

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132009.D
 Acq On : 10 Jan 2023 22:05
 Operator : CG\JU
 Sample : 01076-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-010923

Quant Time: Jan 11 00:41:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

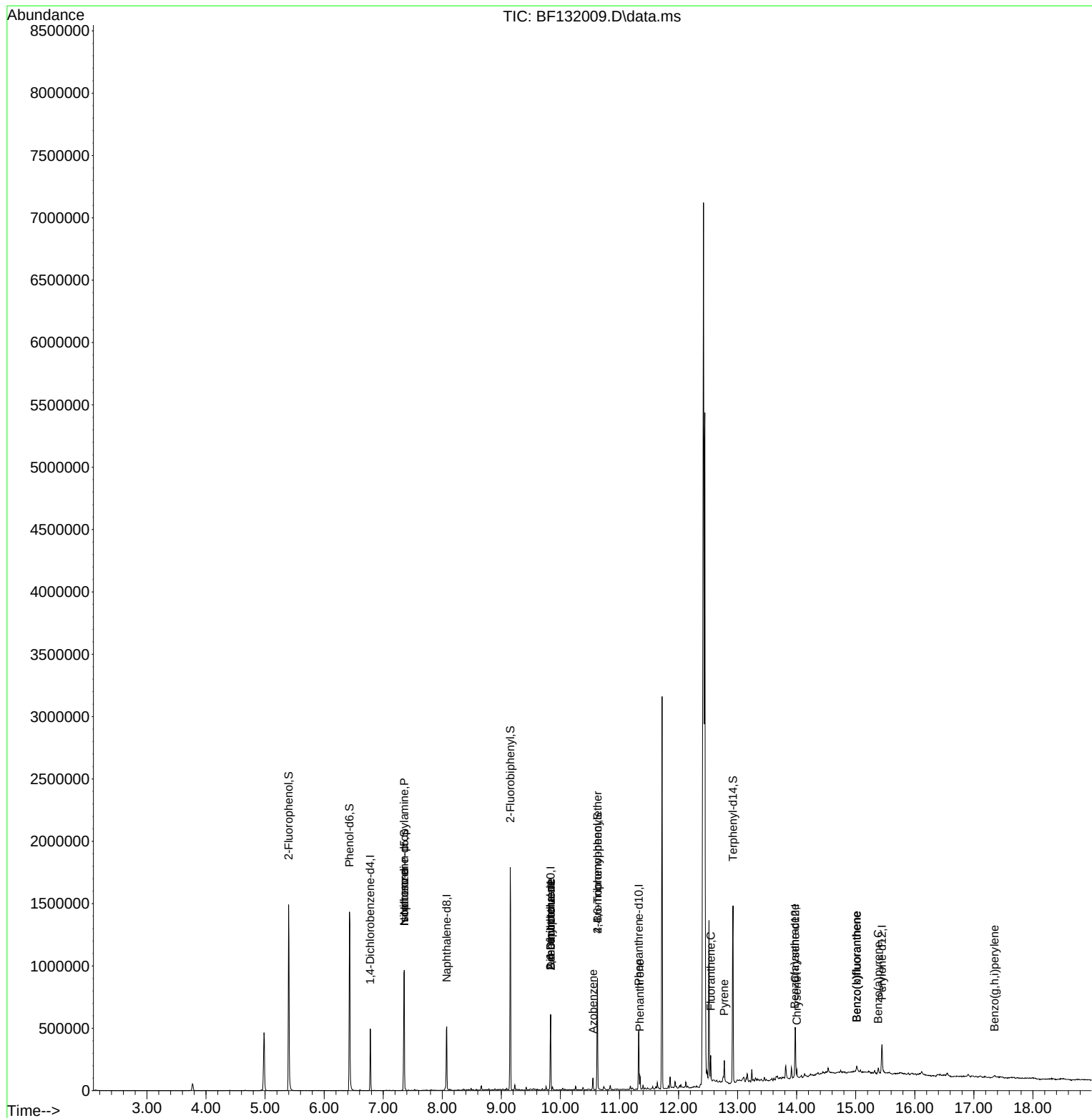
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	62819	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	212725	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	101877	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	173746	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	129030	20.000	ng	#-0.01
86) Perylene-d12	15.445	264	103219	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	375978	98.621	ng	0.00
7) Phenol-d6	6.428	99	481895	95.336	ng	0.00
23) Nitrobenzene-d5	7.357	82	336686	65.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	89088	76.055	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	516703	68.468	ng	-0.01
79) Terphenyl-d14	12.922	244	444069	49.327	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	48483	13.259	ng	# 75
25) Isophorone	7.357	82	333383	34.817	ng	# 69
50) Dimethylphthalate	9.834	163	21873	2.754	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	13917	8.332	ng	# 22
57) 2,4-Dinitrotoluene	9.834	165	13917	6.232	ng	# 13
63) Azobenzene	10.551	77	16657	2.011	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	6209	2.857	ng	# 1
71) Phenanthrene	11.345	178	36040	3.979	ng	99
75) Fluoranthene	12.545	202	70988	6.969	ng	99
78) Pyrene	12.775	202	69838	5.934	ng	98
81) Benzo(a)anthracene	13.969	228	25375	2.703	ng	# 93
83) Chrysene	14.004	228	25323	2.886	ng	95
88) Benzo(b)fluoranthene	15.016	252	30441	4.300	ng	# 91
89) Benzo(k)fluoranthene	15.016	252	30441	4.308	ng	# 91
90) Benzo(a)pyrene	15.380	252	16246	2.547	ng	# 89
92) Benzo(g,h,i)perylene	17.351	276	9909	5.141	ng	97

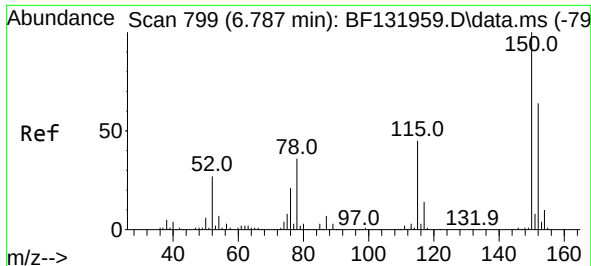
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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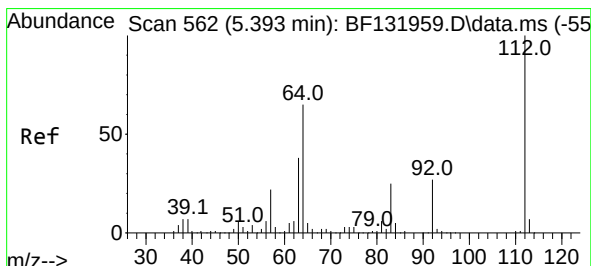
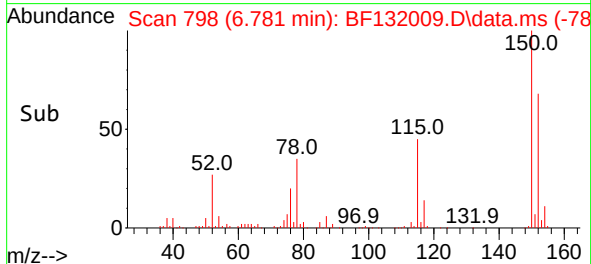
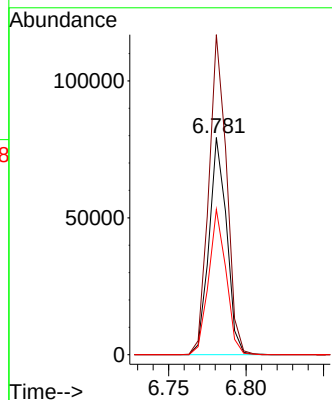
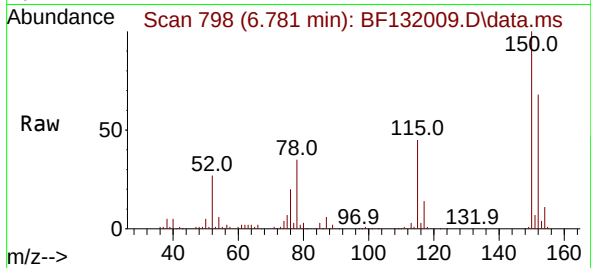




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF132009.D
 Acq: 10 Jan 2023 22:05

