

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
 Data File : BF136035.D
 Acq On : 30 Oct 2023 19:01
 Operator : CG\JU
 Sample : 05027-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 214

Quant Time: Oct 31 01:41:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

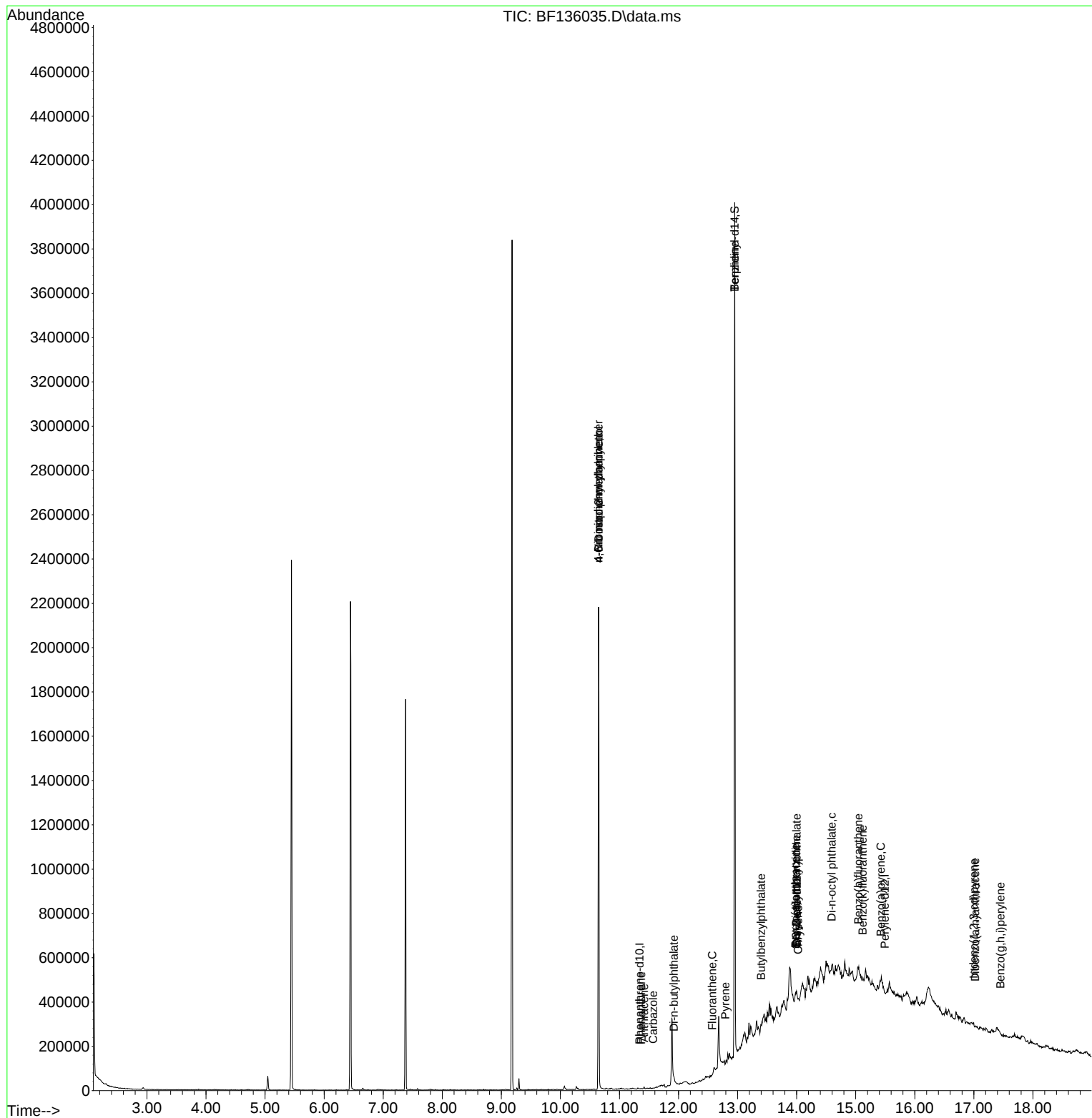
Internal Standards						
1) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ng	-6.83
21) Naphthalene-d8	0.000	136	0	0.000	ng	-8.10
39) Acenaphthene-d10	0.000	164	0	0.000	ng	-9.86
64) Phenanthrene-d10	11.339	188	56	20.000	ng	#-0.02
76) Chrysene-d12	14.004	240	423	20.000	ng	#-0.01
86) Perylene-d12	15.492	264	396	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	653365	0.000	ng	0.00
7) Phenol-d6	6.445	99	816249	0.000	ng	-0.01
23) Nitrobenzene-d5	7.381	82	484397	0.000	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	268892	0.000	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1070575	0.000	ng	0.00
79) Terphenyl-d14	12.951	244	1370483	50349.260	ng	0.00
Target Compounds						Qvalue
65) 4,6-Dinitro-2-methylph...	10.645	198	519	1489.017	ng	# 1
66) n-Nitrosodiphenylamine	10.645	169	7464	4418.370	ng	# 42
67) 4-Bromophenyl-phenylether	10.645	248	17019	28987.266	ng	# 1
71) Phenanthrene	11.369	178	471	167.044	ng	# 60
72) Anthracene	11.416	178	158	54.686	ng	# 60
73) Carbazole	11.569	167	133	52.973	ng	# 60
74) Di-n-butylphthalate	11.922	149	6866	2393.243	ng	# 93
75) Fluoranthene	12.569	202	434	149.830	ng	# 45
77) Benzidine	12.951	184	15842	1921.495	ng	# 94
78) Pyrene	12.792	202	485	13.005	ng	# 15
80) Butylbenzylphthalate	13.398	149	603	45.170	ng	# 94
81) Benzo(a)anthracene	13.980	228	341	12.177	ng	# 24
82) 3,3'-Dichlorobenzidine	13.992	252	382	42.739	ng	# 1
83) Chrysene	14.021	228	196	7.107	ng	# 10
84) Bis(2-ethylhexyl)phtha...	13.998	149	5515	354.599	ng	# 85
85) Di-n-octyl phthalate	14.592	149	605	25.967	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.998	276	192	7.419	ng	# 50
88) Benzo(b)fluoranthene	15.045	252	614	26.203	ng	# 1
89) Benzo(k)fluoranthene	15.116	252	272	11.732	ng	# 1
90) Benzo(a)pyrene	15.421	252	189	8.681	ng	# 1
91) Dibenzo(a,h)anthracene	17.021	278	307	14.481	ng	# 1
92) Benzo(g,h,i)perylene	17.451	276	424	19.402	ng	# 1

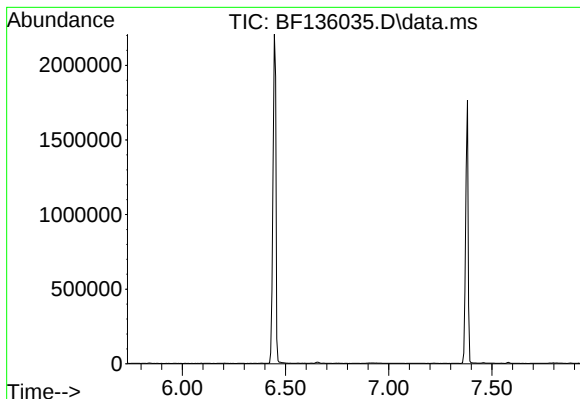
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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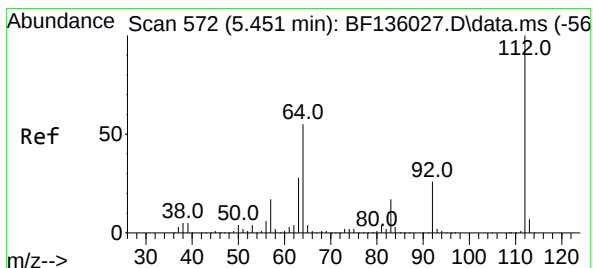
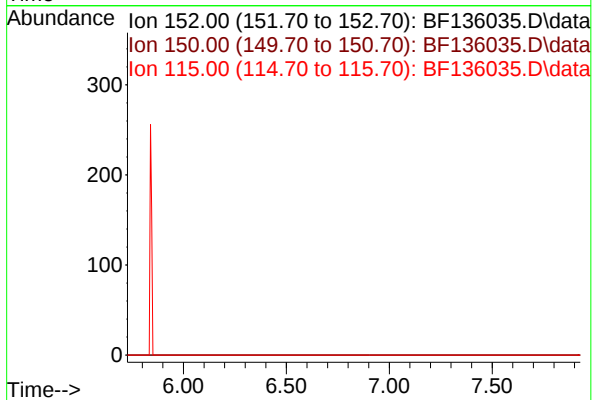


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 6.83 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

Instrument :
 BNA_F
 ClientSampleId :
 214

Tgt Ion: 152

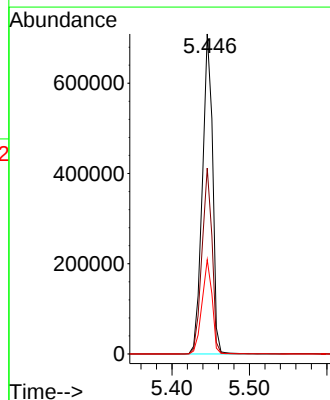
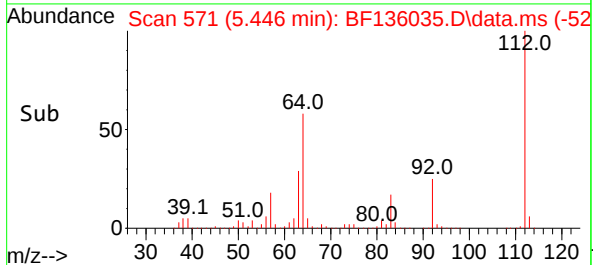
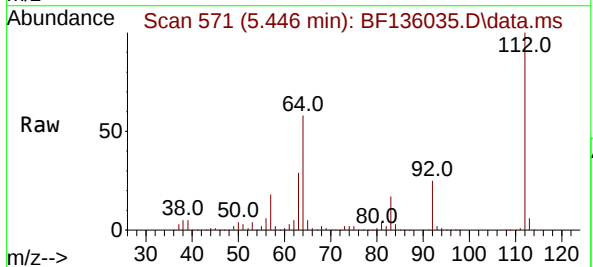
Sig	Exp Ratio
152	100
150	158.0
115	58.7



