

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135836.D
 Acq On : 18 Oct 2023 03:38
 Operator : CG\JU
 Sample : 04703-05
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003RE

Quant Time: Oct 18 05:06:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

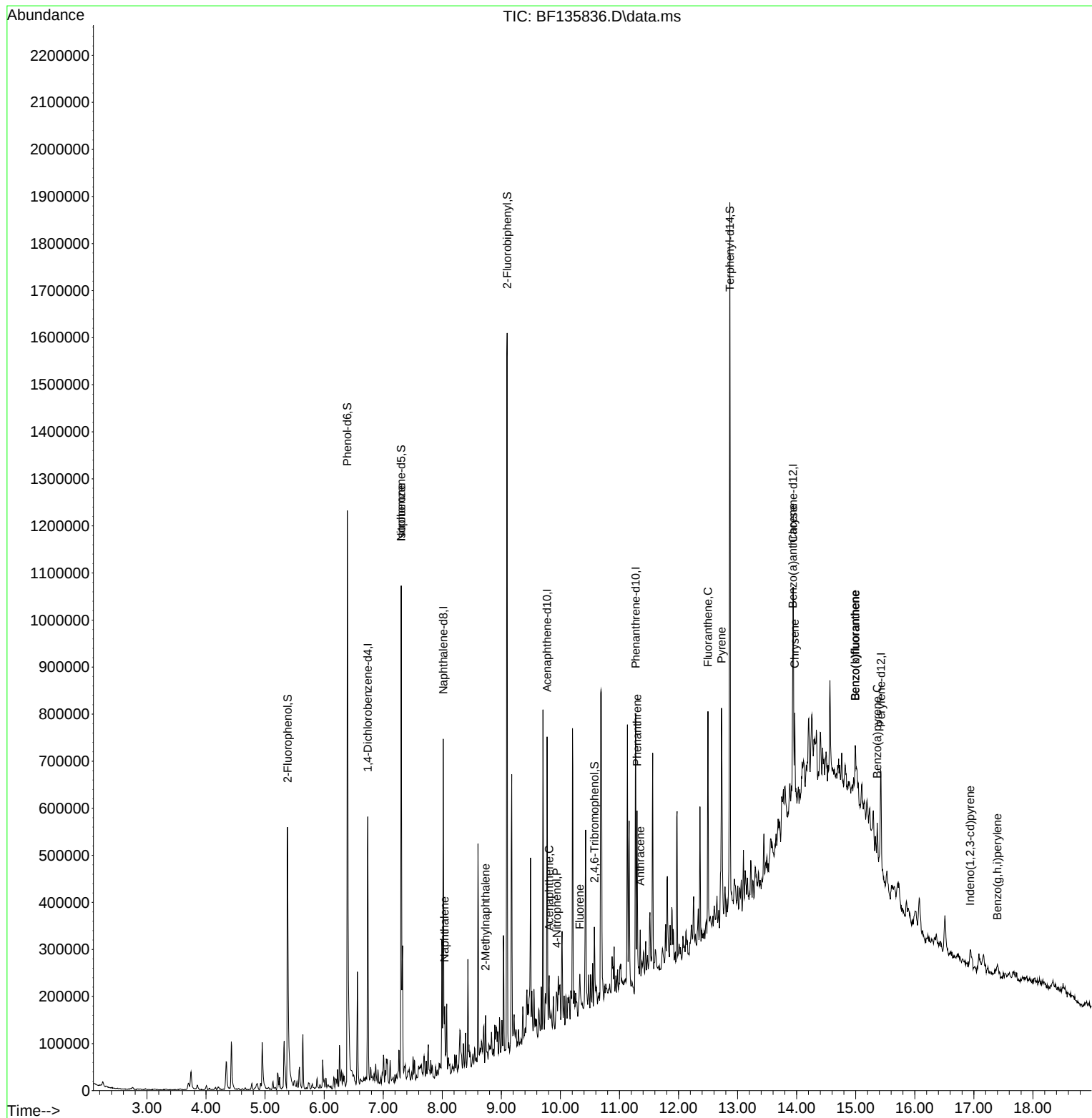
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	81979	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	281367	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	112837	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	200190	20.000	ng	0.00
76) Chrysene-d12	13.939	240	147081	20.000	ng	#-0.01
86) Perylene-d12	15.427	264	107654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	215176	42.200	ng	0.00
7) Phenol-d6	6.393	99	450170	70.758	ng	0.00
23) Nitrobenzene-d5	7.304	82	293869	57.443	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	19588	18.091	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	483455	66.989	ng	0.00
79) Terphenyl-d14	12.869	244	501391	63.131	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	291769	30.231	ng	# 66
31) Naphthalene	8.040	128	45339	3.304	ng	100
37) 2-Methylnaphthalene	8.734	142	22876	2.530	ng	98
52) Acenaphthene	9.810	154	14925	2.415	ng	97
56) 4-Nitrophenol	9.939	139	363	5.860	ng	# 1
58) Fluorene	10.328	166	14956	2.049	ng	# 92
71) Phenanthrene	11.298	178	128918	13.443	ng	99
72) Anthracene	11.351	178	36222	3.645	ng	97
75) Fluoranthene	12.498	202	180420	16.951	ng	97
78) Pyrene	12.727	202	178598	15.281	ng	98
81) Benzo(a)anthracene	13.933	228	77799	8.053	ng	98
83) Chrysene	13.969	228	71413	7.632	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	22679	3.866	ng	# 93
88) Benzo(b)fluoranthene	14.992	252	89084	14.786	ng	# 85
89) Benzo(k)fluoranthene	14.992	252	89084	15.230	ng	# 84
90) Benzo(a)pyrene	15.363	252	42691	7.535	ng	# 88
92) Benzo(g,h,i)perylene	17.398	276	25441	5.151	ng	# 92

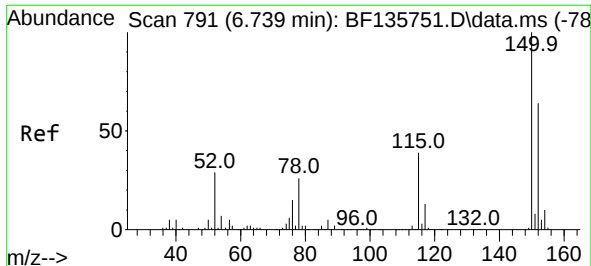
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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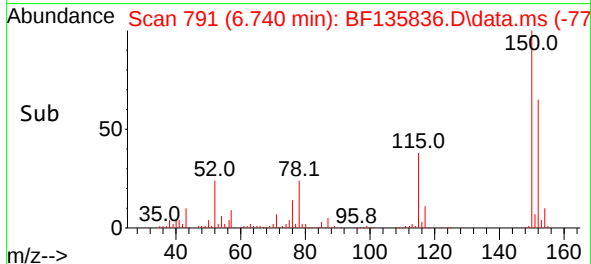
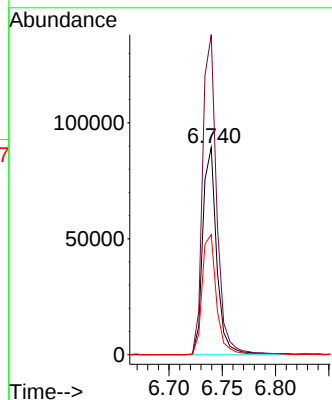
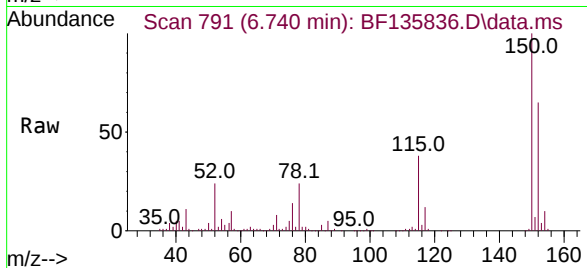




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

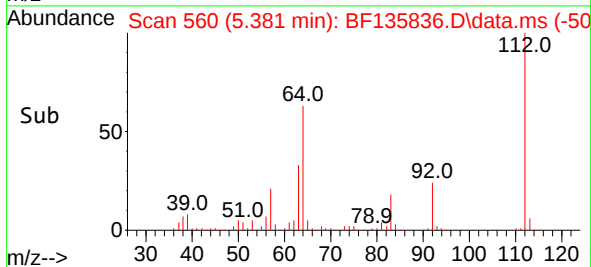
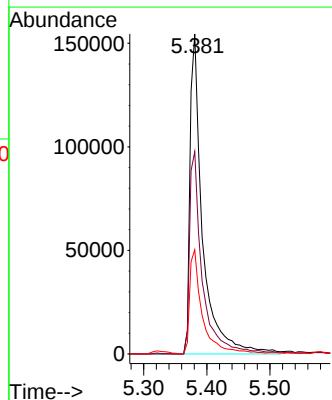
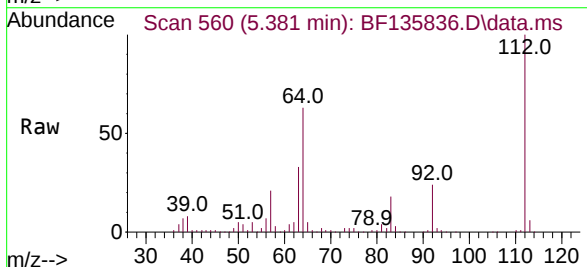
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE

