

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135799.D
 Acq On : 17 Oct 2023 02:59
 Operator : CG\JU
 Sample : 04854-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-101123

Quant Time: Oct 17 04:12:27 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)

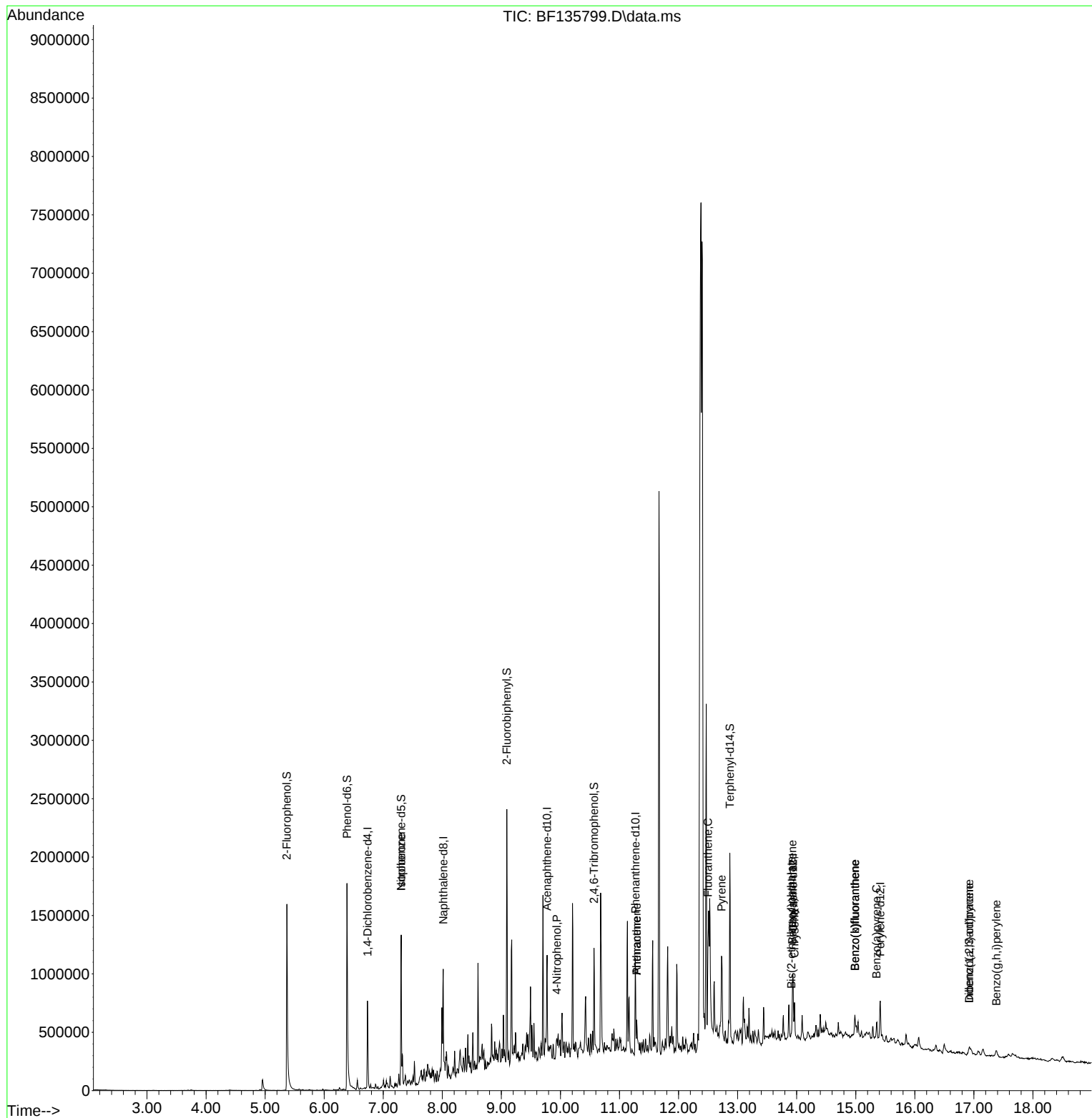
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	107697	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	383064	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	161890	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	279802	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	169642	20.000	ng	-0.01
86) Perylene-d12	15.415	264	138482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	500370	74.698	ng	0.00
7) Phenol-d6	6.387	99	615390	73.629	ng	-0.01
23) Nitrobenzene-d5	7.304	82	370021	53.127	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	108910	70.108	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	611986	59.105	ng	-0.01
79) Terphenyl-d14	12.869	244	547908	59.813	ng	-0.01
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	368030	28.009	ng	# 66
56) 4-Nitrophenol	9.939	139	617	5.928	ng	# 1
71) Phenanthrene	11.292	178	97326	7.261	ng	96
72) Anthracene	11.292	178	97326	7.007	ng	97
75) Fluoranthene	12.498	202	233009	15.663	ng	98
78) Pyrene	12.727	202	267479	19.842	ng	99
81) Benzo(a)anthracene	13.927	228	121505	10.904	ng	97
83) Chrysene	13.963	228	116225	10.769	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	17033	2.121	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.921	276	42810	5.674	ng	95
88) Benzo(b)fluoranthene	14.986	252	141001	18.193	ng	# 94
89) Benzo(k)fluoranthene	14.986	252	141001	18.739	ng	# 93
90) Benzo(a)pyrene	15.351	252	76817	10.540	ng	# 95
91) Dibenzo(a,h)anthracene	16.921	278	12608	2.038	ng	# 75
92) Benzo(g,h,i)perylene	17.380	276	40538	6.380	ng	95

