

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
 Data File : BF131136.D
 Acq On : 10 Nov 2022 22:12
 Operator : CG\JU
 Sample : N5524-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Quant Time: Nov 11 00:51:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

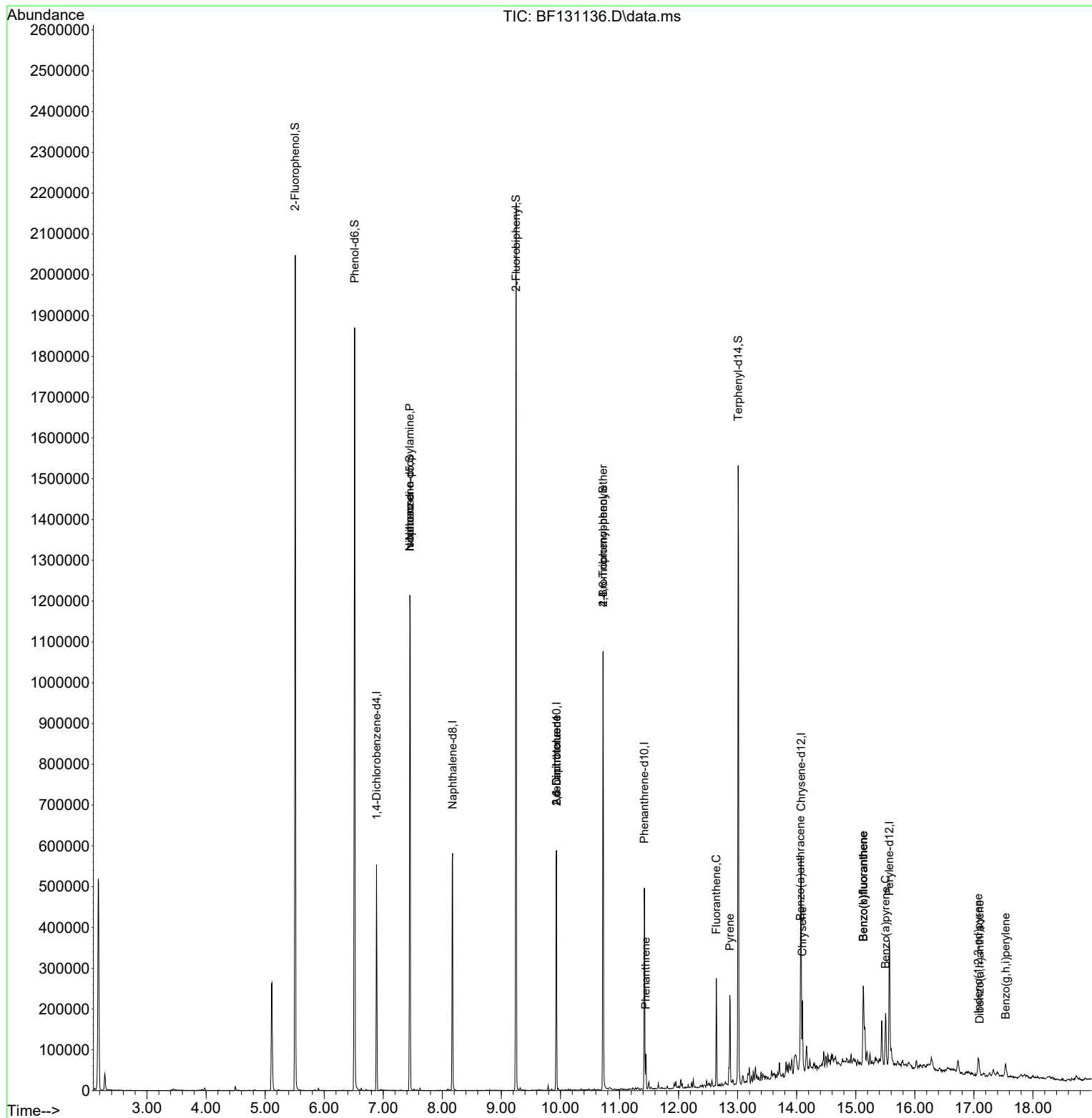
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	67783	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	255751	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	120427	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	168947	20.000	ng	0.00
76) Chrysene-d12	14.074	240	153200	20.000	ng	0.00
86) Perylene-d12	15.568	264	133285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	476348	119.511	ng	0.00
7) Phenol-d6	6.516	99	589931	113.211	ng	0.00
23) Nitrobenzene-d5	7.451	82	397793	70.178	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	112014	90.001	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	642905	74.525	ng	0.00
79) Terphenyl-d14	13.010	244	522642	59.815	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	55163	16.123	ng	# 76
25) Isophorone	7.451	82	397852	45.394	ng	# 68
51) 2,6-Dinitrotoluene	9.933	165	15358	8.158	ng	# 14
57) 2,4-Dinitrotoluene	9.933	165	15358	6.137	ng	# 16
67) 4-Bromophenyl-phenylether	10.722	248	7381	3.864	ng	# 1
71) Phenanthrene	11.445	178	27393	2.948	ng	98
75) Fluoranthene	12.639	202	92134	9.906	ng	98
78) Pyrene	12.868	202	90711	6.901	ng	98
81) Benzo(a)anthracene	14.063	228	57707	5.270	ng	95
83) Chrysene	14.098	228	62564	6.050	ng	96
87) Indeno(1,2,3-cd)pyrene	17.074	276	27538	6.187	ng	98
88) Benzo(b)fluoranthene	15.127	252	134273	14.249	ng	# 96
89) Benzo(k)fluoranthene	15.127	252	134273	14.825	ng	97
90) Benzo(a)pyrene	15.504	252	57010	7.546	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	7105	4.579	ng	# 95
92) Benzo(g,h,i)perylene	17.539	276	24477	6.740	ng	98

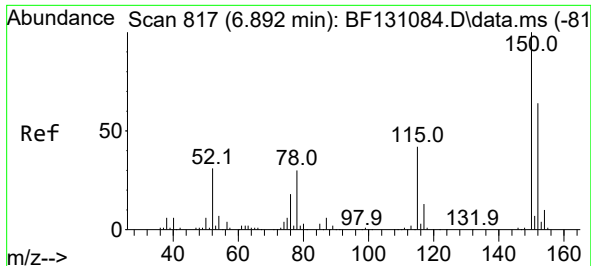
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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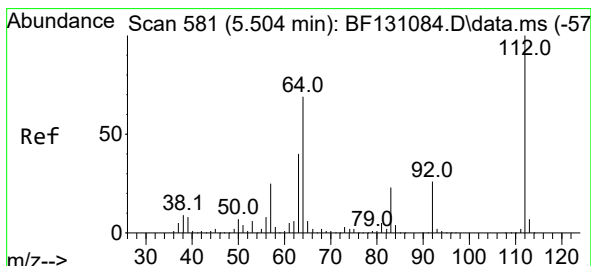
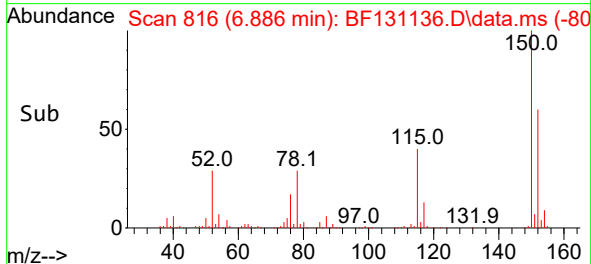
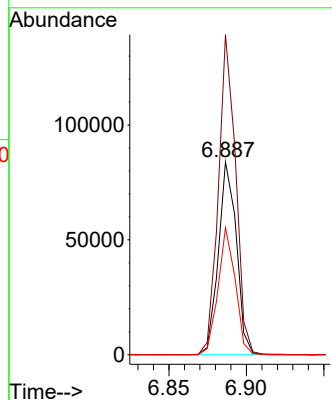
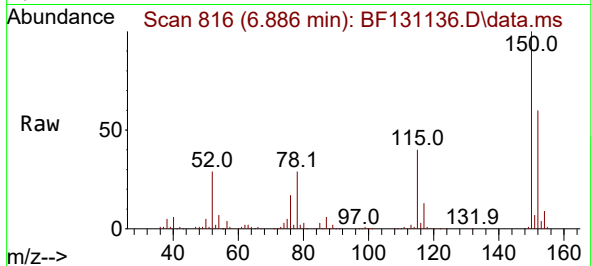




