

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
 Data File : BF136151.D
 Acq On : 06 Nov 2023 13:26
 Operator : CG\JU
 Sample : 05237-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 111TH-ST-1

Quant Time: Nov 06 18:46:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 06 00:53:35 2023
 Response via : Initial Calibration

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

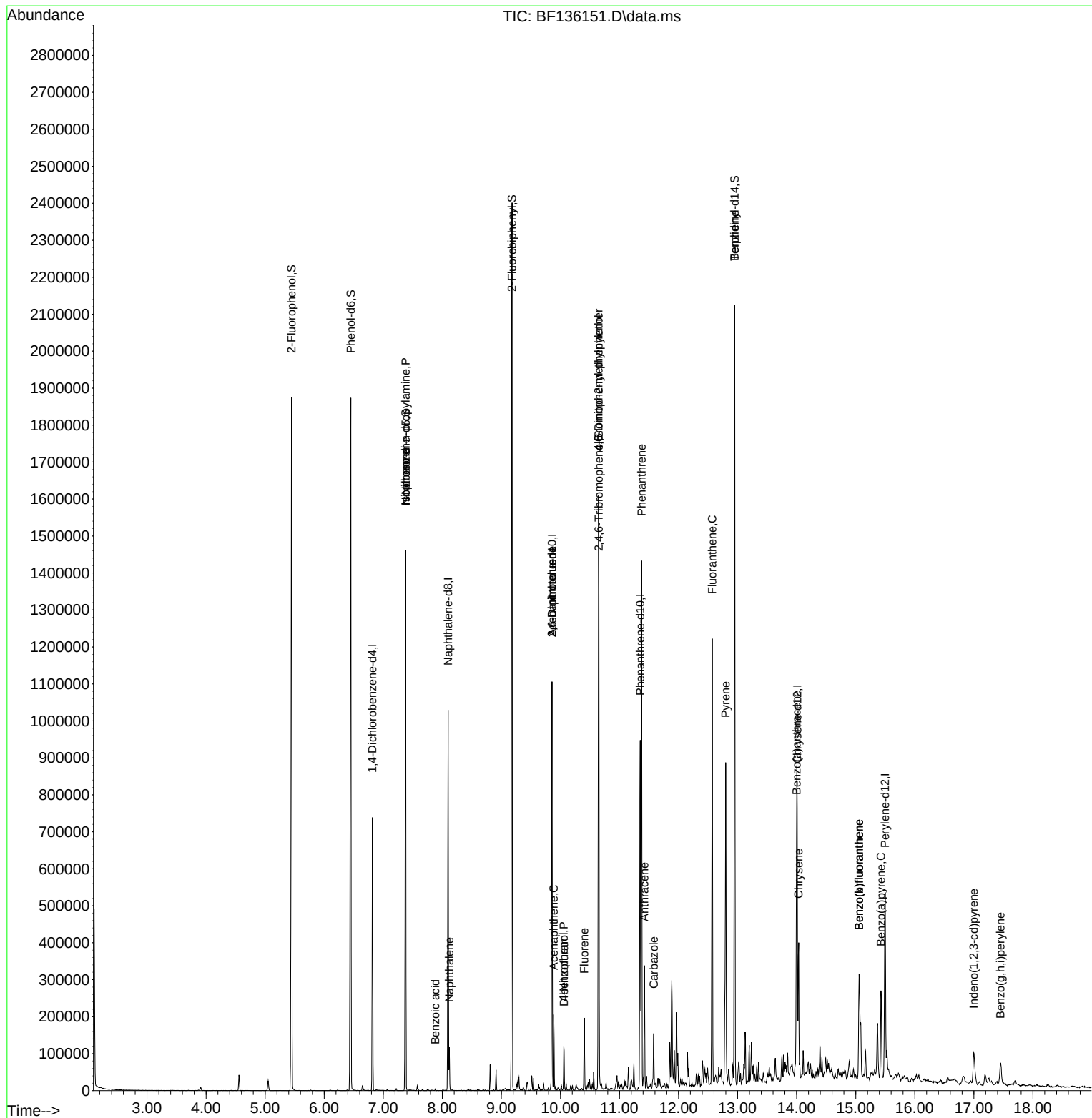
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	97644	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	385835	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	196422	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	354167	20.000	ng	0.00
76) Chrysene-d12	14.010	240	206378	20.000	ng	0.00
86) Perylene-d12	15.498	264	234611	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	538629	86.683	ng	0.00
7) Phenol-d6	6.451	99	656523	84.800	ng	0.00
23) Nitrobenzene-d5	7.381	82	408241	63.783	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	186851	89.123	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	715380	58.058	ng	0.00
79) Terphenyl-d14	12.951	244	675236	50.845	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	54276	12.270	ng	# 76
25) Isophorone	7.381	82	408236	33.785	ng	# 64
31) Naphthalene	8.116	128	43378	2.331	ng	99
32) Benzoic acid	7.881	122	573	5.229	ng	# 31
51) 2,6-Dinitrotoluene	9.857	165	27217	9.822	ng	# 29
52) Acenaphthene	9.886	154	37658	3.440	ng	98
55) Dibenzofuran	10.063	168	36717	2.300	ng	98
56) 4-Nitrophenol	10.057	139	14204	5.873	ng	# 17
57) 2,4-Dinitrotoluene	9.857	165	27217	7.763	ng	# 26
58) Fluorene	10.404	166	46095	3.857	ng	98
65) 4,6-Dinitro-2-methylph...	10.645	198	556	6.042	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	12645	3.405	ng	# 1
71) Phenanthrene	11.375	178	466437	26.157	ng	99
72) Anthracene	11.422	178	112364	6.149	ng	99
73) Carbazole	11.580	167	52475	3.305	ng	97
75) Fluoranthene	12.569	202	439371	23.984	ng	98
77) Benzidine	12.951	184	8959	2.227	ng	# 94
78) Pyrene	12.798	202	352683	19.383	ng	99
81) Benzo(a)anthracene	13.998	228	166501	12.186	ng	100
83) Chrysene	14.033	228	146701	10.903	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	61464	4.009	ng	98
88) Benzo(b)fluoranthene	15.057	252	220855	15.909	ng	98
89) Benzo(k)fluoranthene	15.057	252	220855	16.079	ng	98
90) Benzo(a)pyrene	15.427	252	118291	9.171	ng	97
92) Benzo(g,h,i)perylene	17.451	276	51675	6.291	ng	99

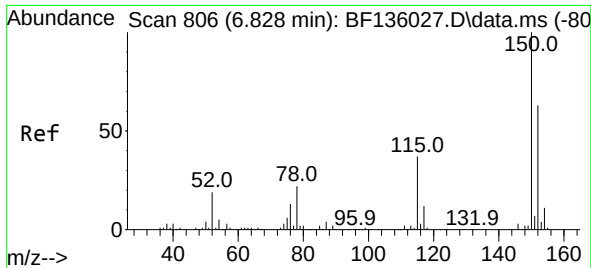
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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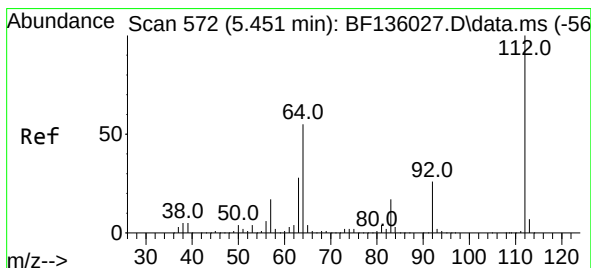
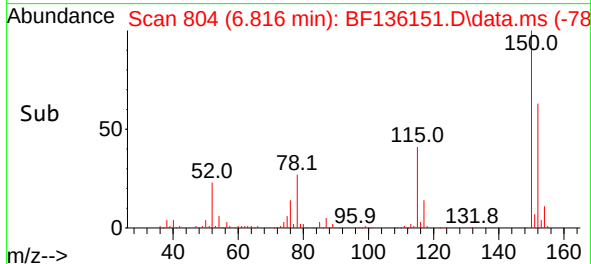
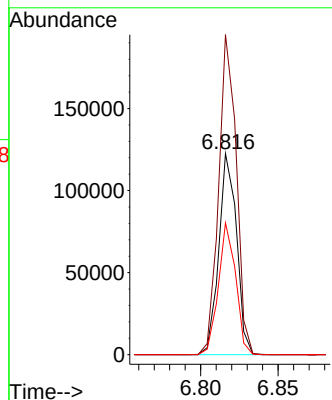
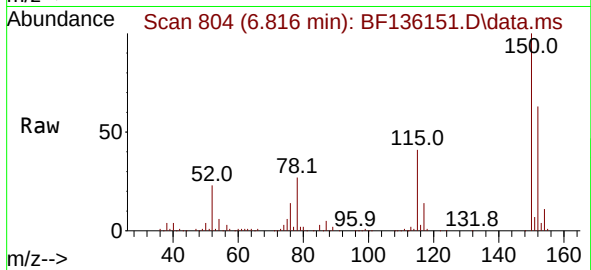




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 806
 Delta R.T. -0.006 min
 Lab File: BF136151.D
 Acq: 06 Nov 2023 13:26

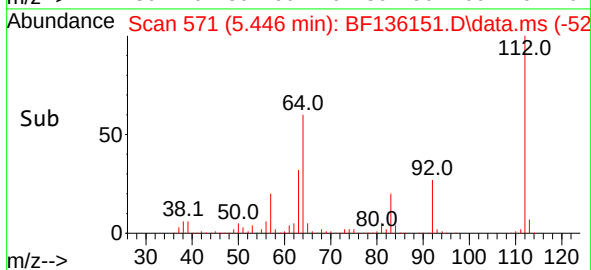
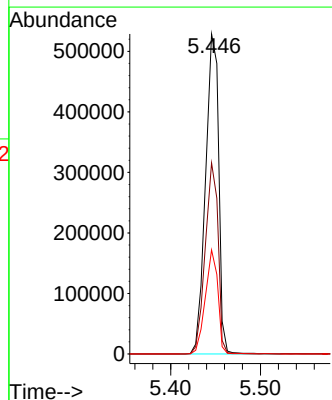
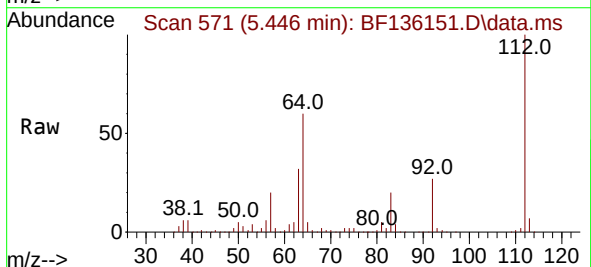
Instrument :
 BNA_F
 ClientSampleId :
 111TH-ST-1

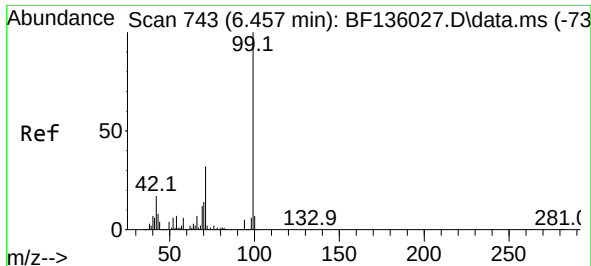
Tgt Ion:152 Resp: 97644
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.4 189.6
 115 65.6 47.0 70.4