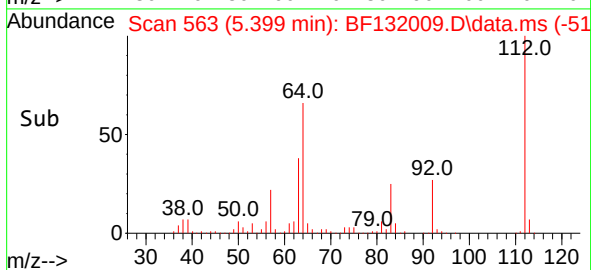
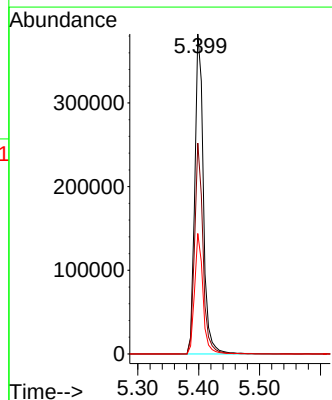
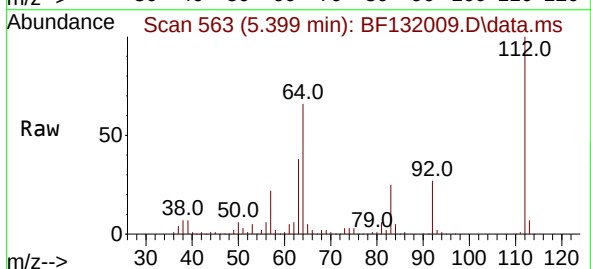
Instrument :
 BNA_F
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 BU-03-010923

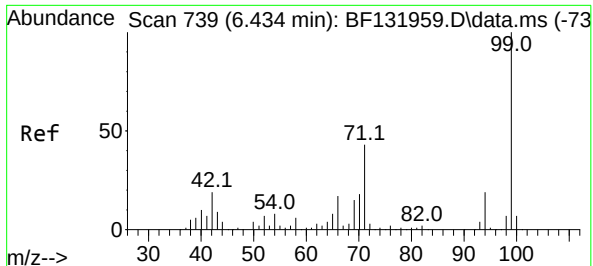
Tgt Ion:152 Resp: 62819
 Ion Ratio Lower Upper
 152 100
 150 147.3 124.6 186.8
 115 66.9 55.6 83.4



#5
 2-Fluorophenol
 Concen: 98.621 ng
 RT: 5.399 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: BF132009.D
 Acq: 10 Jan 2023 22:05

Tgt Ion:112 Resp: 375978
 Ion Ratio Lower Upper
 112 100
 64 65.9 51.9 77.9
 63 37.7 30.2 45.2

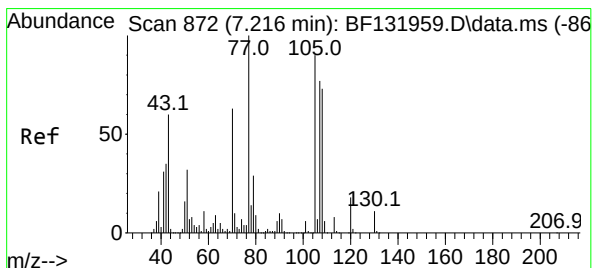
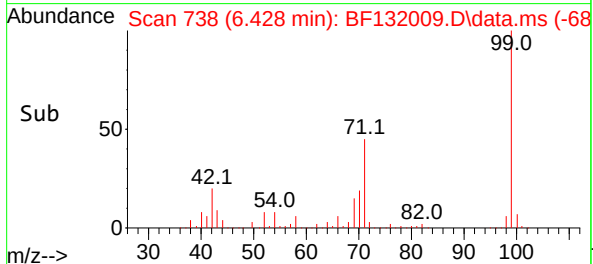
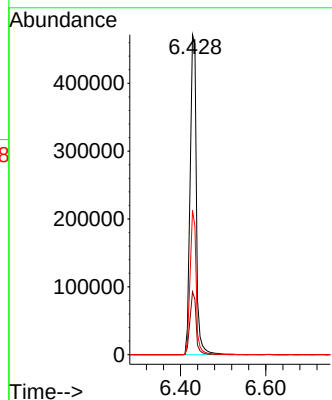
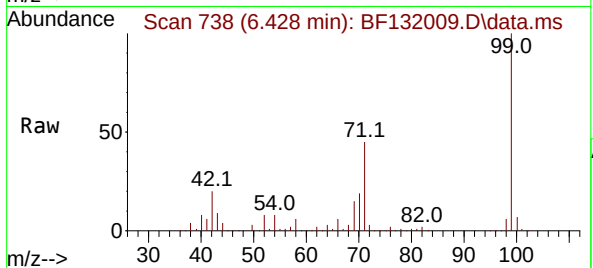




#7
Phenol-d6
Concen: 95.336 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

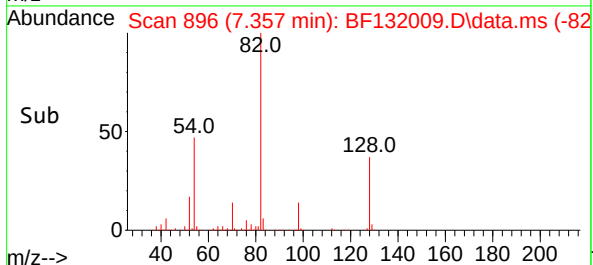
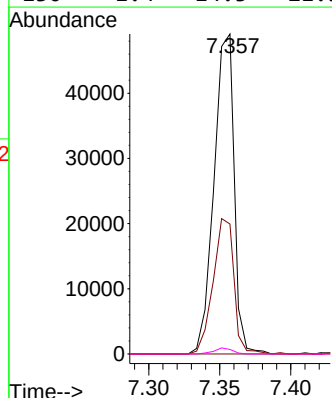
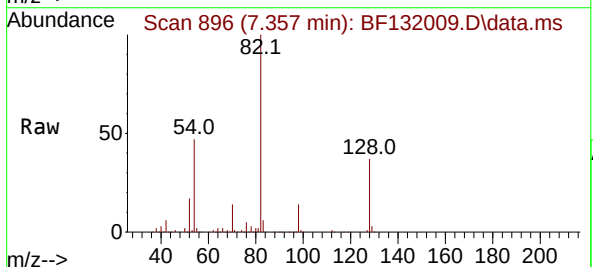
Instrument :
BNA_F
ClientSampleId :
BU-03-010923

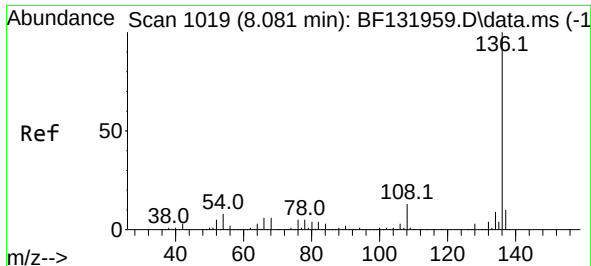
Tgt Ion: 99 Resp: 481895
Ion Ratio Lower Upper
99 100
42 19.7 15.4 23.2
71 45.1 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.259 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion: 70 Resp: 48483
Ion Ratio Lower Upper
70 100
42 40.6 44.3 66.5#
101 0.0 7.5 11.3#
130 1.4 14.3 21.5#

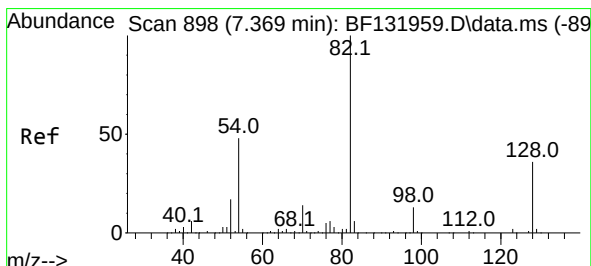
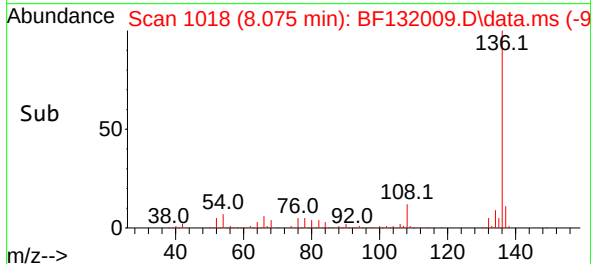
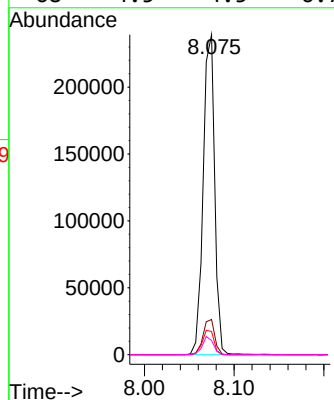
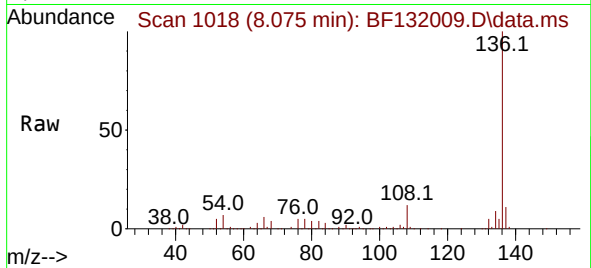