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.446 min Scan# 571
 Delta R.T. -0.006 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

Tgt Ion: 112 Resp: 653365

Ion	Ratio	Lower	Upper
112	100		
64	58.1	43.9	65.9
63	29.5	22.4	33.6

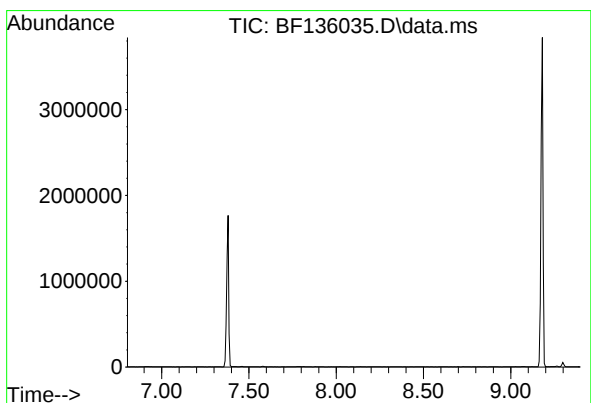
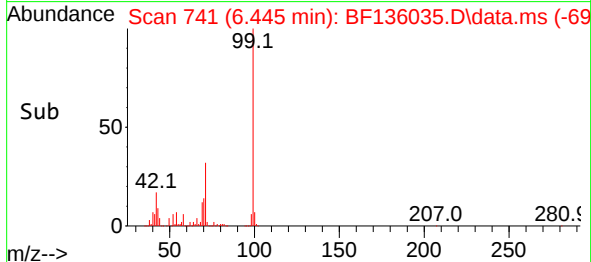
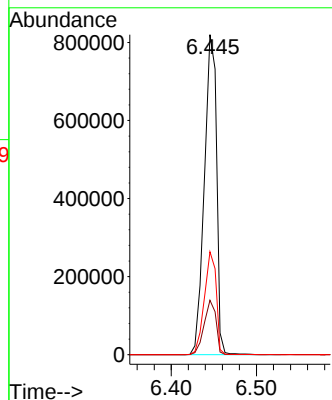
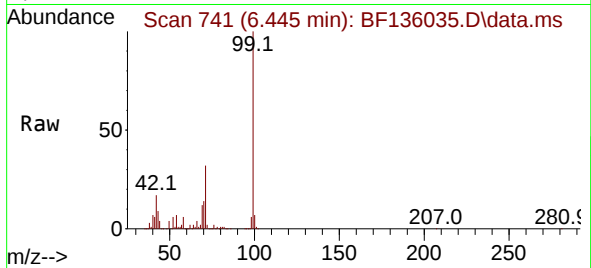




#7
Phenol-d6
Concen: 0.000 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Instrument :
BNA_F
ClientSampleId :
214

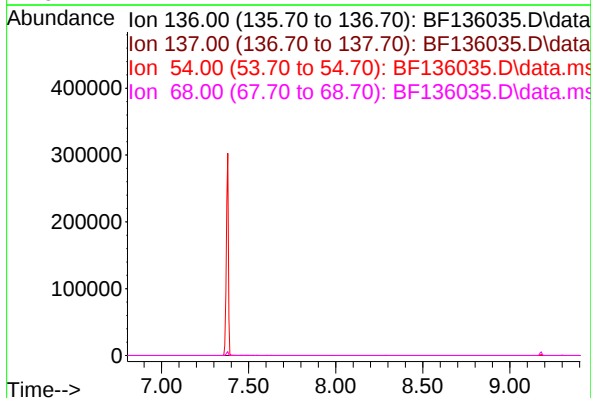
Tgt Ion: 99 Resp: 816249
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 32.1 25.9 38.9



#21
Naphthalene-d8
Concen: 0.000 ng
Expected RT: 8.10 min

Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion: 136
Sig Exp Ratio
136 100
137 10.8
54 8.2
68 6.0





#23

Nitrobenzene-d5

Concen: 0.000 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

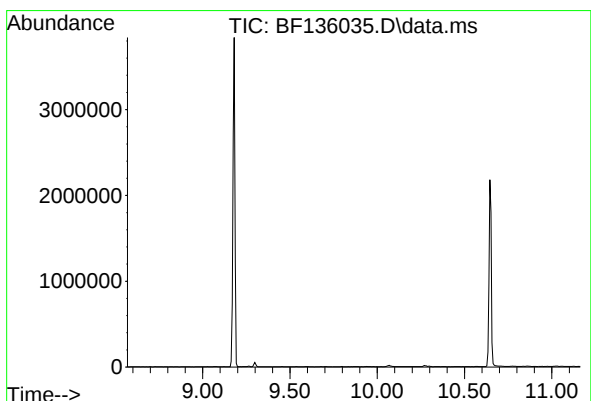
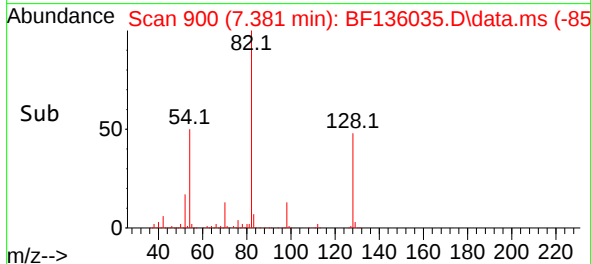
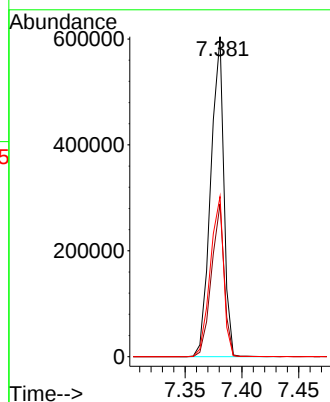
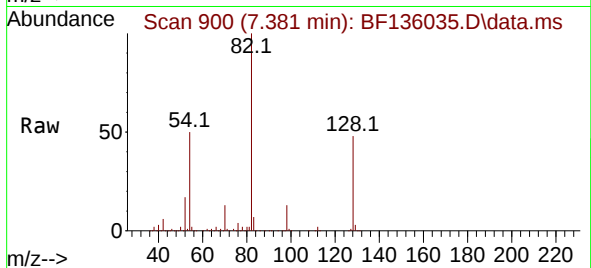
Tgt Ion: 82 Resp: 484397

Ion Ratio Lower Upper

82 100

128 47.8 38.6 57.8

54 50.1 40.8 61.2



#39

Acenaphthene-d10

Concen: 0.000 ng

Expected RT: 9.86 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

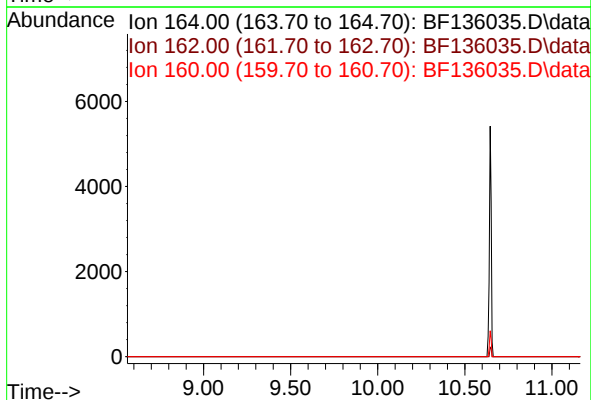
Tgt Ion: 164

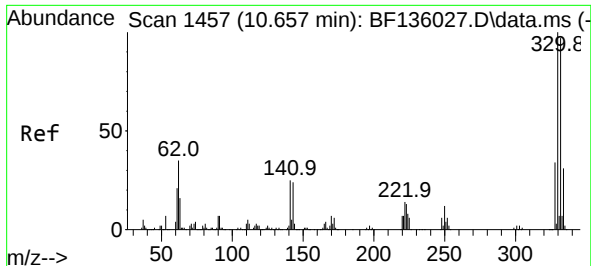
Sig Exp Ratio

164 100

162 100.1

160 43.5





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

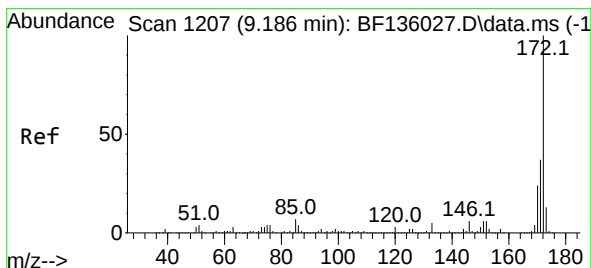
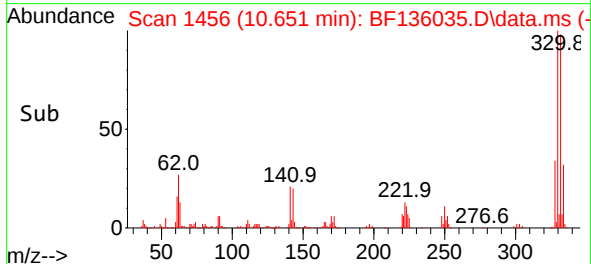
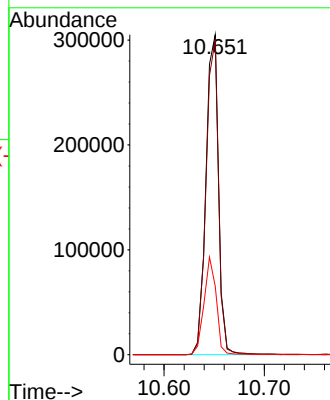
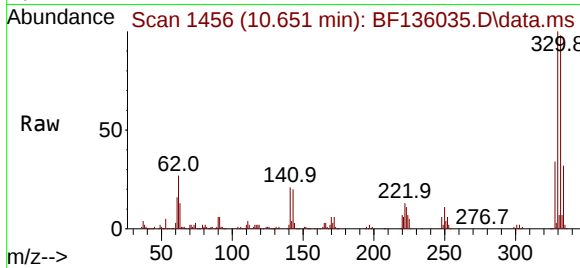
Tgt Ion:330 Resp: 268892