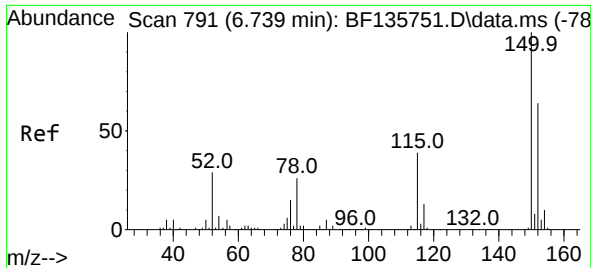
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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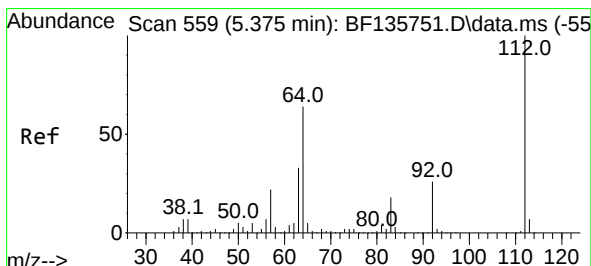
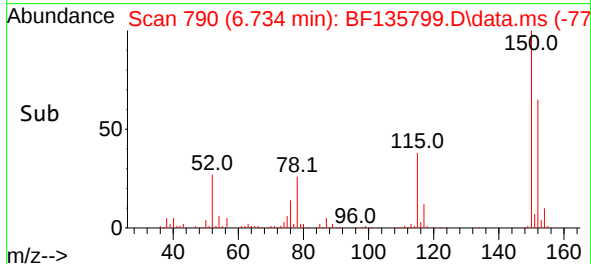
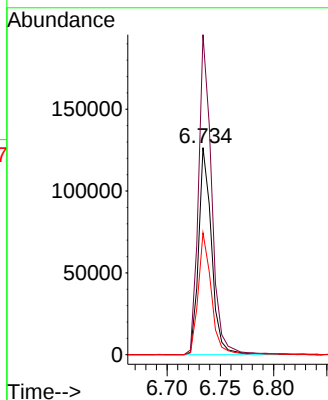
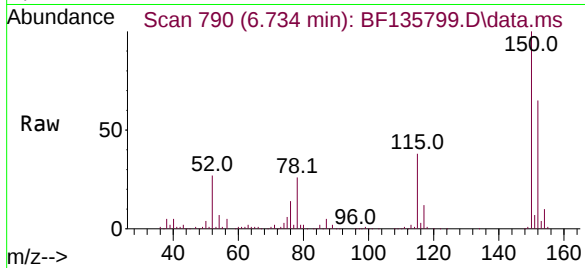




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135799.D
 Acq: 17 Oct 2023 02:59

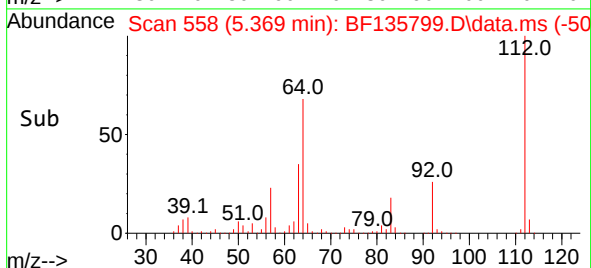
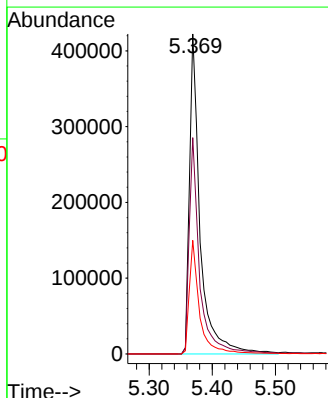
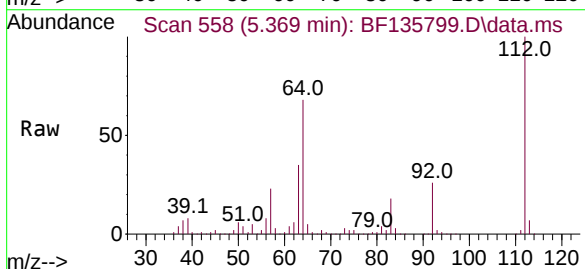
Instrument :
 BNA_F
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 TR-05-101123