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

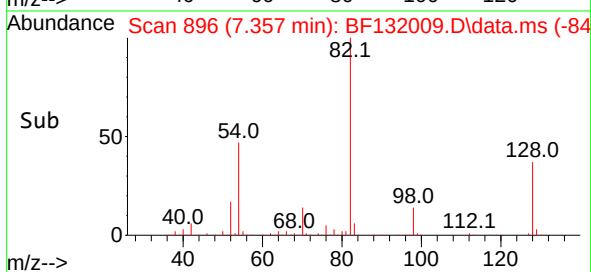
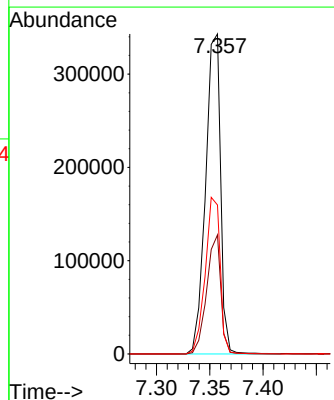
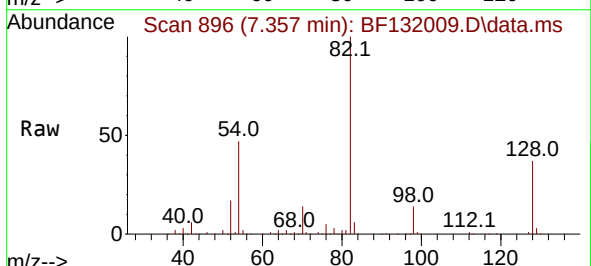
Instrument :
BNA_F
ClientSampleId :
BU-03-010923

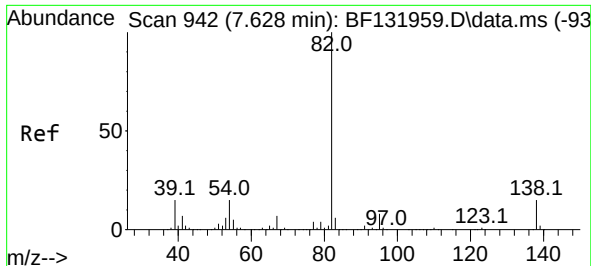
Tgt Ion:136 Resp: 212725
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.2
54 7.3 6.6 9.8
68 4.5 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 65.689 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion: 82 Resp: 336686
Ion Ratio Lower Upper
82 100
128 37.2 28.7 43.1
54 46.6 38.1 57.1

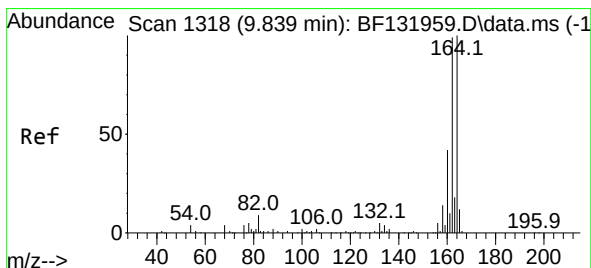
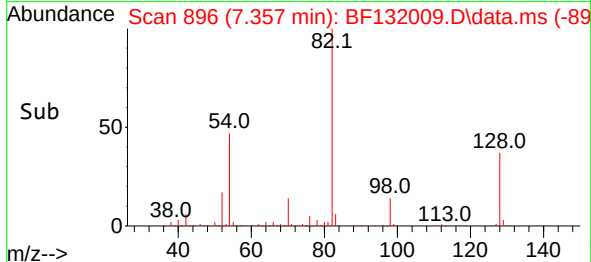
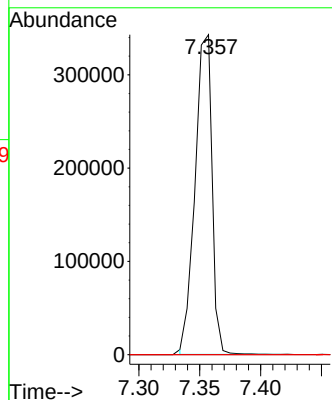
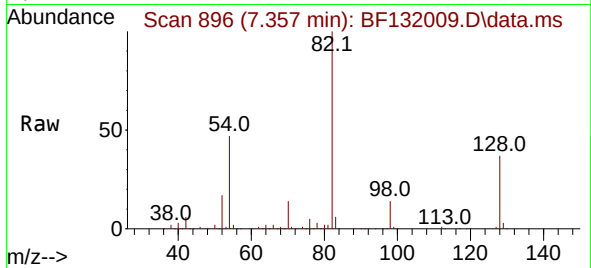




#25
Isophorone
Concen: 34.817 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

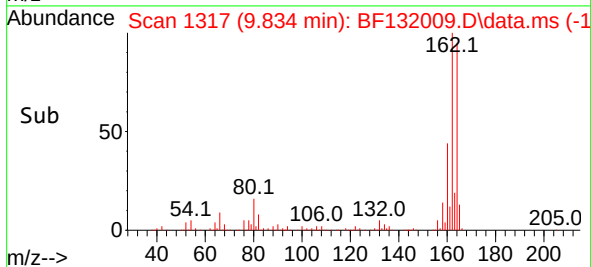
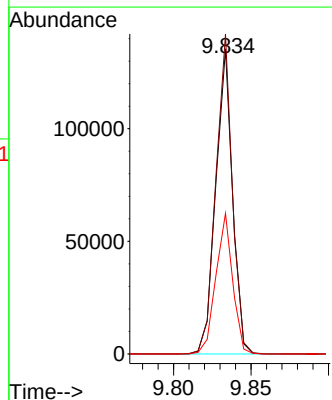
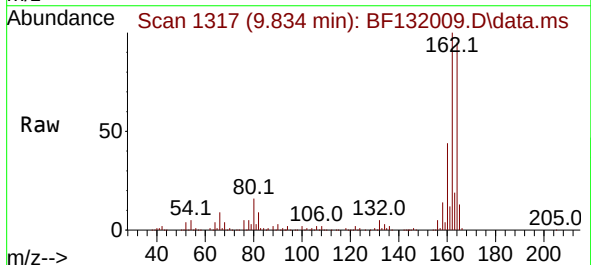
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ClientSampleId :
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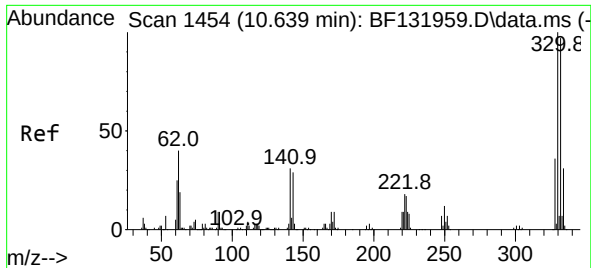
Tgt Ion: 82 Resp: 333383
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:164 Resp: 101877
Ion Ratio Lower Upper
164 100
162 104.9 79.4 119.0
160 46.1 33.9 50.9