#5
 2-Fluorophenol
 Concen: 86.683 ng
 RT: 5.446 min Scan# 571
 Delta R.T. 0.000 min
 Lab File: BF136151.D
 Acq: 06 Nov 2023 13:26

Tgt Ion:112 Resp: 538629
 Ion Ratio Lower Upper
 112 100
 64 59.7 43.9 65.9
 63 32.5 22.4 33.6

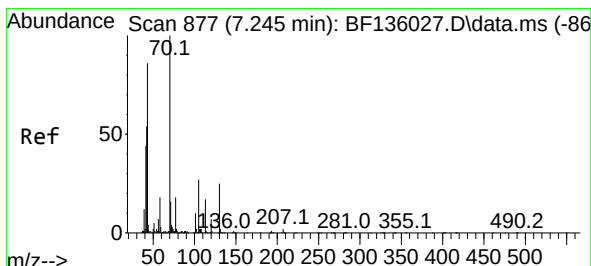
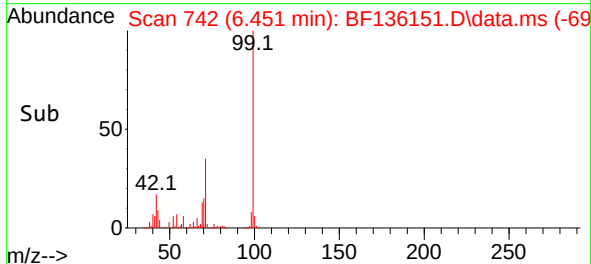
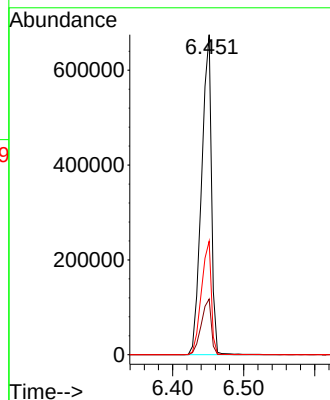
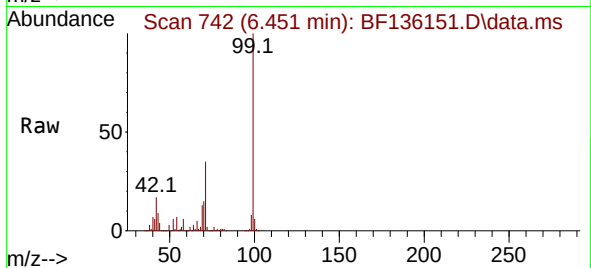




#7
Phenol-d6
Concen: 84.800 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

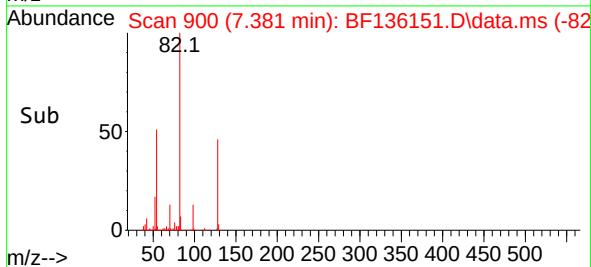
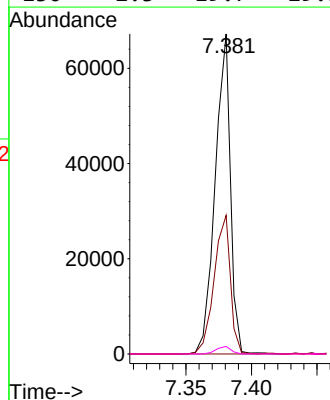
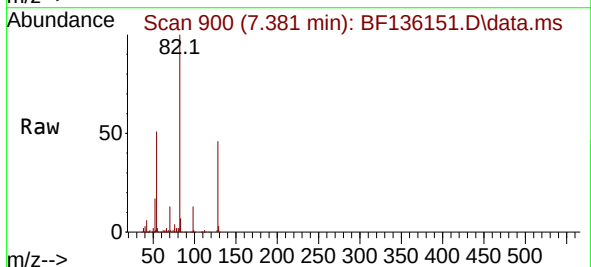
Instrument :
BNA_F
ClientSampleId :
111TH-ST-1

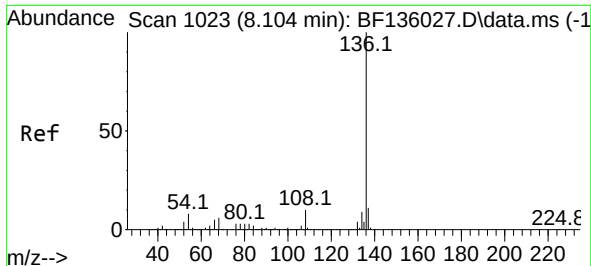
Tgt Ion: 99 Resp: 656523
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 35.5 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 12.270 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion: 70 Resp: 54276
Ion Ratio Lower Upper
70 100
42 43.3 43.0 64.4
101 0.0 8.0 12.0#
130 2.3 19.7 29.5#

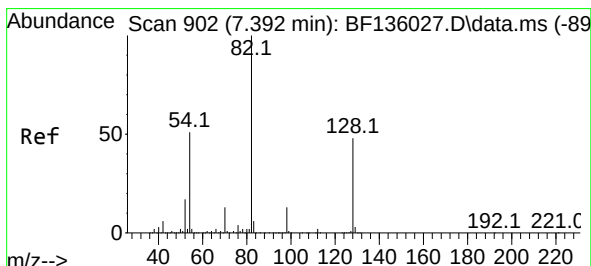
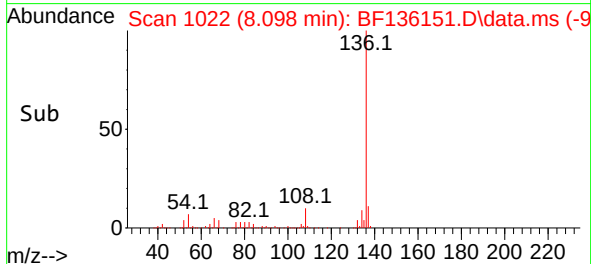
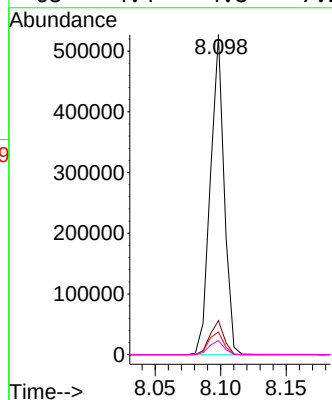
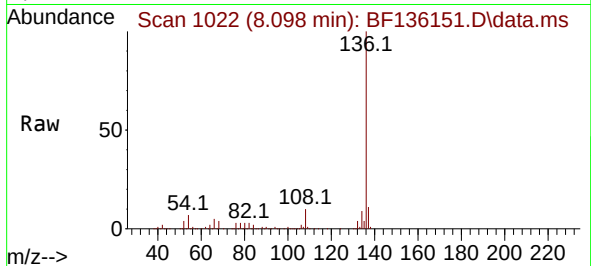




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

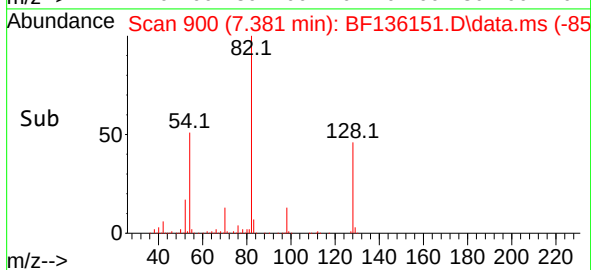
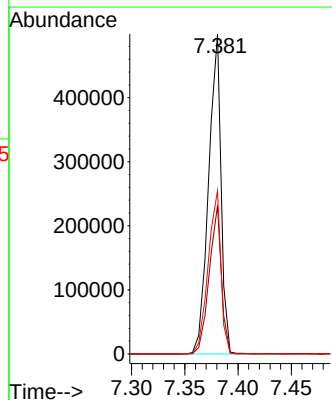
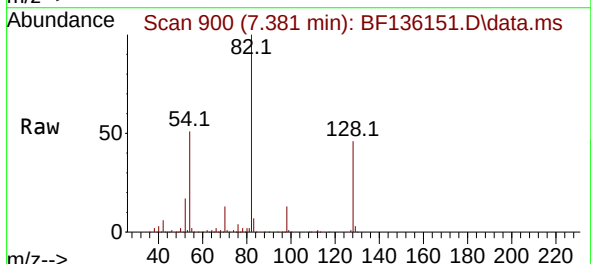
Instrument :
BNA_F
ClientSampleId :
111TH-ST-1

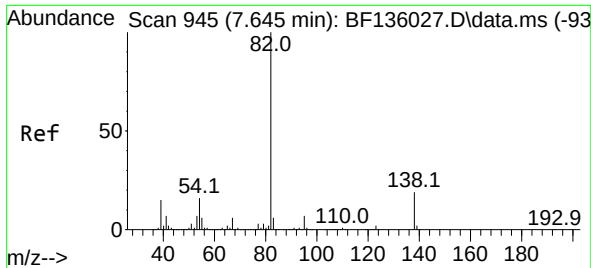
Tgt Ion:	136	Resp:	385835
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	7.1	6.6	9.8
68	4.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 63.783 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion:	82	Resp:	408241
Ion	Ratio	Lower	Upper
82	100		
128	46.3	38.6	57.8
54	51.0	40.8	61.2

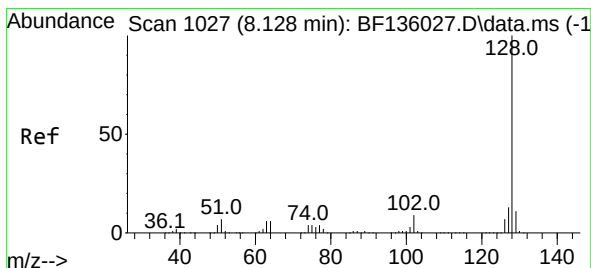
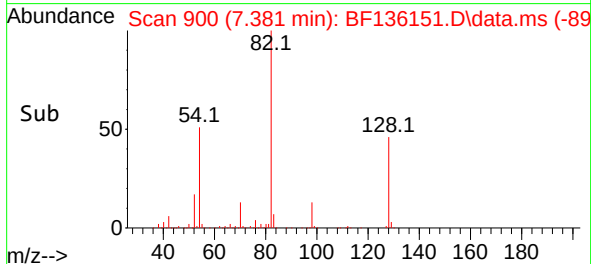
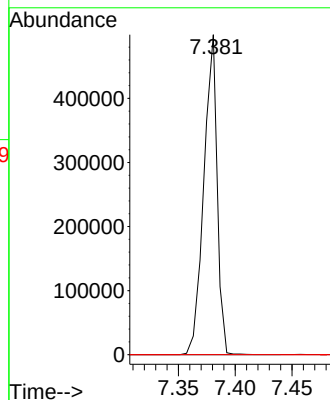
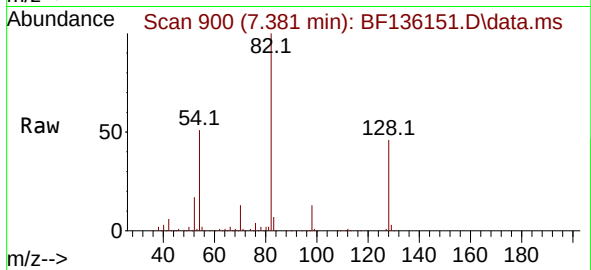