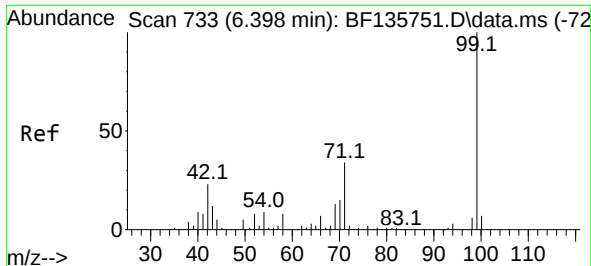
Tgt Ion:152 Resp: 107697
 Ion Ratio Lower Upper
 152 100
 150 154.6 124.5 186.7
 115 58.9 49.0 73.4



#5
 2-Fluorophenol
 Concen: 74.698 ng
 RT: 5.369 min Scan# 558
 Delta R.T. -0.006 min
 Lab File: BF135799.D
 Acq: 17 Oct 2023 02:59

Tgt Ion:112 Resp: 500370
 Ion Ratio Lower Upper
 112 100
 64 67.6 51.2 76.8
 63 35.5 26.1 39.1

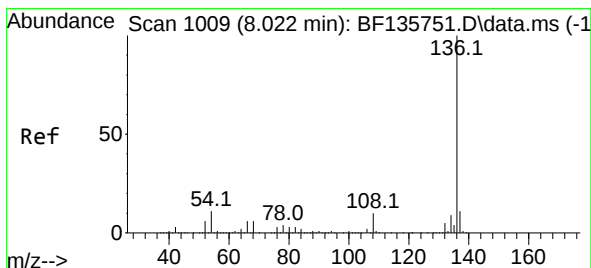
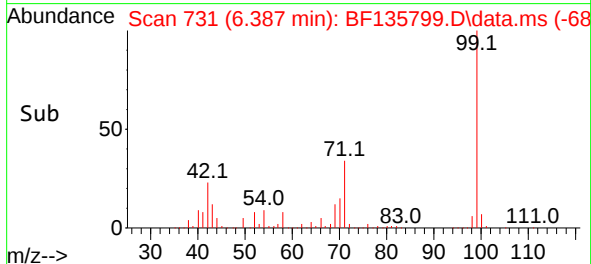
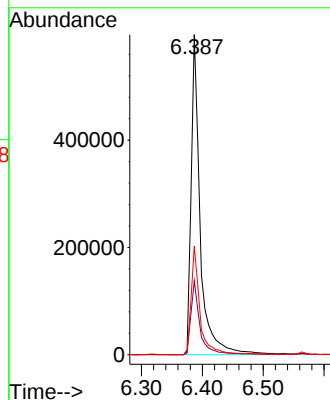
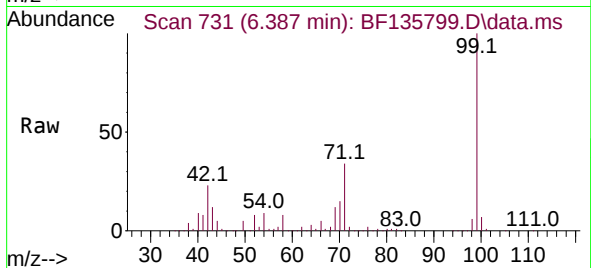




#7
Phenol-d6
Concen: 73.629 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