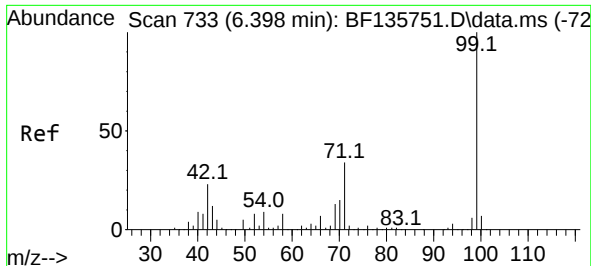
Tgt Ion:152 Resp: 81979
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 58.0 49.0 73.4



#5
2-Fluorophenol
Concen: 42.200 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

Tgt Ion:112 Resp: 215176
Ion Ratio Lower Upper
112 100
64 63.3 51.2 76.8
63 32.6 26.1 39.1

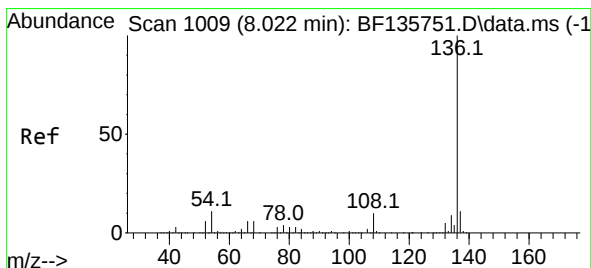
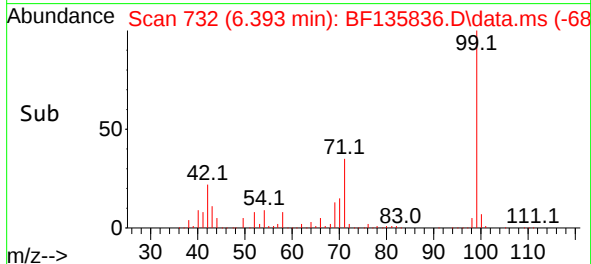
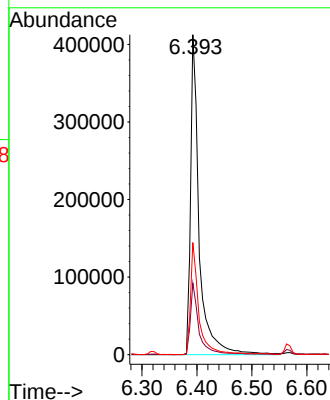
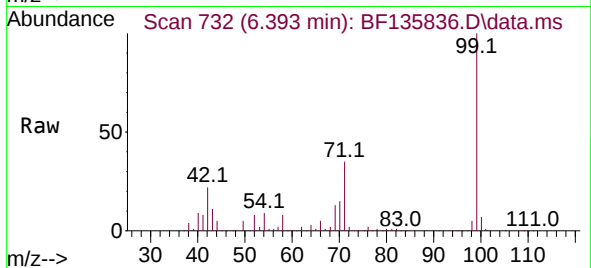




#7
Phenol-d6
Concen: 70.758 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

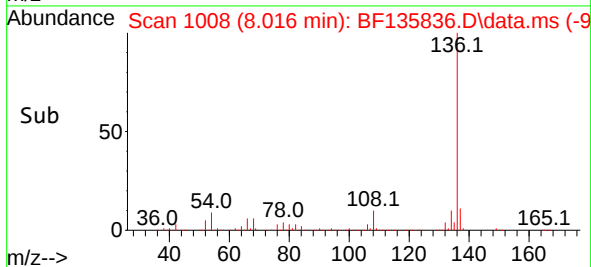
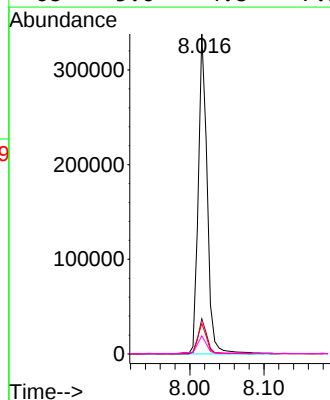
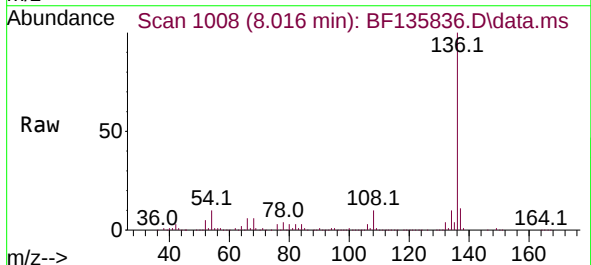
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE

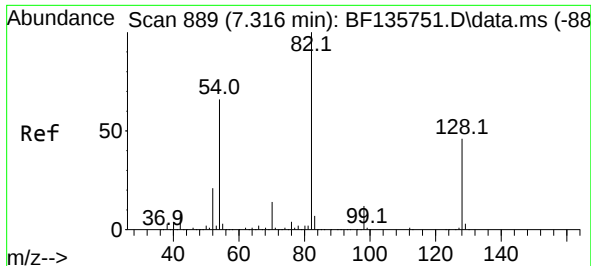
Tgt Ion: 99 Resp: 450170
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 35.0 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

Tgt Ion:136 Resp: 281367
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.5 8.5 12.7
68 5.6 4.8 7.2





#23

Nitrobenzene-d5

Concen: 57.443 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

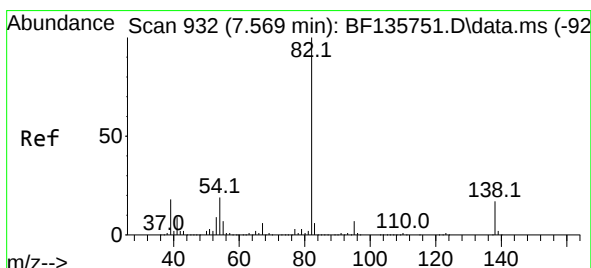
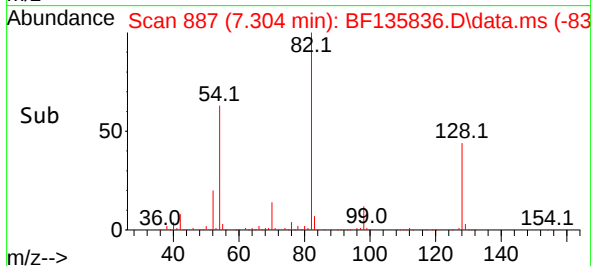
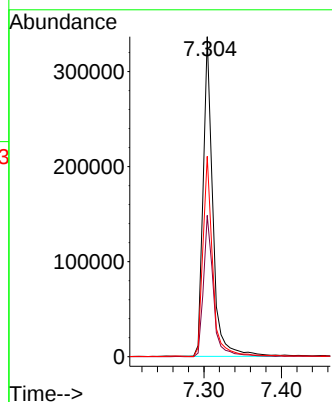
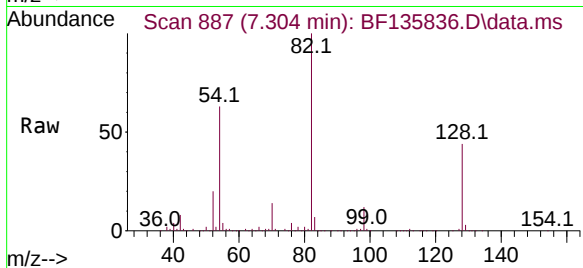
Tgt Ion: 82 Resp: 293869

Ion Ratio Lower Upper

82 100

128 44.2 37.0 55.6

54 62.6 52.8 79.2



#25

Isophorone

Concen: 30.231 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.265 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

