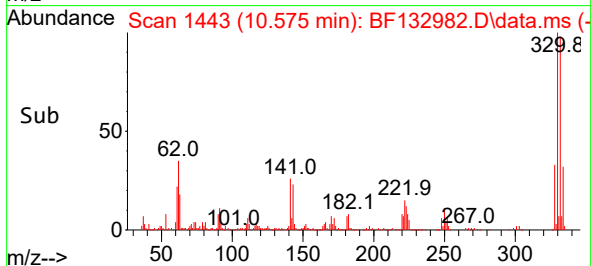
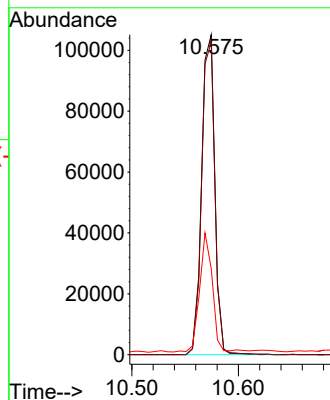
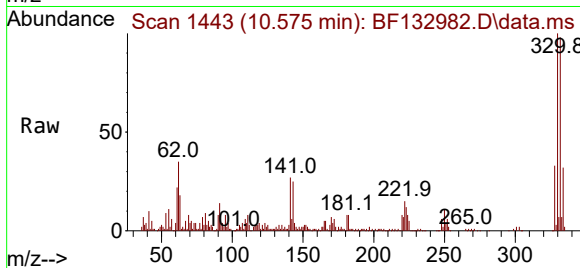
Tgt Ion:330 Resp: 90819

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

141 35.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 27.696 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

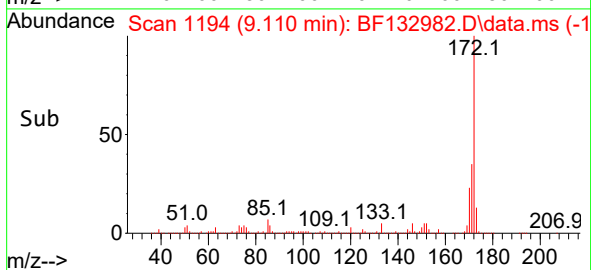
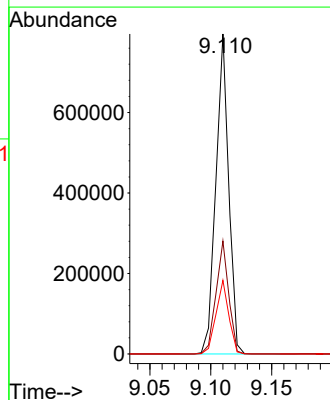
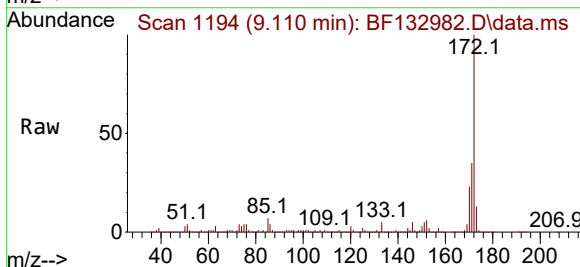
Tgt Ion:172 Resp: 583447

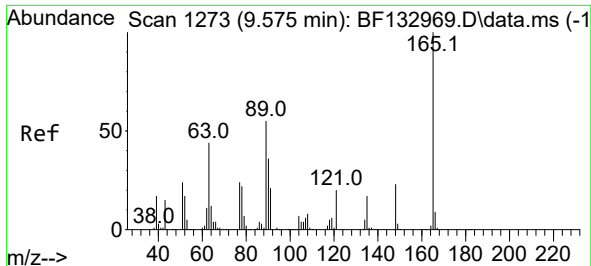
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.0 19.4 29.2

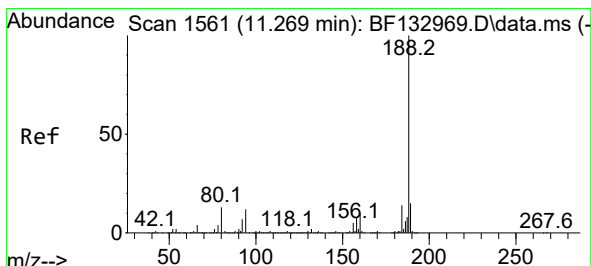
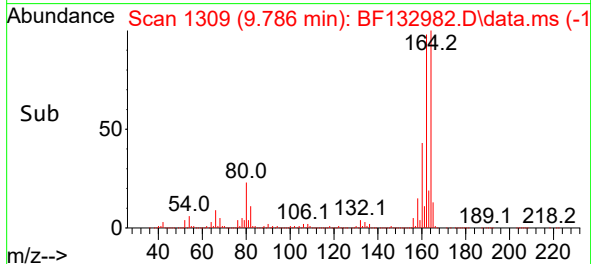
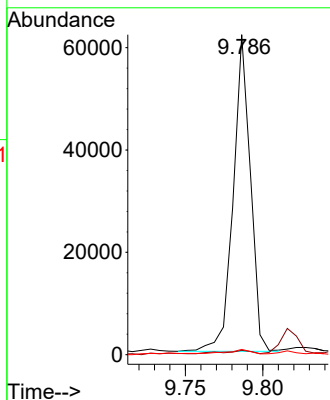
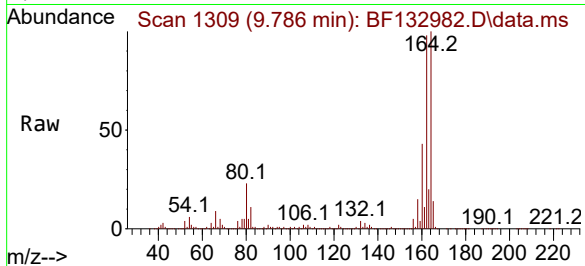