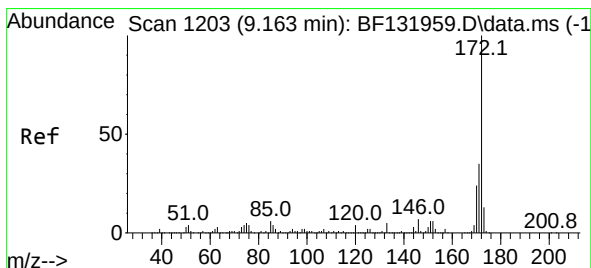
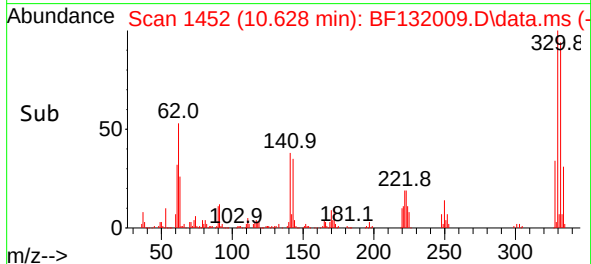
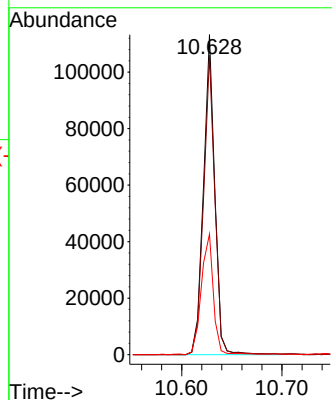
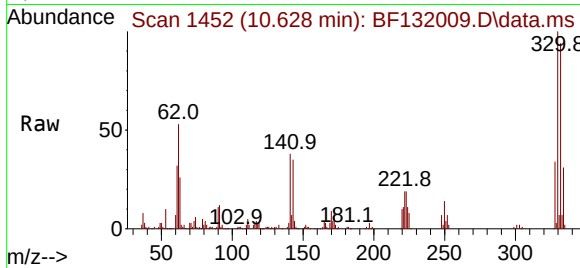




#42
2,4,6-Tribromophenol
Concen: 76.055 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

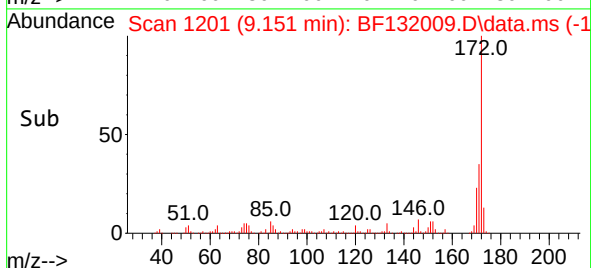
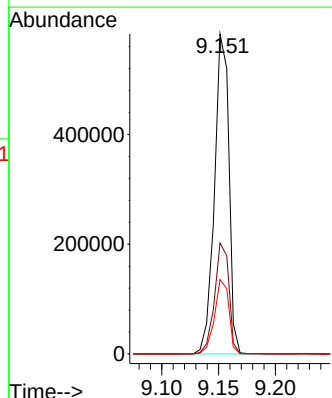
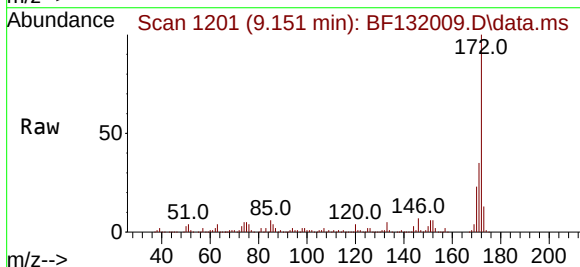
Instrument :
BNA_F
ClientSampleId :
BU-03-010923

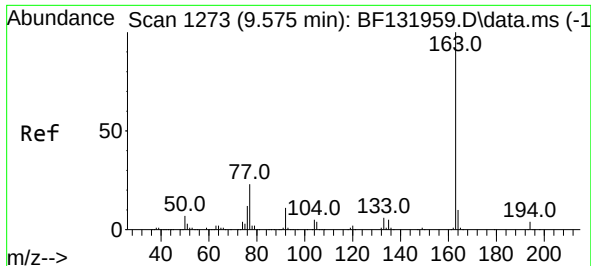
Tgt Ion:330 Resp: 89088
Ion Ratio Lower Upper
330 100
332 93.9 76.9 115.3
141 41.0 31.3 46.9



#45
2-Fluorobiphenyl
Concen: 68.468 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:172 Resp: 516703
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.2 18.9 28.3

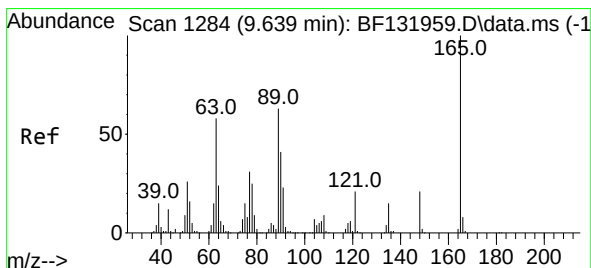
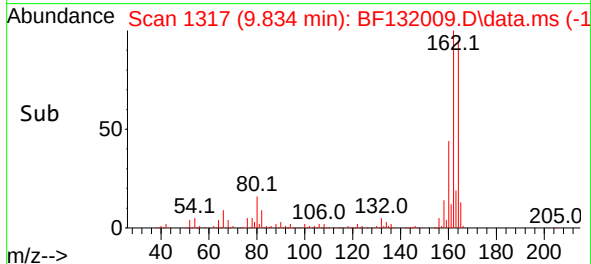
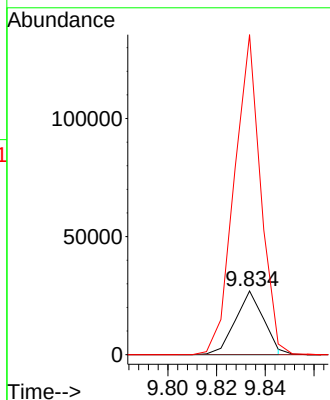
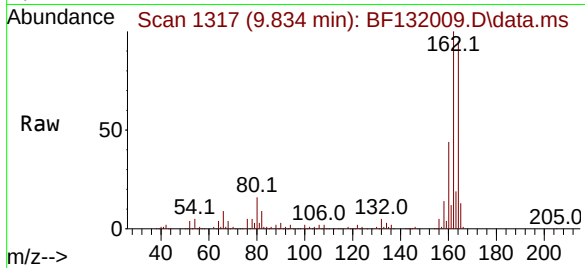




#50
Dimethylphthalate
Concen: 2.754 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.259 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

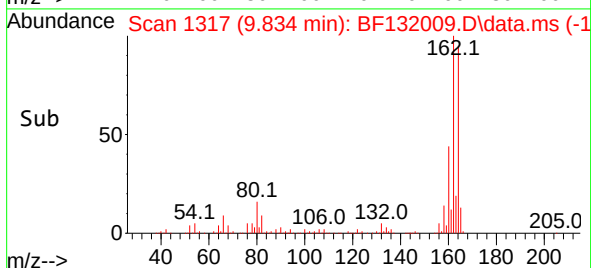
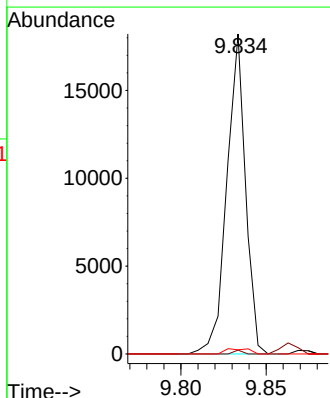
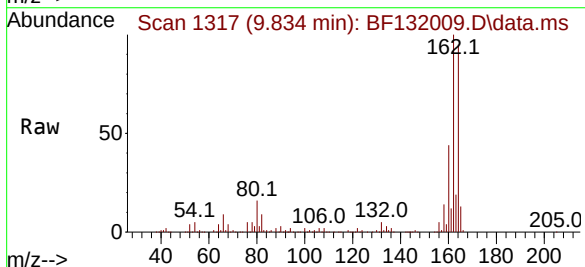
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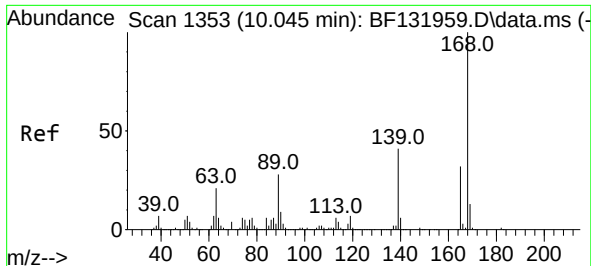
Tgt Ion:163 Resp: 21873
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 502.0 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.332 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.195 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:165 Resp: 13917
Ion Ratio Lower Upper
165 100
63 1.2 47.4 71.0#
89 1.3 50.2 75.2#