#25
Isophorone
Concen: 33.785 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

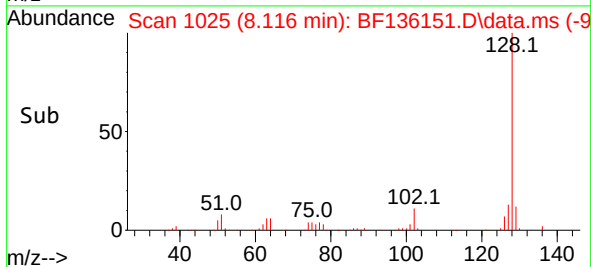
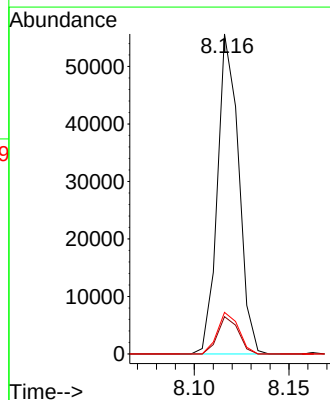
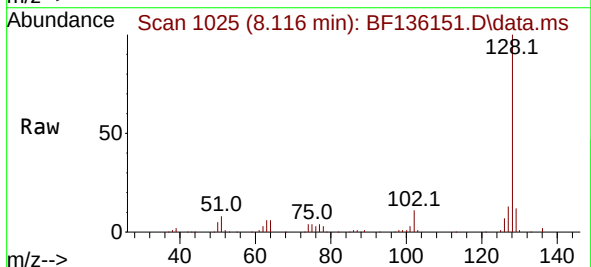
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ClientSampleId :
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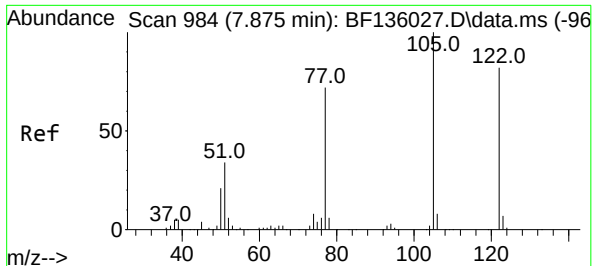
Tgt Ion: 82 Resp: 408236
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#31
Naphthalene
Concen: 2.331 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion: 128 Resp: 43378
Ion Ratio Lower Upper
128 100
129 11.7 8.9 13.3
127 13.0 10.5 15.7

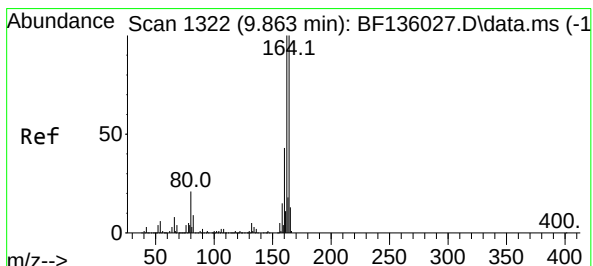
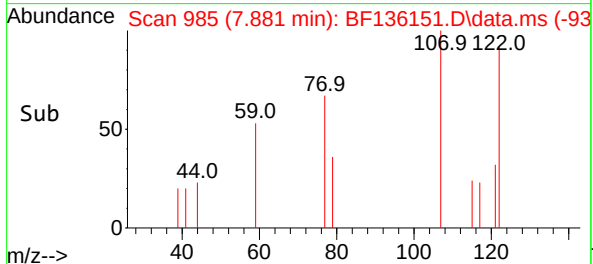
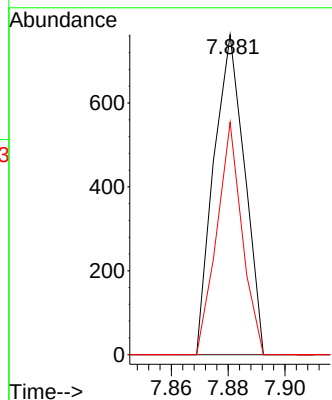
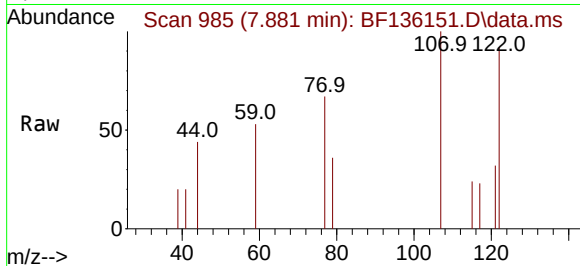




#32
Benzoic acid
Concen: 5.229 ng
RT: 7.881 min Scan# 911
Delta R.T. 0.012 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

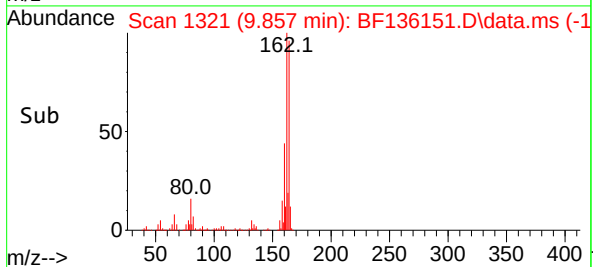
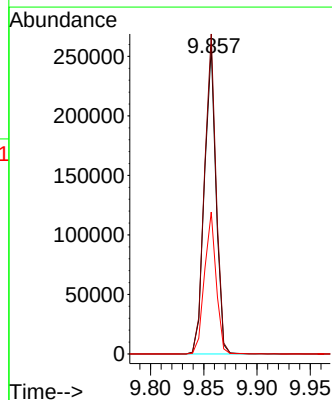
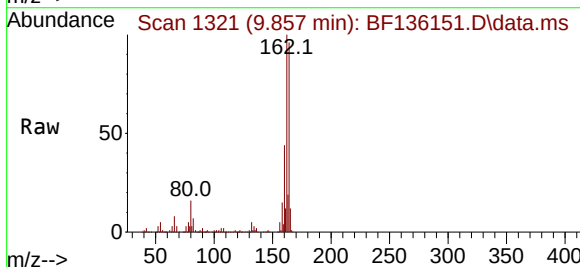
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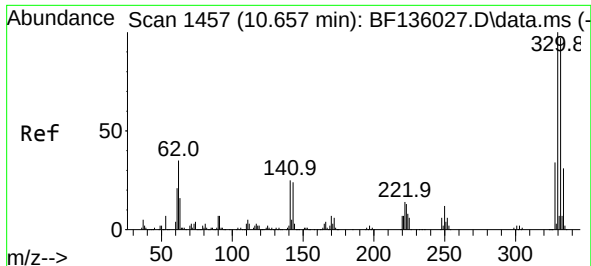
Tgt Ion:122 Resp: 573
Ion Ratio Lower Upper
122 100
105 0.0 99.5 139.5#
77 72.6 66.8 106.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion:164 Resp: 196422
Ion Ratio Lower Upper
164 100
162 104.3 80.1 120.1
160 46.3 34.8 52.2

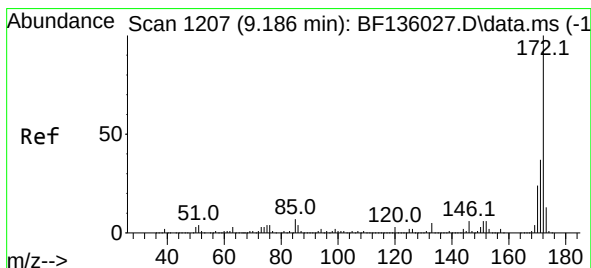
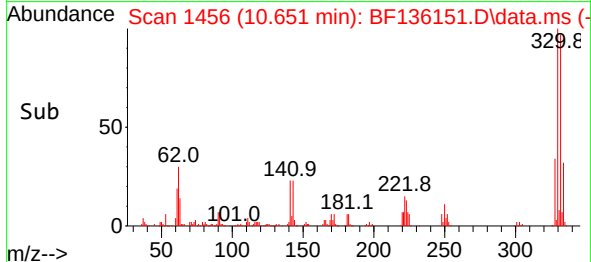
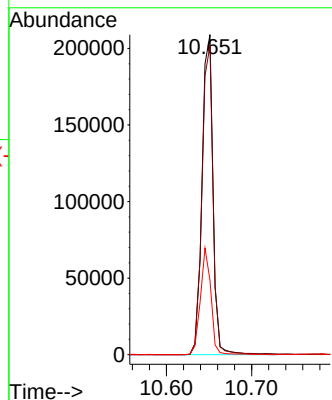
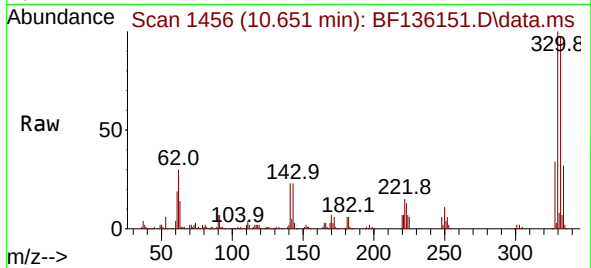




#42
2,4,6-Tribromophenol
Concen: 89.123 ng
RT: 10.651 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

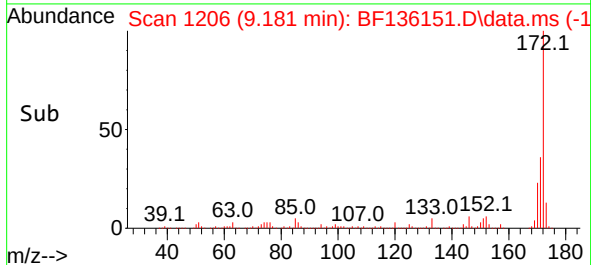
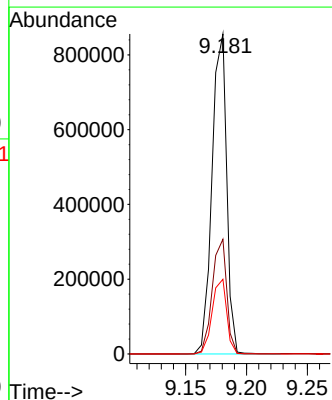
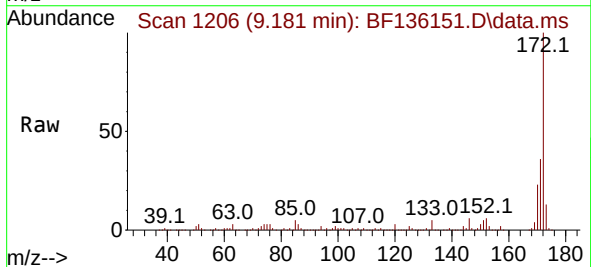
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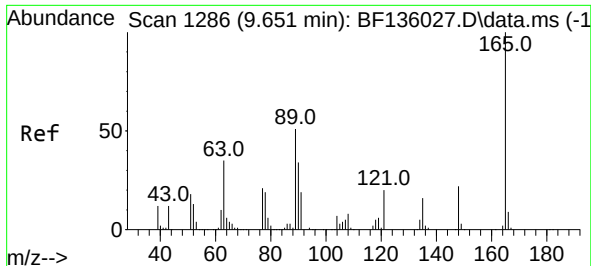
Tgt Ion:330 Resp: 186851
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 32.1 23.2 34.8