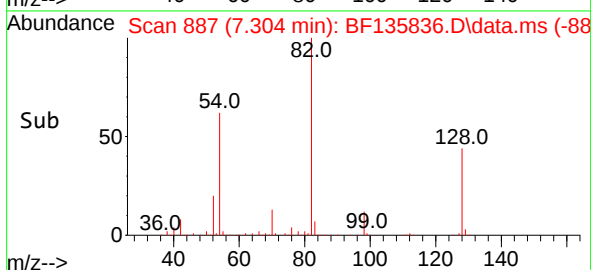
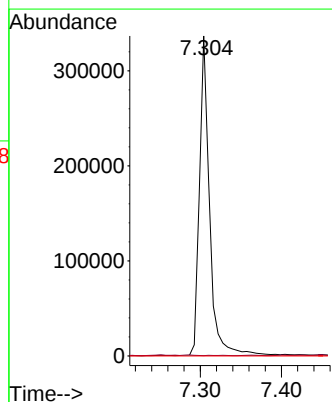
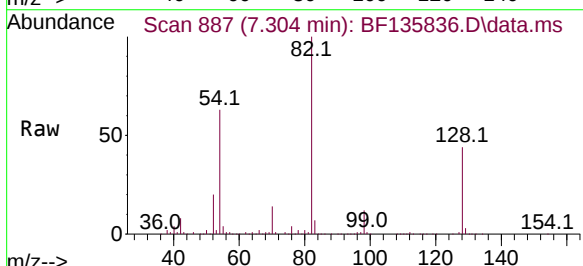
Tgt Ion: 82 Resp: 291769

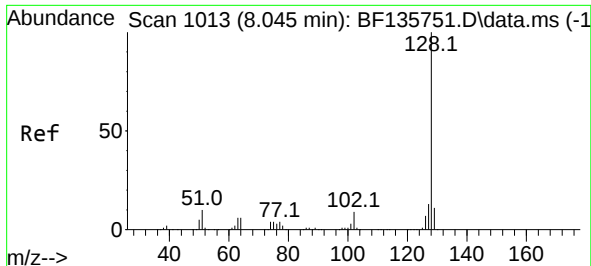
Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

138 0.0 13.9 20.9#

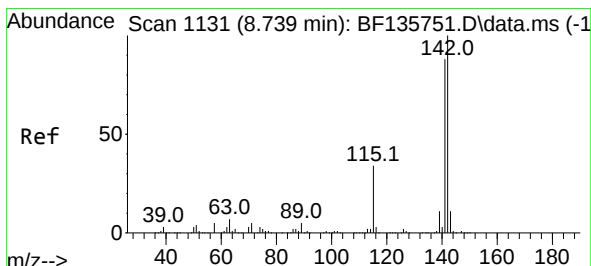
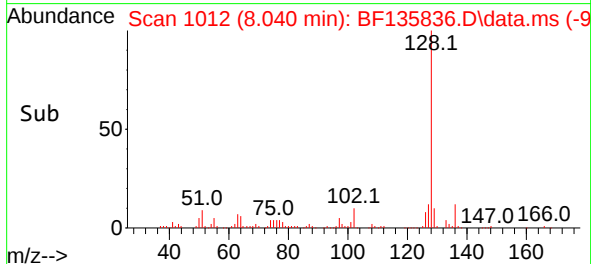
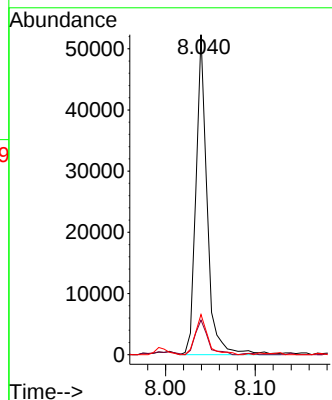
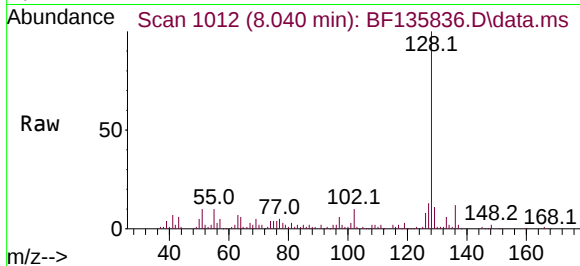




#31
Naphthalene
Concen: 3.304 ng
RT: 8.040 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

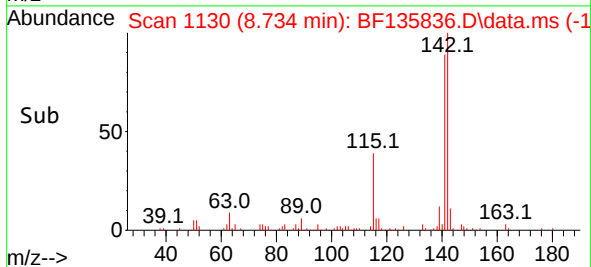
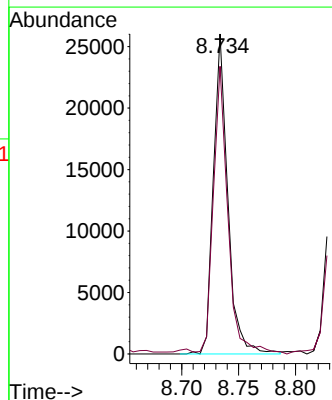
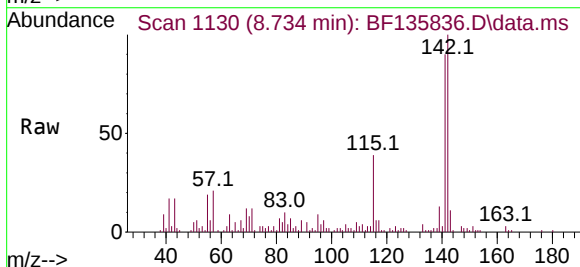
Instrument :
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E9066-OB-003RE

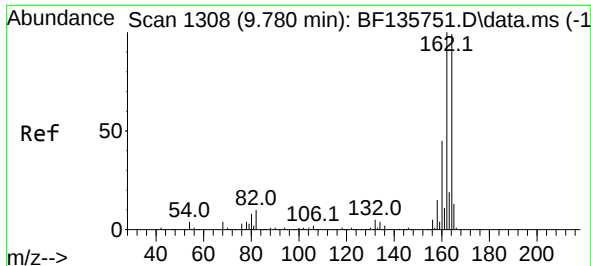
Tgt Ion:128 Resp: 45339
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 12.5 10.2 15.4



#37
2-Methylnaphthalene
Concen: 2.530 ng
RT: 8.734 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

Tgt Ion:142 Resp: 22876
Ion Ratio Lower Upper
142 100
141 89.9 70.6 105.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

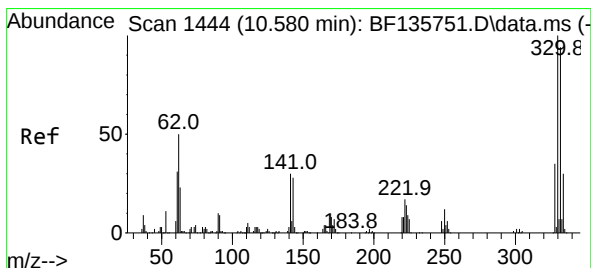
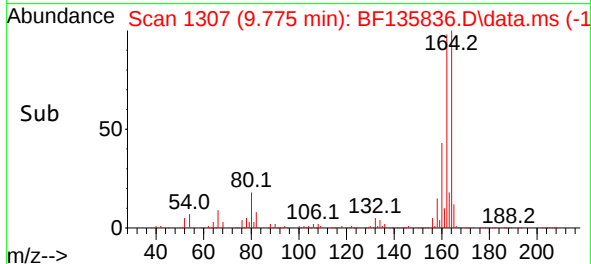
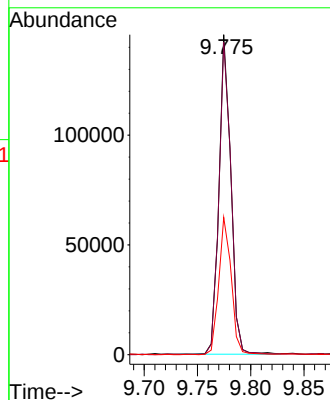
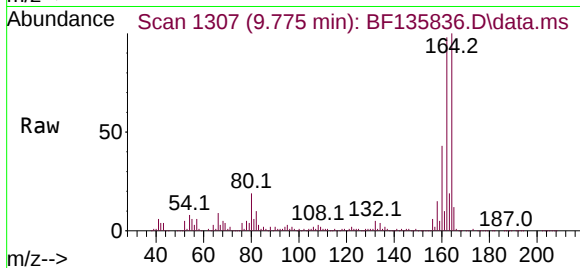
Tgt Ion:164 Resp: 112837

Ion Ratio Lower Upper

164 100

162 97.6 80.8 121.2

160 42.9 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 18.091 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