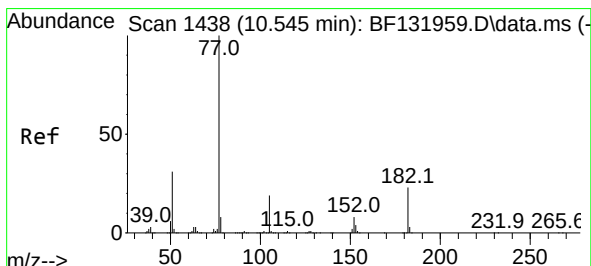
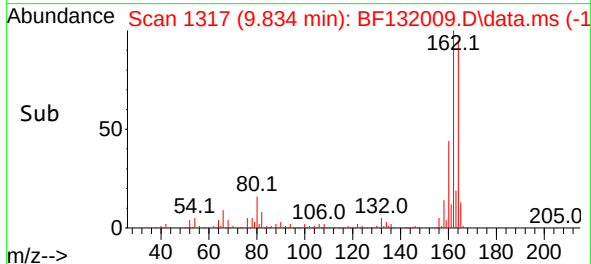
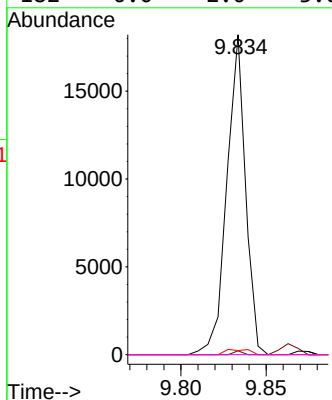
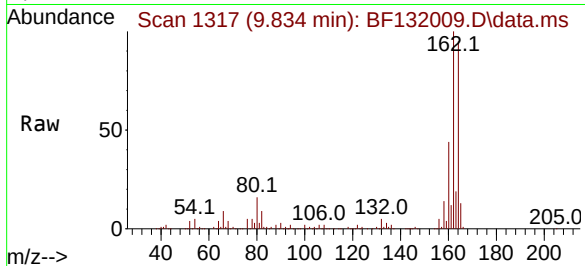




#57
2,4-Dinitrotoluene
Concen: 6.232 ng
RT: 9.834 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

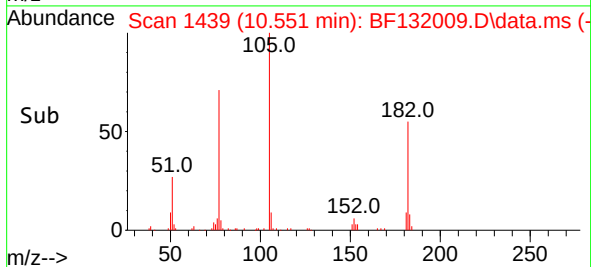
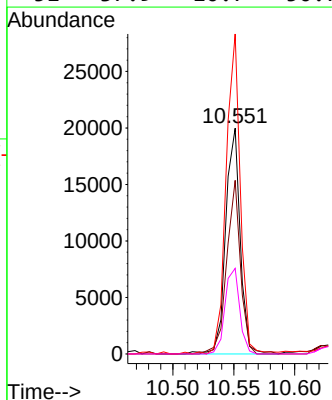
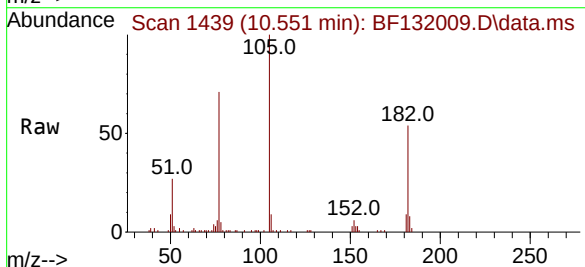
Instrument :
BNA_F
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BU-03-010923

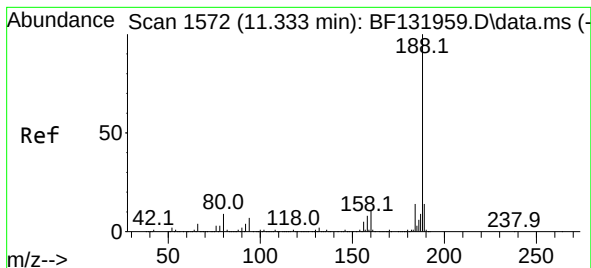
Tgt Ion:165 Resp: 13917
Ion Ratio Lower Upper
165 100
63 1.2 53.2 79.8#
89 1.3 71.2 106.8#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 2.011 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion: 77 Resp: 16657
Ion Ratio Lower Upper
77 100
182 76.9 2.9 42.9#
105 141.8 0.0 39.3#
51 37.9 10.7 50.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

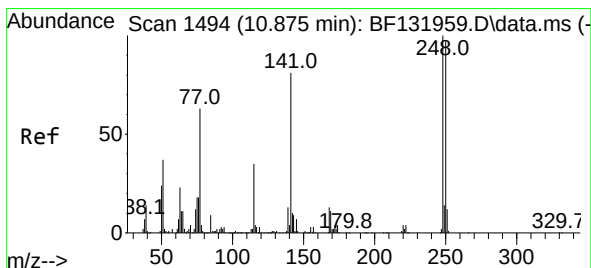
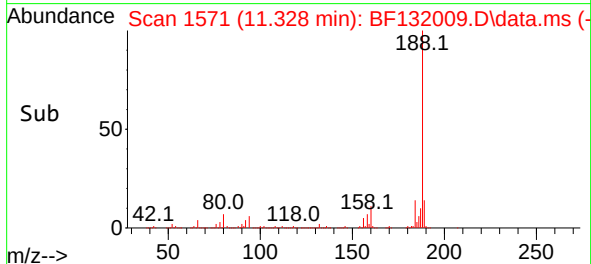
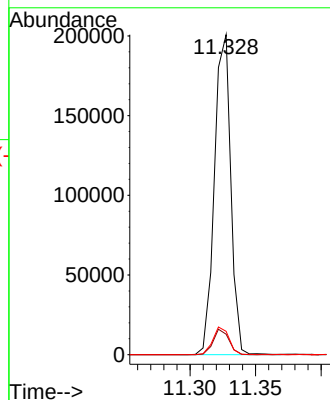
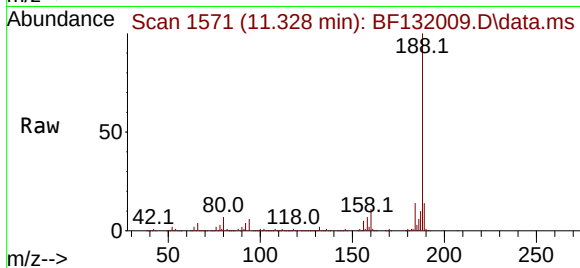
Tgt Ion:188 Resp: 173746

Ion Ratio Lower Upper

188 100

94 6.4 5.8 8.6

80 7.3 7.4 11.0#



#67

4-Bromophenyl-phenylether

Concen: 2.857 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.247 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

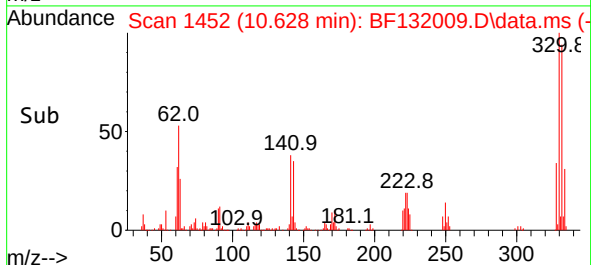
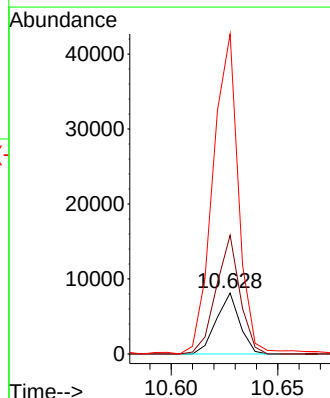
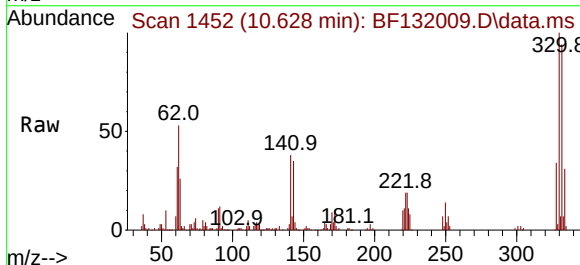
Tgt Ion:248 Resp: 6209