Ion Ratio Lower Upper

330 100

332 97.4 76.9 115.3

141 29.6 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 0.000 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

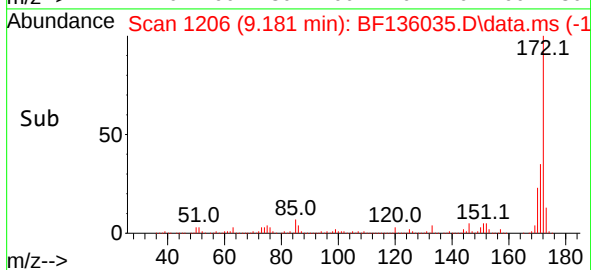
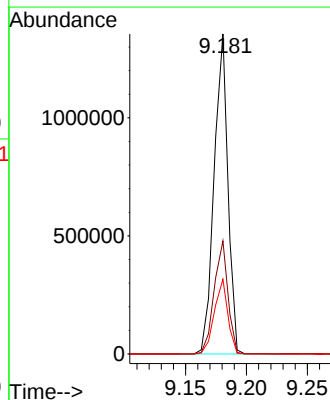
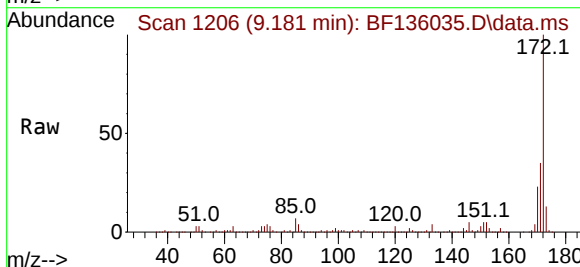
Tgt Ion:172 Resp: 1070575

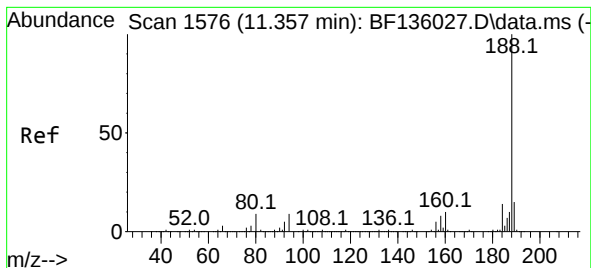
Ion Ratio Lower Upper

172 100

171 35.3 29.4 44.0

170 23.3 19.3 28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

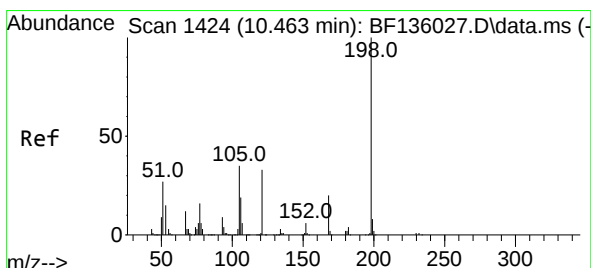
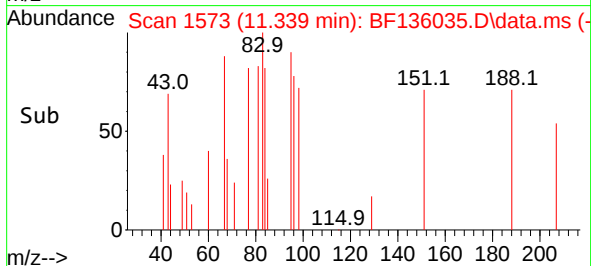
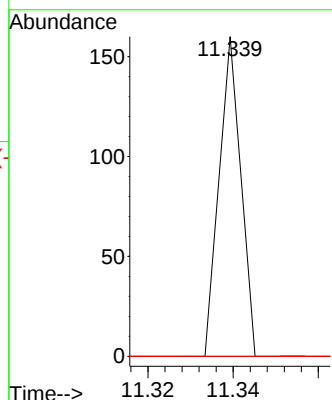
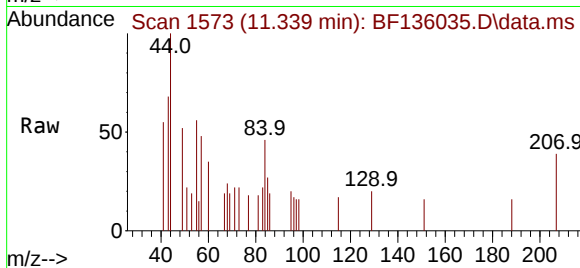
Tgt Ion:188 Resp: 56

Ion Ratio Lower Upper

188 100

94 0.0 7.2 10.8#

80 0.0 7.4 11.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 1489.017 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

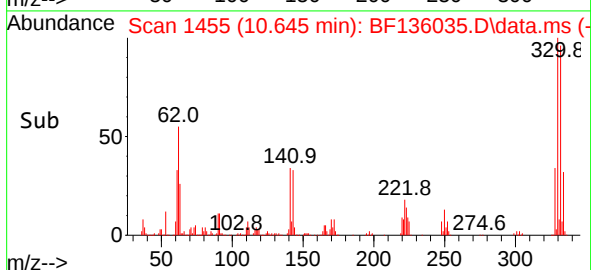
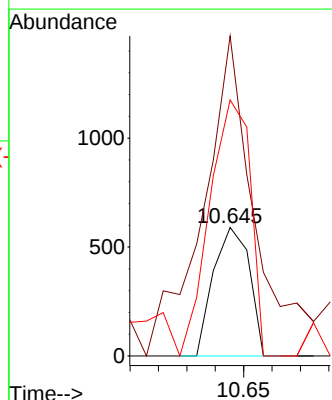
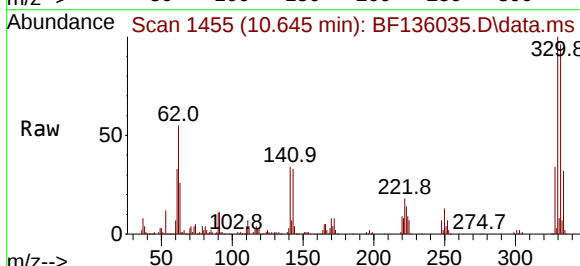
Tgt Ion:198 Resp: 519

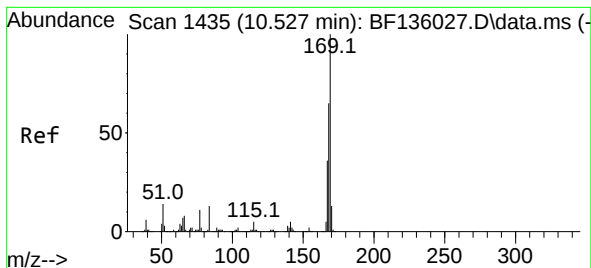
Ion Ratio Lower Upper

198 100

51 249.0 12.9 52.9#

105 199.2 16.0 56.0#

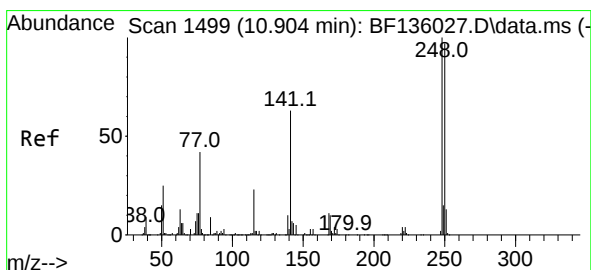
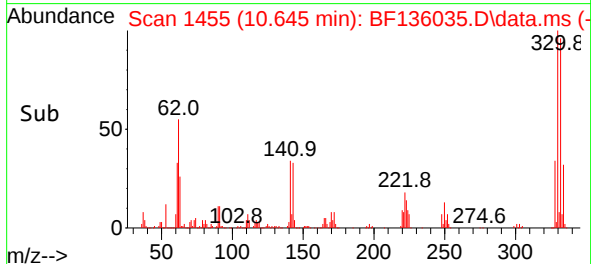
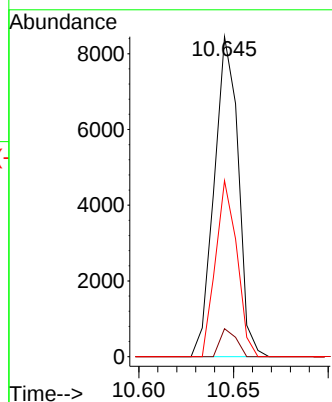
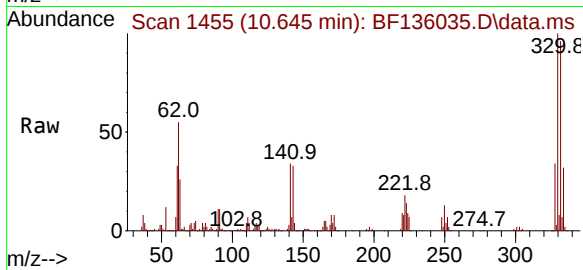




#66
n-Nitrosodiphenylamine
Concen: 4418.370 ng
RT: 10.645 min Scan# 1435
Delta R.T. 0.118 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