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

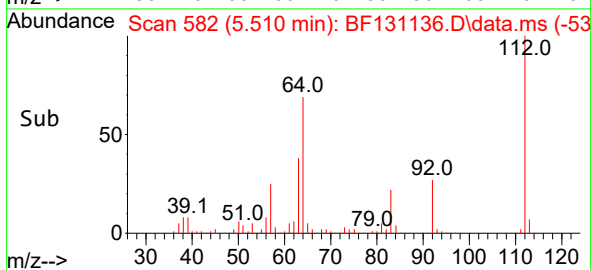
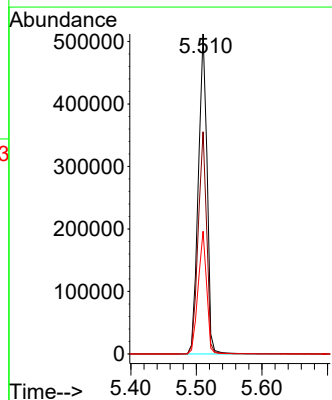
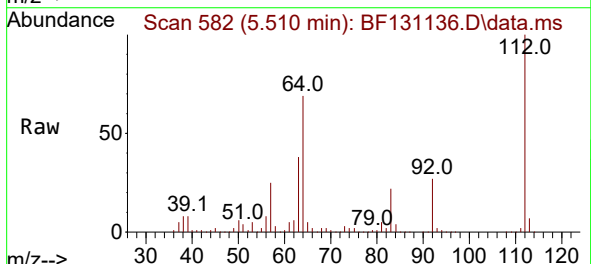
Instrument :
BNA_F
ClientSampleId :
72-11995

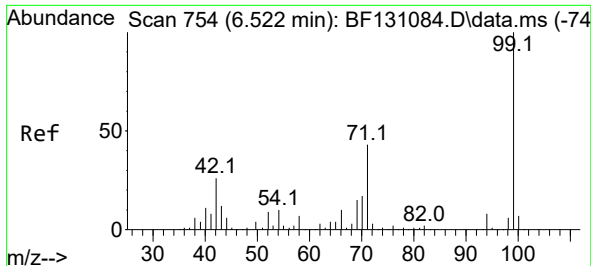
Tgt Ion:152 Resp: 67783
Ion Ratio Lower Upper
152 100
150 165.8 125.5 188.3
115 65.8 52.2 78.2



#5
2-Fluorophenol
Concen: 119.511 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Tgt Ion:112 Resp: 476348
Ion Ratio Lower Upper
112 100
64 69.5 55.1 82.7
63 38.4 32.4 48.6

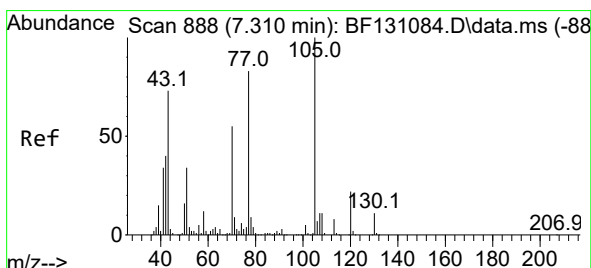
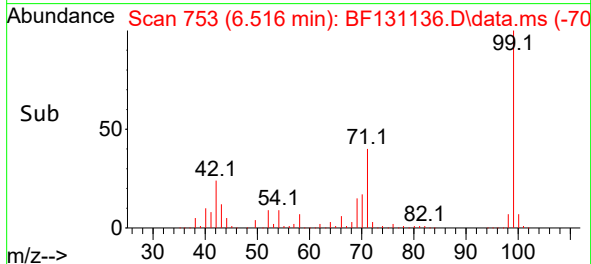
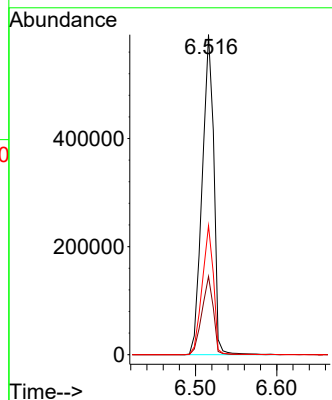
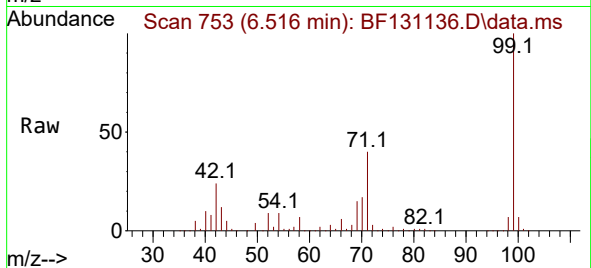




#7
Phenol-d6
Concen: 113.211 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

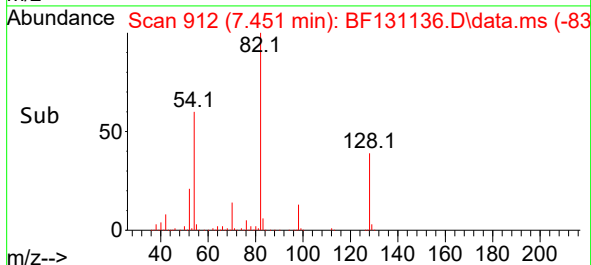
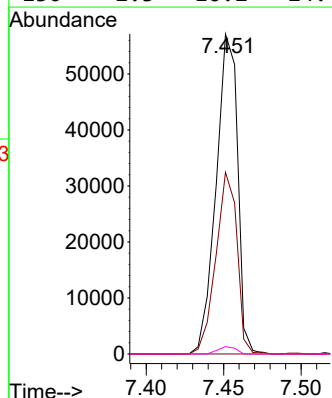
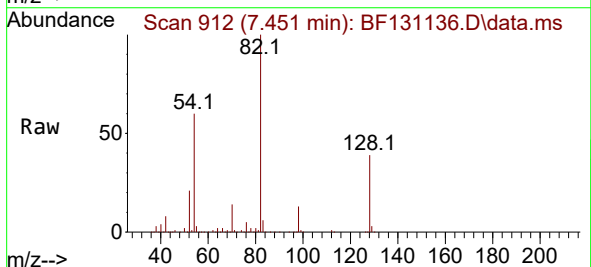
Instrument :
BNA_F
ClientSampleId :
72-11995

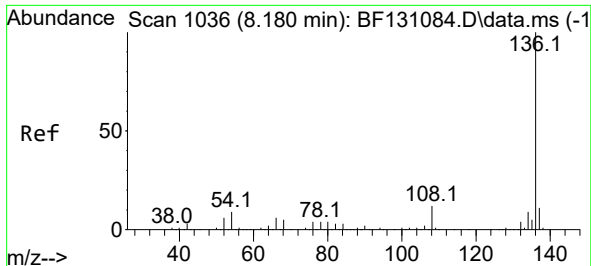
Tgt Ion: 99 Resp: 589931
Ion Ratio Lower Upper
99 100
42 24.4 20.8 31.2
71 40.3 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.123 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

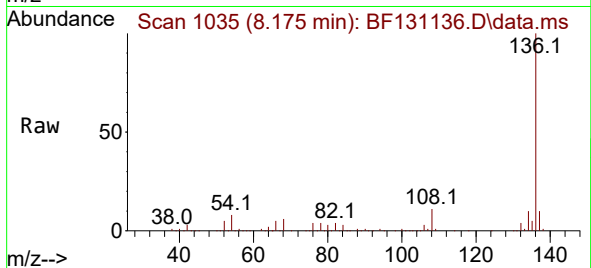
Tgt Ion: 70 Resp: 55163
Ion Ratio Lower Upper
70 100
42 56.8 58.3 87.5#
101 0.0 7.4 11.2#
130 2.3 16.2 24.4#



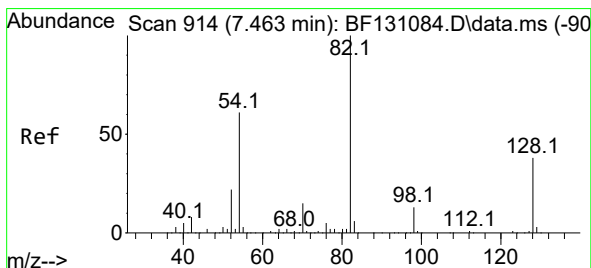
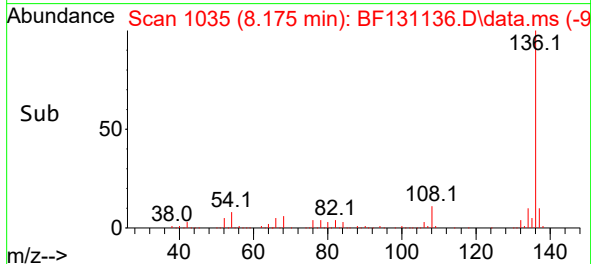
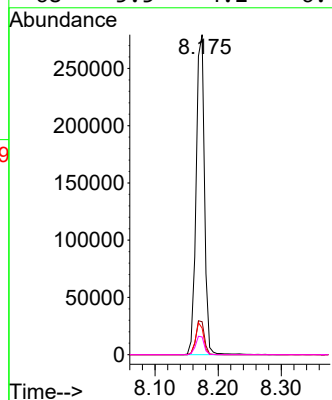