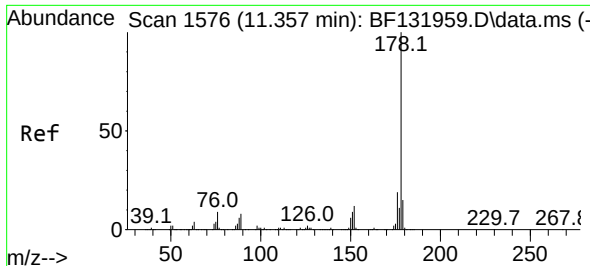
Ion Ratio Lower Upper

248 100

250 194.6 77.4 116.2#

141 524.2 65.0 97.6#

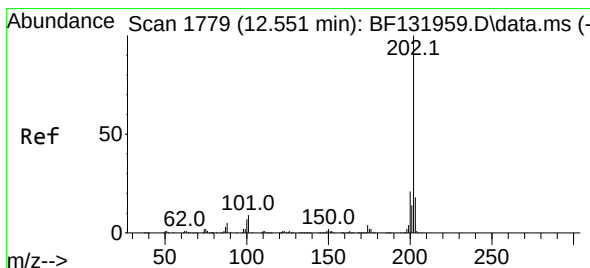
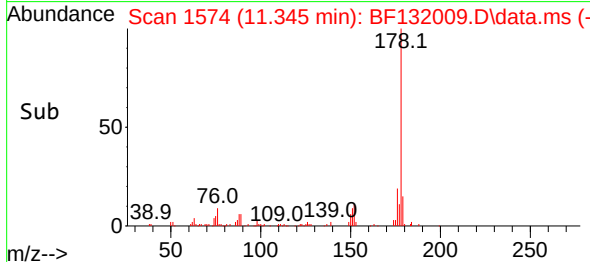
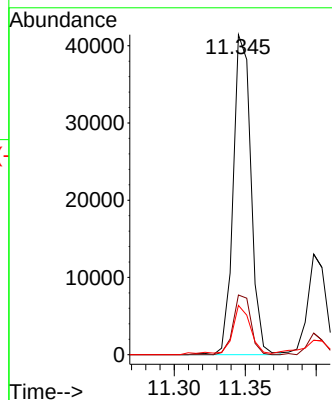
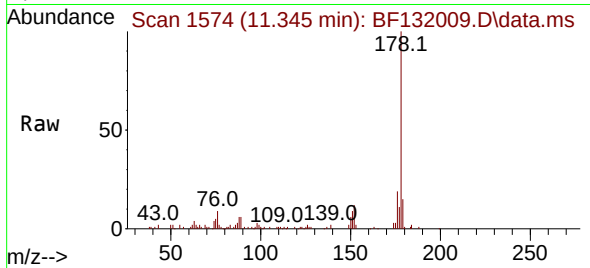




#71
Phenanthrene
Concen: 3.979 ng
RT: 11.345 min Scan# 1178
Delta R.T. -0.012 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

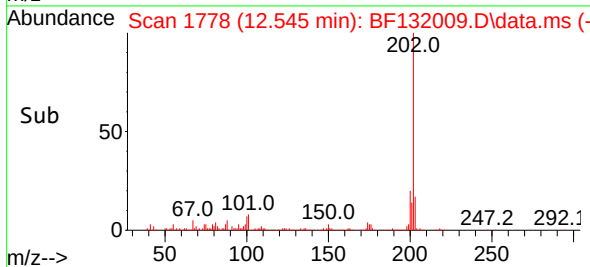
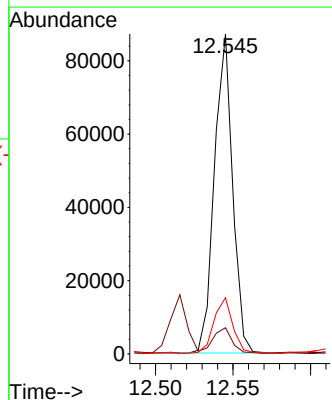
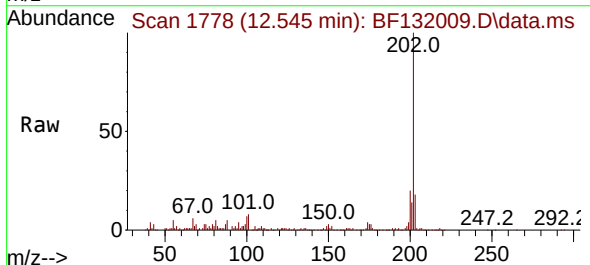
Instrument :
BNA_F
ClientSampleId :
BU-03-010923

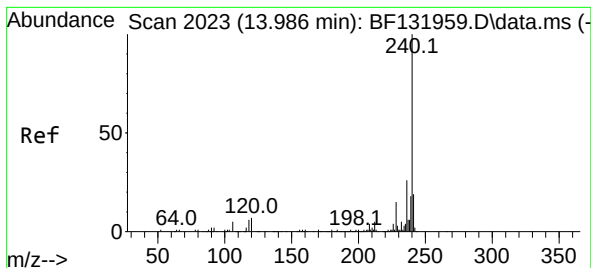
Tgt Ion:178 Resp: 36040
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.4 12.4 18.6



#75
Fluoranthene
Concen: 6.969 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:202 Resp: 70988
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.8
203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

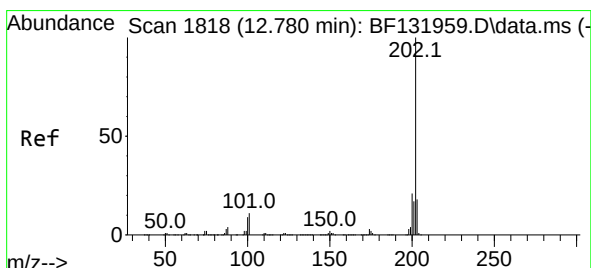
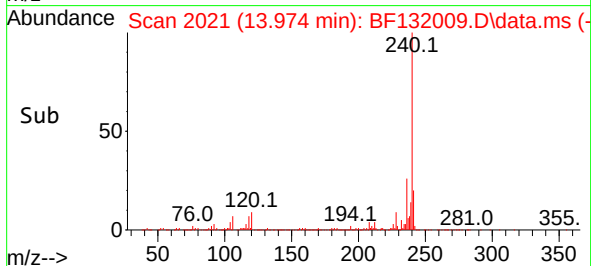
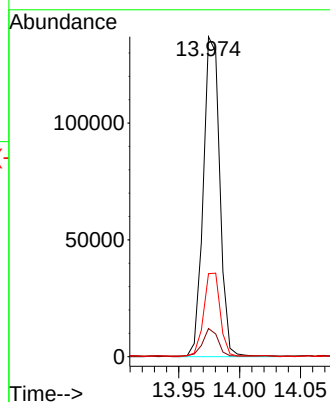
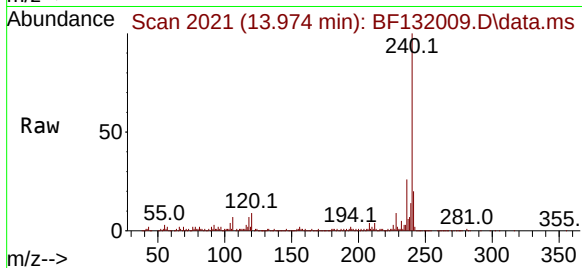
Tgt Ion:240 Resp: 129030

Ion Ratio Lower Upper

240 100

120 8.8 5.4 8.0#

236 26.0 21.1 31.7



#78

Pyrene

Concen: 5.934 ng

RT: 12.775 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

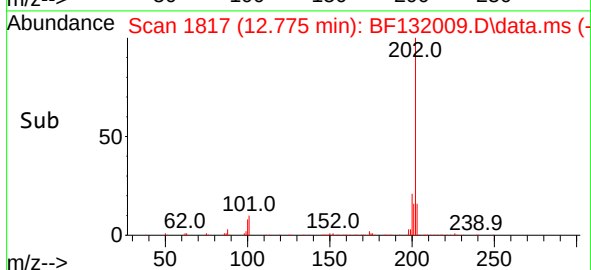
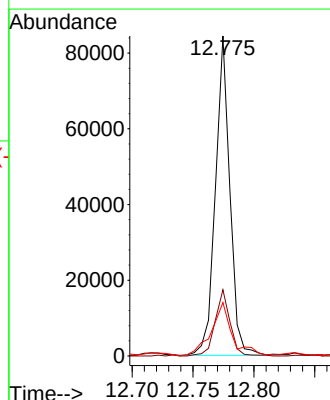
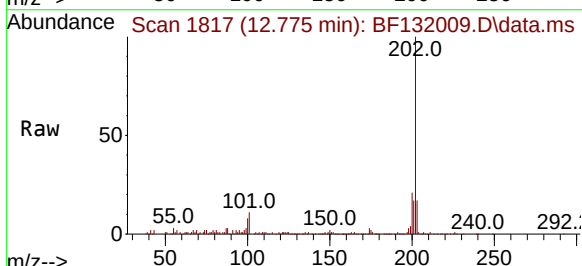
Tgt Ion:202 Resp: 69838