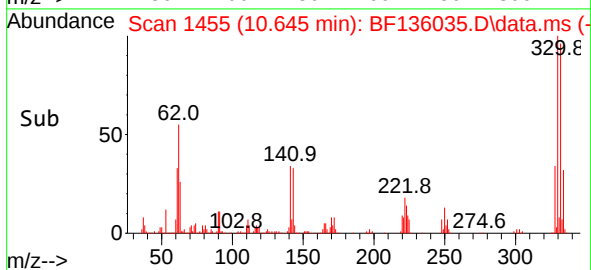
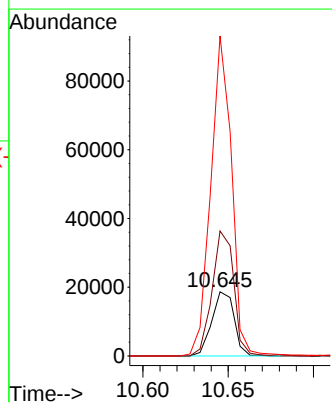
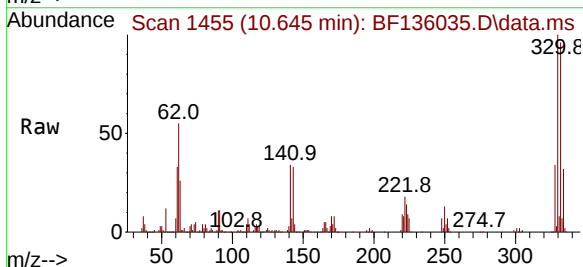
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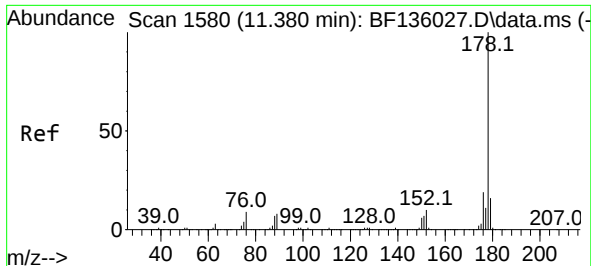
Tgt Ion:169 Resp: 7464
Ion Ratio Lower Upper
169 100
168 8.8 52.2 78.2#
167 55.0 28.7 43.1#



#67
4-Bromophenyl-phenylether
Concen: 28987.266 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.259 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:248 Resp: 17019
Ion Ratio Lower Upper
248 100
250 194.6 77.6 116.4#
141 498.4 50.4 75.6#

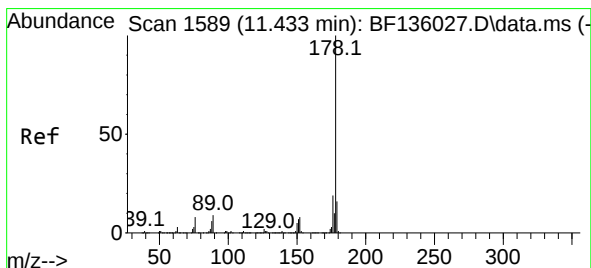
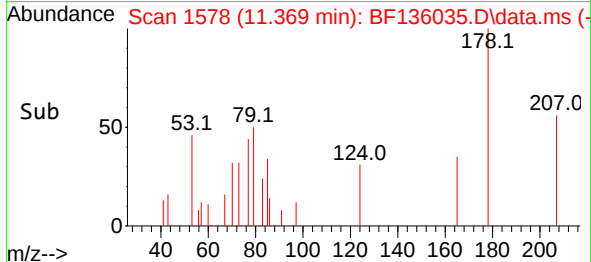
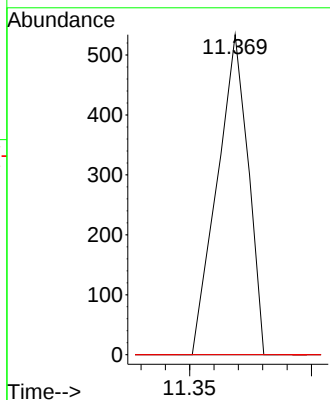
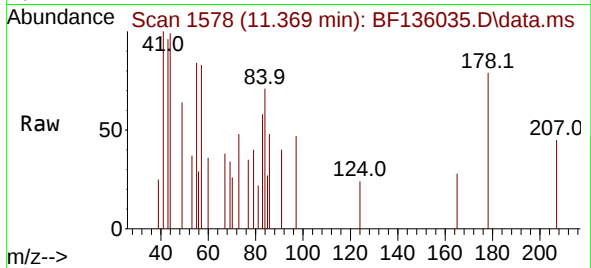




#71
Phenanthrene
Concen: 167.044 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

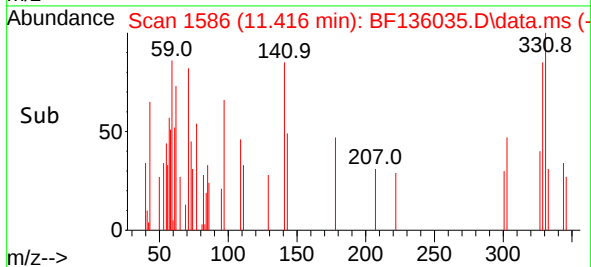
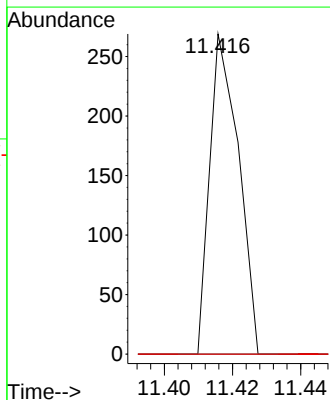
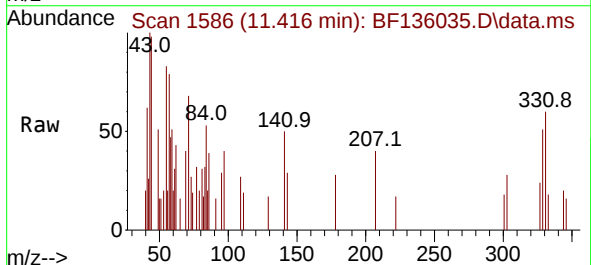
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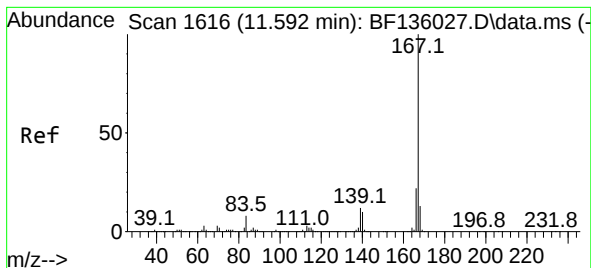
Tgt Ion:178 Resp: 471
Ion Ratio Lower Upper
178 100
176 0.0 15.5 23.3#
179 0.0 12.9 19.3#



#72
Anthracene
Concen: 54.686 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.017 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:178 Resp: 158
Ion Ratio Lower Upper
178 100
176 0.0 15.0 22.4#
179 0.0 12.6 18.8#





#73

Carbazole

Concen: 52.973 ng

RT: 11.569 min Scan# 1

Delta R.T. -0.023 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

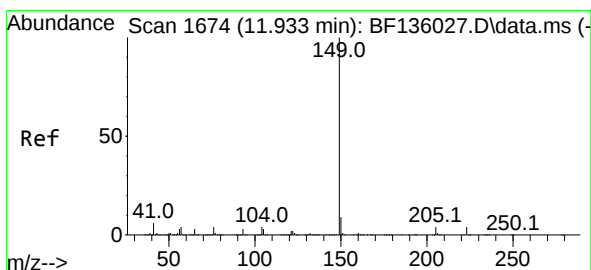
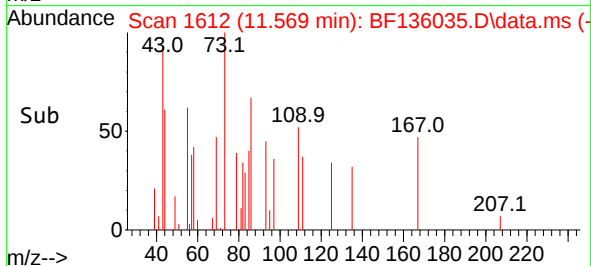
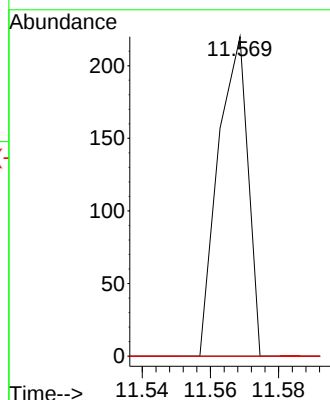
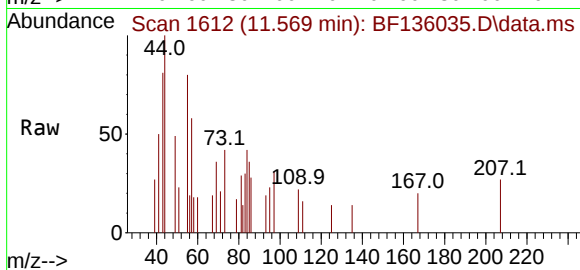
Tgt Ion:167 Resp: 133

Ion Ratio Lower Upper

167 100

166 0.0 17.2 25.8#

139 0.0 9.9 14.9#



#74

Di-n-butylphthalate

Concen: 2393.243 ng

RT: 11.922 min Scan# 1672

Delta R.T. -0.012 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

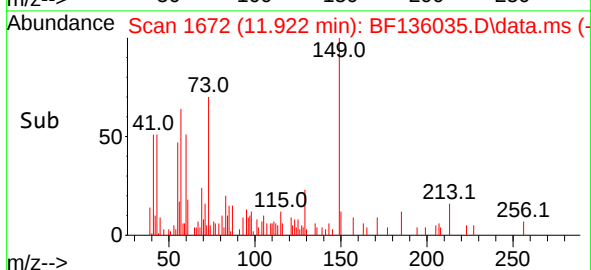
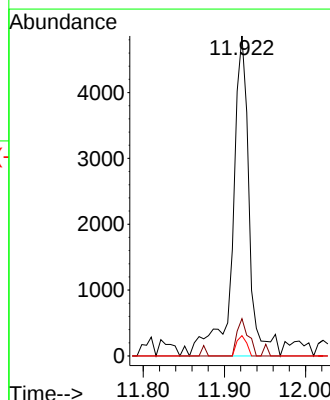
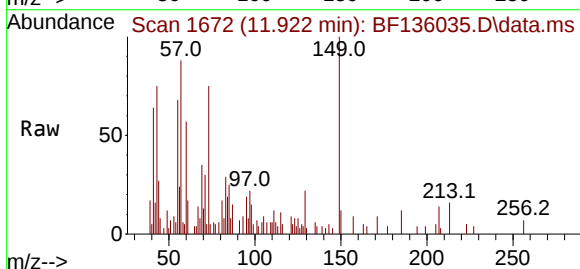
Tgt Ion:149 Resp: 6866