#45
2-Fluorobiphenyl
Concen: 58.058 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion:172 Resp: 715380
Ion Ratio Lower Upper
172 100
171 35.9 29.4 44.0
170 23.3 19.3 28.9





#51

2,6-Dinitrotoluene

Concen: 9.822 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

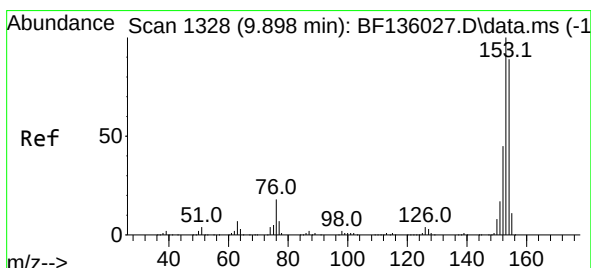
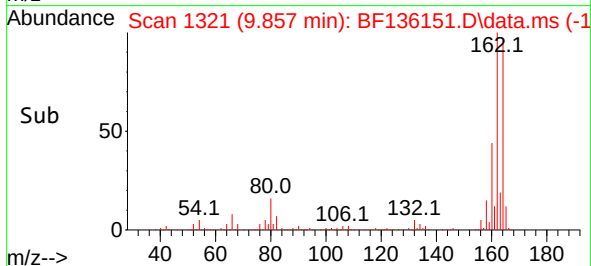
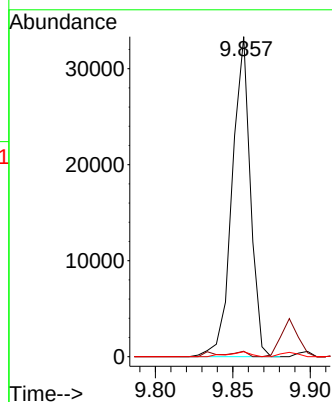
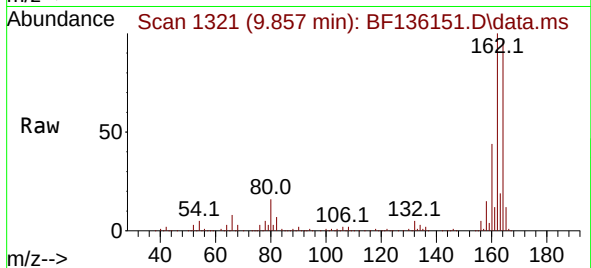
Tgt Ion:165 Resp: 27217

Ion Ratio Lower Upper

165 100

63 1.7 40.8 61.2#

89 1.5 41.1 61.7#



#52

Acenaphthene

Concen: 3.440 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

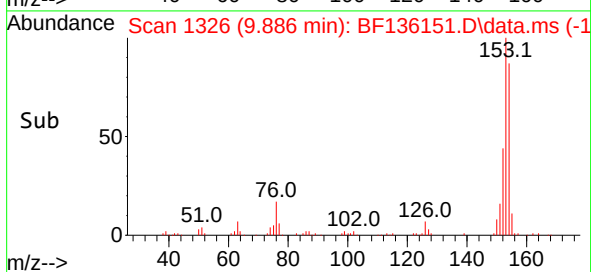
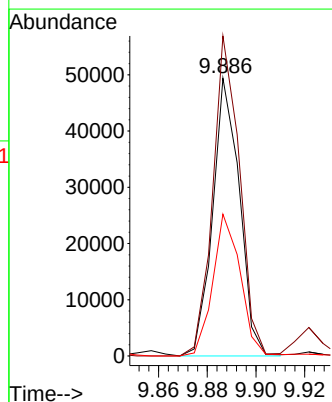
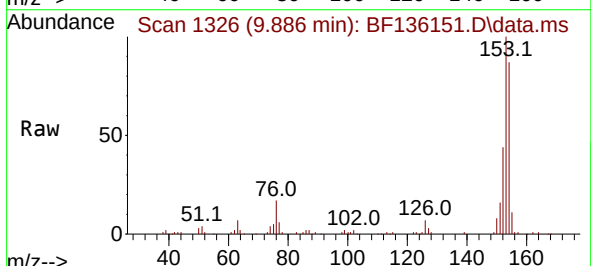
Tgt Ion:154 Resp: 37658

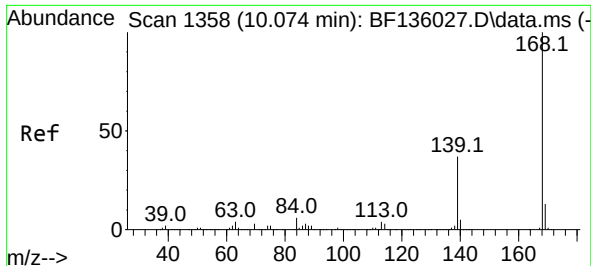
Ion Ratio Lower Upper

154 100

153 115.2 89.9 134.9

152 51.0 40.2 60.2

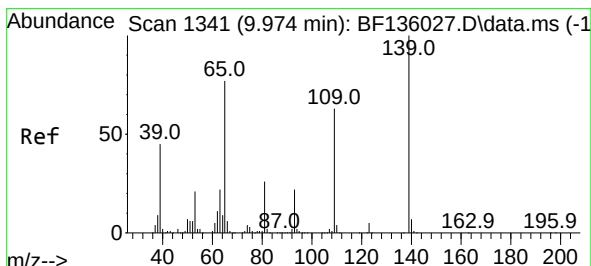
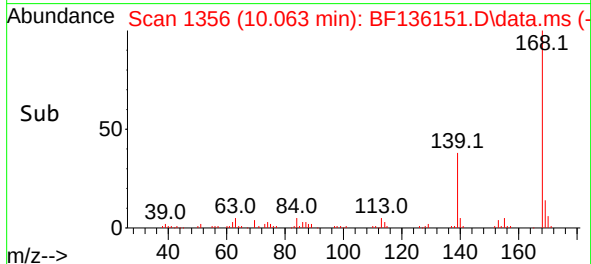
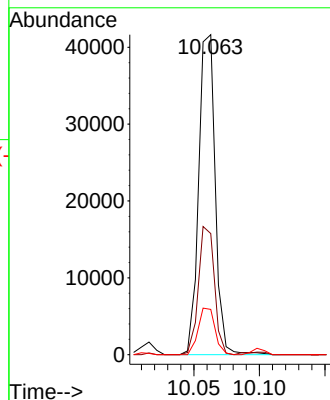
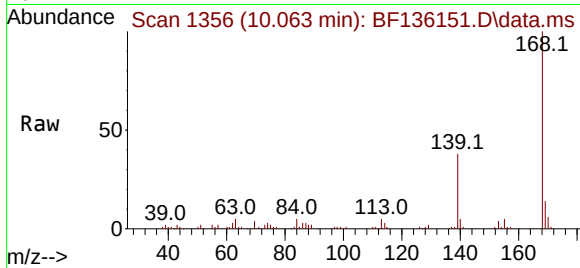




#55
Dibenzenofuran
Concen: 2.300 ng
RT: 10.063 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

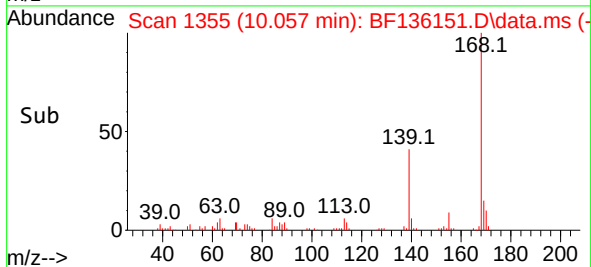
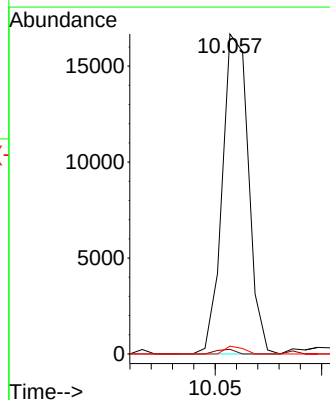
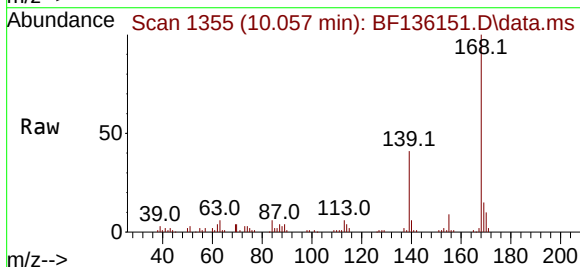
Instrument :
BNA_F
ClientSampleId :
111TH-ST-1

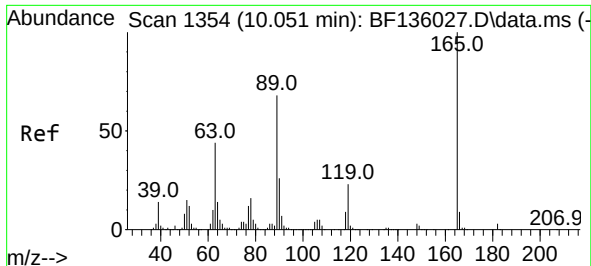
Tgt Ion:168 Resp: 36717
Ion Ratio Lower Upper
168 100
139 37.8 29.4 44.0
169 14.2 10.5 15.7



#56
4-Nitrophenol
Concen: 5.873 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.088 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion:139 Resp: 14204
Ion Ratio Lower Upper
139 100
109 1.5 43.2 83.2#
65 2.5 57.6 97.6#

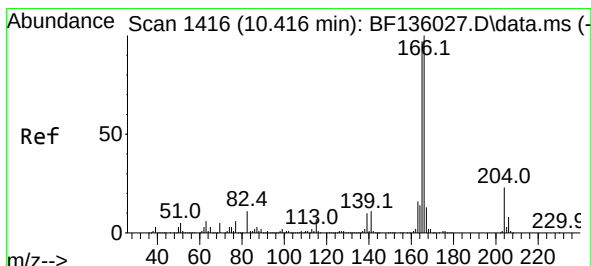
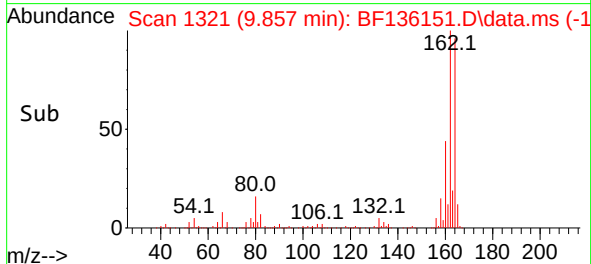
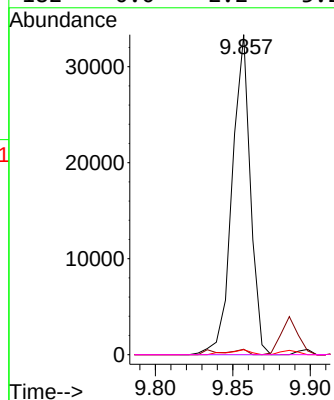
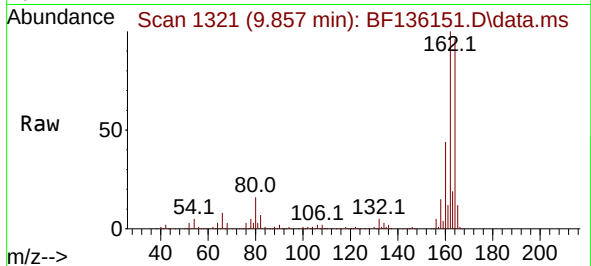