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Instrument :
BNA_F
ClientSampleId :
72-11995

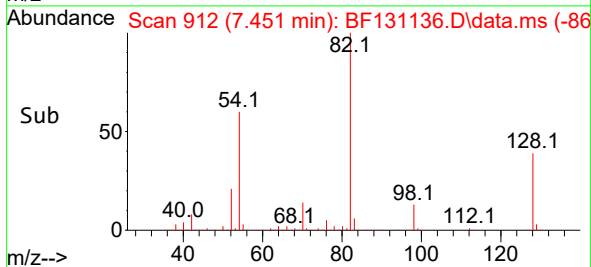
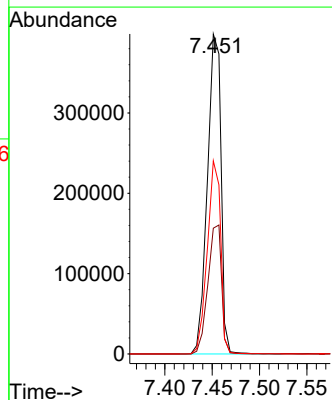
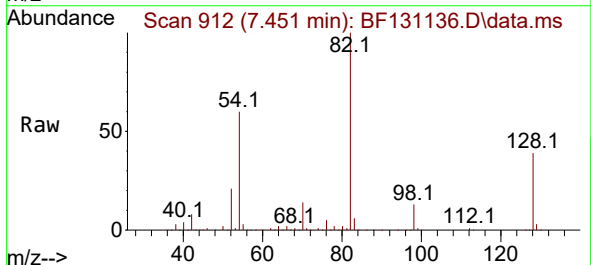


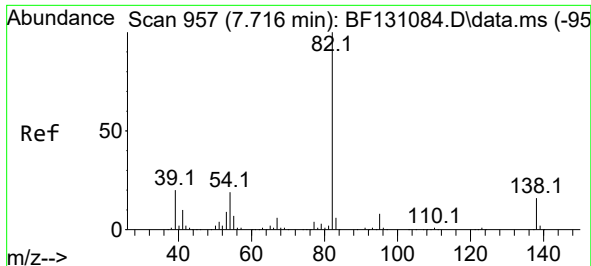
Tgt Ion:136 Resp: 255751
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 8.3 7.2 10.8
68 5.5 4.2 6.4



#23
Nitrobenzene-d5
Concen: 70.178 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Tgt Ion: 82 Resp: 397793
Ion Ratio Lower Upper
82 100
128 39.3 30.5 45.7
54 60.4 49.1 73.7

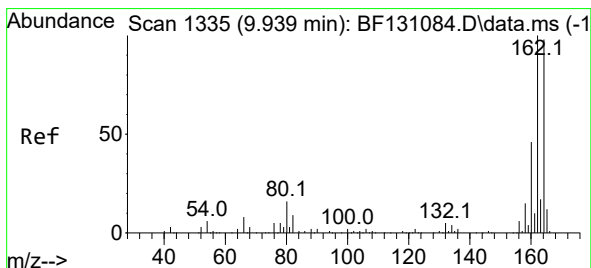
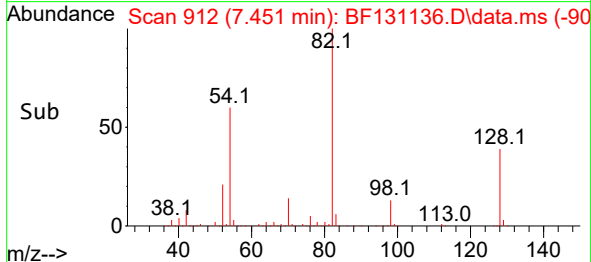
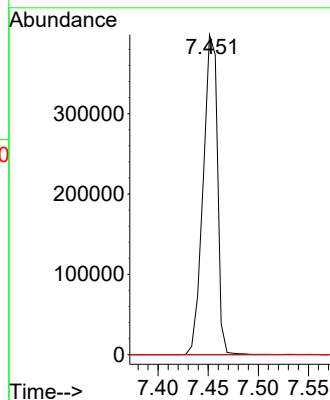
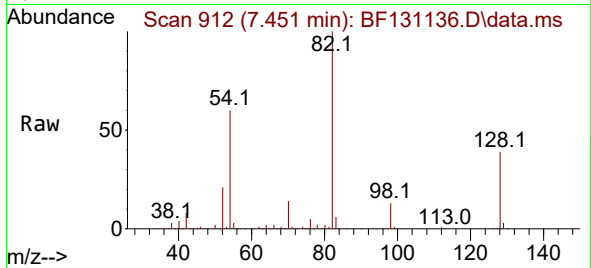




#25
Isophorone
Concen: 45.394 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

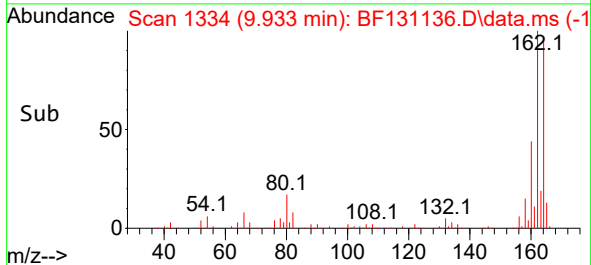
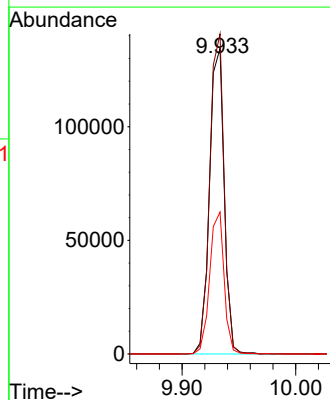
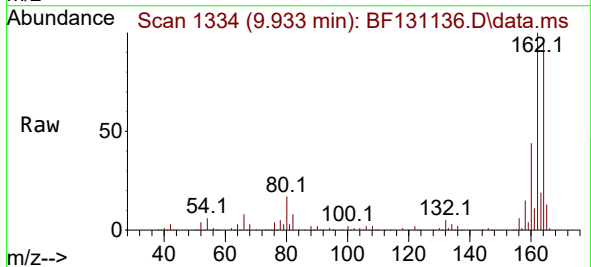
Instrument :
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ClientSampleId :
72-11995

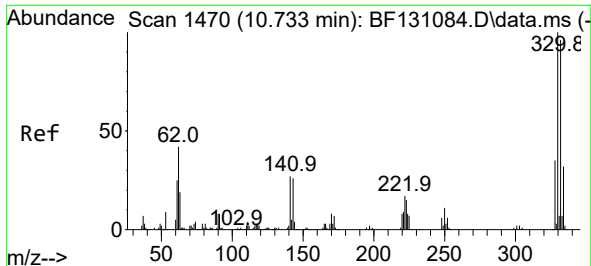
Tgt Ion: 82 Resp: 397852
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Tgt Ion:164 Resp: 120427
Ion Ratio Lower Upper
164 100
162 104.7 81.7 122.5
160 46.4 37.4 56.2





#42

2,4,6-Tribromophenol

Concen: 90.001 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.012 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

Instrument :

BNA_F

ClientSampleId :