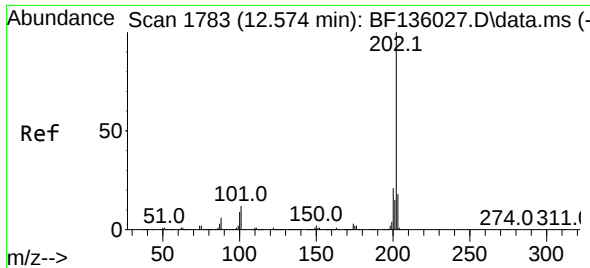
Ion Ratio Lower Upper

149 100

150 11.6 7.3 10.9#

104 6.4 3.6 5.4#

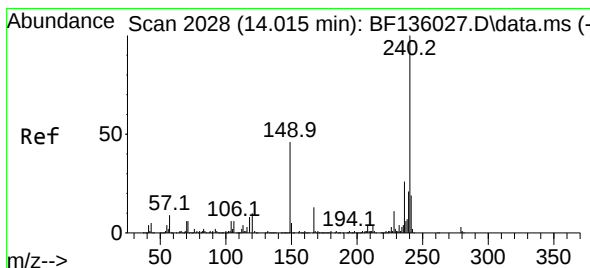
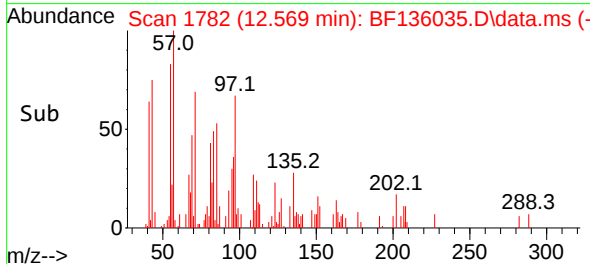
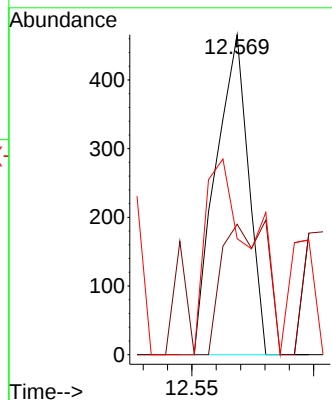
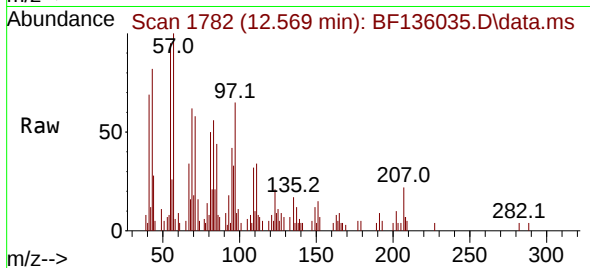




#75
Fluoranthene
Concen: 149.830 ng
RT: 12.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

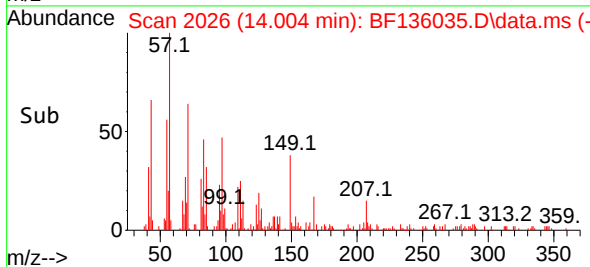
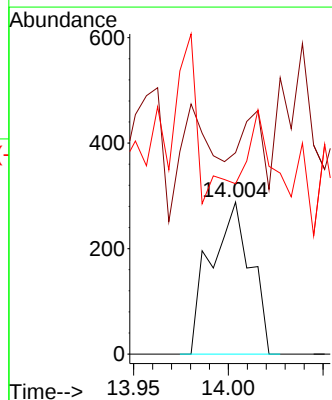
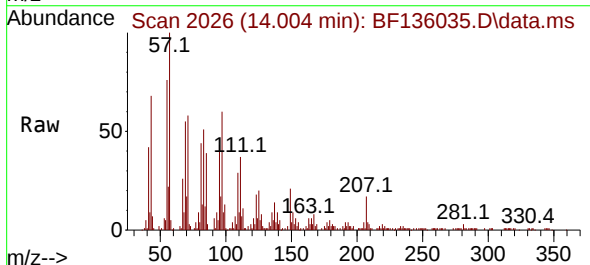
Instrument :
BNA_F
ClientSampleId :
214

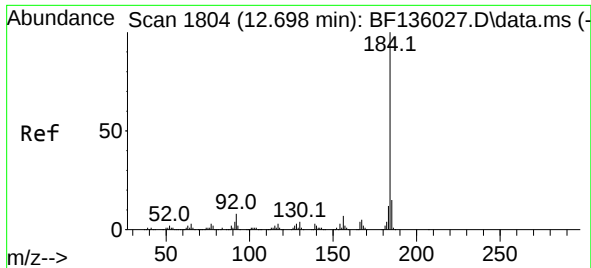
Tgt Ion:	202	Resp:	434
Ion Ratio	Lower	Upper	
202	100		
101	40.8	0.0	31.8#
203	36.3	0.0	37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:	240	Resp:	423
Ion Ratio	Lower	Upper	
240	100		
120	132.6	7.6	11.4#
236	112.2	20.6	31.0#

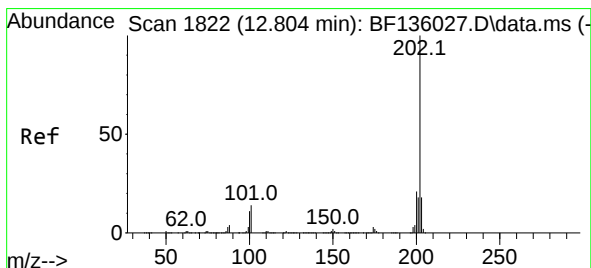
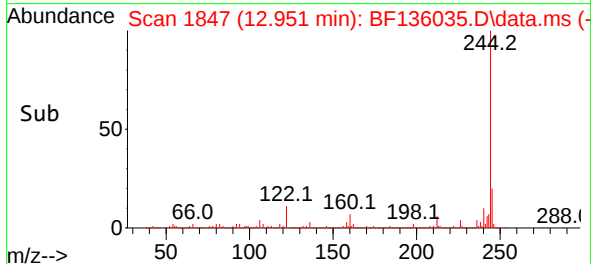
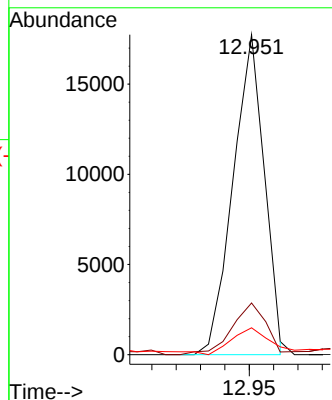
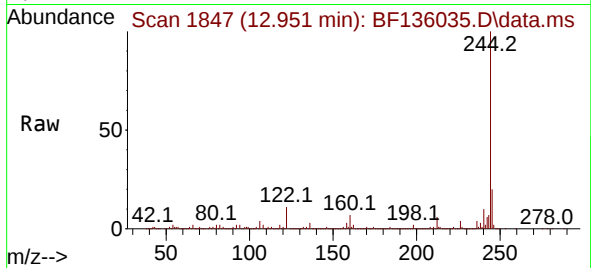




#77
Benzidine
Concen: 1921.495 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

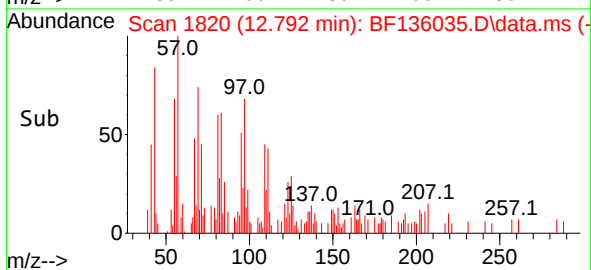
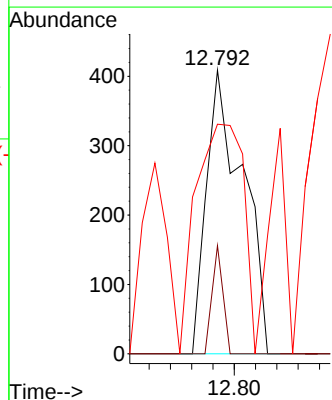
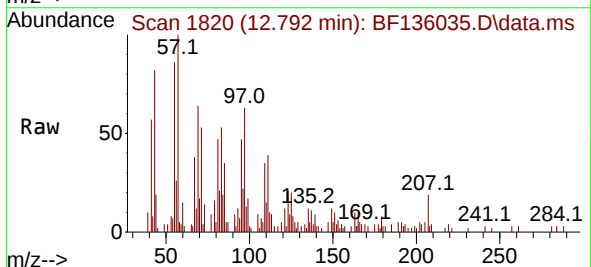
Instrument :
BNA_F
ClientSampleId :
214

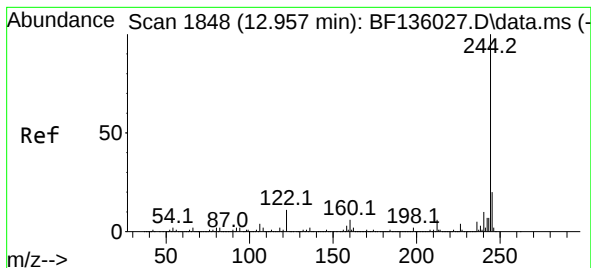
Tgt Ion:184 Resp: 15842
Ion Ratio Lower Upper
184 100
185 16.2 11.8 17.8
183 8.4 9.5 14.3#



#78
Pyrene
Concen: 13.005 ng
RT: 12.792 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:202 Resp: 485
Ion Ratio Lower Upper
202 100
200 38.1 17.0 25.4#
203 80.9 14.4 21.6#