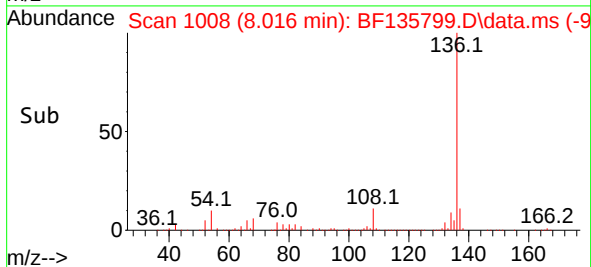
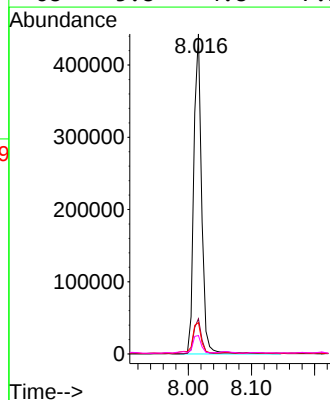
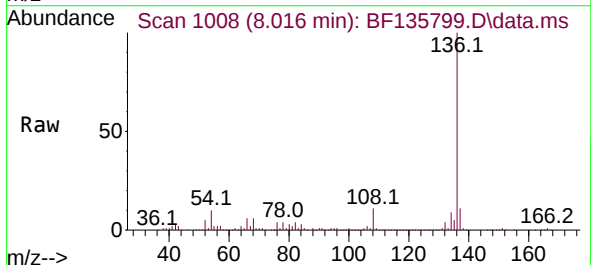
Instrument :
BNA_F
ClientSampleId :
TR-05-101123

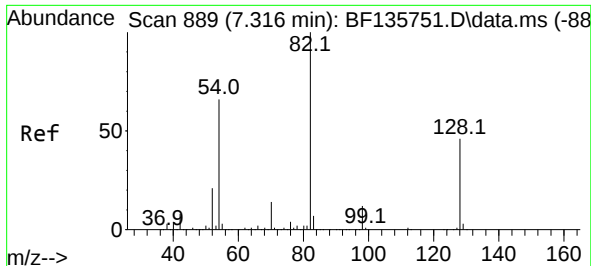
Tgt Ion: 99 Resp: 615390
Ion Ratio Lower Upper
99 100
42 23.1 18.4 27.6
71 33.8 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:136 Resp: 383064
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 8.5 12.7
68 5.8 4.8 7.2

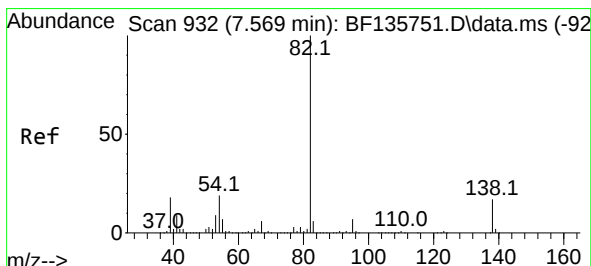
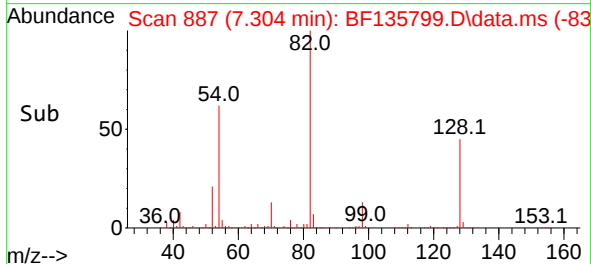
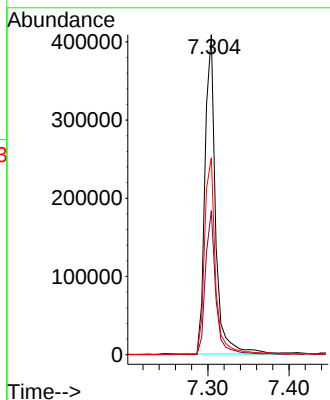
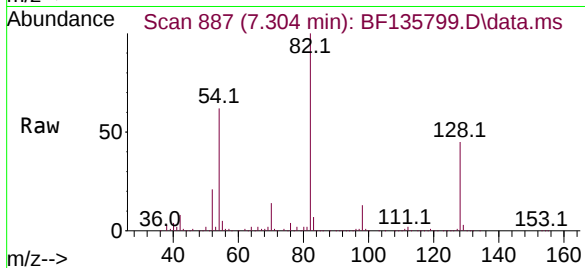




#23
Nitrobenzene-d5
Concen: 53.127 ng
RT: 7.304 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