#51
2,6-Dinitrotoluene
Concen: 8.627 ng
RT: 9.786 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

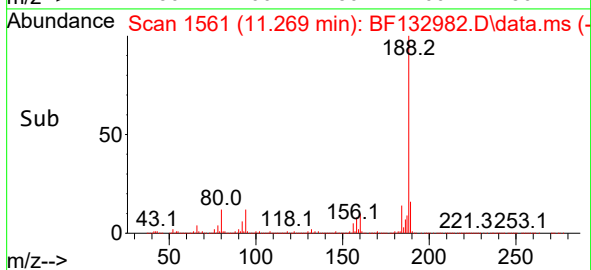
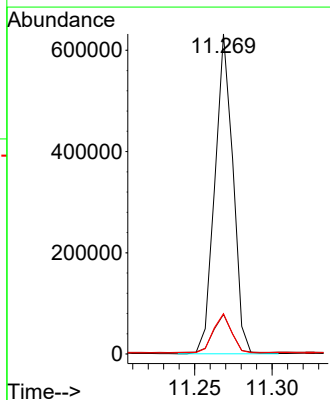
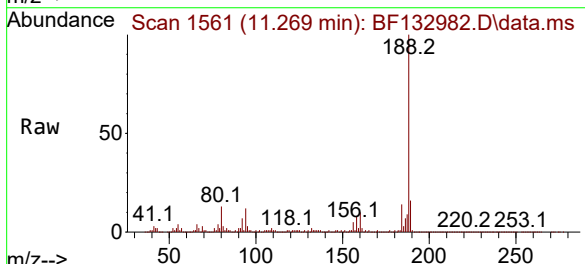
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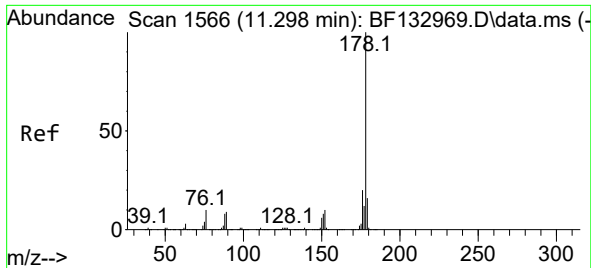
Tgt Ion:165 Resp: 47717
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.6 44.0 66.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:188 Resp: 512848
Ion Ratio Lower Upper
188 100
94 12.3 9.7 14.5
80 12.6 10.4 15.6

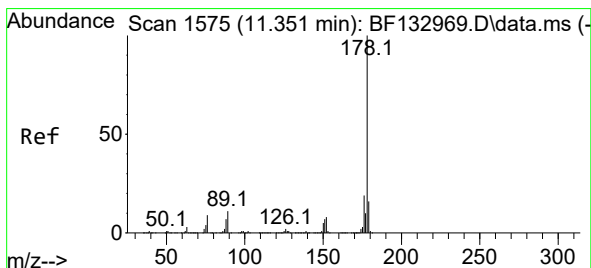
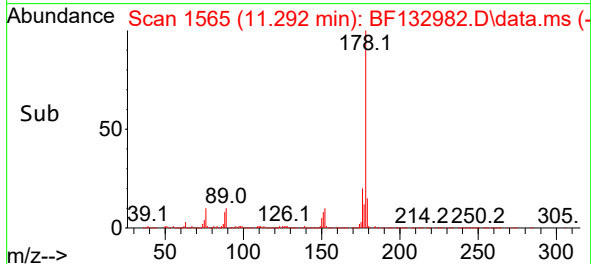
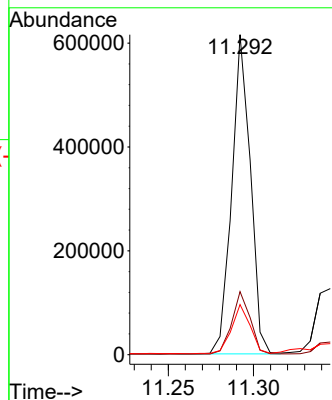
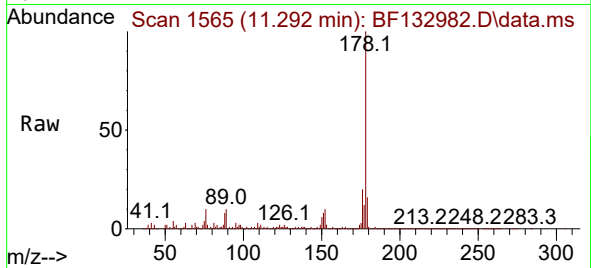




#71
Phenanthrene
Concen: 16.975 ng
RT: 11.292 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

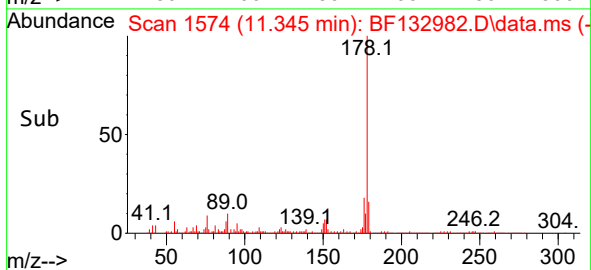
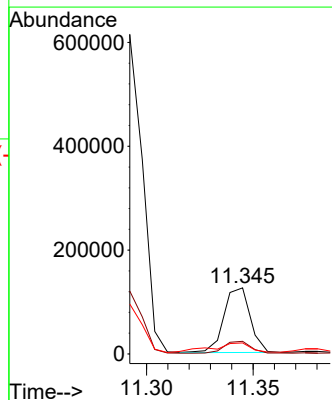
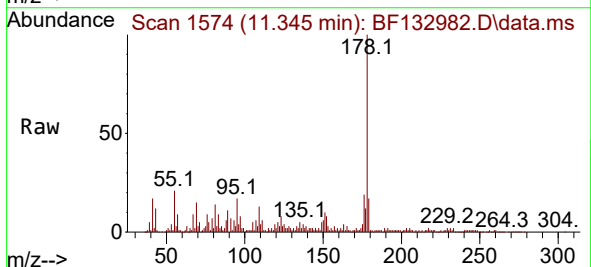
Instrument :
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SPB-7WC-23-04-17