#79

Terphenyl-d14

Concen: 50349.260 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

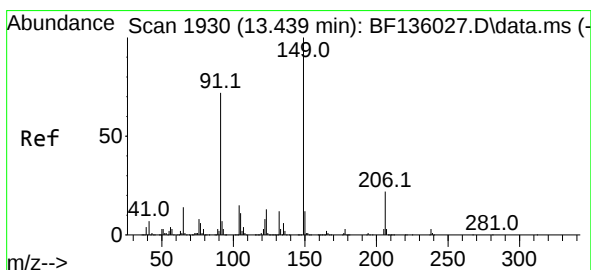
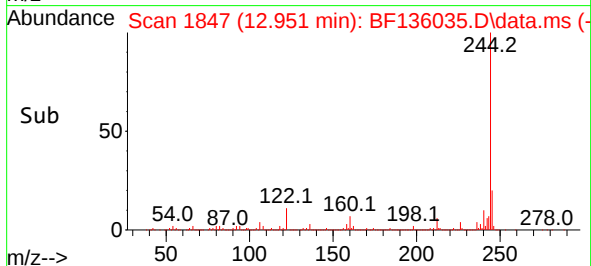
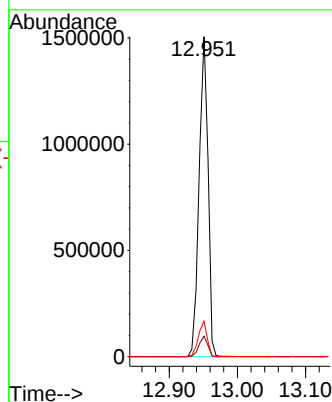
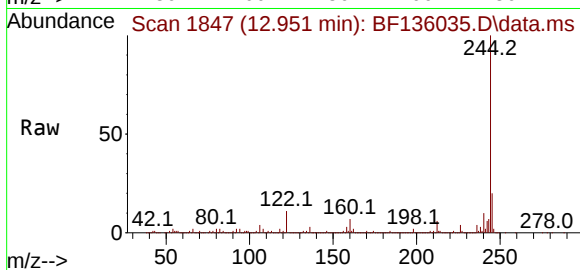
Tgt Ion:244 Resp: 1370483

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 11.1 8.6 12.8



#80

Butylbenzylphthalate

Concen: 45.170 ng

RT: 13.398 min Scan# 1923

Delta R.T. -0.041 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

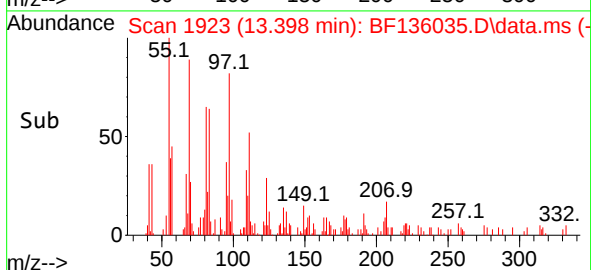
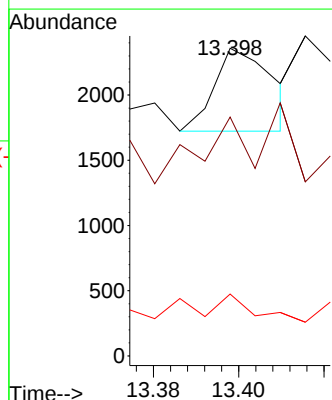
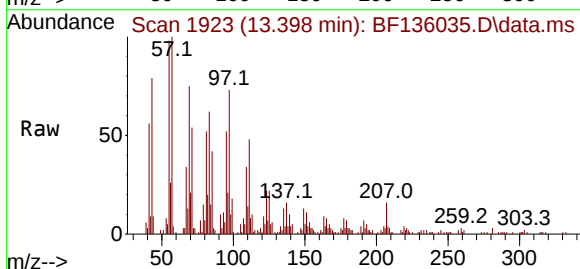
Tgt Ion:149 Resp: 603

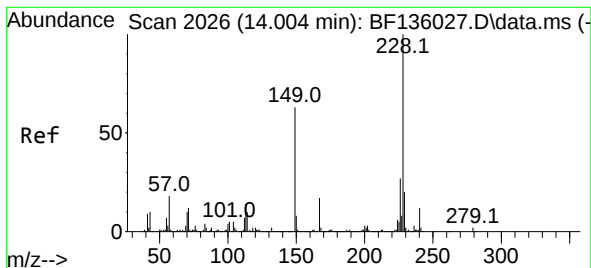
Ion Ratio Lower Upper

149 100

91 77.6 57.6 86.4

206 20.1 17.4 26.0





#81

Benzo(a)anthracene

Concen: 12.177 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

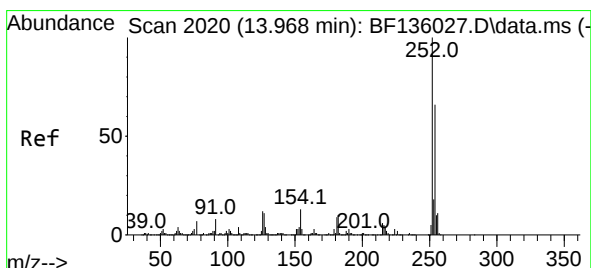
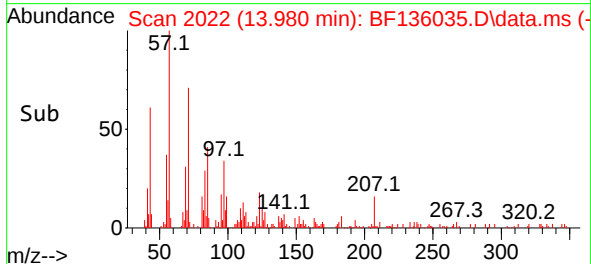
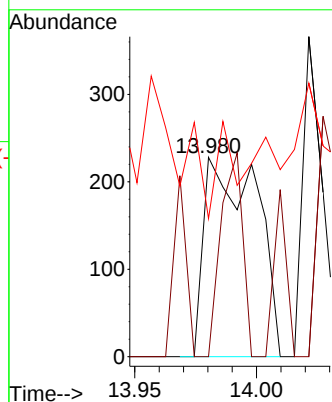
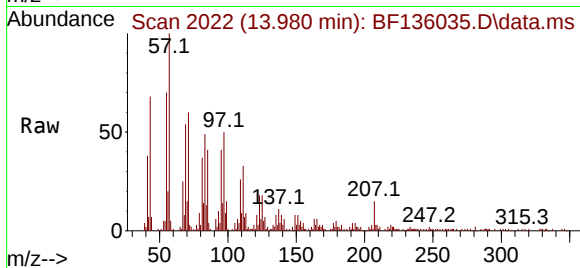
Tgt Ion:228 Resp: 341

Ion Ratio Lower Upper

228 100

226 0.0 21.5 32.3#

229 69.3 15.8 23.6#



#82

3,3'-Dichlorobenzidine

Concen: 42.739 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.024 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

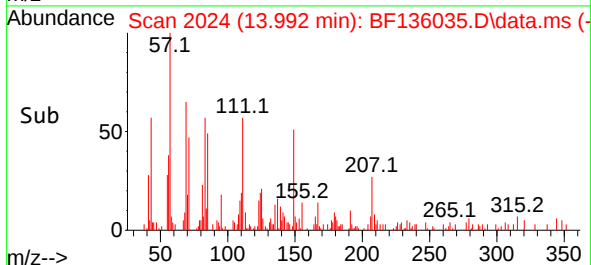
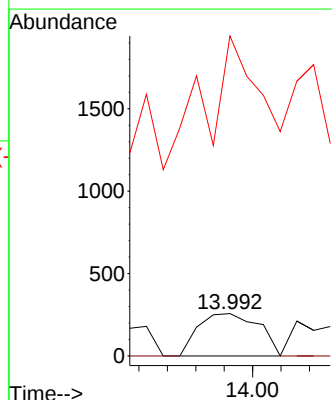
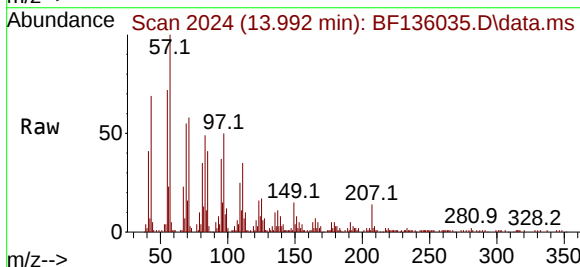
Tgt Ion:252 Resp: 382

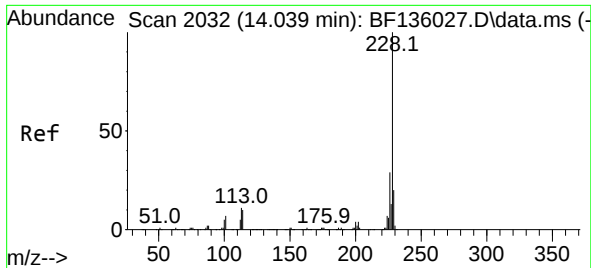
Ion Ratio Lower Upper

252 100

254 0.0 52.5 78.7#

126 752.7 9.4 14.2#

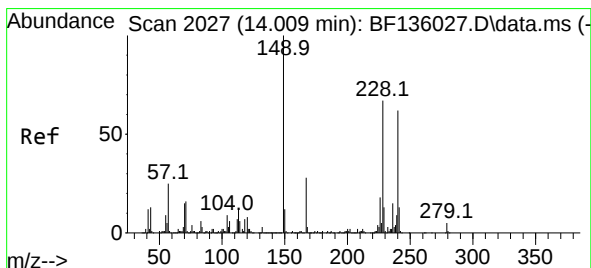
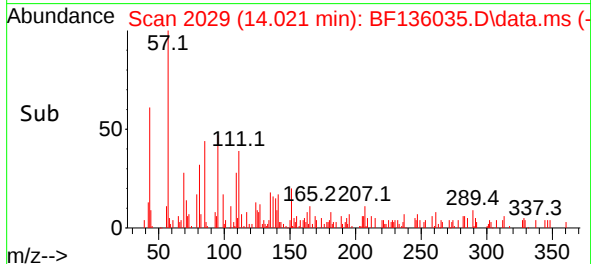
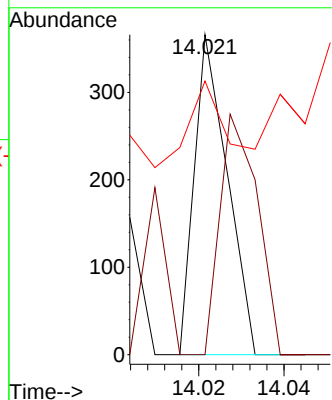
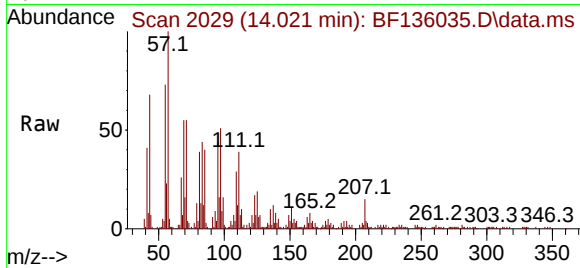