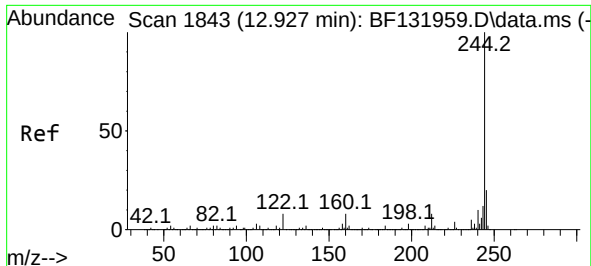
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

203 16.7 14.1 21.1

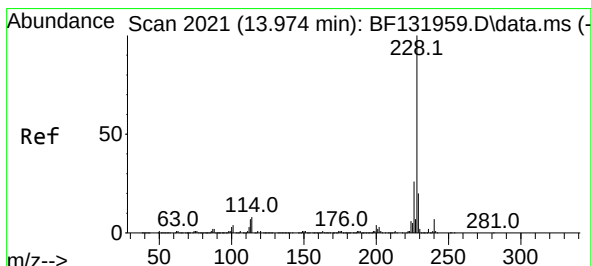
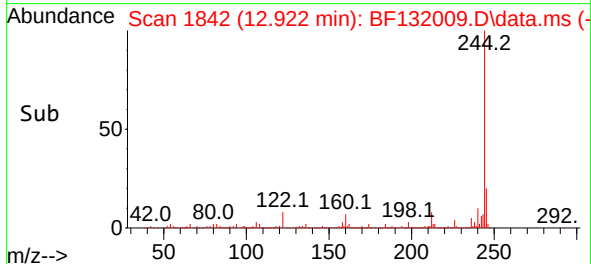
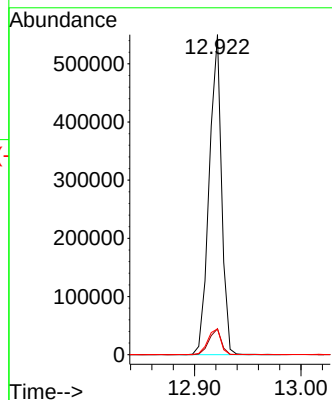
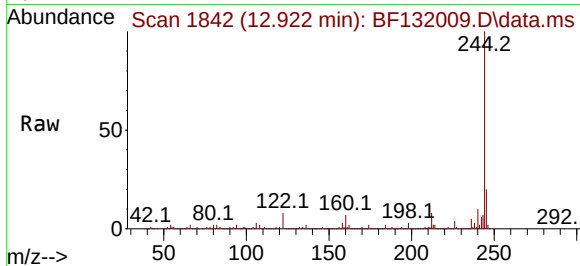




#79
 Terphenyl-d14
 Concen: 49.327 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132009.D
 Acq: 10 Jan 2023 22:05

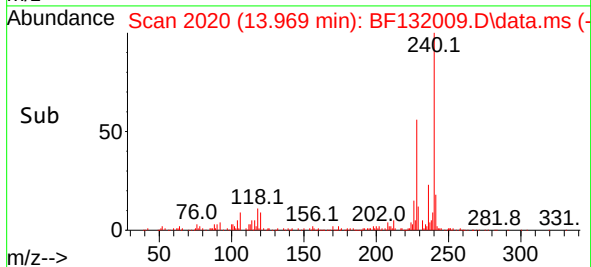
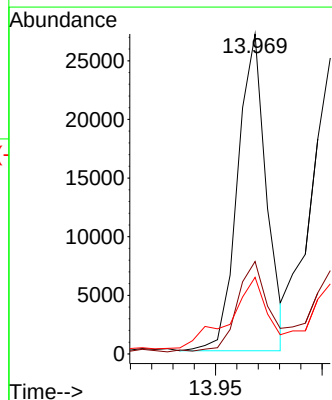
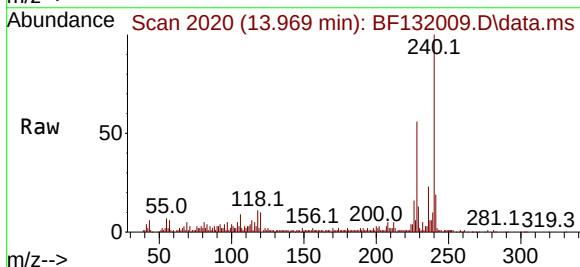
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-010923

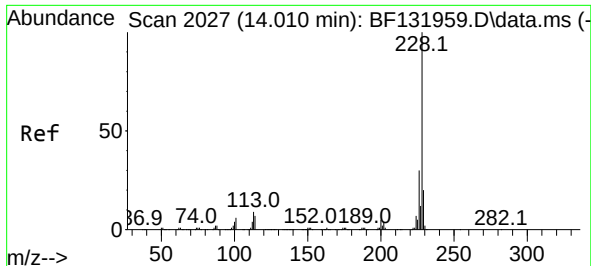
Tgt Ion:244 Resp: 444069
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.3 9.5
 122 8.0 6.8 10.2



#81
 Benzo(a)anthracene
 Concen: 2.703 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF132009.D
 Acq: 10 Jan 2023 22:05

Tgt Ion:228 Resp: 25375
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.0 31.4
 229 24.0 15.8 23.6#





#83

Chrysene

Concen: 2.886 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

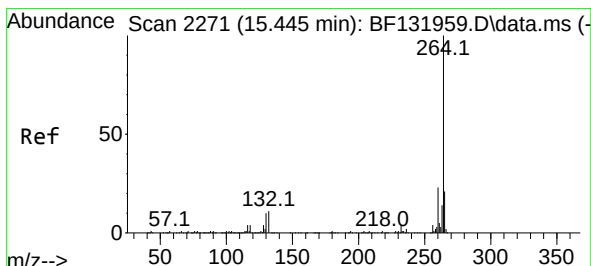
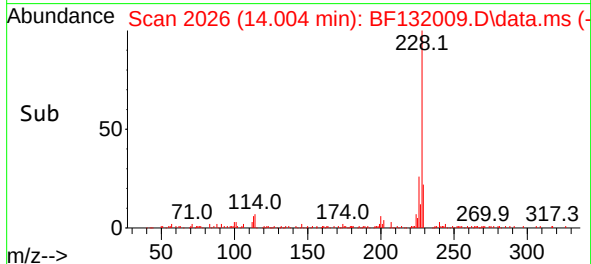
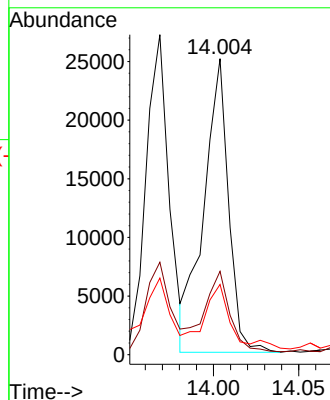
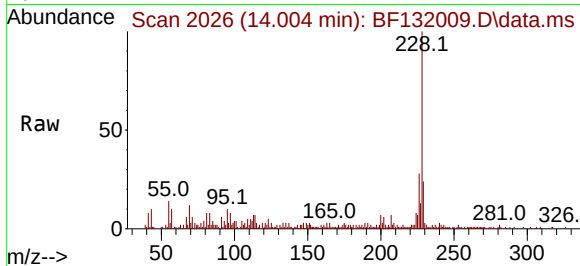
Tgt Ion:228 Resp: 25323

Ion Ratio Lower Upper

228 100

226 28.2 24.0 36.0

229 23.7 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.000 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

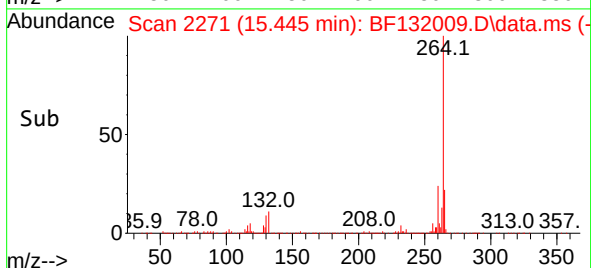
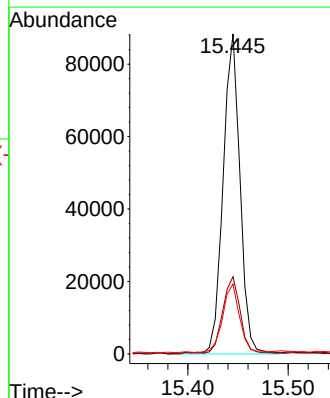
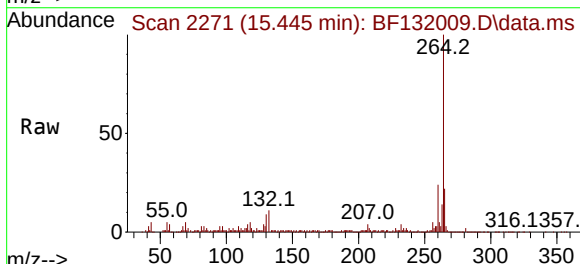
Tgt Ion:264 Resp: 103219