#57
2,4-Dinitrotoluene
Concen: 7.763 ng
RT: 9.857 min Scan# 111
Delta R.T. -0.194 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

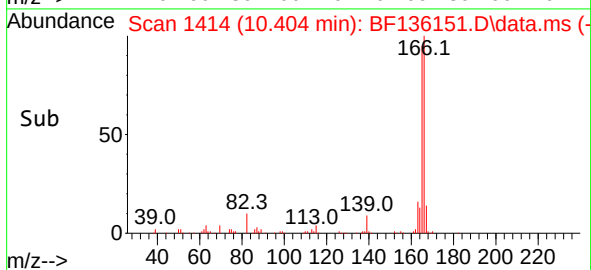
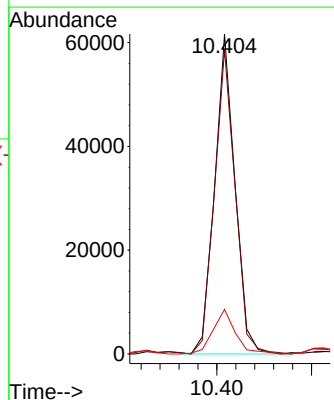
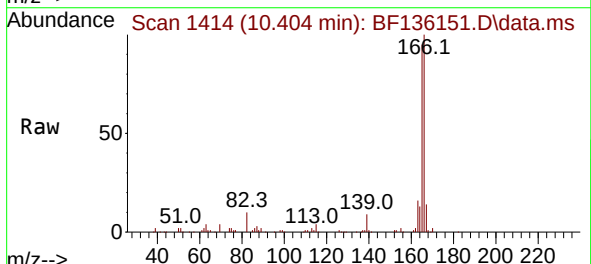
Instrument :
BNA_F
ClientSampleId :
111TH-ST-1

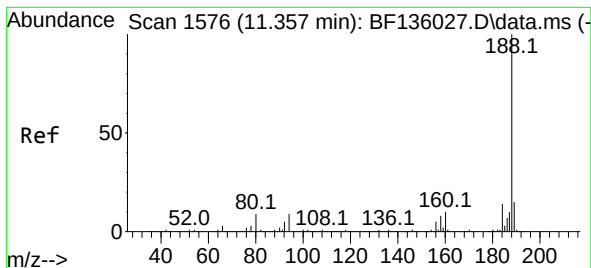
Tgt Ion:165	Resp:	27217
Ion Ratio	Lower	Upper
165	100	
63	1.7	35.2 52.8#
89	1.5	54.8 82.2#
182	0.0	2.2 3.2#



#58
Fluorene
Concen: 3.857 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion:166	Resp:	46095
Ion Ratio	Lower	Upper
166	100	
165	95.1	77.7 116.5
167	14.0	10.6 16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

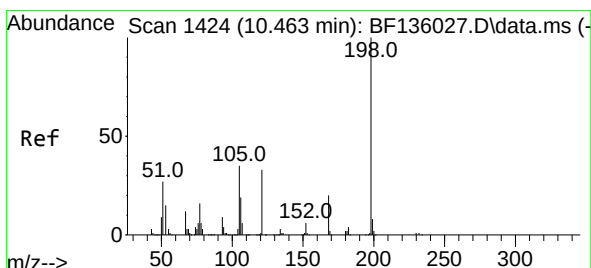
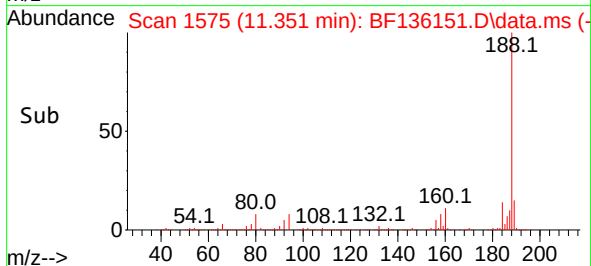
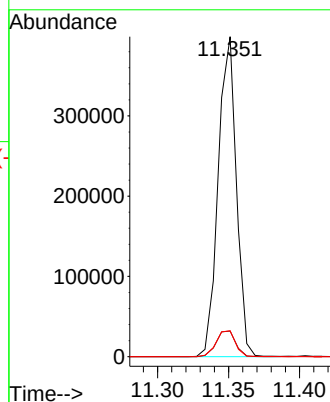
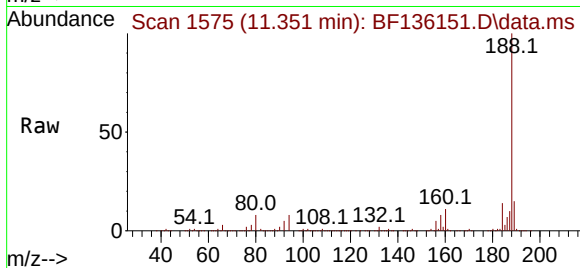
Tgt Ion:188 Resp: 354167

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

80 8.1 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.042 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.188 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

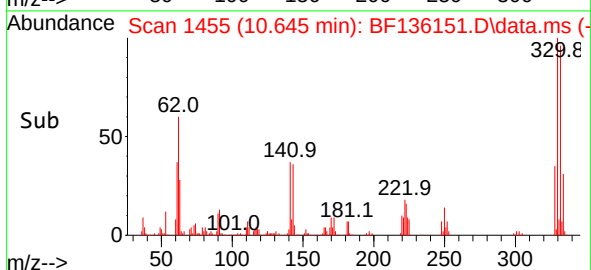
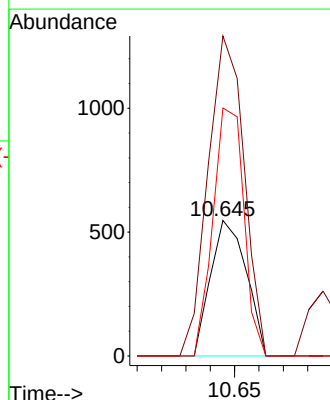
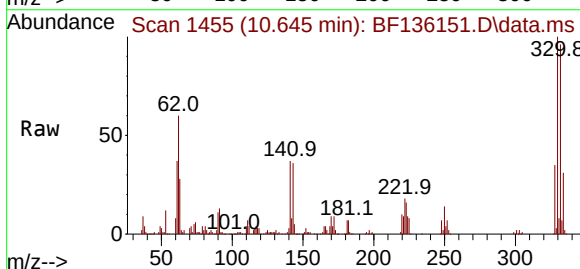
Tgt Ion:198 Resp: 556

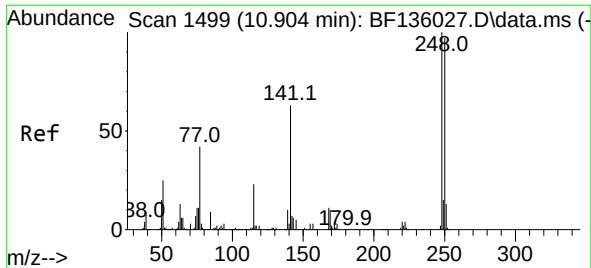
Ion Ratio Lower Upper

198 100

51 236.2 12.9 52.9#

105 183.0 16.0 56.0#

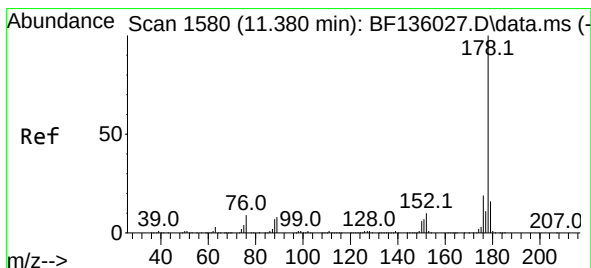
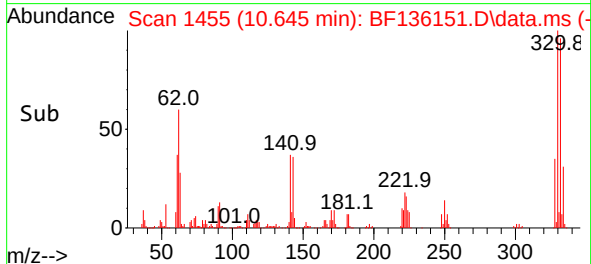
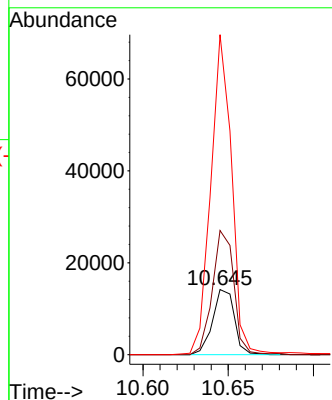
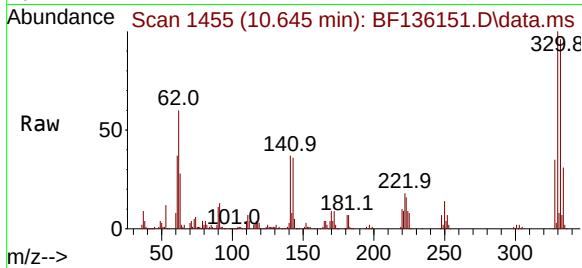




#67
4-Bromophenyl-phenylether
Concen: 3.405 ng
RT: 10.645 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

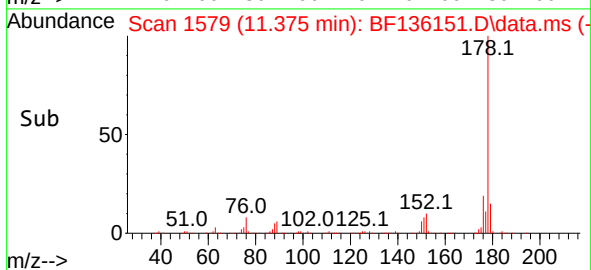
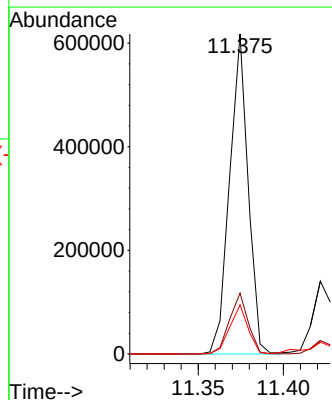
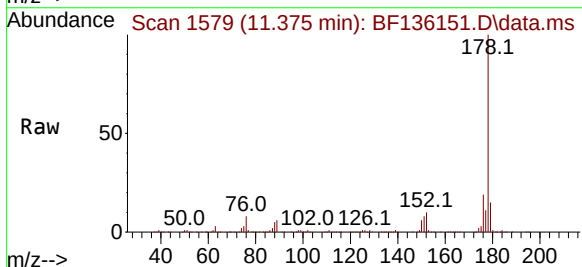
Instrument :
BNA_F
ClientSampleId :
111TH-ST-1