#83
Chrysene
Concen: 7.107 ng
RT: 14.021 min Scan# 2032
Delta R.T. -0.017 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

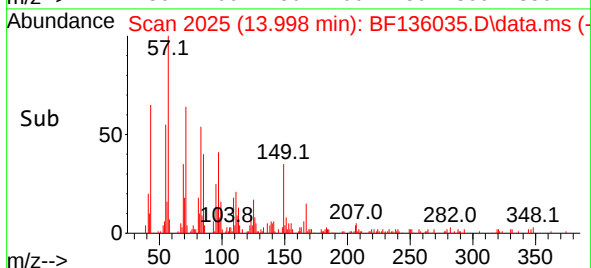
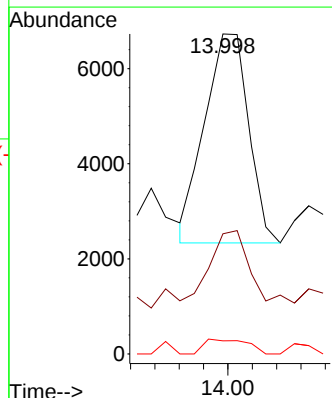
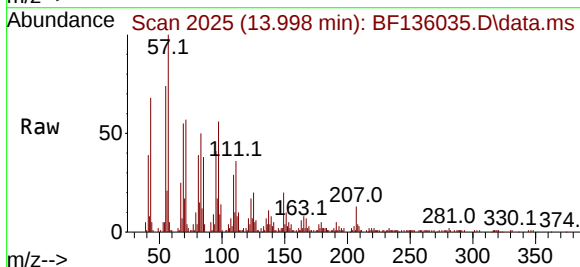
Instrument :
BNA_F
ClientSampleId :
214

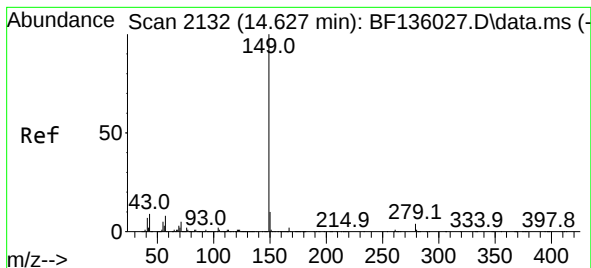
Tgt Ion:228	Resp:	196
Ion Ratio	Lower	Upper
228	100	
226	0.0	23.5 35.3#
229	85.5	16.0 24.0#



#84
Bis(2-ethylhexyl)phthalate
Concen: 354.599 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF136035.D
Acq: 30 Oct 2023 19:01

Tgt Ion:149	Resp:	5515
Ion Ratio	Lower	Upper
149	100	
167	37.6	22.6 33.8#
279	4.1	4.1 6.1





#85

Di-n-octyl phthalate

Concen: 25.967 ng

RT: 14.592 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

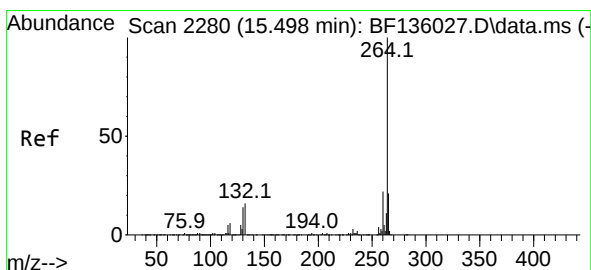
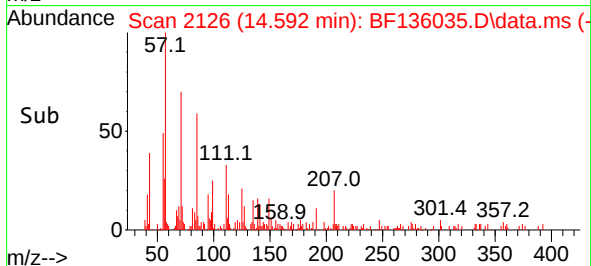
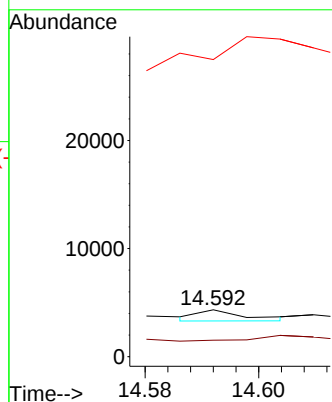
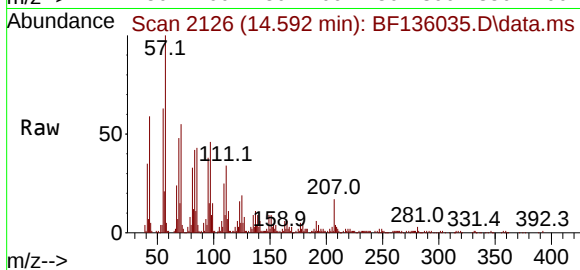
BNA_F

ClientSampleId :

214

Tgt Ion:149 Resp: 605

Ion	Ratio	Lower	Upper
149	100		
167	131.1	1.3	1.9#
43	2025.8	7.6	11.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

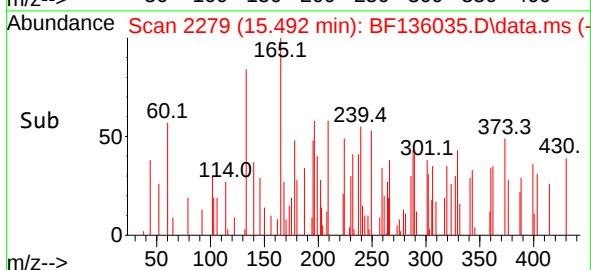
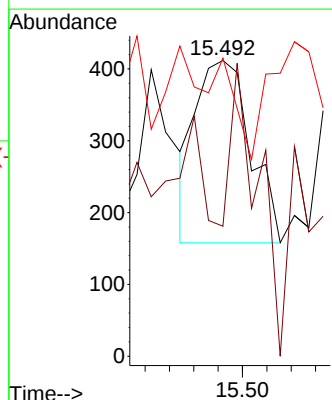
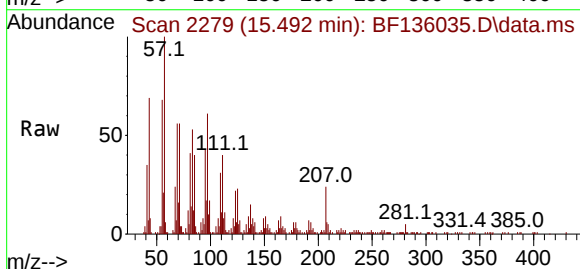
Delta R.T. -0.006 min

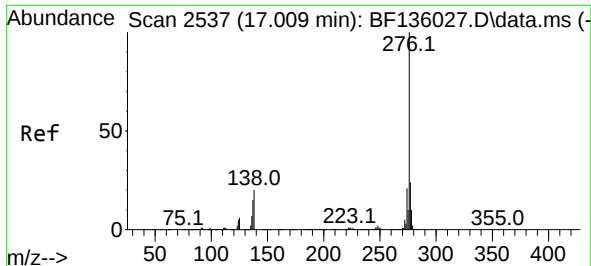
Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Tgt Ion:264 Resp: 396

Ion	Ratio	Lower	Upper
264	100		
260	43.9	17.9	26.9#
265	100.7	16.8	25.2#

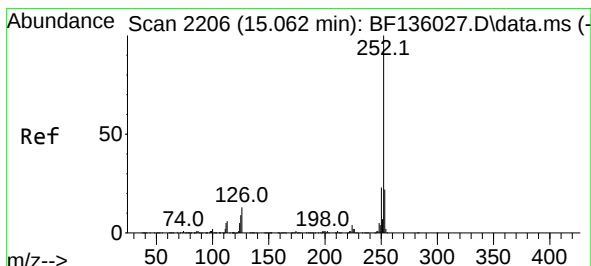
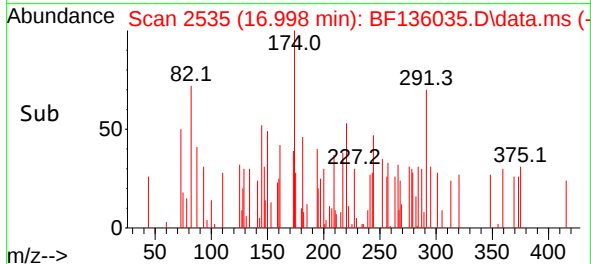
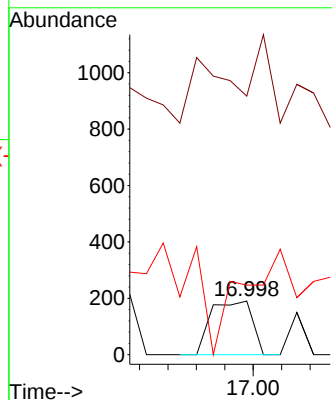
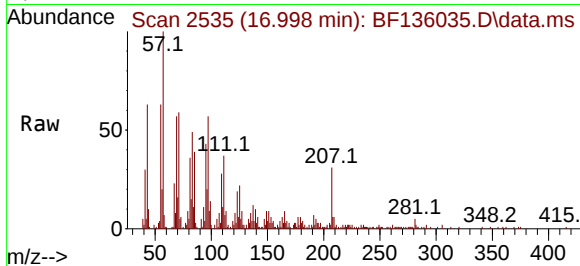