72-11995

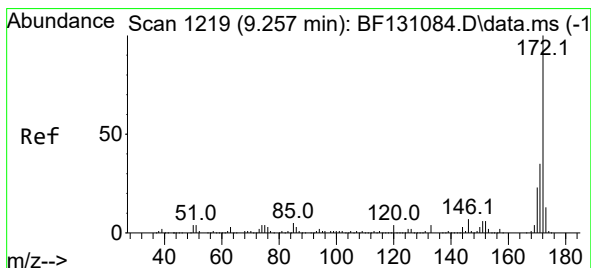
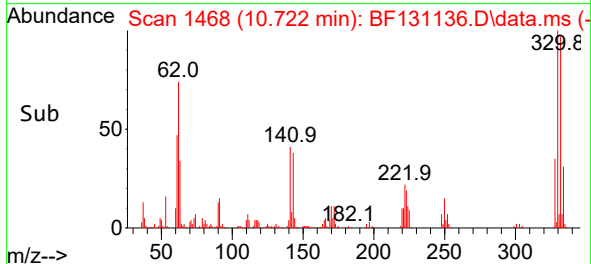
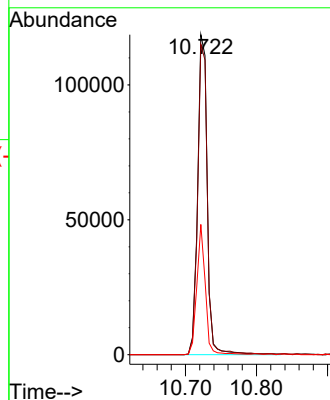
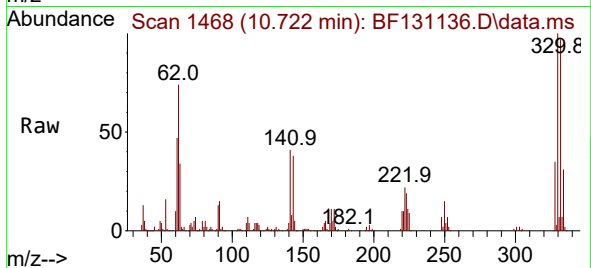
Tgt Ion:330 Resp: 112014

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.4

141 36.1 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 74.525 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

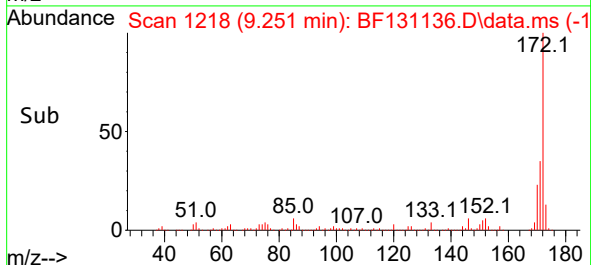
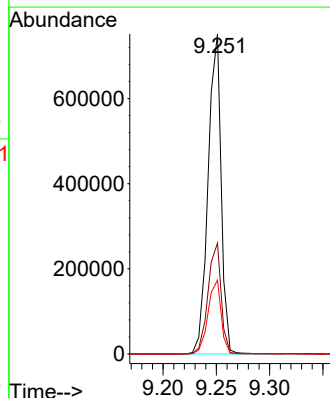
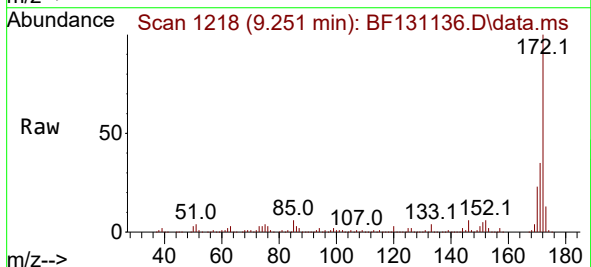
Tgt Ion:172 Resp: 642905

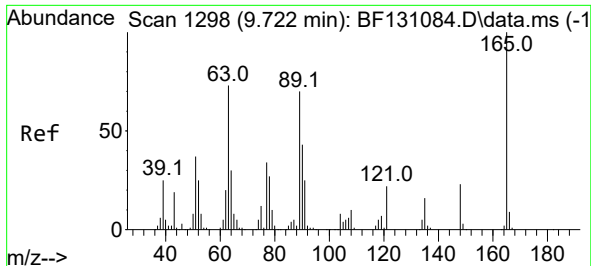
Ion Ratio Lower Upper

172 100

171 34.7 27.7 41.5

170 23.1 18.8 28.2

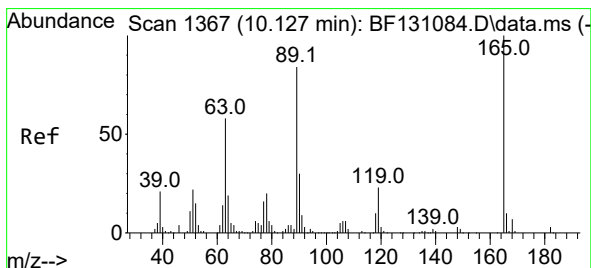
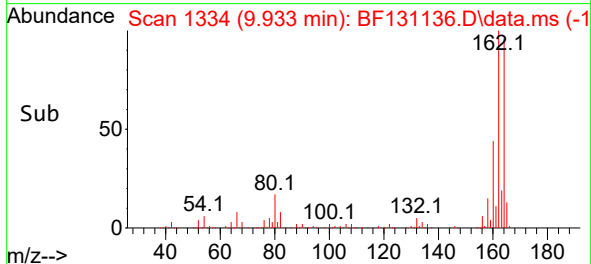
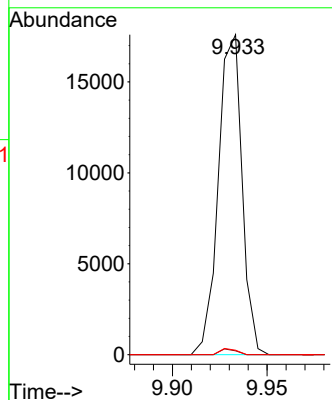
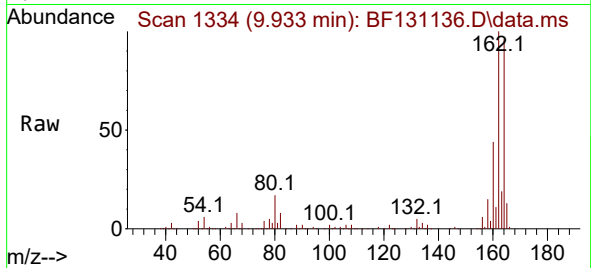




#51
2,6-Dinitrotoluene
Concen: 8.158 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

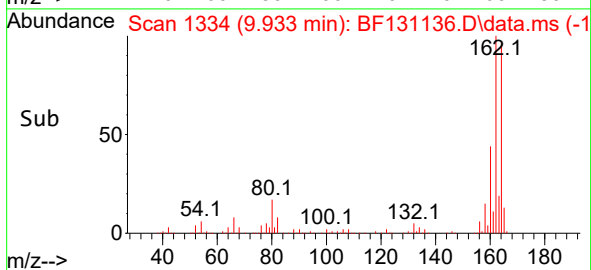
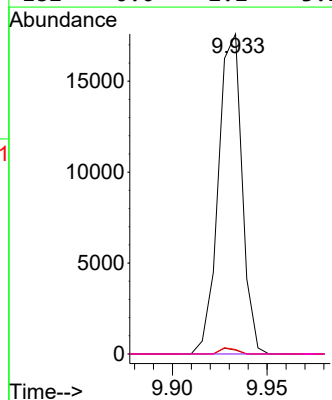
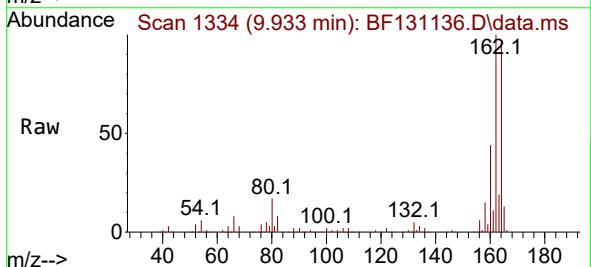
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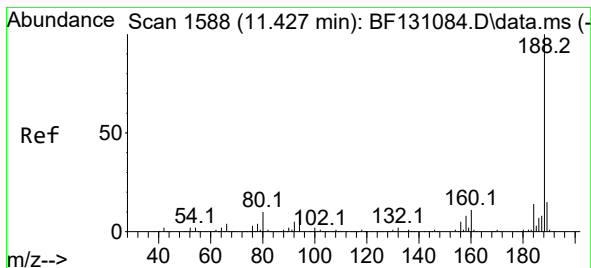
Tgt Ion:165 Resp: 15358
Ion Ratio Lower Upper
165 100
63 1.2 61.4 92.2#
89 1.4 56.0 84.0#



#57
2,4-Dinitrotoluene
Concen: 6.137 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.194 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Tgt Ion:165 Resp: 15358
Ion Ratio Lower Upper
165 100
63 1.2 46.9 70.3#
89 1.4 66.9 100.3#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

Instrument :

BNA_F

ClientSampleId :