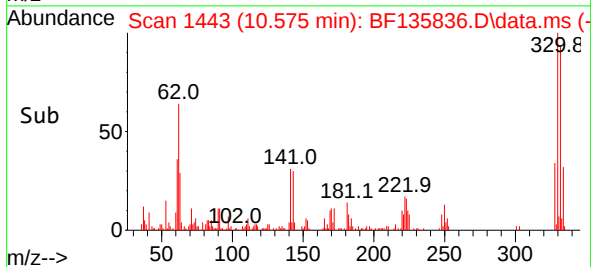
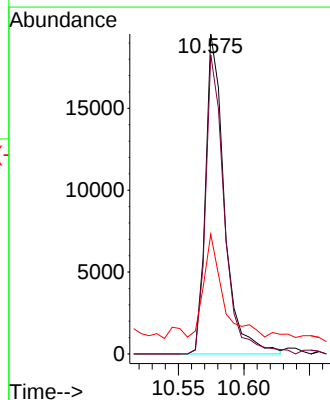
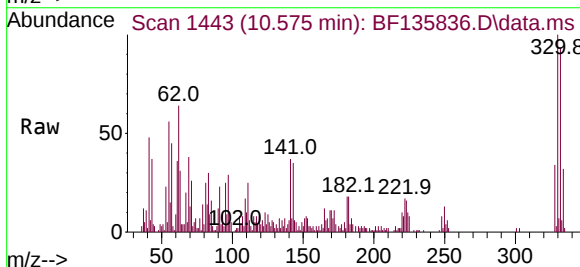
Tgt Ion:330 Resp: 19588

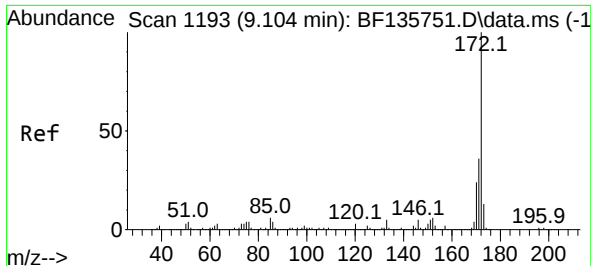
Ion Ratio Lower Upper

330 100

332 93.5 75.0 112.4

141 31.8 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 66.989 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

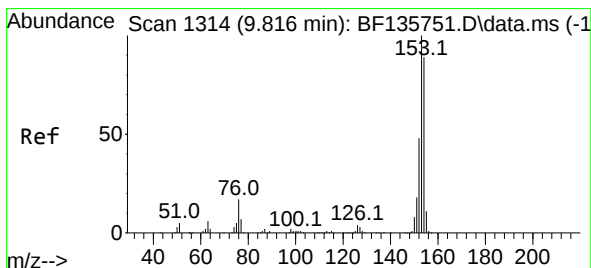
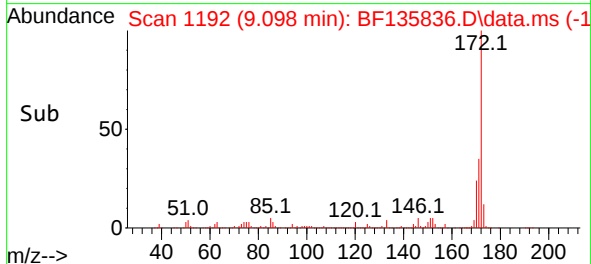
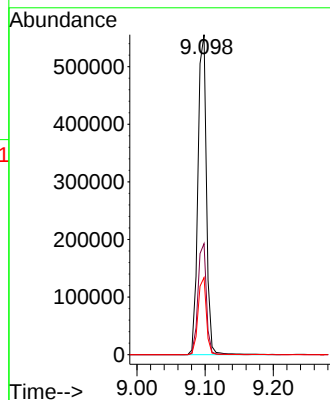
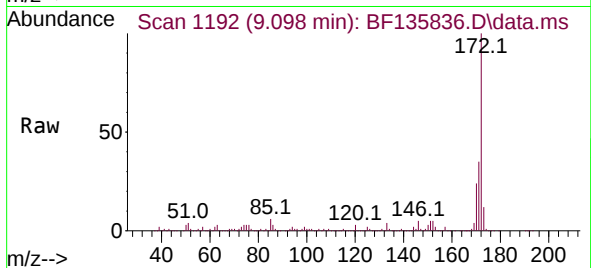
Tgt Ion:172 Resp: 483455

Ion Ratio Lower Upper

172 100

171 34.7 28.4 42.6

170 24.1 18.8 28.2



#52

Acenaphthene

Concen: 2.415 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

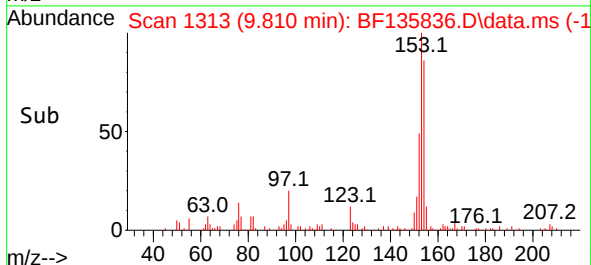
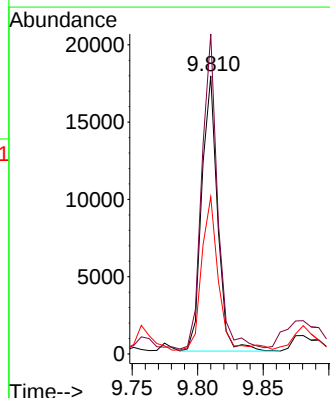
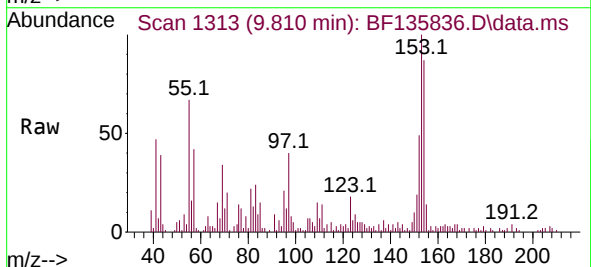
Tgt Ion:154 Resp: 14925

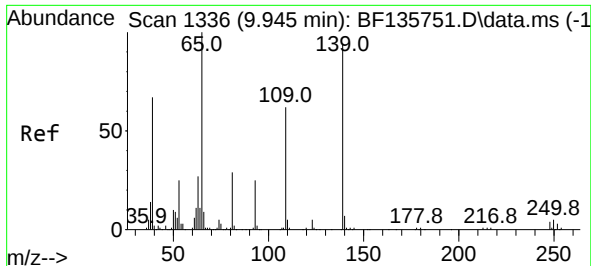
Ion Ratio Lower Upper

154 100

153 115.1 90.1 135.1

152 56.5 43.1 64.7

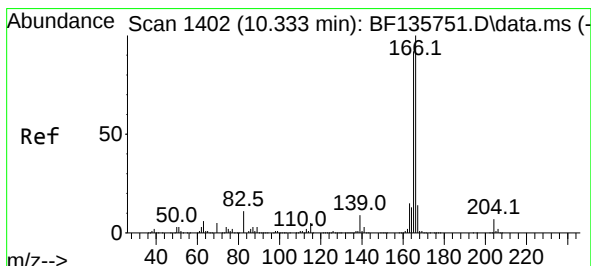
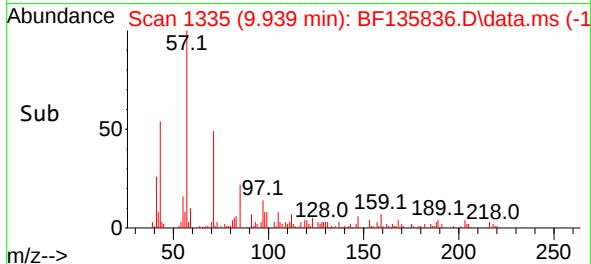
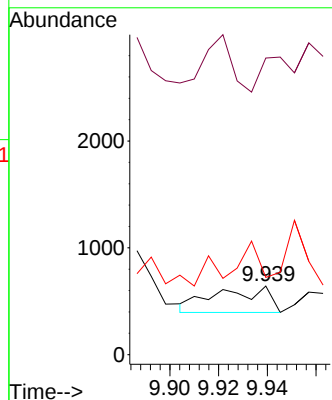
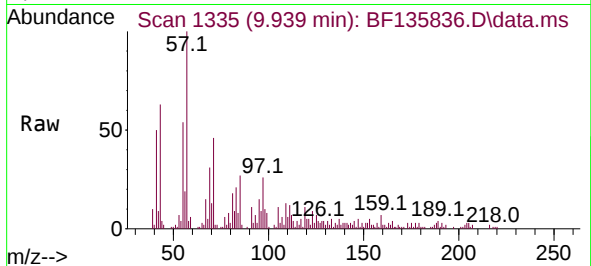