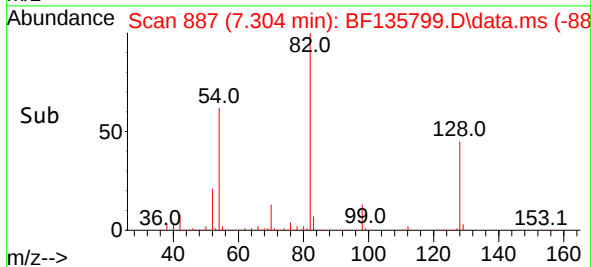
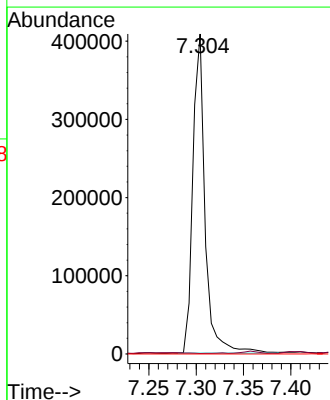
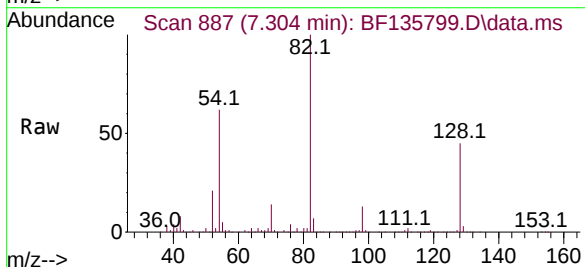
Instrument :
BNA_F
ClientSampleId :
TR-05-101123

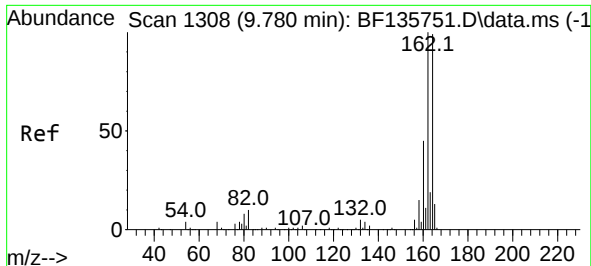
Tgt Ion: 82 Resp: 370021
Ion Ratio Lower Upper
82 100
128 45.0 37.0 55.6
54 61.6 52.8 79.2



#25
Isophorone
Concen: 28.009 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.265 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion: 82 Resp: 368030
Ion Ratio Lower Upper
82 100
95 0.2 5.5 8.3#
138 0.0 13.9 20.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

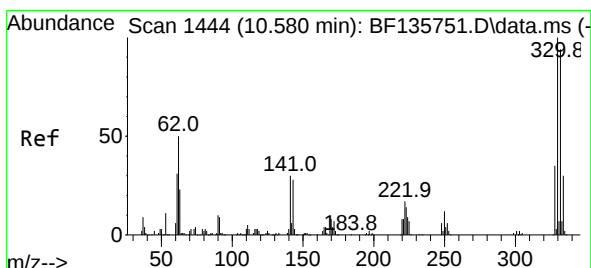
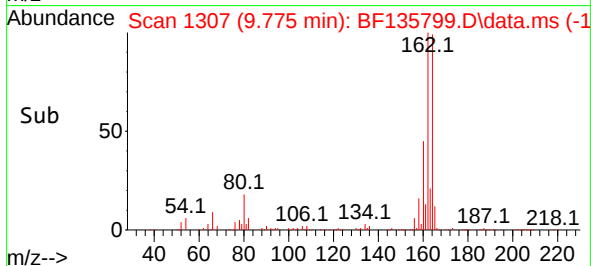
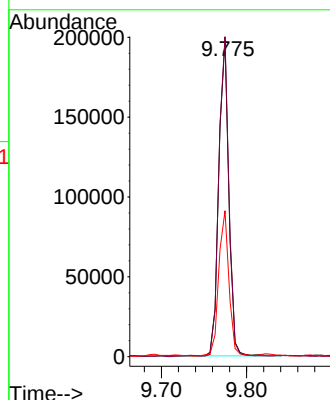
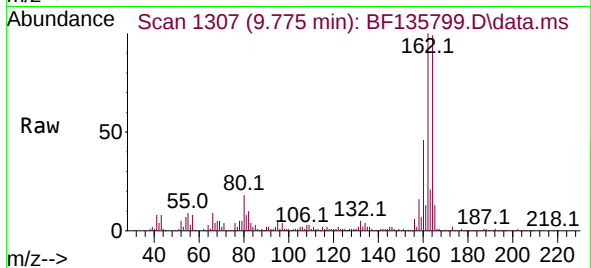
Tgt Ion:164 Resp: 161890

Ion Ratio Lower Upper

164 100

162 101.1 80.8 121.2

160 46.1 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 70.108 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.018 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