72-11995

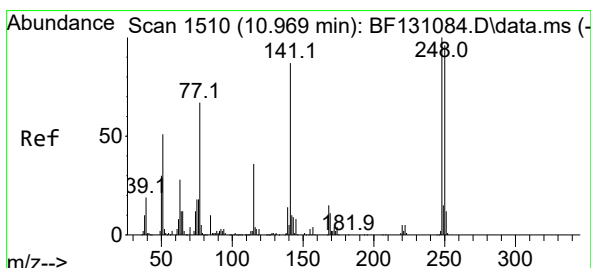
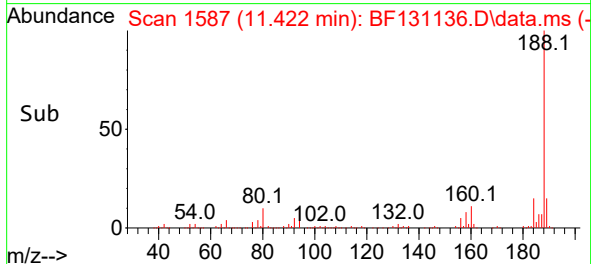
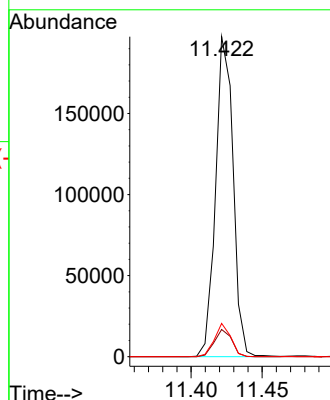
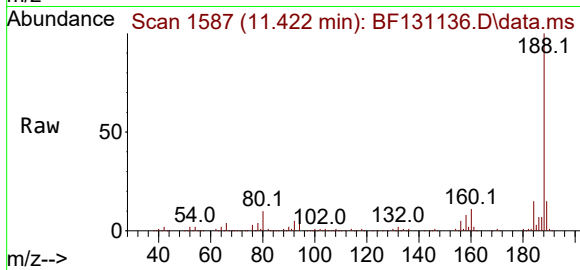
Tgt Ion:188 Resp: 168947

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.6

80 10.4 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 3.864 ng

RT: 10.722 min Scan# 1468

Delta R.T. -0.247 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

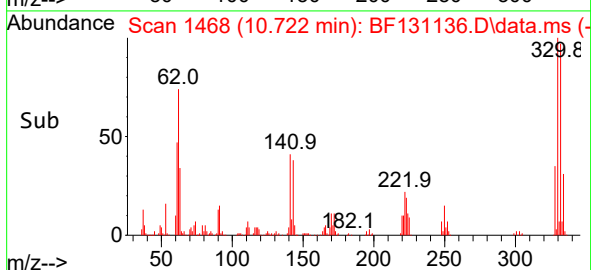
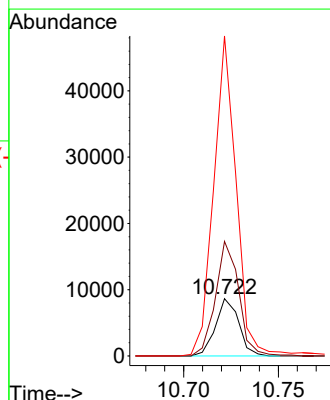
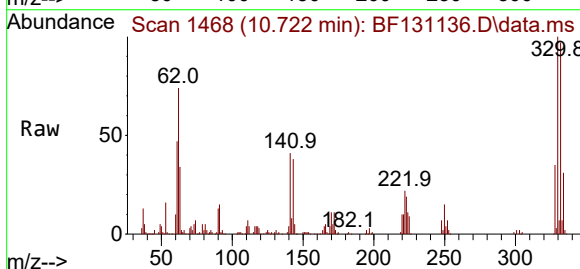
Tgt Ion:248 Resp: 7381

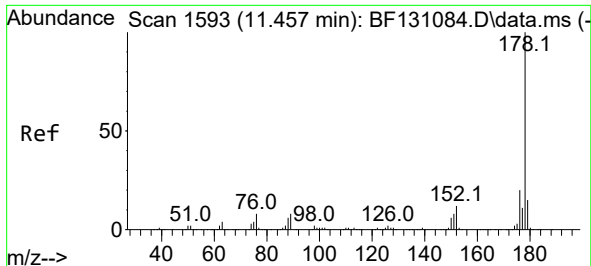
Ion Ratio Lower Upper

248 100

250 200.0 77.0 115.6#

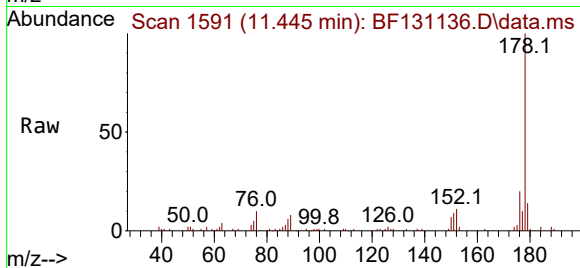
141 558.7 69.7 104.5#



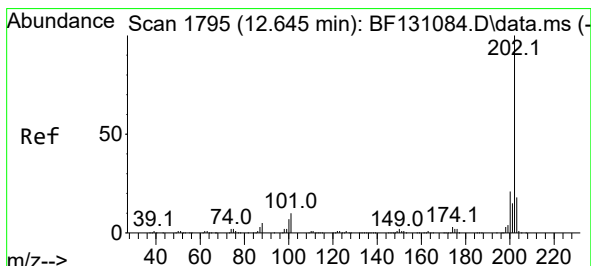
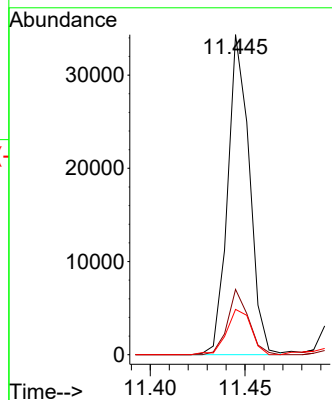
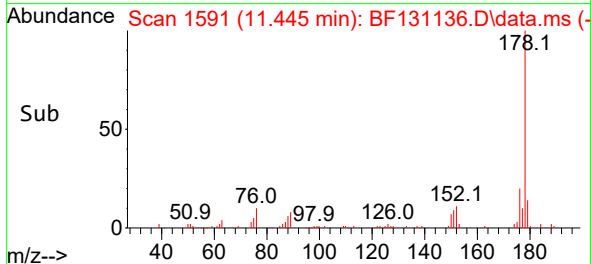


#71
Phenanthrene
Concen: 2.948 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Instrument :
BNA_F
ClientSampleId :
72-11995

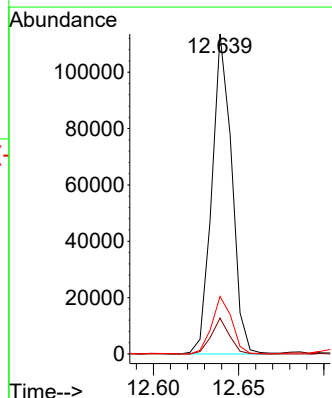
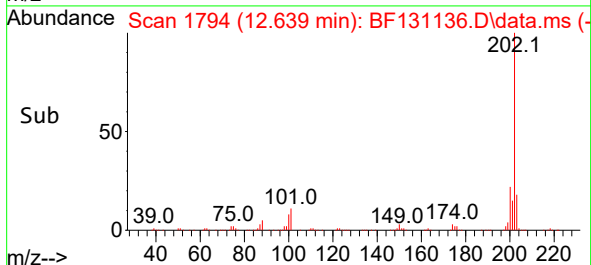
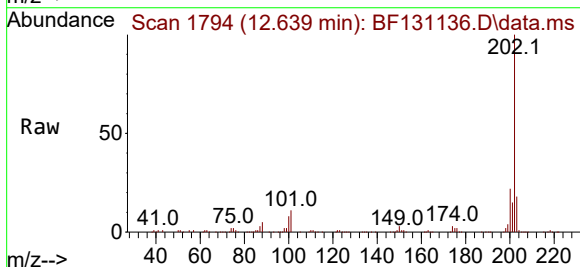


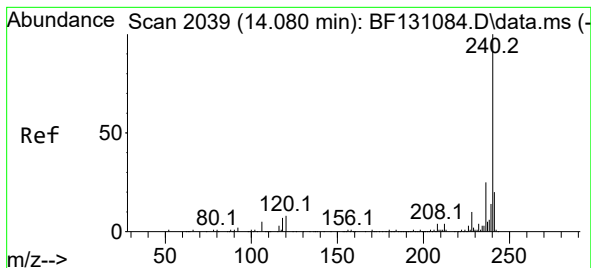
Tgt Ion:178 Resp: 27393
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 14.2 12.2 18.2



#75
Fluoranthene
Concen: 9.906 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Tgt Ion:202 Resp: 92134
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.0
203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

Instrument :