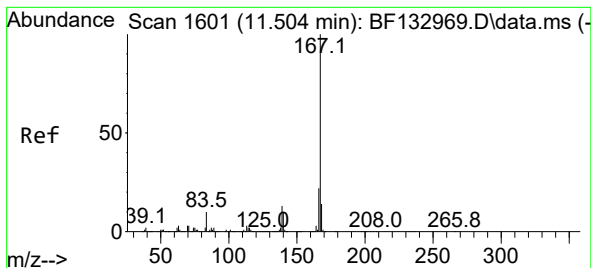
Tgt Ion:178 Resp: 467912
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 3.822 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF132982.D
Acq: 21 Apr 2023 22:05

Tgt Ion:178 Resp: 107820
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 16.6 12.4 18.6





#73

Carbazole

Concen: 2.392 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

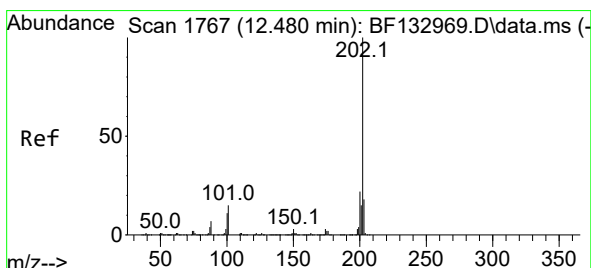
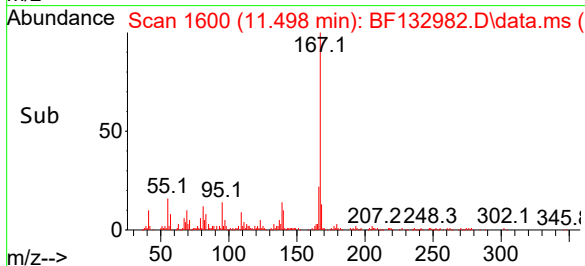
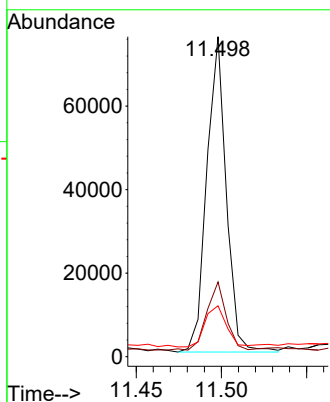
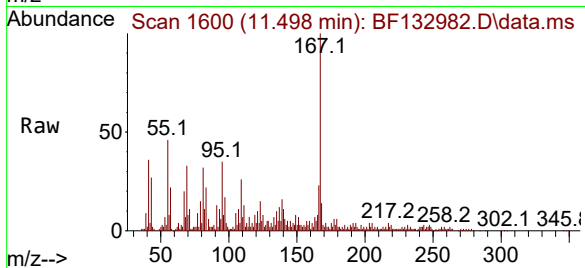
Tgt Ion:167 Resp: 60072

Ion Ratio Lower Upper

167 100

166 23.3 17.4 26.0

139 15.9 10.6 16.0



#75

Fluoranthene

Concen: 23.849 ng

RT: 12.480 min Scan# 1767

Delta R.T. -0.000 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

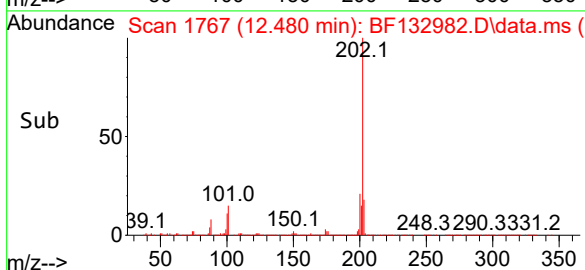
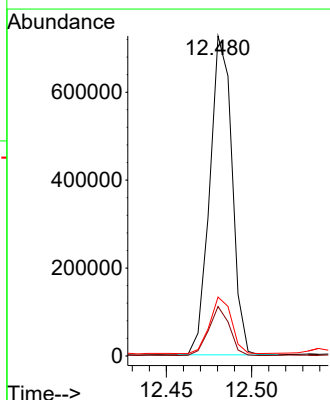
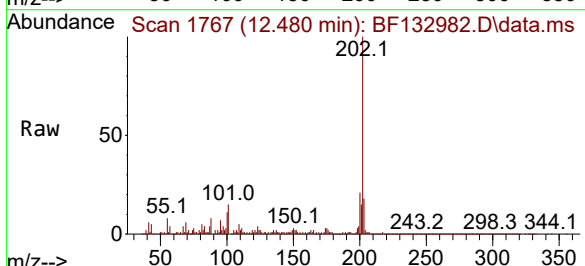
Tgt Ion:202 Resp: 659739