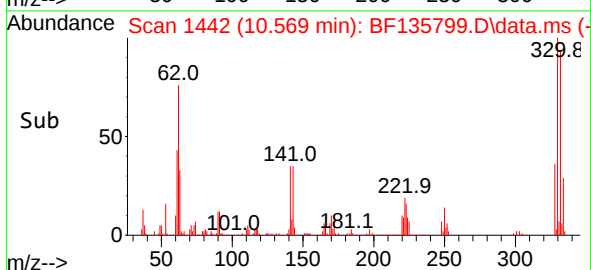
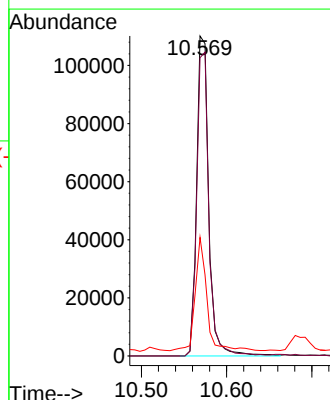
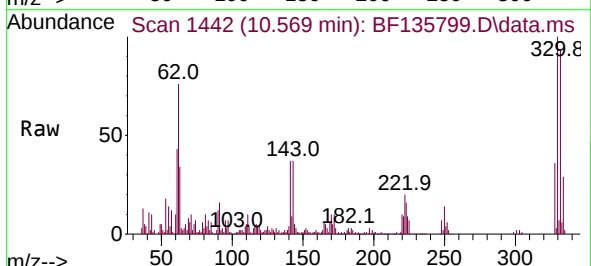
Tgt Ion:330 Resp: 108910

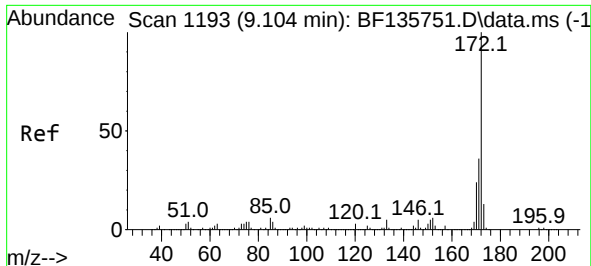
Ion Ratio Lower Upper

330 100

332 95.2 75.0 112.4

141 33.7 25.8 38.6

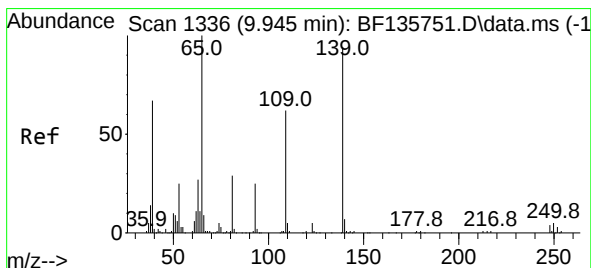
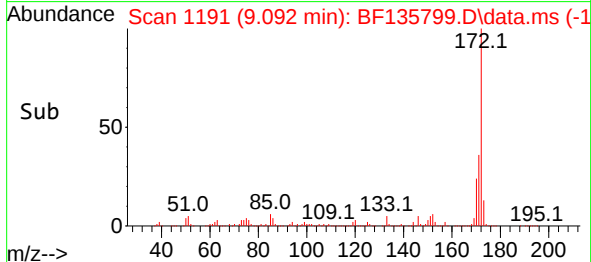
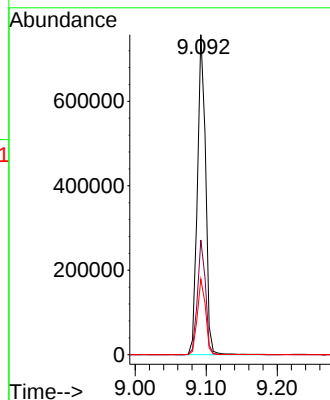
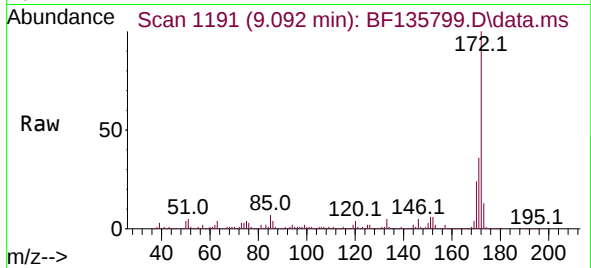




#45
2-Fluorobiphenyl
Concen: 59.105 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