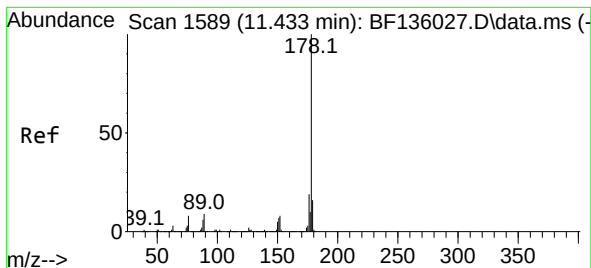
Tgt Ion:248 Resp: 12645
Ion Ratio Lower Upper
248 100
250 190.5 77.6 116.4#
141 490.9 50.4 75.6#



#71
Phenanthrene
Concen: 26.157 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

Tgt Ion:178 Resp: 466437
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.9 19.3





#72

Anthracene

Concen: 6.149 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

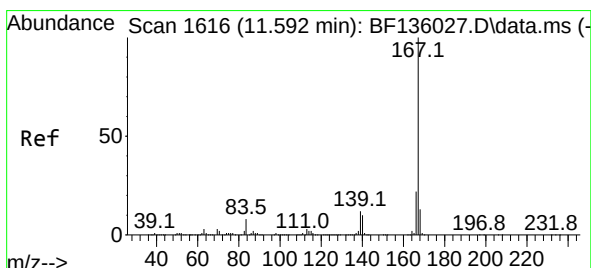
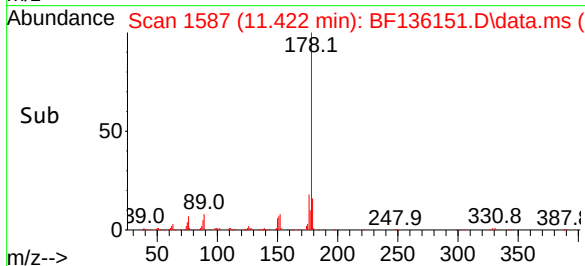
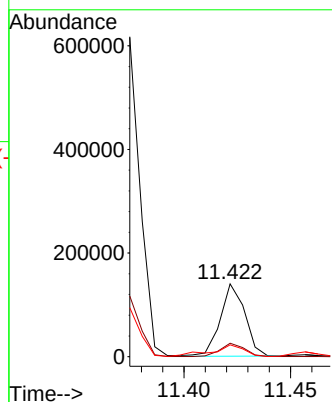
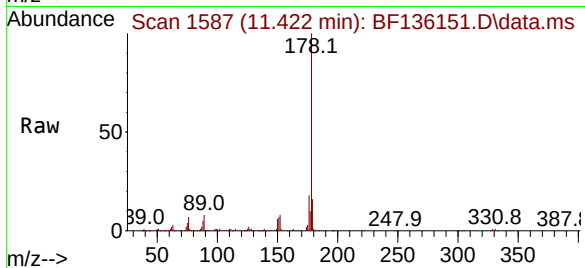
Tgt Ion:178 Resp: 112364

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 16.2 12.6 18.8



#73

Carbazole

Concen: 3.305 ng

RT: 11.580 min Scan# 1614

Delta R.T. -0.006 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

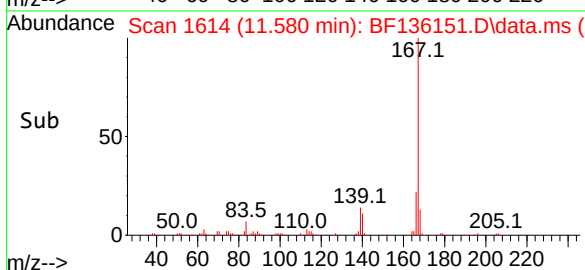
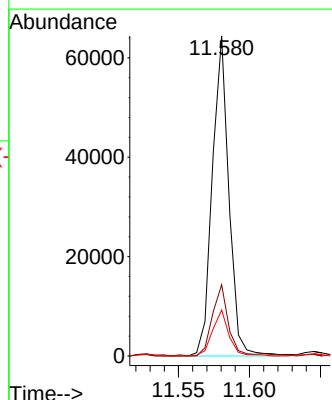
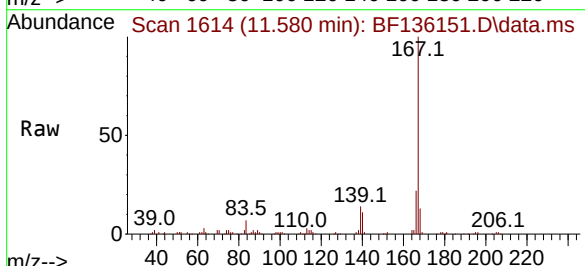
Tgt Ion:167 Resp: 52475

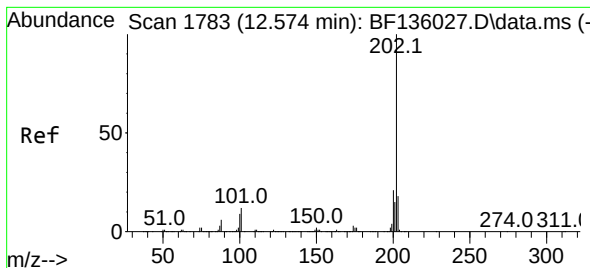
Ion Ratio Lower Upper

167 100

166 22.3 17.2 25.8

139 14.4 9.9 14.9





#75

Fluoranthene

Concen: 23.984 ng

RT: 12.569 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

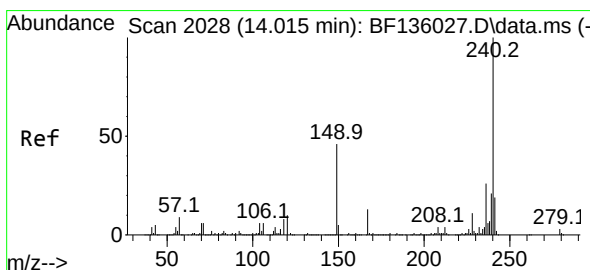
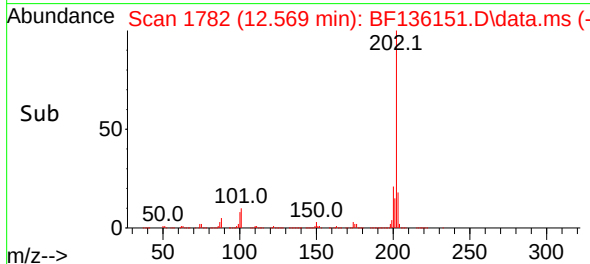
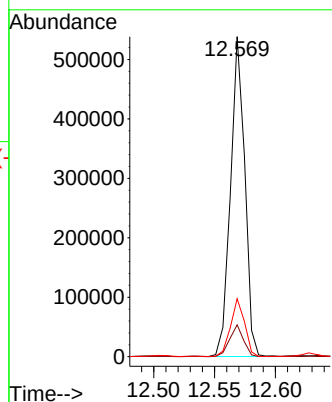
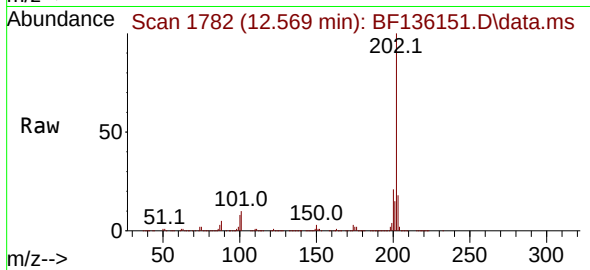
Tgt Ion:202 Resp: 439371

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.8

203 18.1 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

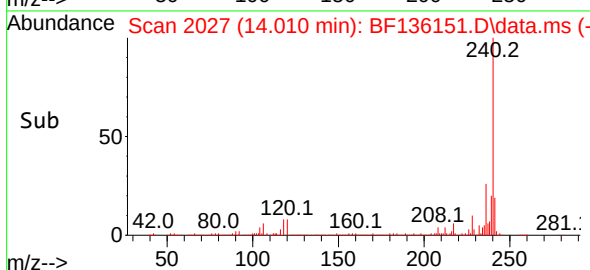
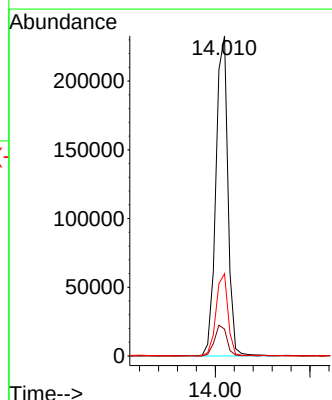
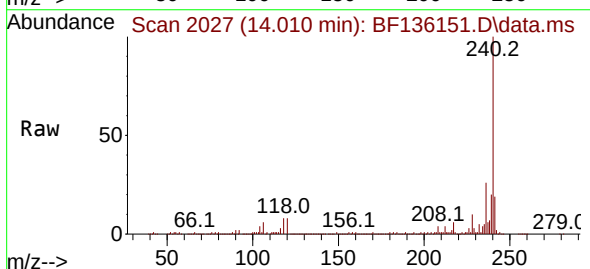
Tgt Ion:240 Resp: 206378

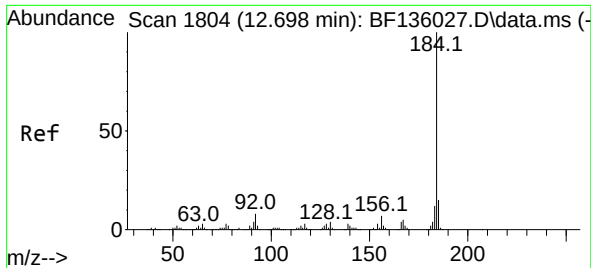
Ion Ratio Lower Upper

240 100

120 8.4 7.6 11.4

236 25.7 20.6 31.0

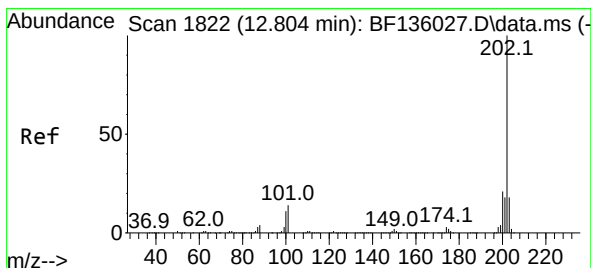
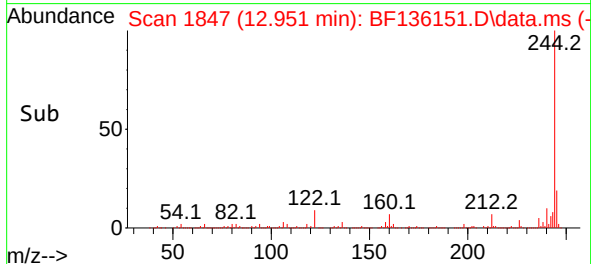
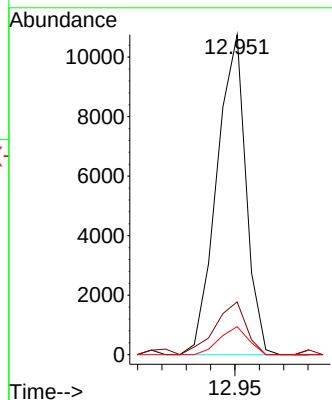
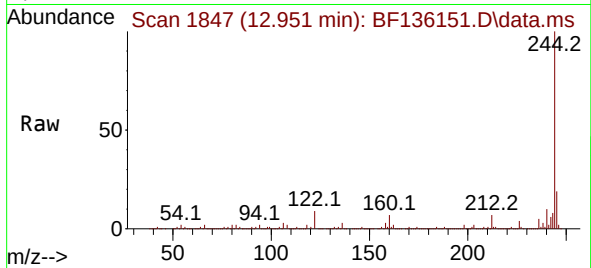