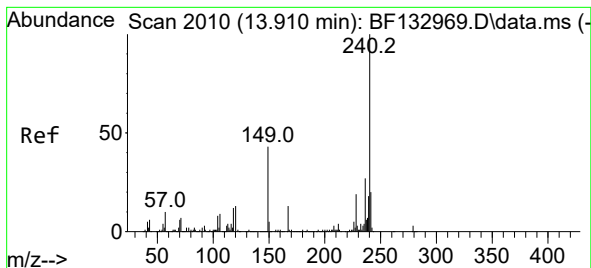
Ion Ratio Lower Upper

202 100

101 15.5 0.0 35.3

203 18.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

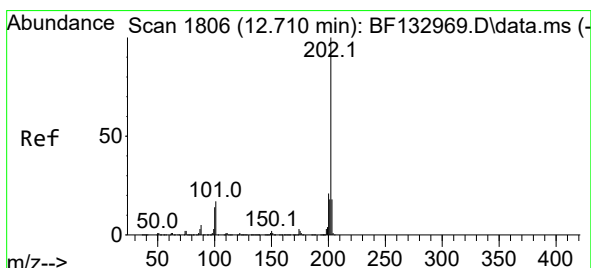
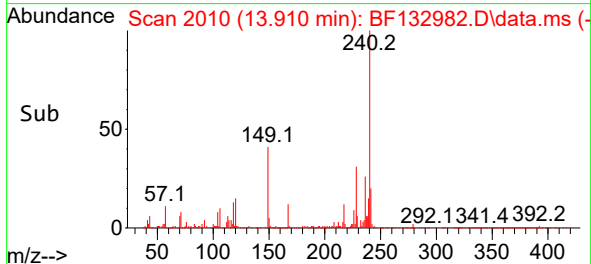
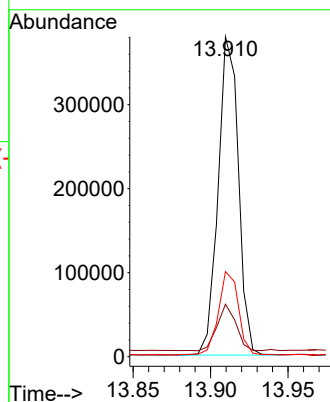
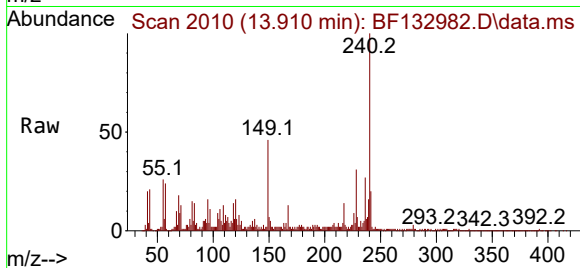
Tgt Ion:240 Resp: 344543

Ion Ratio Lower Upper

240 100

120 16.4 10.5 15.7#

236 26.6 21.5 32.3



#78

Pyrene

Concen: 19.911 ng

RT: 12.710 min Scan# 1806

Delta R.T. -0.000 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

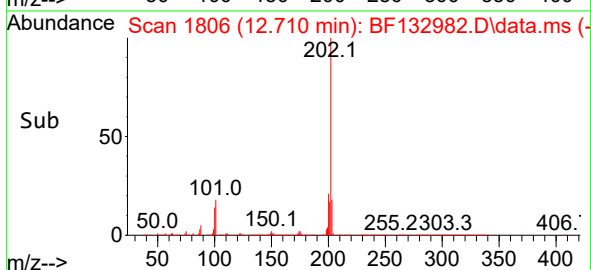
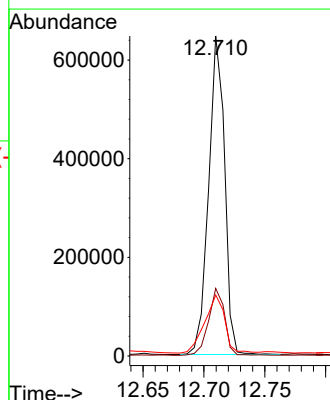
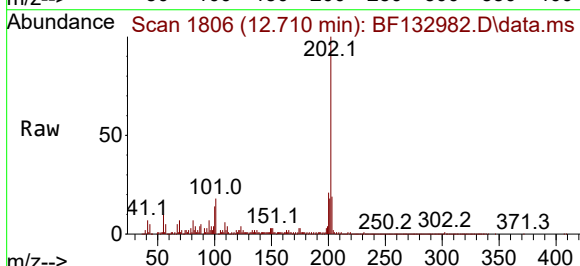
Tgt Ion:202 Resp: 588079

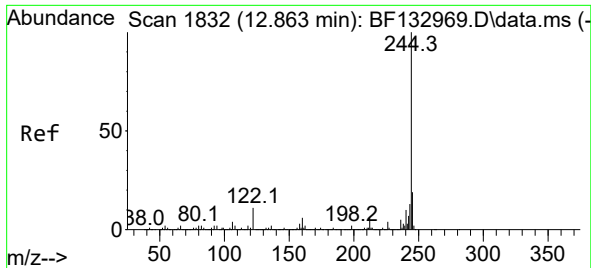
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 19.1 14.1 21.1