#56
4-Nitrophenol
Concen: 5.860 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

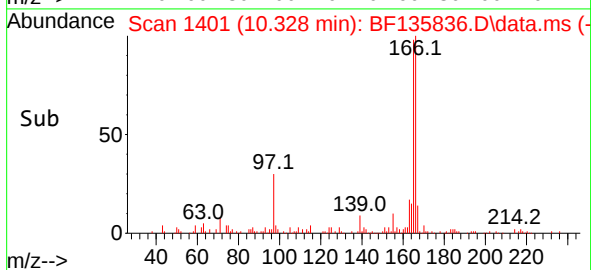
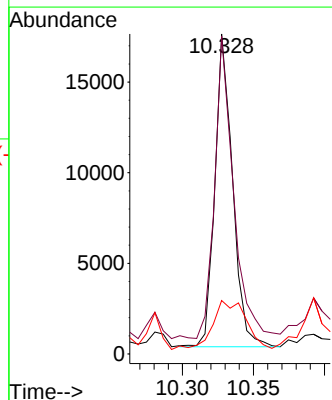
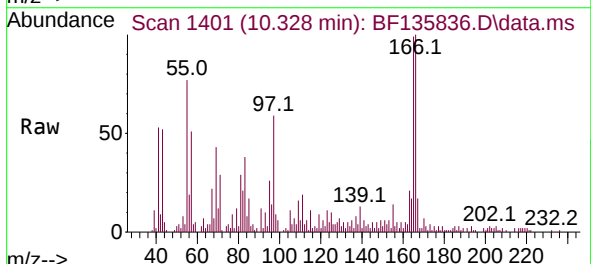
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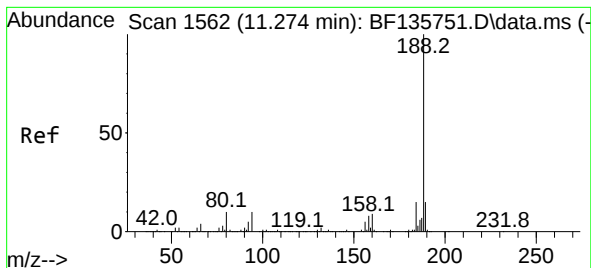
Tgt Ion:139 Resp: 363
Ion Ratio Lower Upper
139 100
109 432.7 45.6 85.6#
65 112.6 87.5 127.5



#58
Fluorene
Concen: 2.049 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

Tgt Ion:166 Resp: 14956
Ion Ratio Lower Upper
166 100
165 99.4 73.4 110.0
167 16.7 11.0 16.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

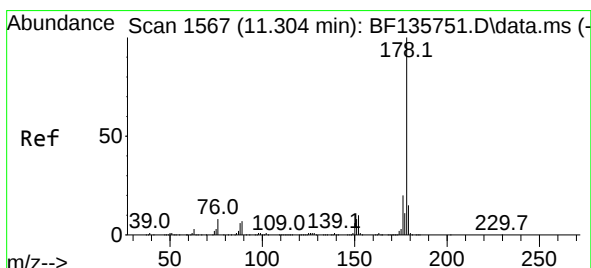
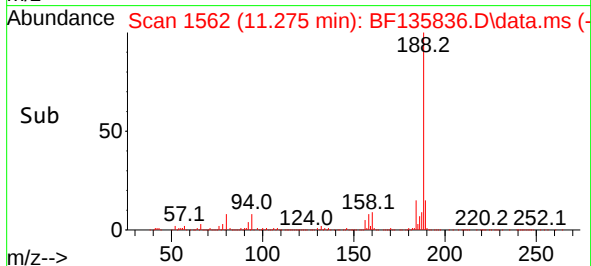
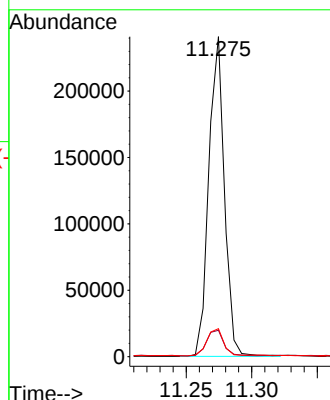
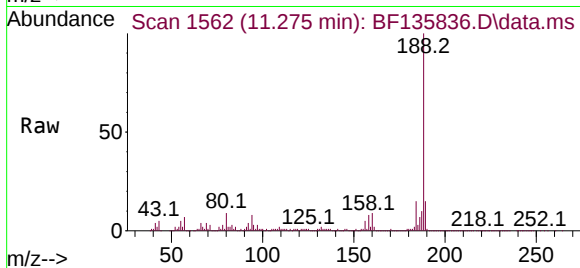
Tgt Ion:188 Resp: 200190

Ion Ratio Lower Upper

188 100

94 8.3 8.0 12.0

80 8.8 8.3 12.5



#71

Phenanthrene

Concen: 13.443 ng

RT: 11.298 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

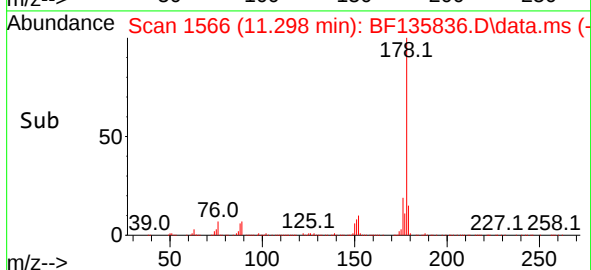
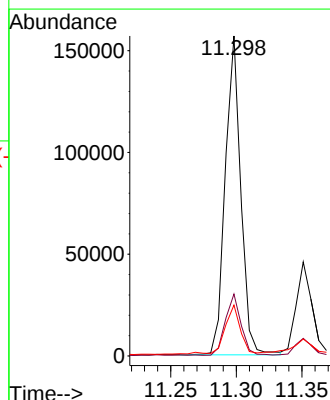
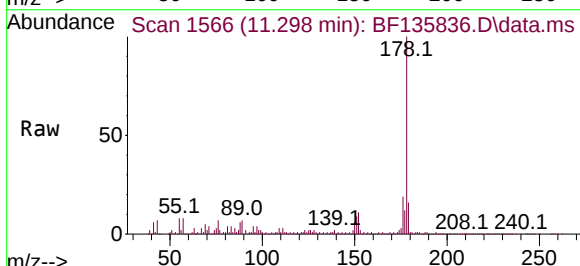
Tgt Ion:178 Resp: 128918

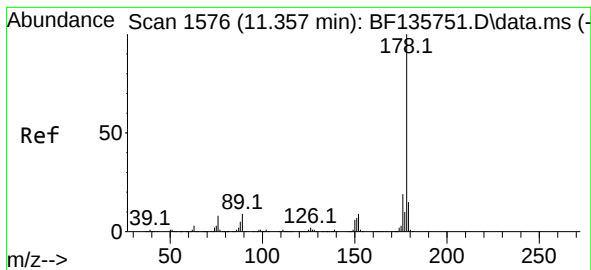
Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

179 15.9 12.2 18.4





#72

Anthracene

Concen: 3.645 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

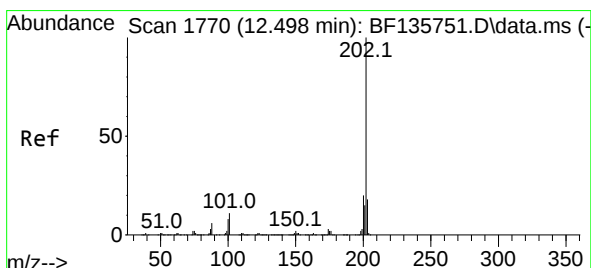
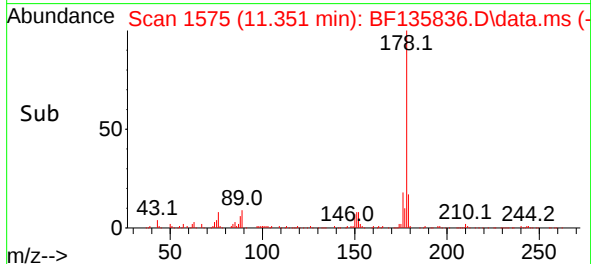
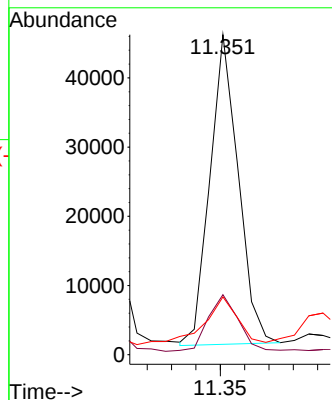
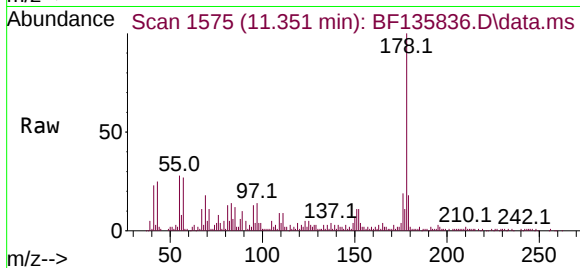
Tgt Ion:178 Resp: 36222