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.419 ng
 RT: 16.998 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

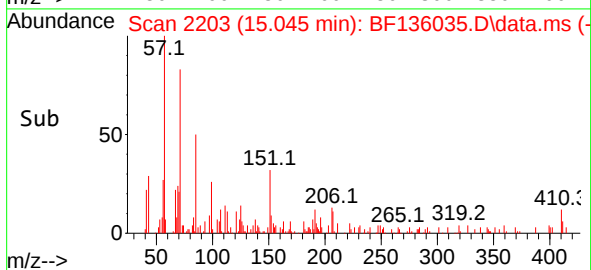
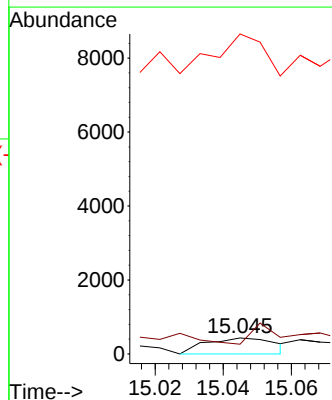
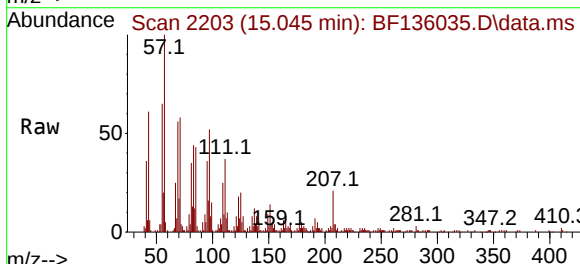
Instrument :
 BNA_F
 ClientSampleId :
 214

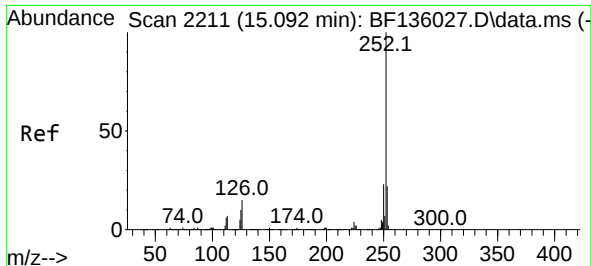
Tgt Ion:276 Resp: 192
 Ion Ratio Lower Upper
 276 100
 138 0.0 20.4 30.6#
 277 0.0 20.2 30.2#



#88
 Benzo(b)fluoranthene
 Concen: 26.203 ng
 RT: 15.045 min Scan# 2203
 Delta R.T. -0.017 min
 Lab File: BF136035.D
 Acq: 30 Oct 2023 19:01

Tgt Ion:252 Resp: 614
 Ion Ratio Lower Upper
 252 100
 253 60.8 17.7 26.5#
 125 2007.7 7.5 11.3#





#89

Benzo(k)fluoranthene

Concen: 11.732 ng

RT: 15.116 min Scan# 214

Delta R.T. 0.024 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

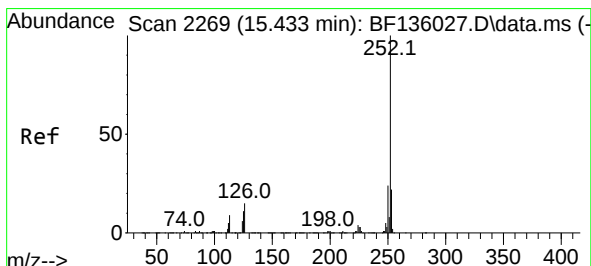
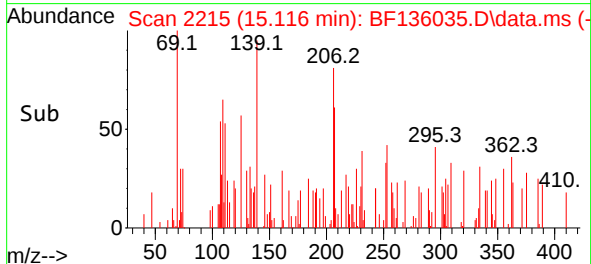
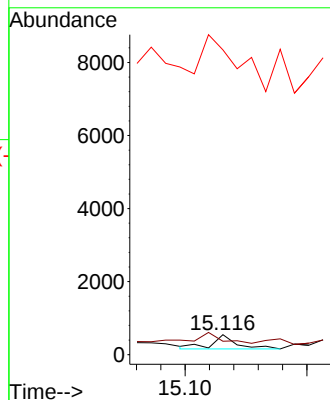
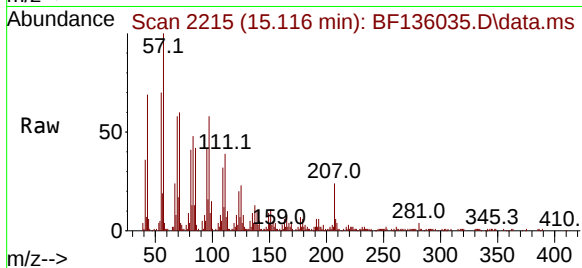
Tgt Ion:252 Resp: 272

Ion Ratio Lower Upper

252 100

253 66.7 17.4 26.0#

125 1519.9 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 8.681 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

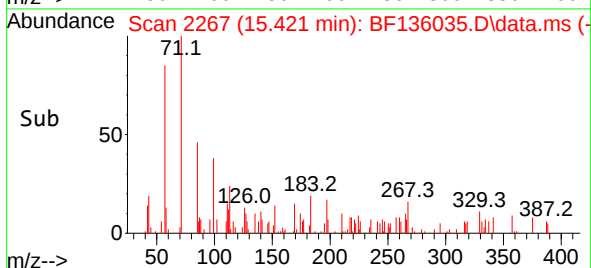
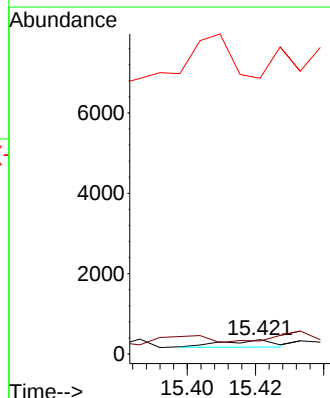
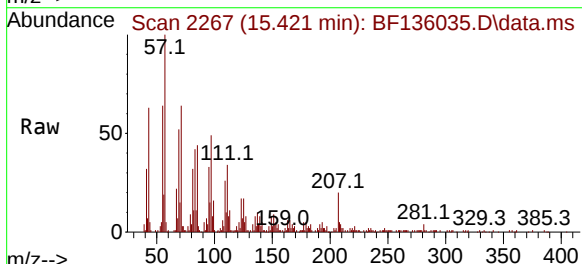
Tgt Ion:252 Resp: 189

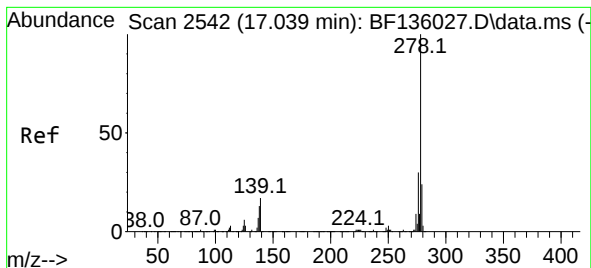
Ion Ratio Lower Upper

252 100

253 89.7 17.3 25.9#

125 1912.0 9.0 13.6#





#91

Dibenzo(a,h)anthracene

Concen: 14.481 ng

RT: 17.021 min Scan# 214

Delta R.T. -0.017 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Instrument :

BNA_F

ClientSampleId :

214

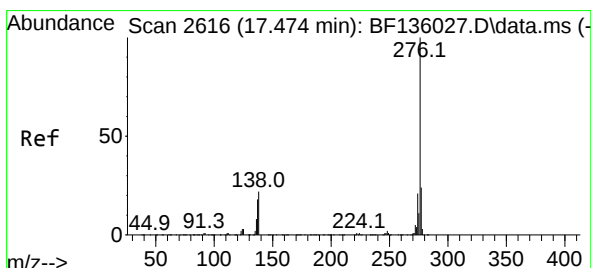
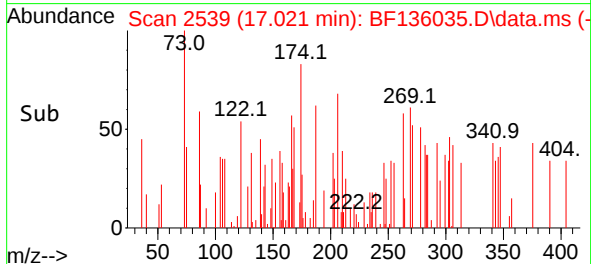
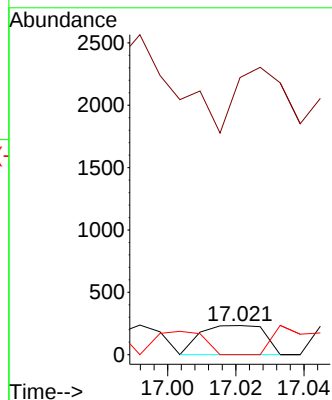
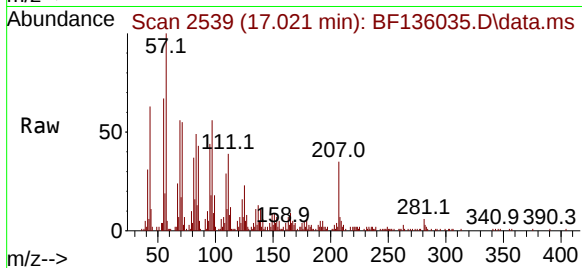
Tgt Ion:278 Resp: 307

Ion Ratio Lower Upper

278 100

139 953.6 13.7 20.5#

279 0.0 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 19.402 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.023 min

Lab File: BF136035.D

Acq: 30 Oct 2023 19:01

Tgt Ion:276 Resp: 424

Ion Ratio Lower Upper

276 100

277 91.3 19.0 28.4#

138 282.1 17.4 26.2#