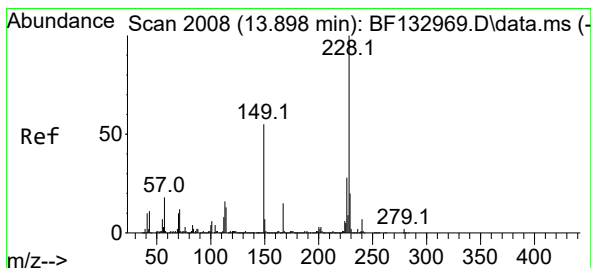
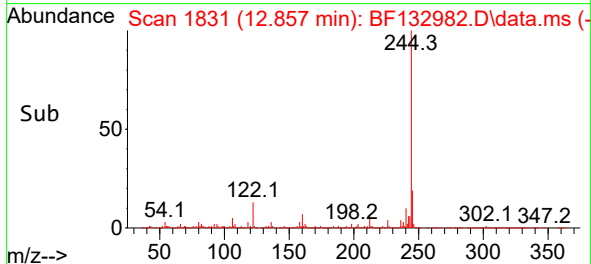
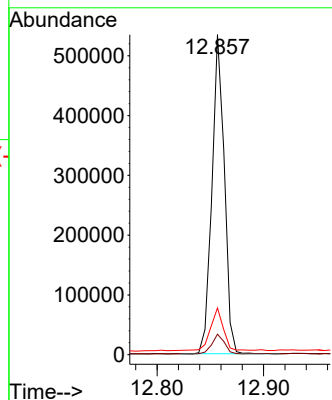
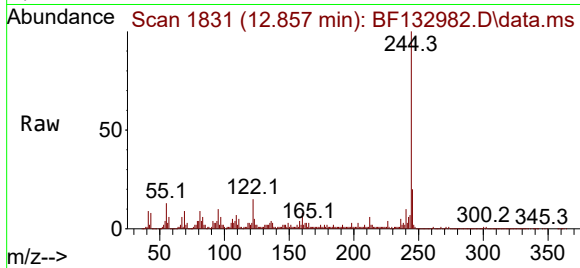




#79
 Terphenyl-d14
 Concen: 21.560 ng
 RT: 12.857 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF132982.D
 Acq: 21 Apr 2023 22:05

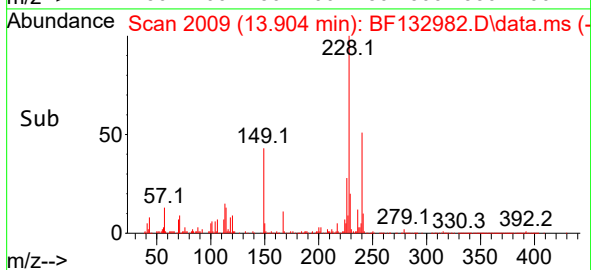
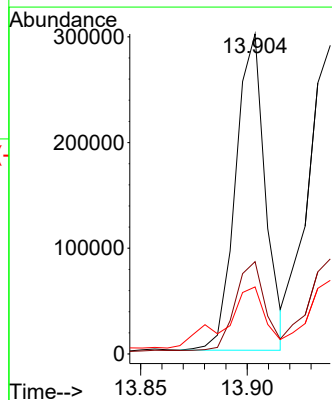
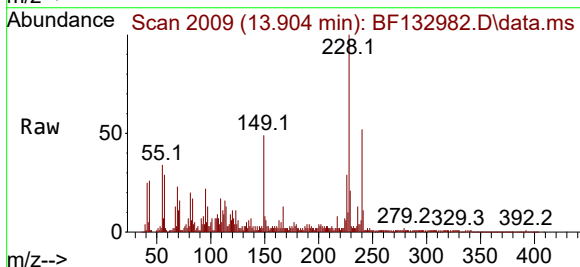
Instrument :
 BNA_F
 ClientSampleId :
 SPB-7WC-23-04-17

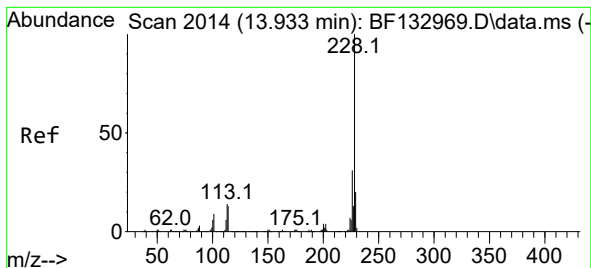
Tgt Ion:244 Resp: 430704
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 14.6 8.6 13.0#



#81
 Benzo(a)anthracene
 Concen: 12.227 ng
 RT: 13.904 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: BF132982.D
 Acq: 21 Apr 2023 22:05

Tgt Ion:228 Resp: 289702
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.2 33.4
 229 20.9 16.0 24.0





#83

Chrysene

Concen: 12.528 ng

RT: 13.939 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

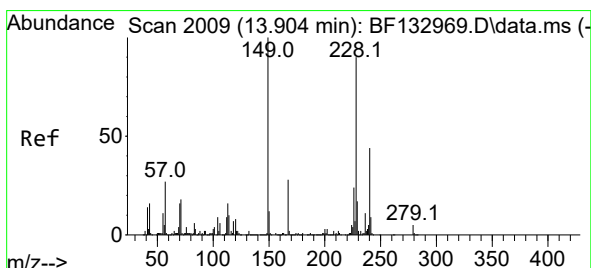
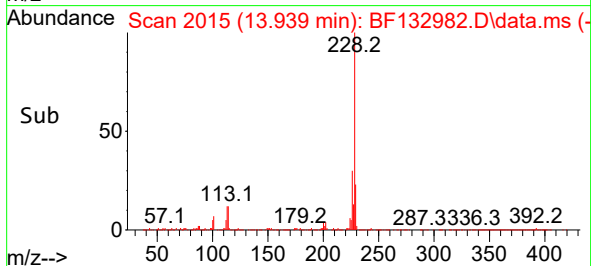
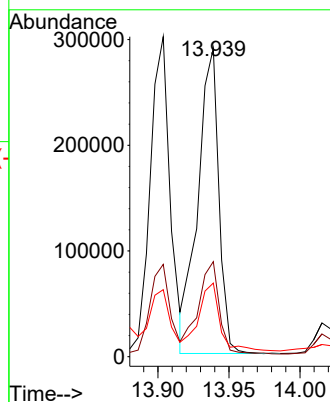
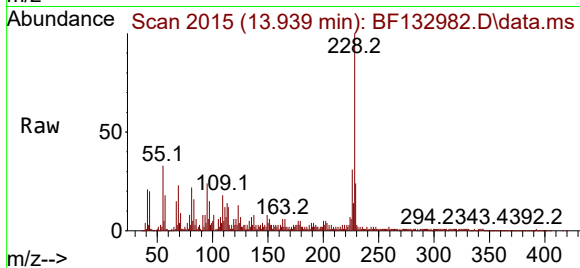
Tgt Ion:228 Resp: 296749