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

179 18.0 12.3 18.5



#75

Fluoranthene

Concen: 16.951 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

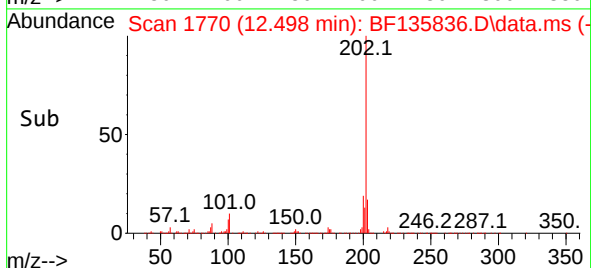
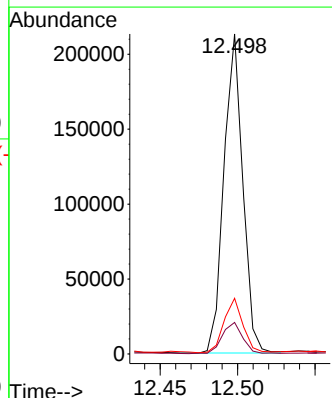
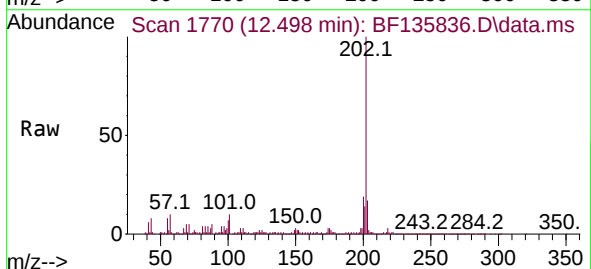
Tgt Ion:202 Resp: 180420

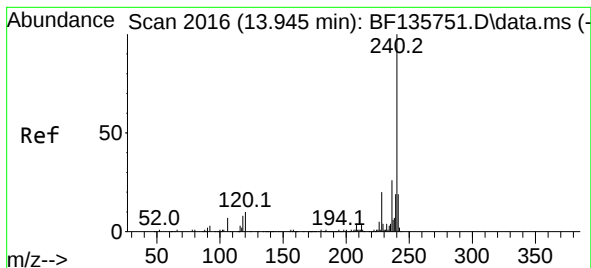
Ion Ratio Lower Upper

202 100

101 9.8 0.0 31.5

203 17.4 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

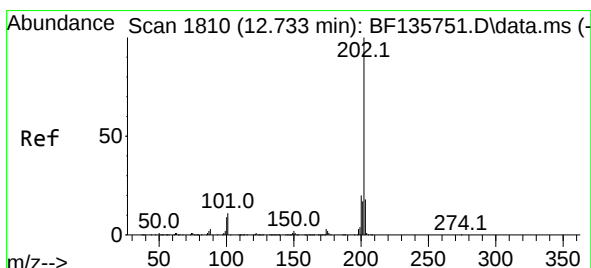
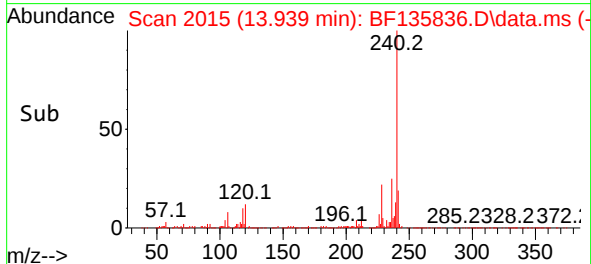
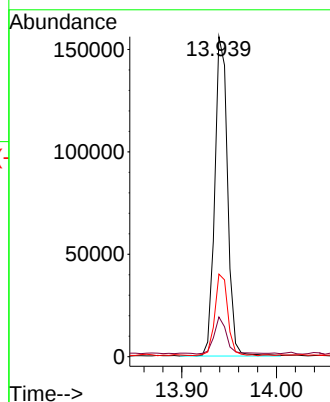
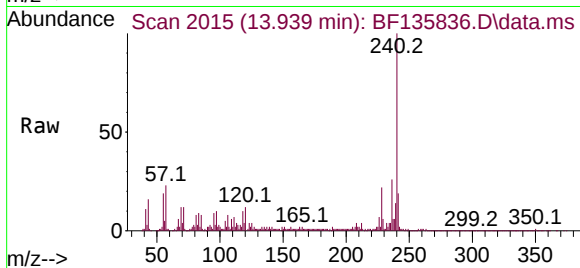
Tgt Ion:240 Resp: 147081

Ion Ratio Lower Upper

240 100

120 12.4 8.2 12.2#

236 25.8 21.2 31.8



#78

Pyrene

Concen: 15.281 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

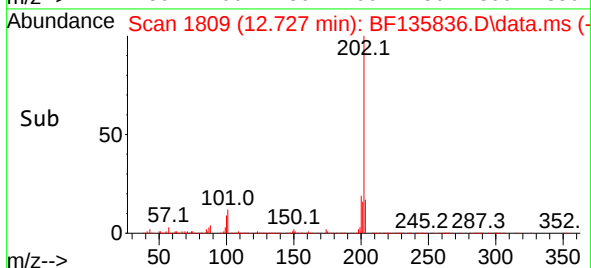
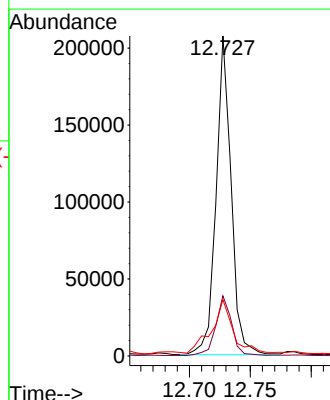
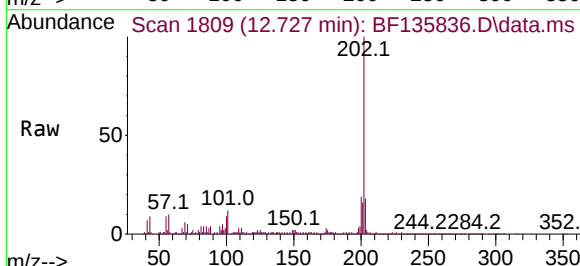
Tgt Ion:202 Resp: 178598

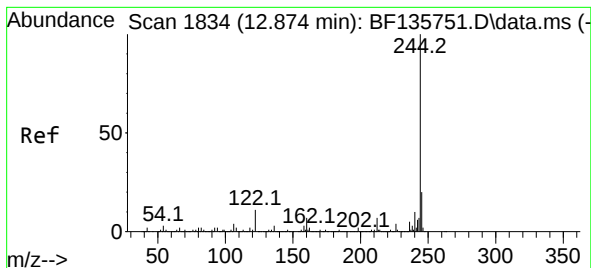
Ion Ratio Lower Upper

202 100

200 18.8 16.1 24.1

203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 63.131 ng

RT: 12.869 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

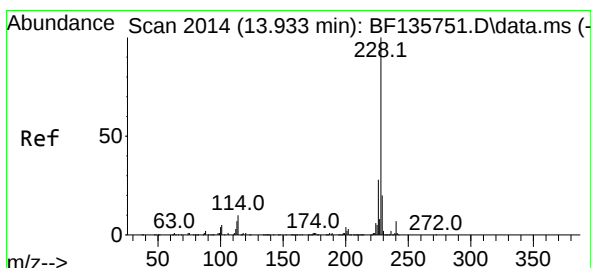
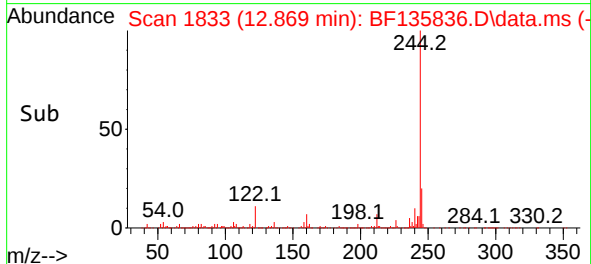
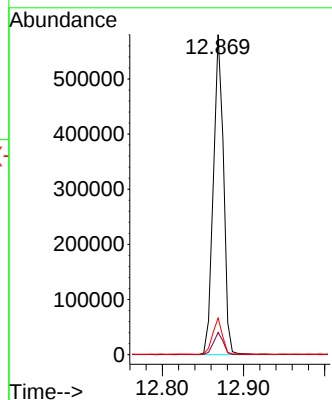
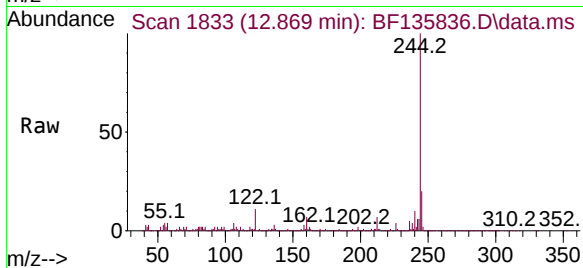
Tgt Ion:244 Resp: 501391