#77
Benzidine
Concen: 2.227 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

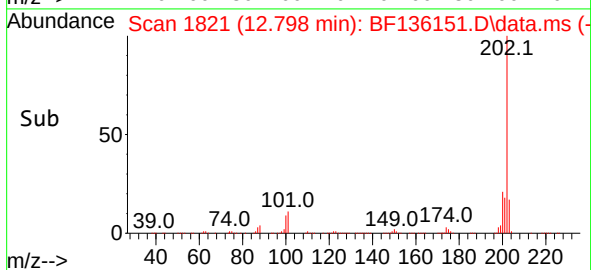
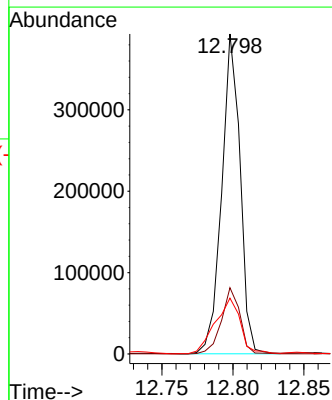
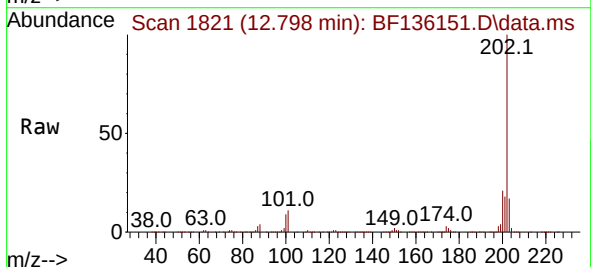
Instrument :
BNA_F
ClientSampleId :
111TH-ST-1

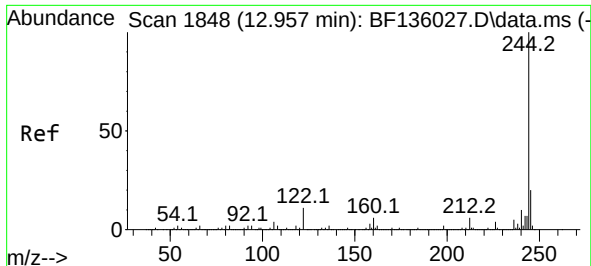
Tgt Ion:184 Resp: 8959
Ion Ratio Lower Upper
184 100
185 16.5 11.8 17.8
183 8.8 9.5 14.3#



#78
Pyrene
Concen: 19.383 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF136151.D
Acq: 06 Nov 2023 13:26

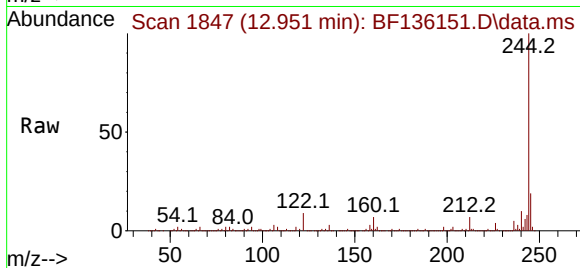
Tgt Ion:202 Resp: 352683
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 17.4 14.4 21.6



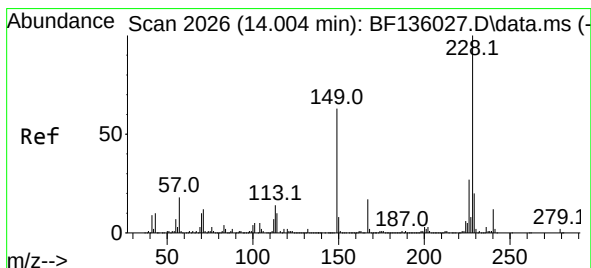
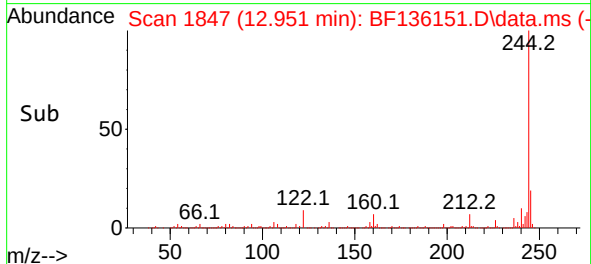
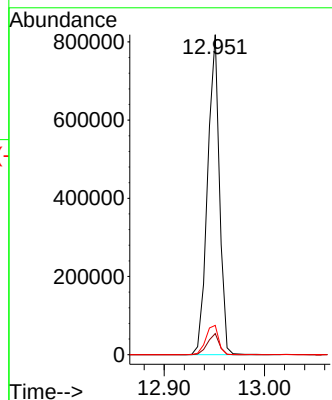


#79
 Terphenyl-d14
 Concen: 50.845 ng
 RT: 12.951 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF136151.D
 Acq: 06 Nov 2023 13:26

Instrument :
 BNA_F
 ClientSampleId :
 111TH-ST-1

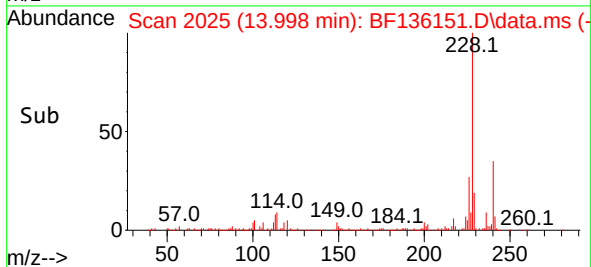
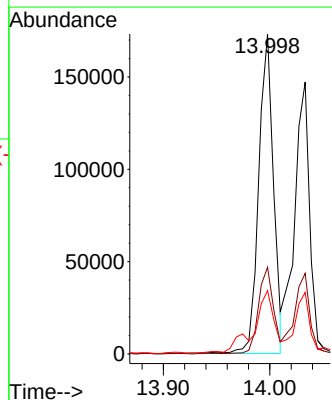
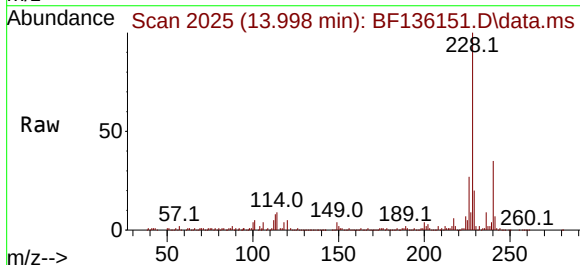


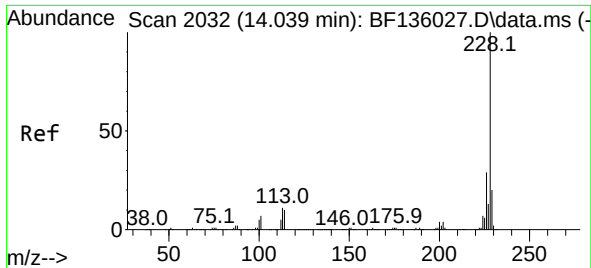
Tgt Ion:244 Resp: 675236
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 9.2 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 12.186 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF136151.D
 Acq: 06 Nov 2023 13:26

Tgt Ion:228 Resp: 166501
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.5 32.3
 229 19.8 15.8 23.6





#83

Chrysene

Concen: 10.903 ng

RT: 14.033 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

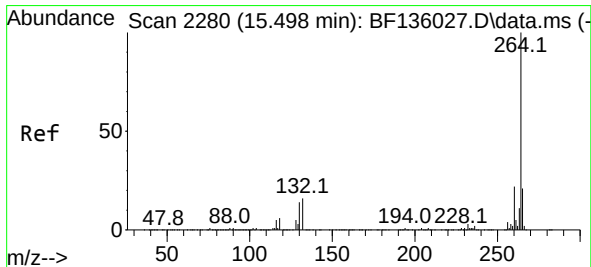
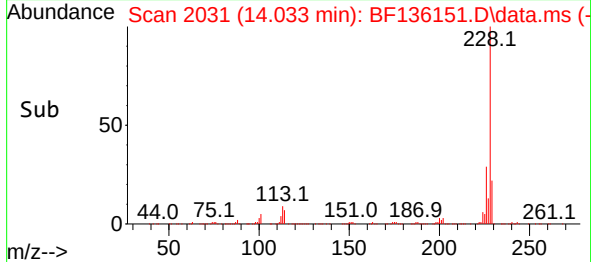
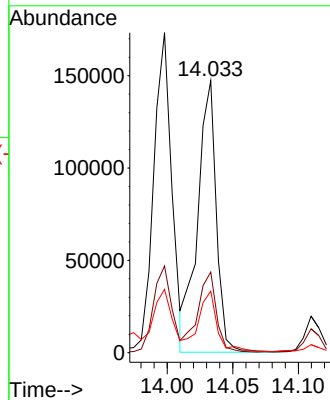
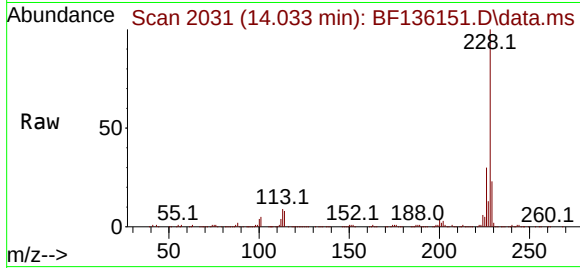
Tgt Ion:228 Resp: 146701