BNA_F

ClientSampleId :

72-11995

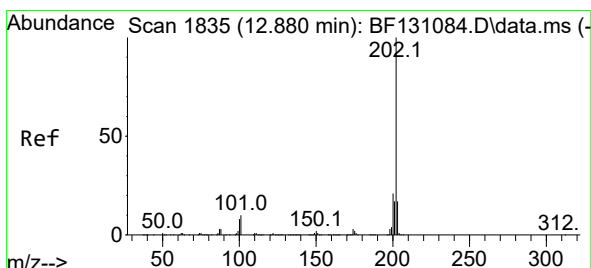
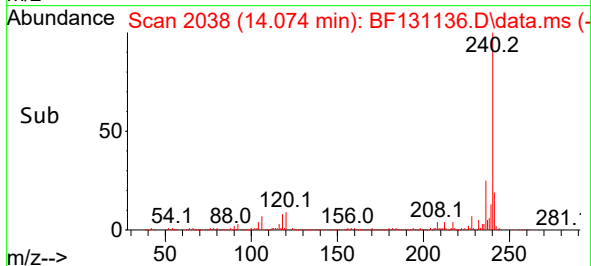
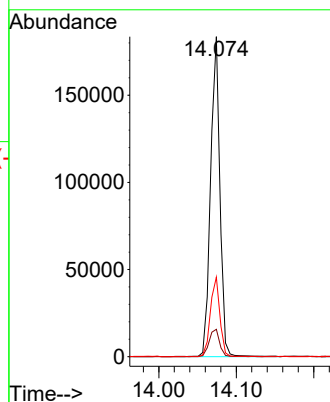
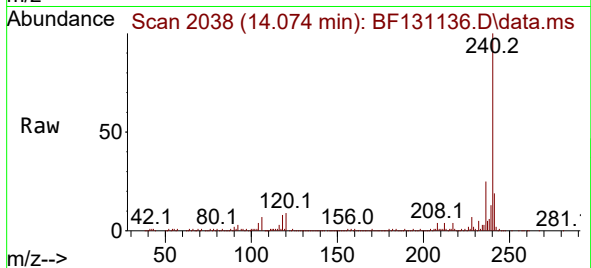
Tgt Ion:240 Resp: 153200

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 24.8 19.7 29.5



#78

Pyrene

Concen: 6.901 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

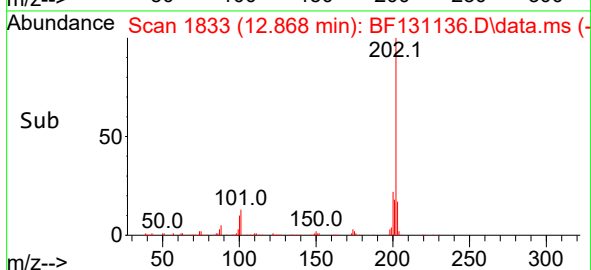
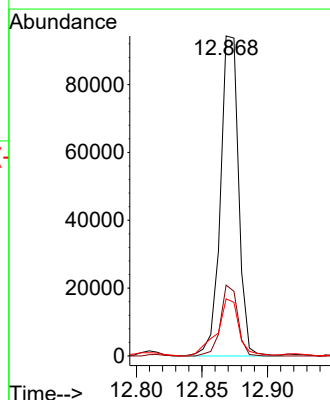
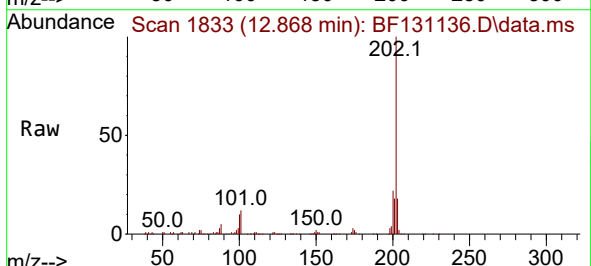
Tgt Ion:202 Resp: 90711

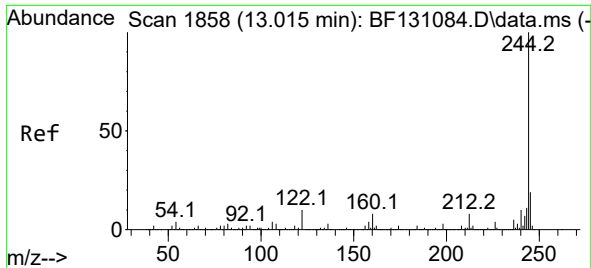
Ion Ratio Lower Upper

202 100

200 22.2 16.8 25.2

203 17.9 13.6 20.4

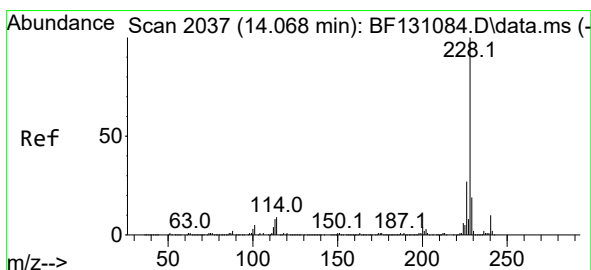
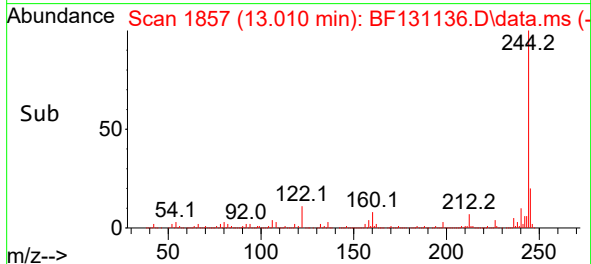
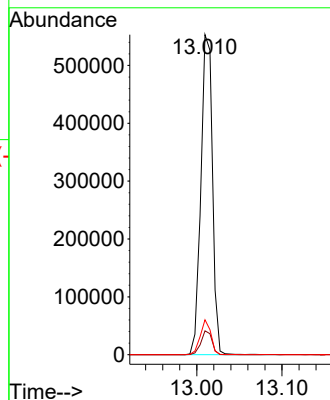
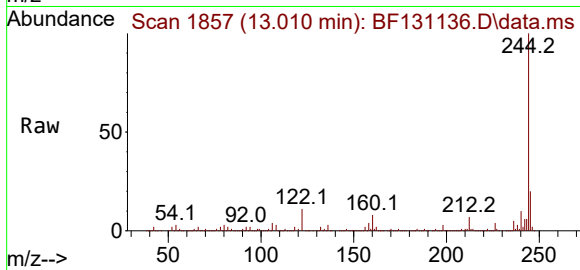




#79
 Terphenyl-d14
 Concen: 59.815 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.005 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

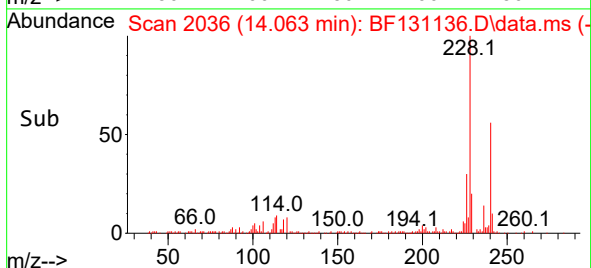
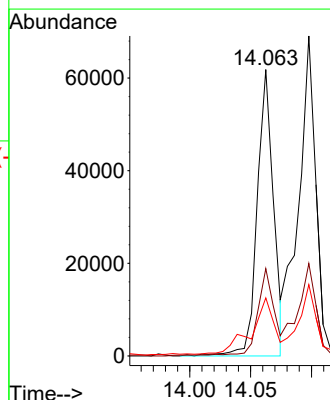
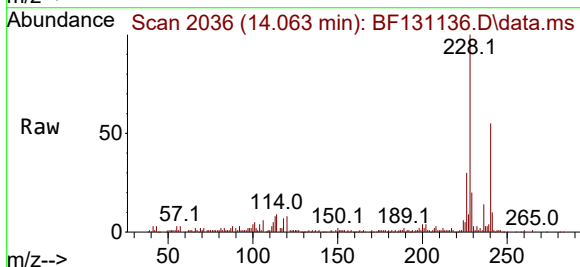
Instrument :
 BNA_F
 ClientSampleId :
 72-11995

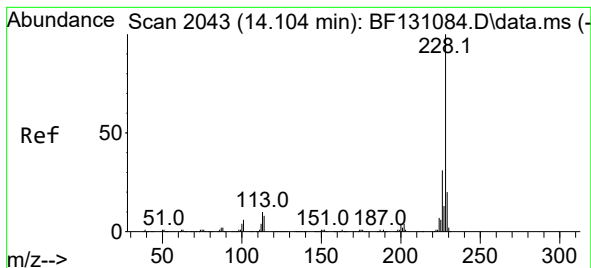
Tgt Ion:244 Resp: 522642
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.9 7.8 11.8