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 11.5 9.0 13.6



#81

Benzo(a)anthracene

Concen: 8.053 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

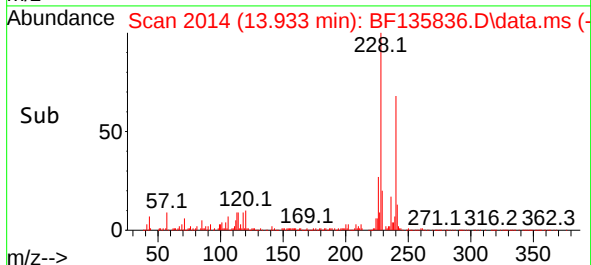
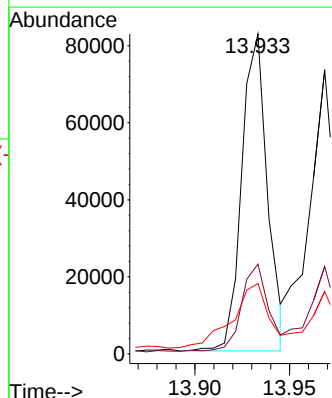
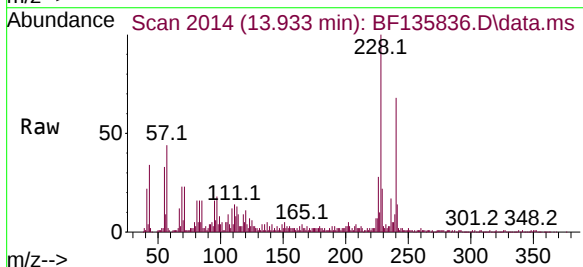
Tgt Ion:228 Resp: 77799

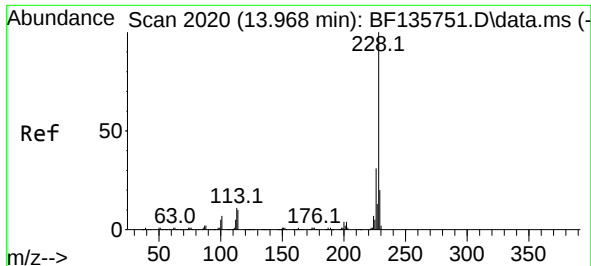
Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.2

229 22.0 16.1 24.1

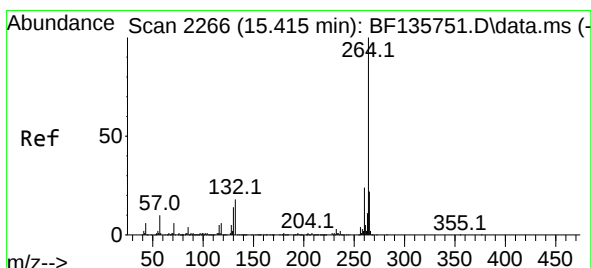
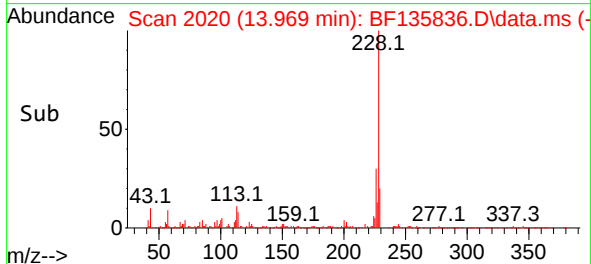
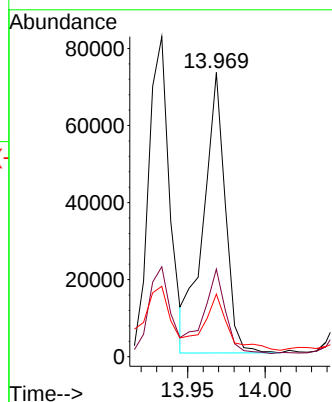
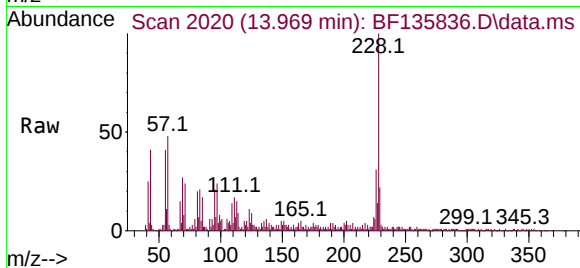




#83
Chrysene
Concen: 7.632 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

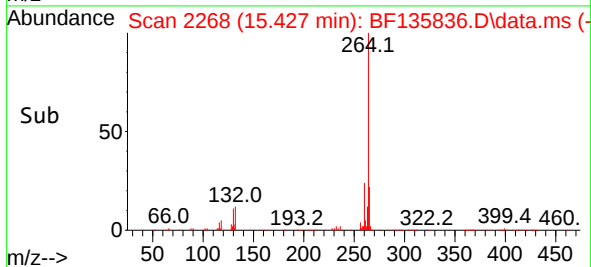
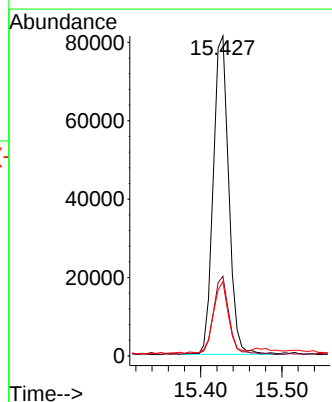
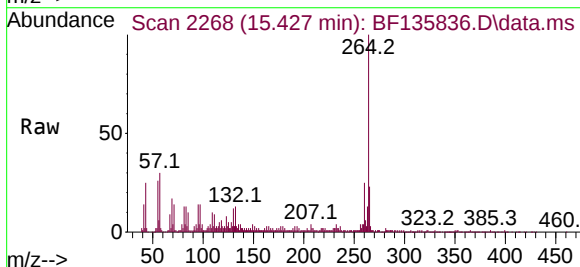
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003RE

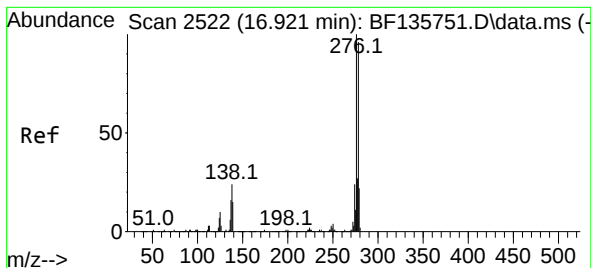
Tgt Ion:228 Resp: 71413
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.0 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF135836.D
Acq: 18 Oct 2023 03:38

Tgt Ion:264 Resp: 107654
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 23.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.866 ng