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 23.9 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.393 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

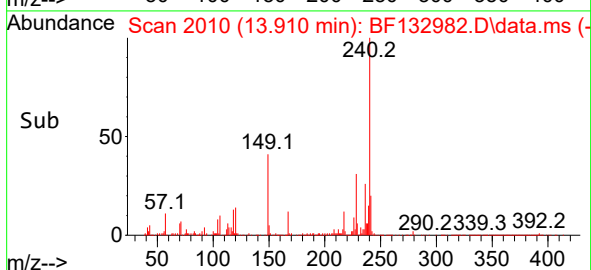
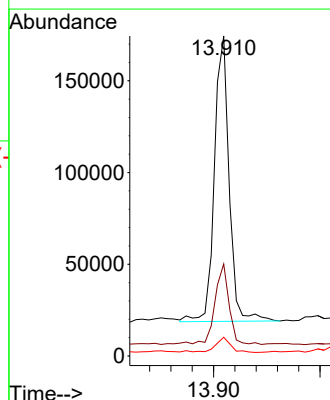
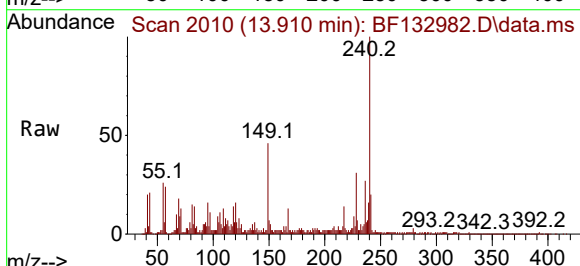
Tgt Ion:149 Resp: 149550

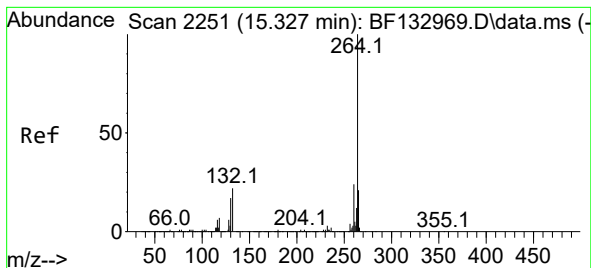
Ion Ratio Lower Upper

149 100

167 28.7 22.5 33.7

279 5.8 4.2 6.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

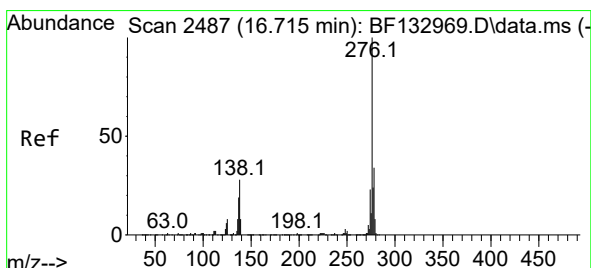
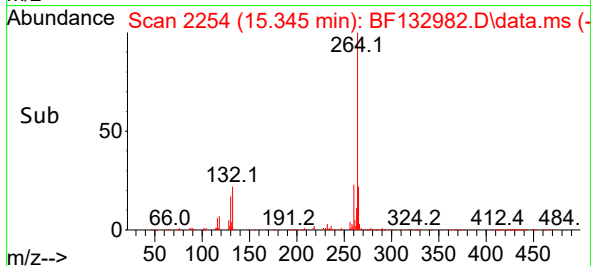
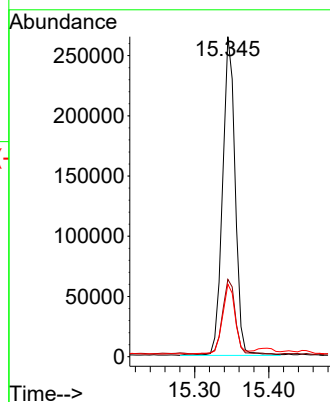
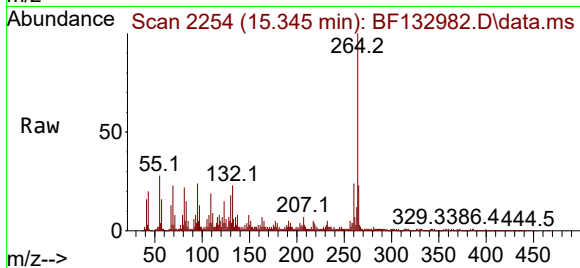
Tgt Ion:264 Resp: 312874

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 22.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.612 ng

RT: 16.733 min Scan# 2490

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

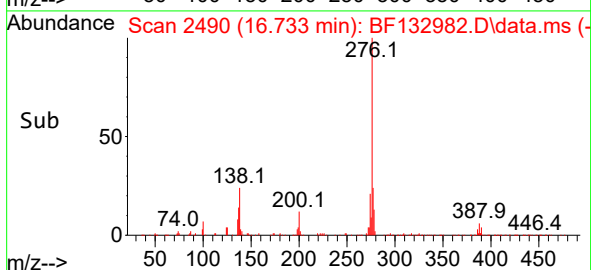
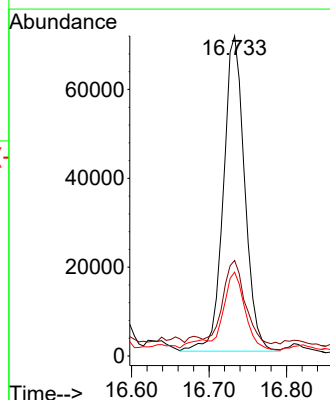
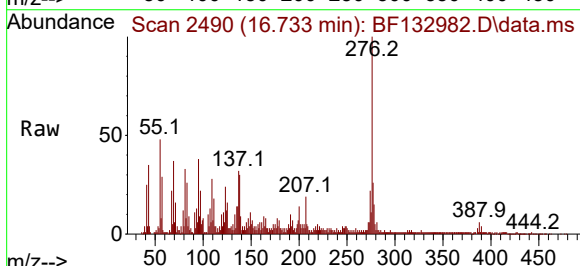
Tgt Ion:276 Resp: 135476