#81
 Benzo(a)anthracene
 Concen: 5.270 ng
 RT: 14.063 min Scan# 2036
 Delta R.T. -0.006 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

Tgt Ion:228 Resp: 57707
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.6
 229 20.3 15.4 23.2





#83

Chrysene

Concen: 6.050 ng

RT: 14.098 min Scan# 2042

Delta R.T. -0.006 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

Instrument :

BNA_F

ClientSampleId :

72-11995

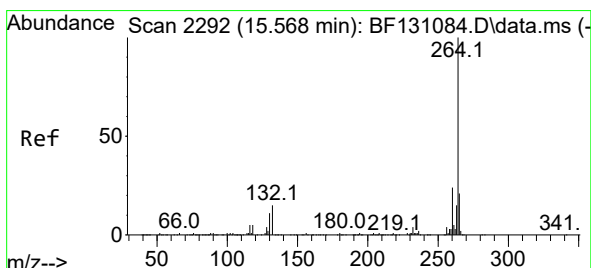
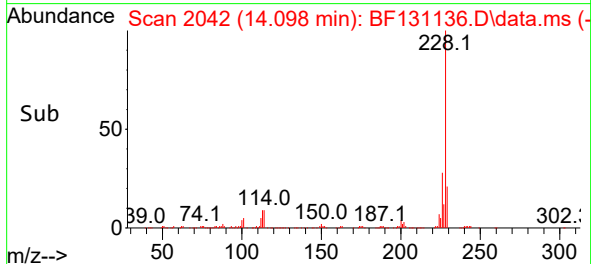
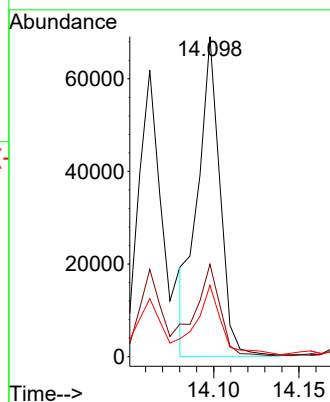
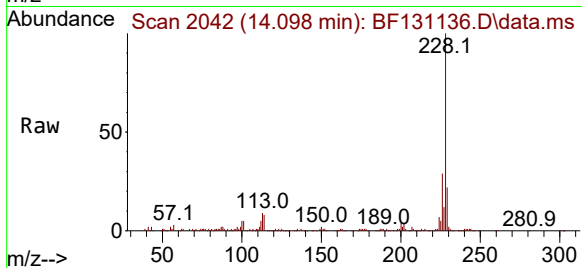
Tgt Ion:228 Resp: 62564

Ion Ratio Lower Upper

228 100

226 28.9 24.4 36.6

229 22.3 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2292

Delta R.T. 0.000 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

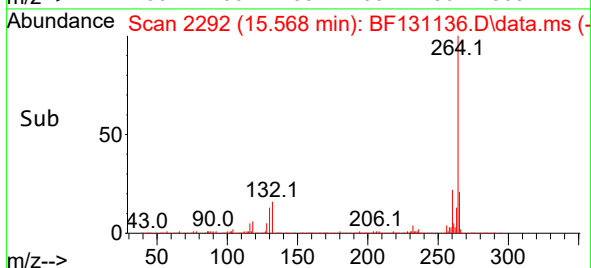
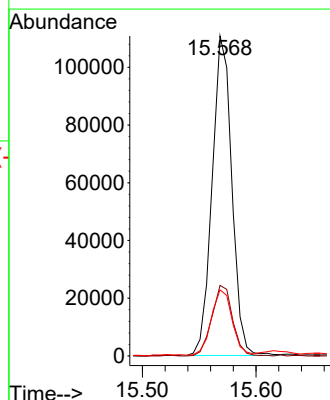
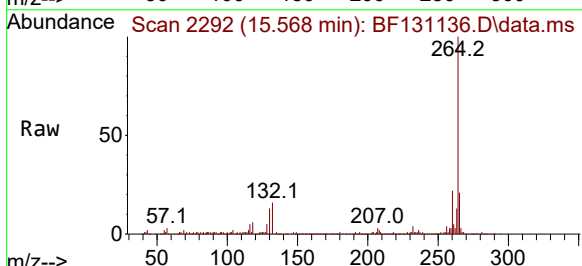
Tgt Ion:264 Resp: 133285

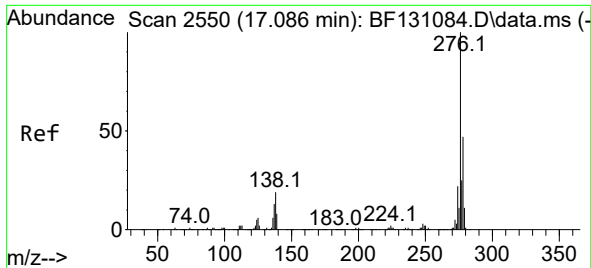
Ion Ratio Lower Upper

264 100

260 22.1 19.1 28.7

265 20.7 16.7 25.1

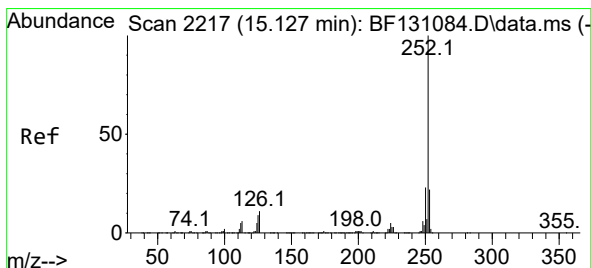
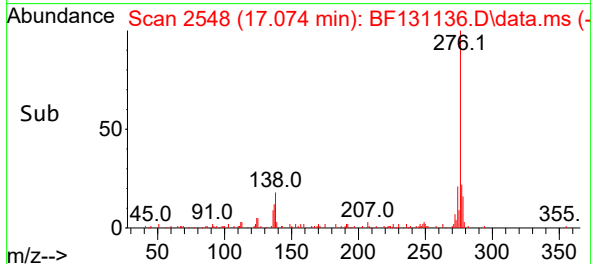
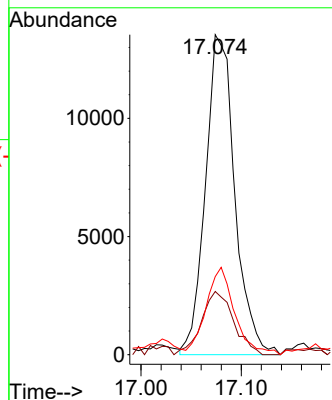
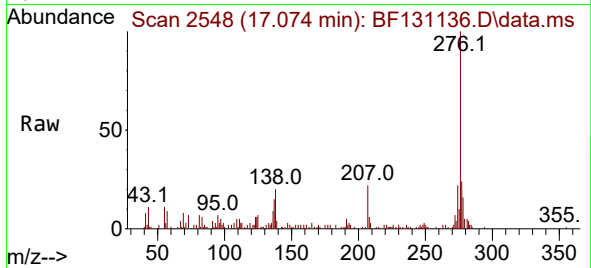




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.187 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

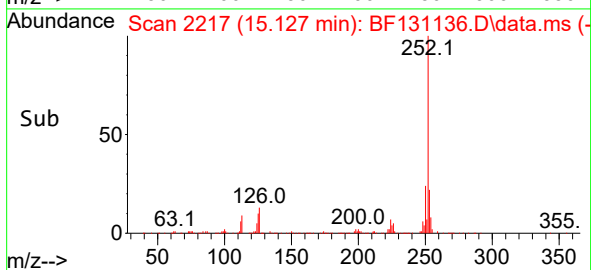
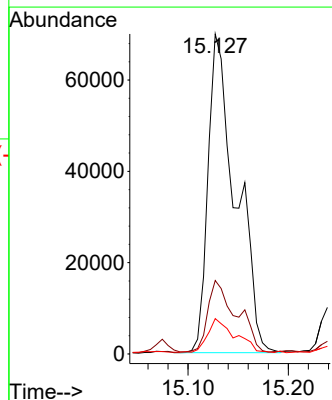
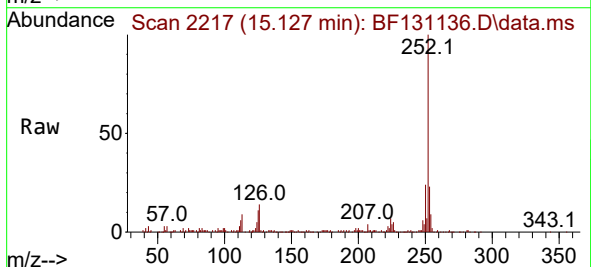
Instrument :
 BNA_F
 ClientSampleId :
 72-11995