RT: 16.939 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

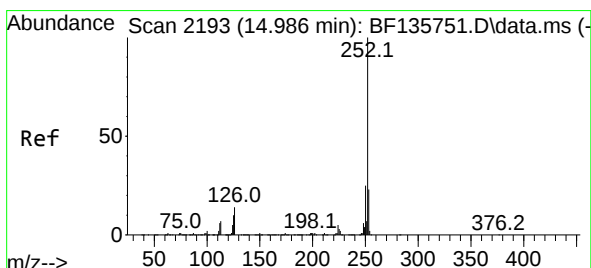
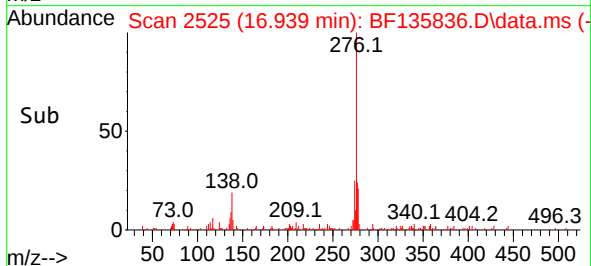
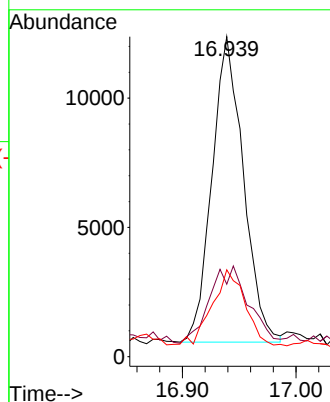
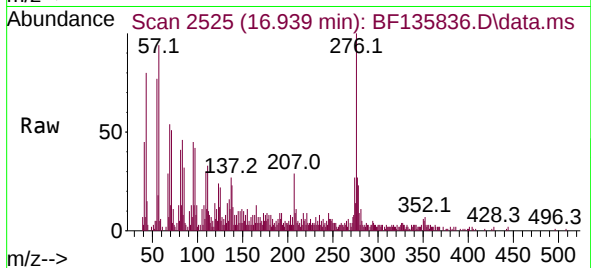
Tgt Ion:276 Resp: 22679

Ion Ratio Lower Upper

276 100

138 31.3 19.8 29.6#

277 26.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 14.786 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

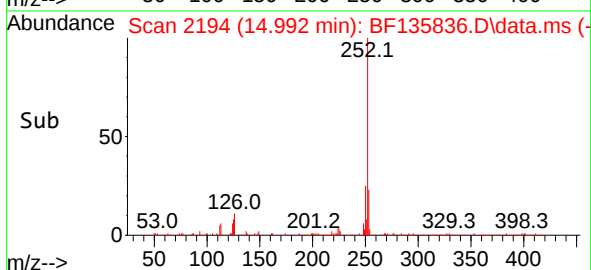
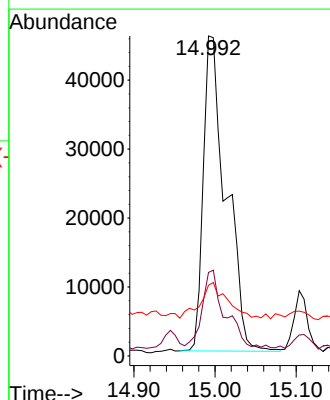
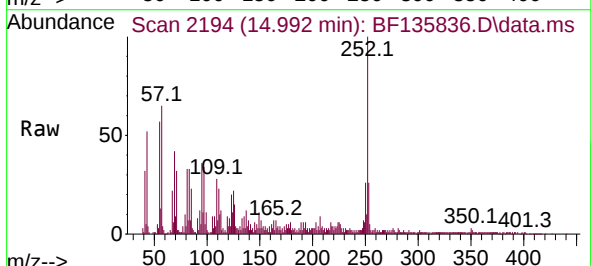
Tgt Ion:252 Resp: 89084

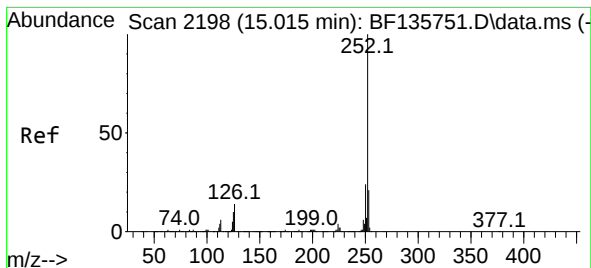
Ion Ratio Lower Upper

252 100

253 26.1 18.2 27.2

125 22.1 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 15.230 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003RE

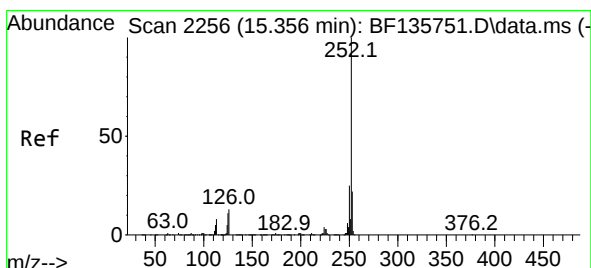
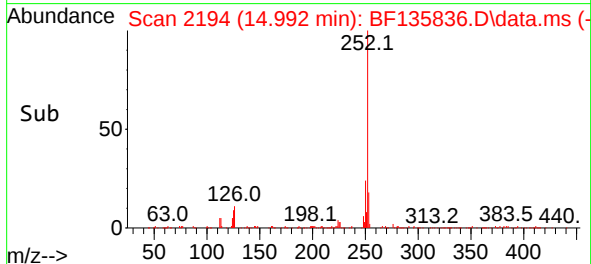
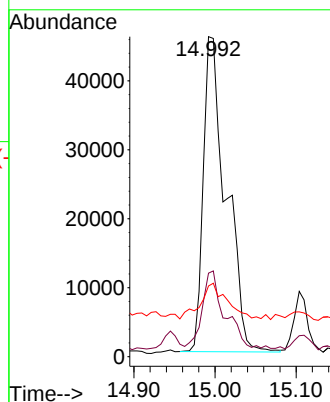
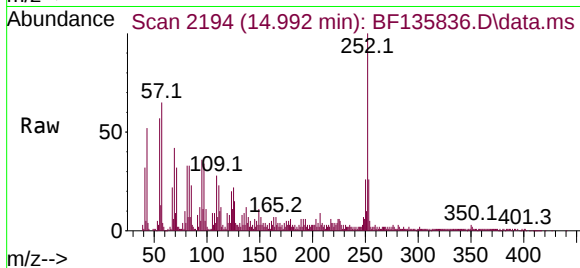
Tgt Ion:252 Resp: 89084

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

125 22.1 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 7.535 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF135836.D

Acq: 18 Oct 2023 03:38

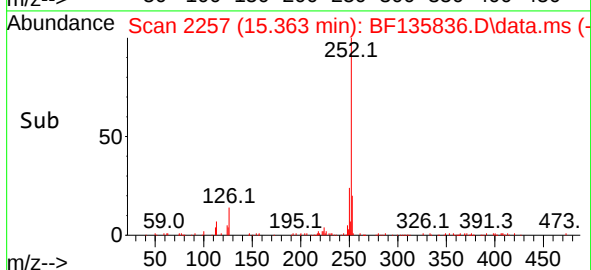
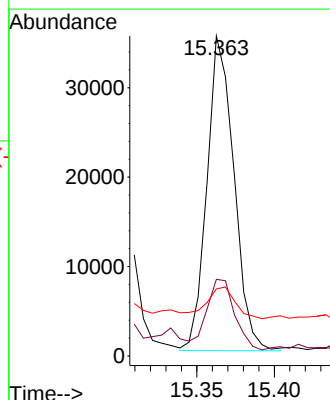
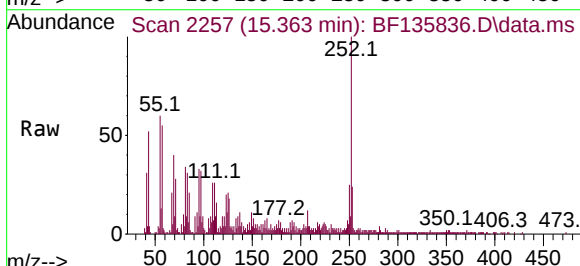
Tgt Ion:252 Resp: 42691

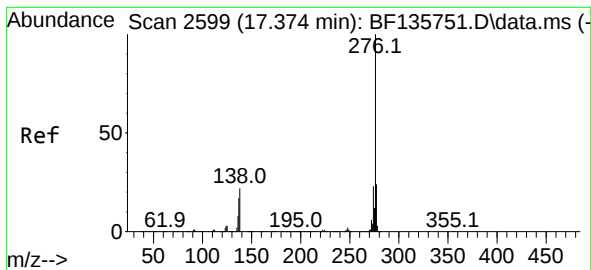
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

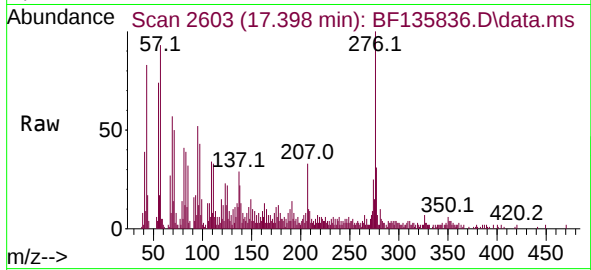
125 21.0 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 5.151 ng
 RT: 17.398 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF135836.D
 Acq: 18 Oct 2023 03:38

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003RE



Tgt Ion:	276	Resp:	25441
Ion Ratio	Lower	Upper	
276	100		
277	31.1	19.4	29.2#
138	22.3	17.3	25.9