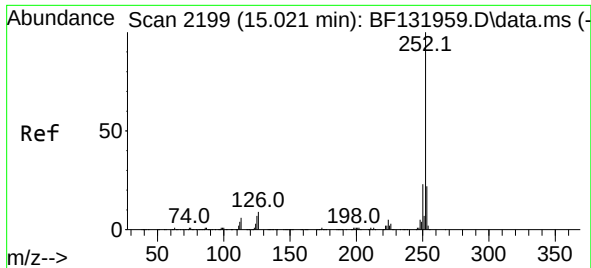
Ion Ratio Lower Upper

264 100

260 24.1 18.3 27.5

265 21.8 16.9 25.3

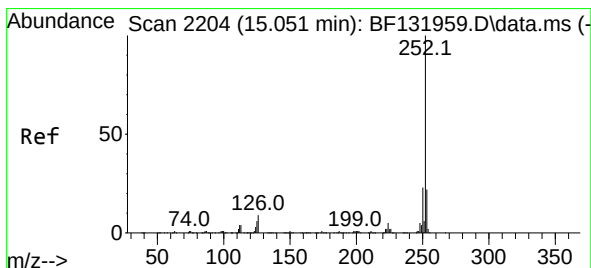
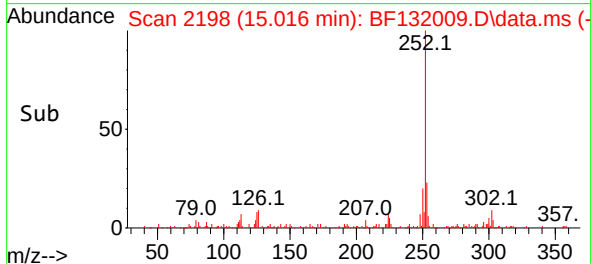
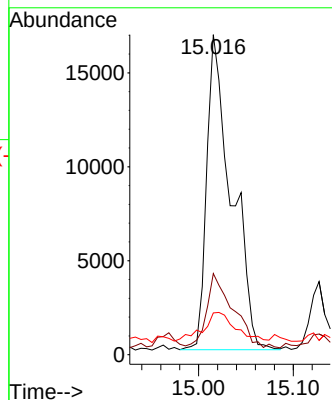
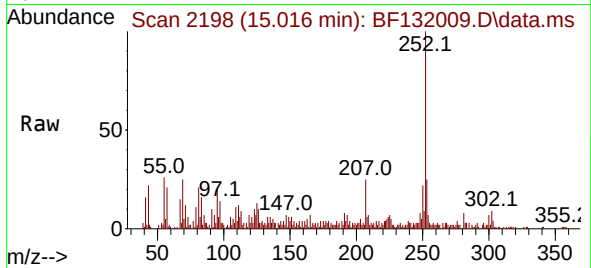




#88
Benzo(b)fluoranthene
Concen: 4.300 ng
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

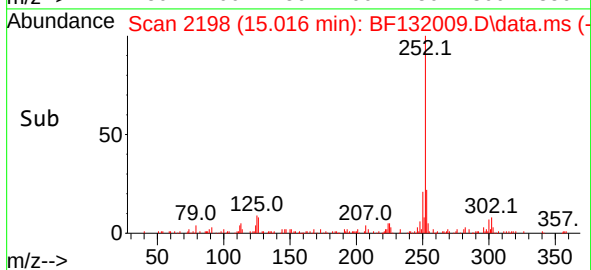
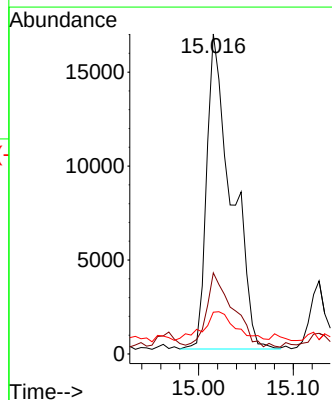
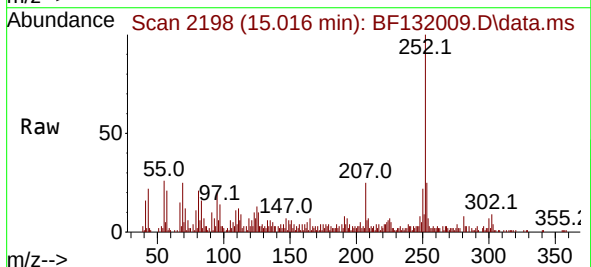
Instrument :
BNA_F
ClientSampleId :
BU-03-010923

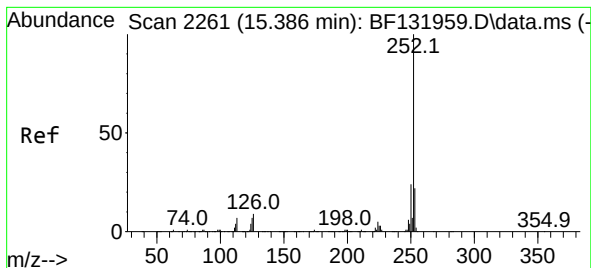
Tgt Ion:252 Resp: 30441
Ion Ratio Lower Upper
252 100
253 25.3 18.0 27.0
125 13.1 5.8 8.6#



#89
Benzo(k)fluoranthene
Concen: 4.308 ng
RT: 15.016 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF132009.D
Acq: 10 Jan 2023 22:05

Tgt Ion:252 Resp: 30441
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 13.1 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 2.547 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Instrument :

BNA_F

ClientSampleId :

BU-03-010923

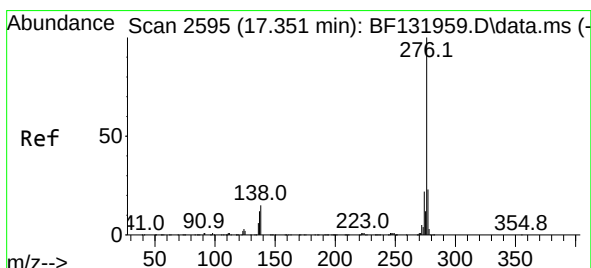
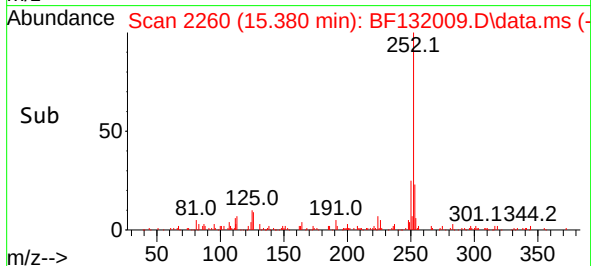
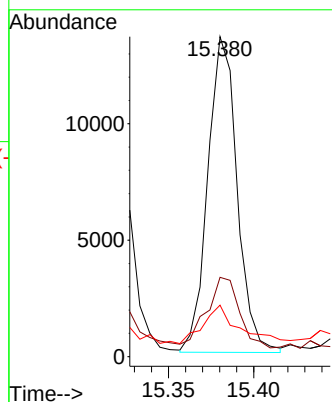
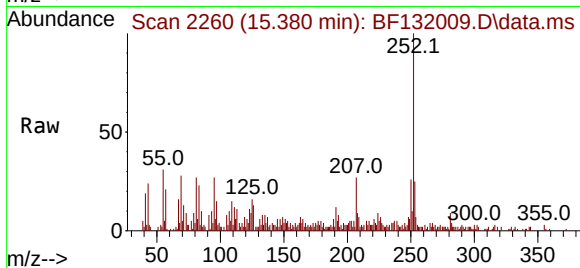
Tgt Ion:252 Resp: 16246

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 16.1 5.7 8.5#



#92

Benzo(g,h,i)perylene

Concen: 5.141 ng

RT: 17.351 min Scan# 2595

Delta R.T. -0.000 min

Lab File: BF132009.D

Acq: 10 Jan 2023 22:05

Tgt Ion:276 Resp: 9909

Ion Ratio Lower Upper

276 100

277 24.7 18.2 27.2

138 15.1 11.7 17.5