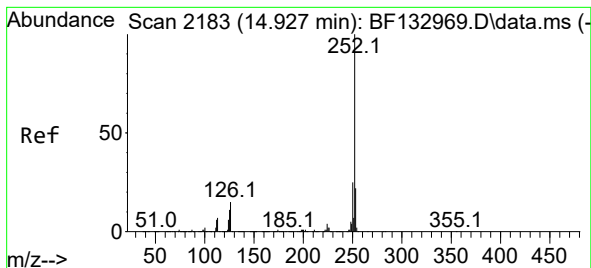
Ion Ratio Lower Upper

276 100

138 27.3 25.5 38.3

277 27.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 22.754 ng

RT: 14.939 min Scan# 2185

Delta R.T. 0.012 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

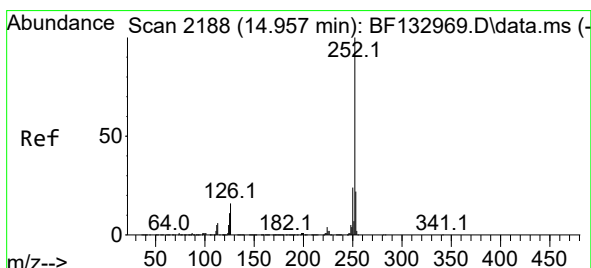
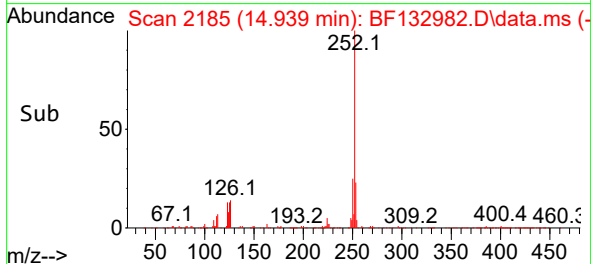
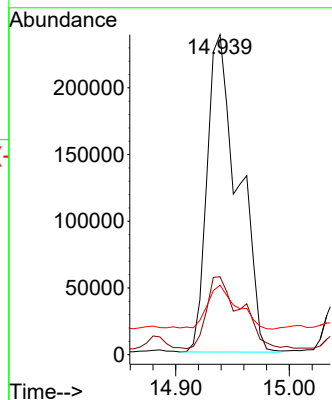
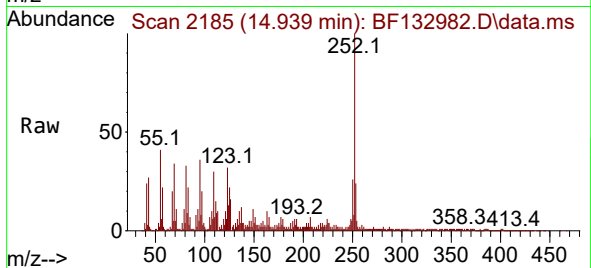
Tgt Ion:252 Resp: 452917

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 21.7 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 22.954 ng

RT: 14.939 min Scan# 2185

Delta R.T. -0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

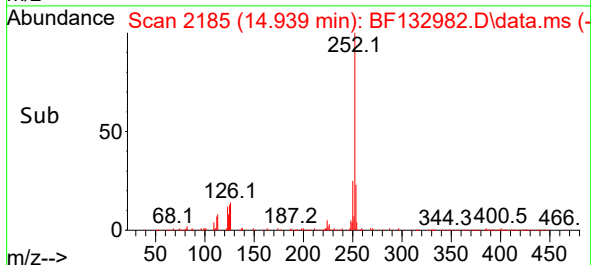
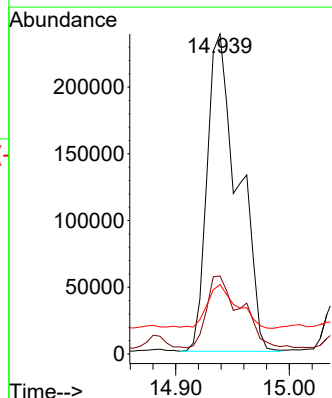
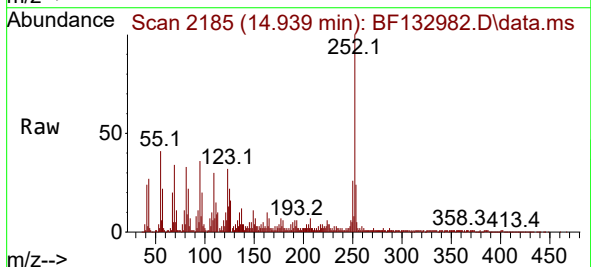
Tgt Ion:252 Resp: 452917

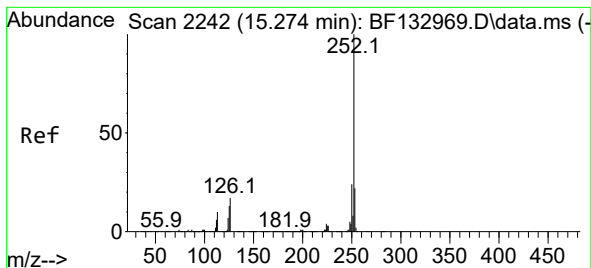
Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 21.7 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 11.745 ng