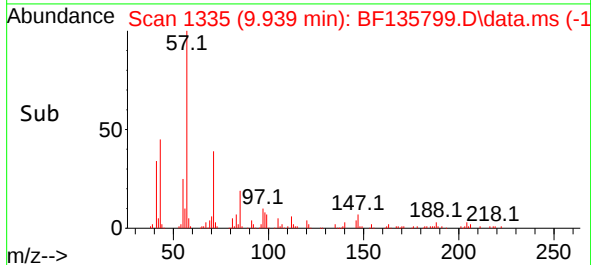
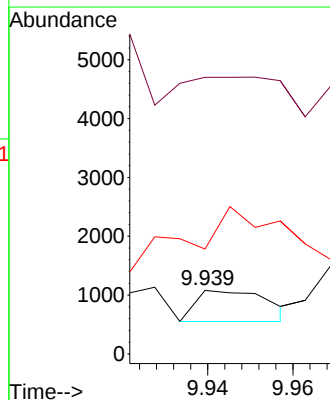
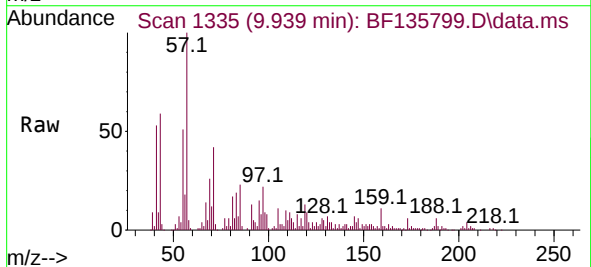
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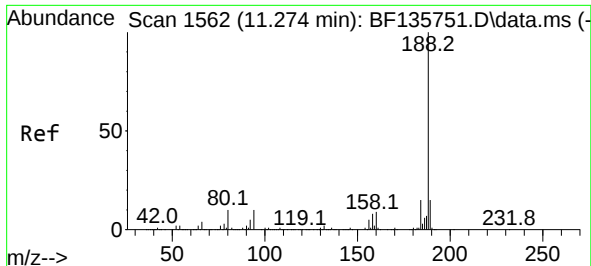
Tgt Ion:172 Resp: 611986
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.7 18.8 28.2



#56
4-Nitrophenol
Concen: 5.928 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:139 Resp: 617
Ion Ratio Lower Upper
139 100
109 435.4 45.6 85.6#
65 165.3 87.5 127.5#

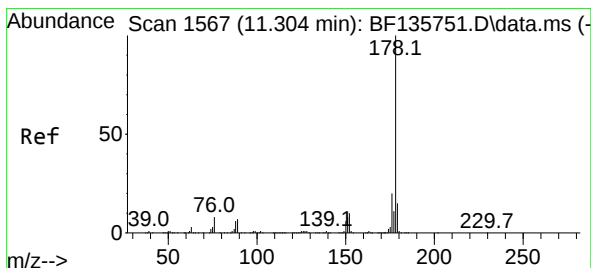
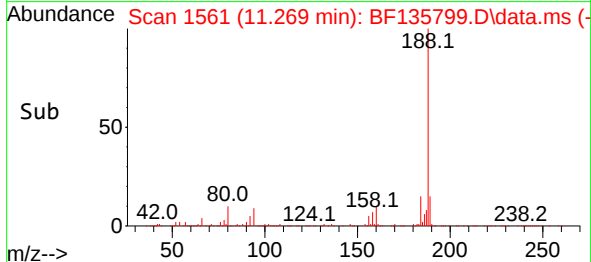
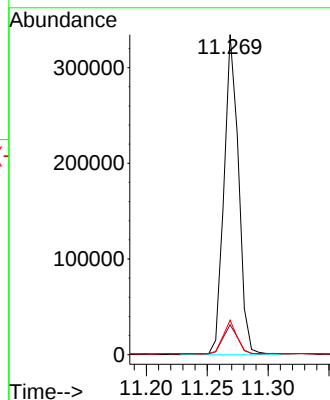
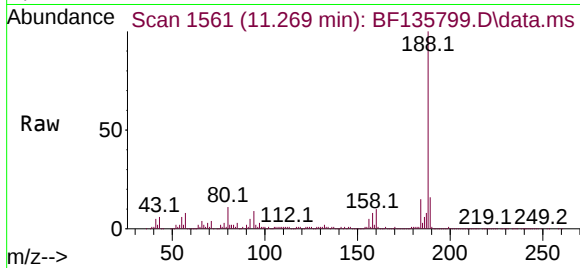