Ion Ratio Lower Upper

228 100

226 29.6 23.5 35.3

229 22.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

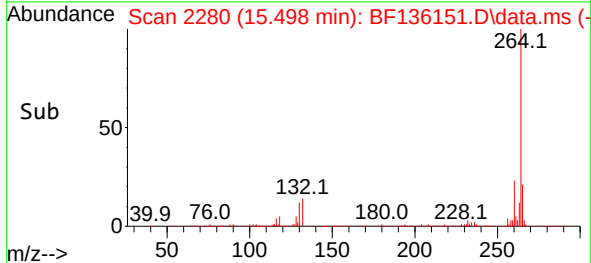
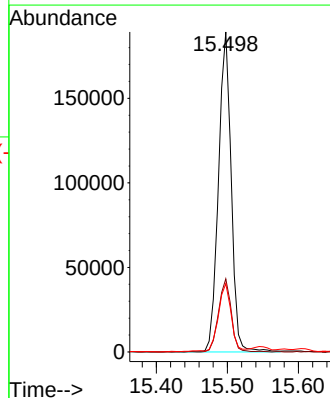
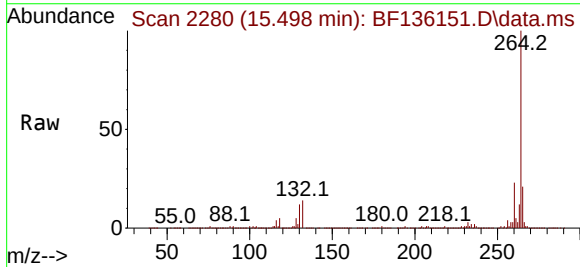
Tgt Ion:264 Resp: 234611

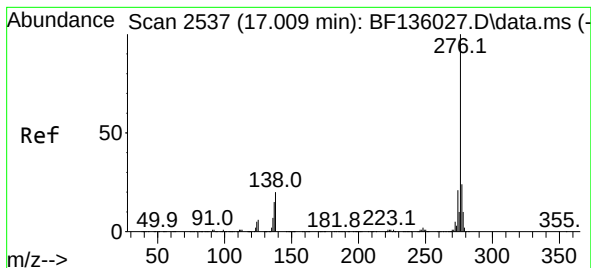
Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 21.4 16.8 25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.009 ng

RT: 16.998 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

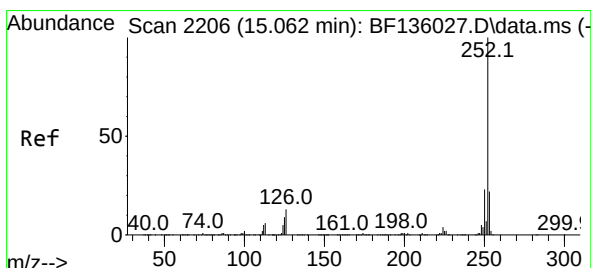
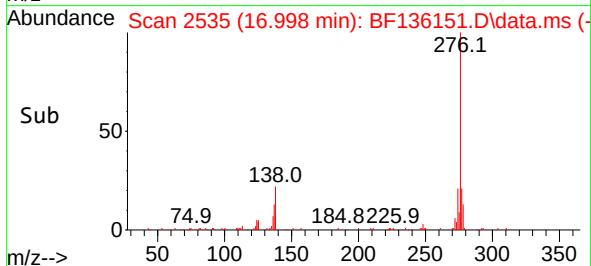
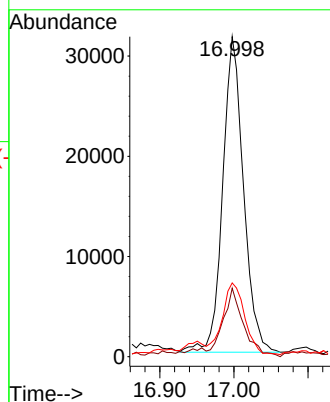
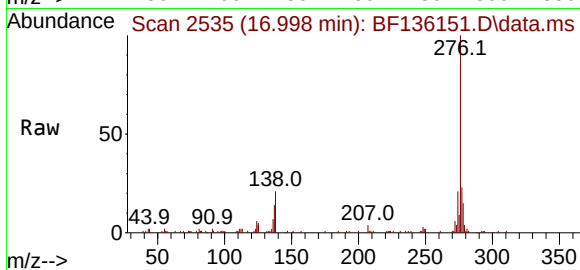
Tgt Ion:276 Resp: 61464

Ion Ratio Lower Upper

276 100

138 23.9 20.4 30.6

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.909 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

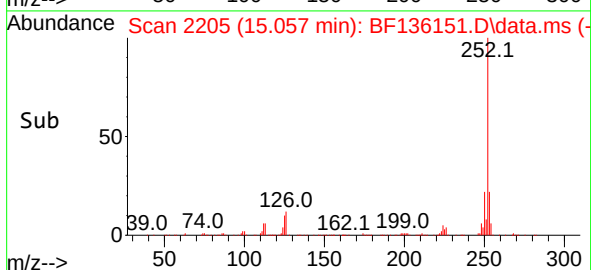
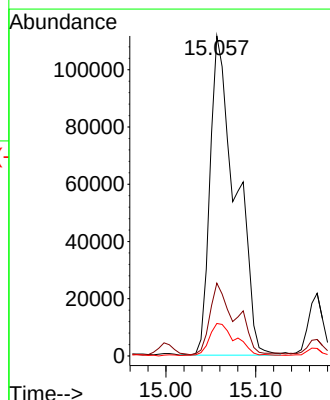
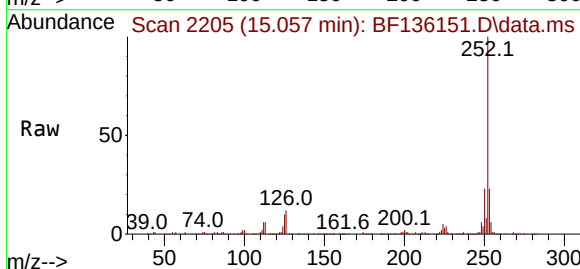
Tgt Ion:252 Resp: 220855

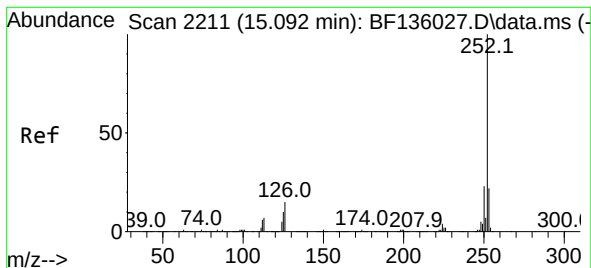
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 10.2 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 16.079 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1

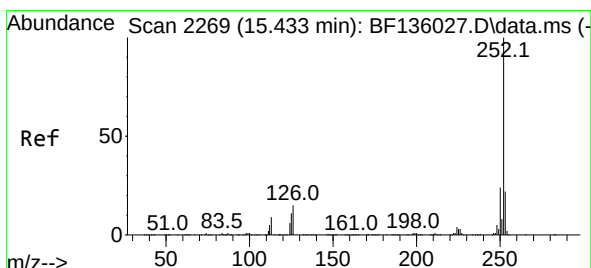
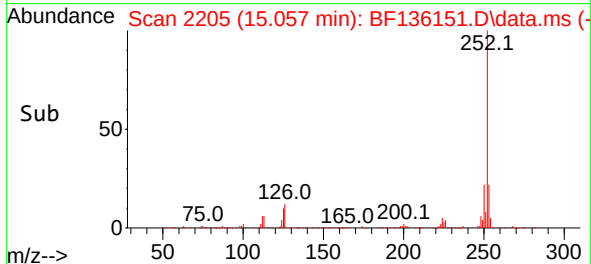
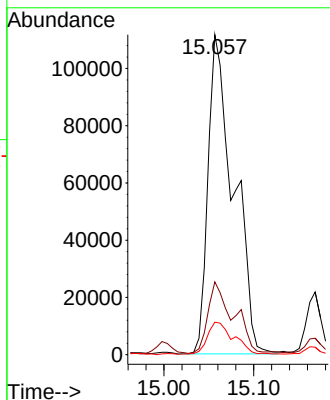
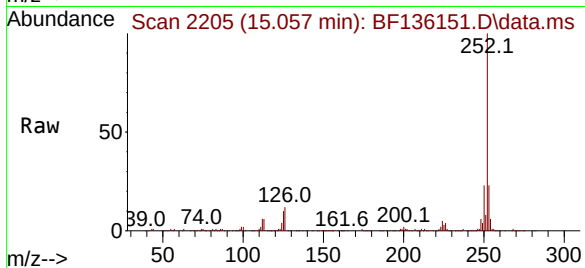
Tgt Ion:252 Resp: 220855

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 10.2 8.0 12.0



#90

Benzo(a)pyrene

Concen: 9.171 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF136151.D

Acq: 06 Nov 2023 13:26

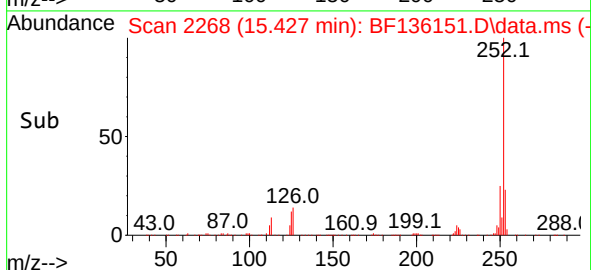
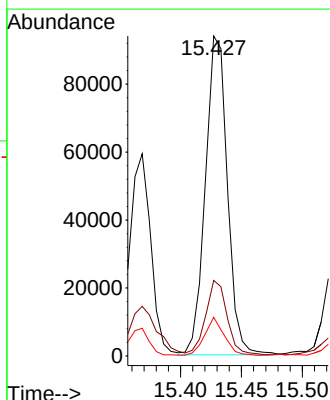
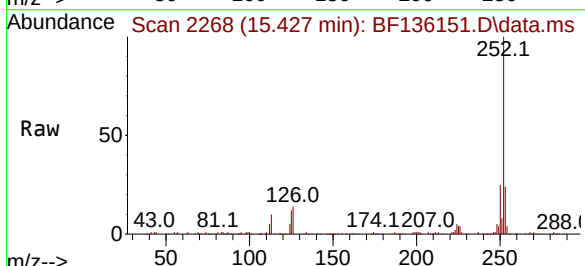
Tgt Ion:252 Resp: 118291

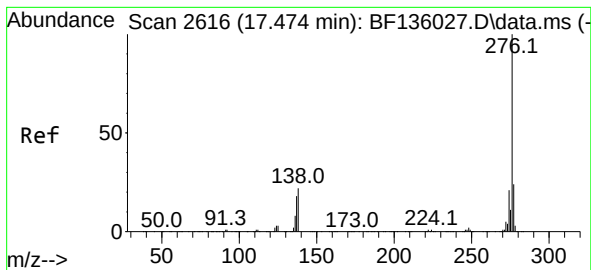
Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

125 12.1 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 6.291 ng

RT: 17.451 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF136151.D

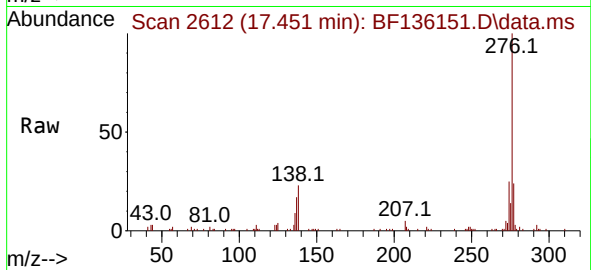
Acq: 06 Nov 2023 13:26

Instrument :

BNA_F

ClientSampleId :

111TH-ST-1



Tgt Ion:276 Resp: 51675

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 22.9 17.4 26.2