RT: 15.286 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17

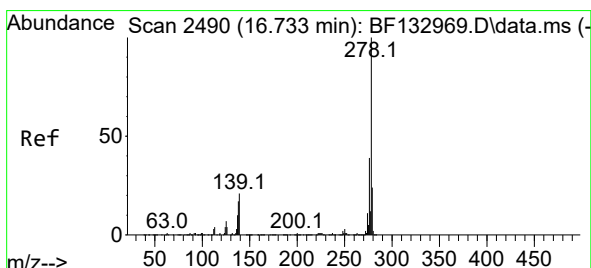
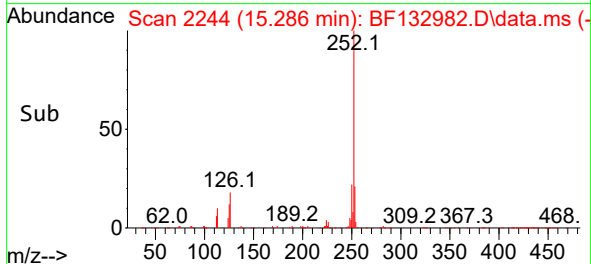
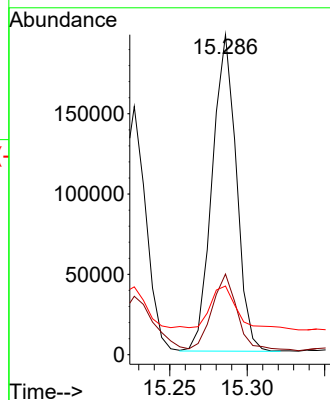
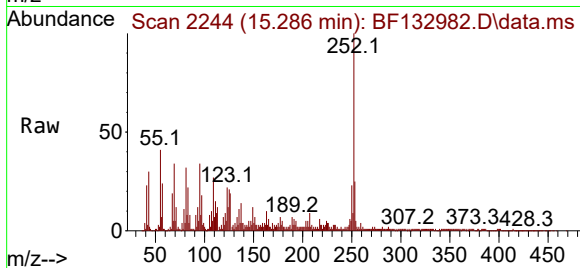
Tgt Ion:252 Resp: 212796

Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

125 21.5 10.5 15.7#



#91

Dibenzo(a,h)anthracene

Concen: 2.496 ng

RT: 16.751 min Scan# 2493

Delta R.T. 0.018 min

Lab File: BF132982.D

Acq: 21 Apr 2023 22:05

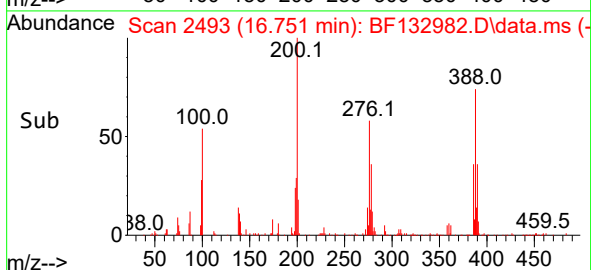
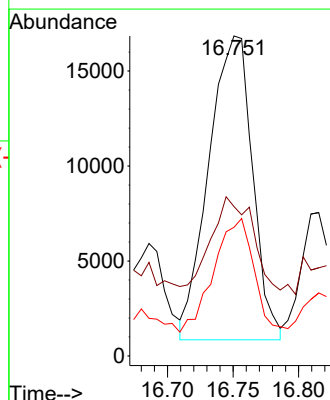
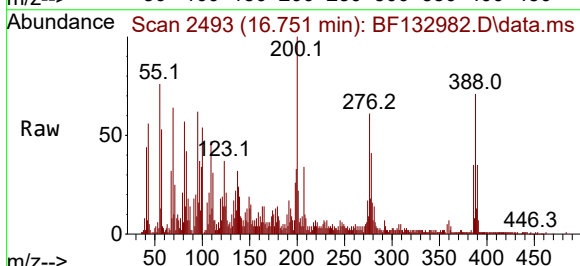
Tgt Ion:278 Resp: 37055

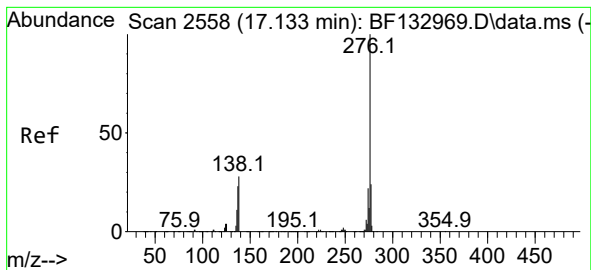
Ion Ratio Lower Upper

278 100

139 46.7 16.6 24.8#

279 40.2 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 8.820 ng

RT: 17.151 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF132982.D

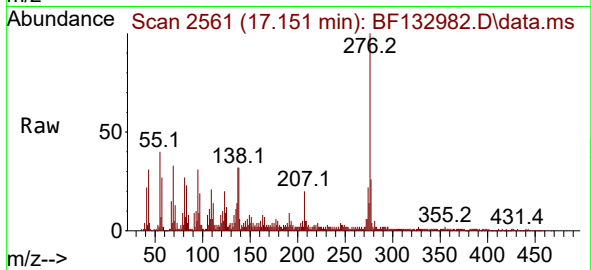
Acq: 21 Apr 2023 22:05

Instrument :

BNA_F

ClientSampleId :

SPB-7WC-23-04-17



Tgt Ion:276 Resp: 129255

Ion Ratio Lower Upper

276 100

277 26.1 19.4 29.0

138 32.0 22.7 34.1