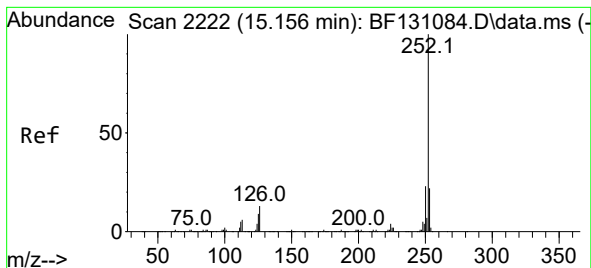
Tgt Ion:276 Resp: 27538
 Ion Ratio Lower Upper
 276 100
 138 21.6 16.9 25.3
 277 26.6 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 14.249 ng
 RT: 15.127 min Scan# 2217
 Delta R.T. 0.000 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

Tgt Ion:252 Resp: 134273
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.3 25.9
 125 11.1 7.2 10.8#





#89

Benzo(k)fluoranthene

Concen: 14.825 ng

RT: 15.127 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

Instrument :

BNA_F

ClientSampleId :

72-11995

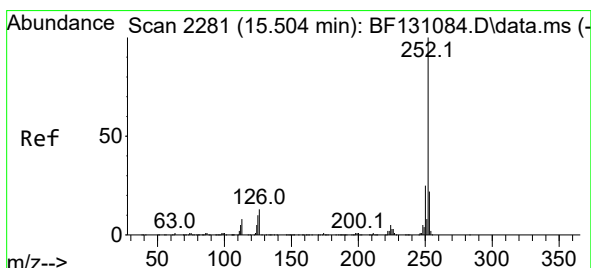
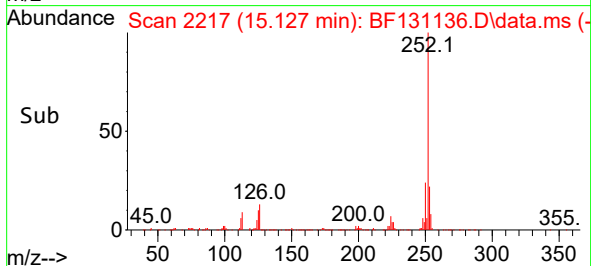
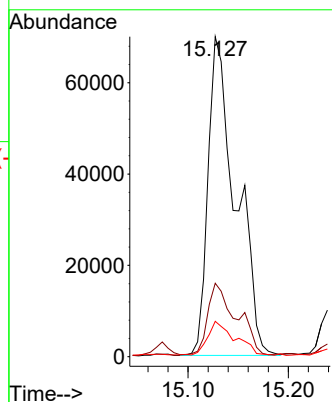
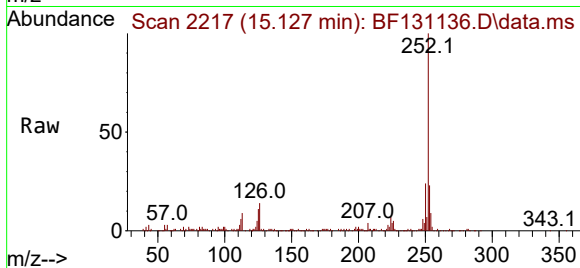
Tgt Ion:252 Resp: 134273

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 11.1 7.5 11.3



#90

Benzo(a)pyrene

Concen: 7.546 ng

RT: 15.504 min Scan# 2281

Delta R.T. -0.000 min

Lab File: BF131136.D

Acq: 10 Nov 2022 22:12

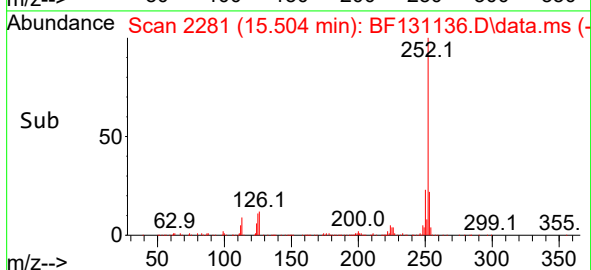
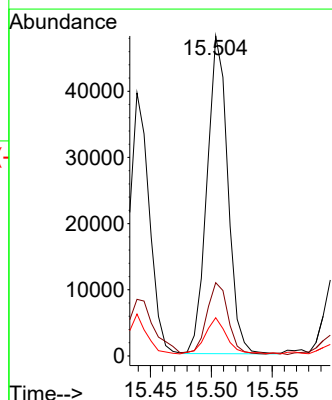
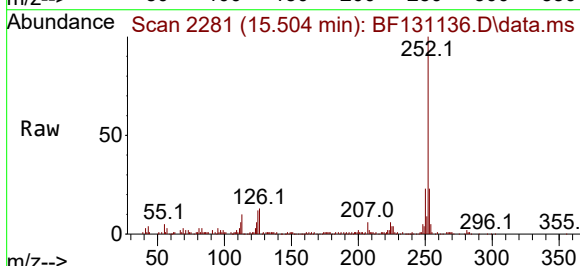
Tgt Ion:252 Resp: 57010

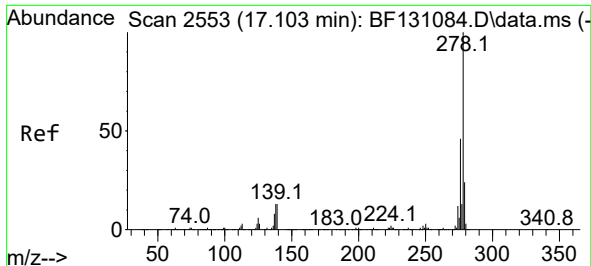
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 11.9 8.1 12.1

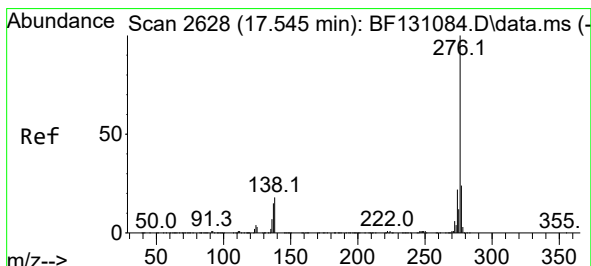
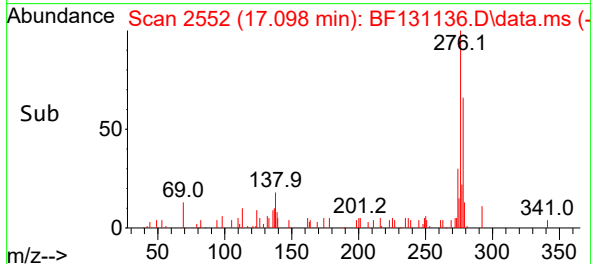
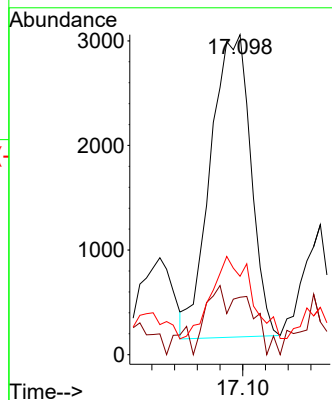
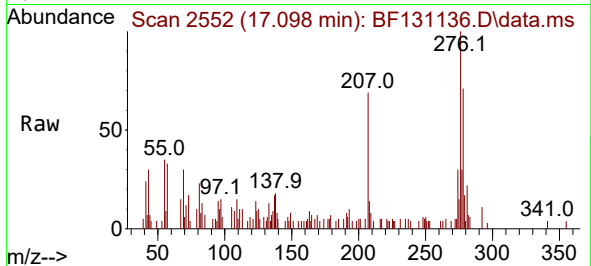




#91
 Dibenzo(a,h)anthracene
 Concen: 4.579 ng
 RT: 17.098 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Tgt Ion:278 Resp: 7105
 Ion Ratio Lower Upper
 278 100
 139 17.9 10.8 16.2#
 279 24.5 19.2 28.8



#92
 Benzo(g,h,i)perylene
 Concen: 6.740 ng
 RT: 17.539 min Scan# 2627
 Delta R.T. -0.006 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

Tgt Ion:276 Resp: 24477
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.0 28.4
 138 19.8 14.6 21.8