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

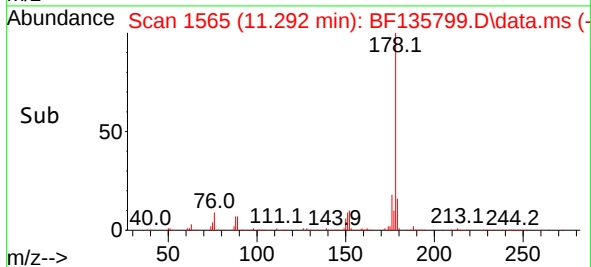
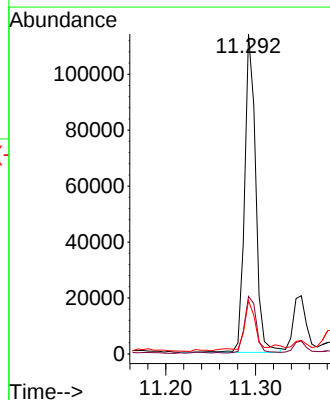
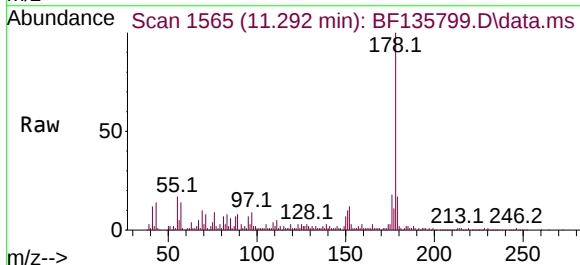
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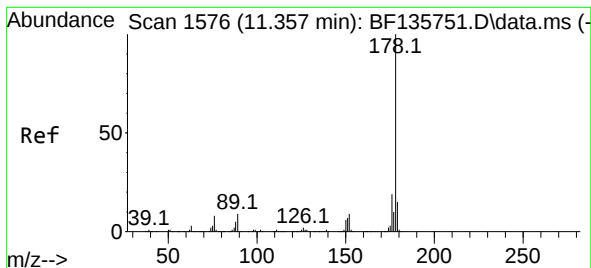
Tgt Ion:188 Resp: 279802
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 10.8 8.3 12.5



#71
Phenanthrene
Concen: 7.261 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135799.D
Acq: 17 Oct 2023 02:59

Tgt Ion:178 Resp: 97326
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 16.7 12.2 18.4





#72

Anthracene

Concen: 7.007 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.065 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

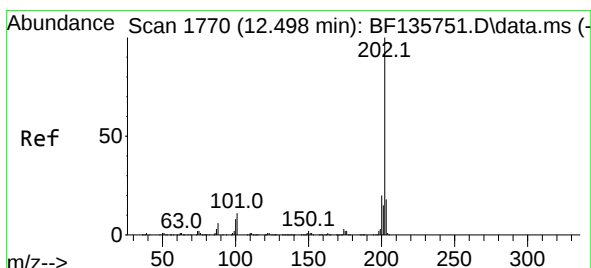
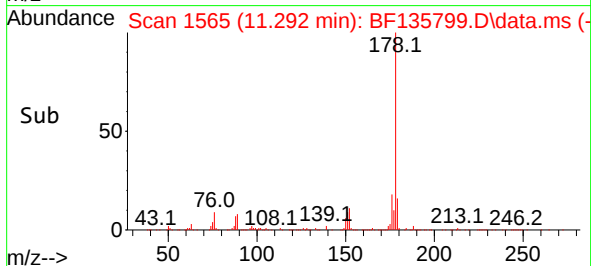
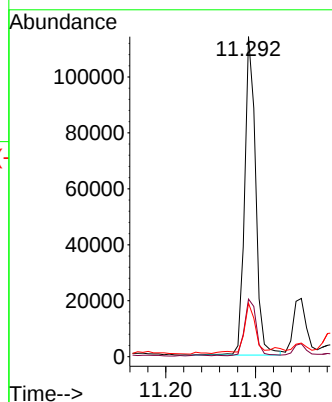
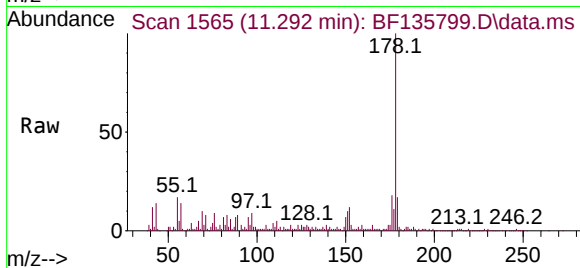
Tgt Ion:178 Resp: 97326

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 16.7 12.3 18.5



#75

Fluoranthene

Concen: 15.663 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

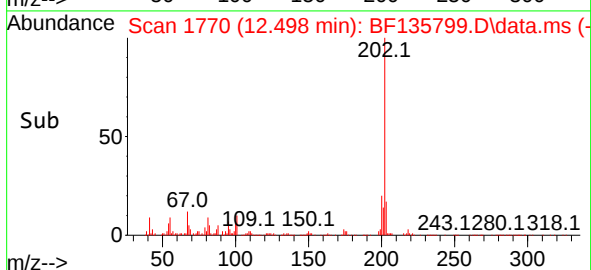
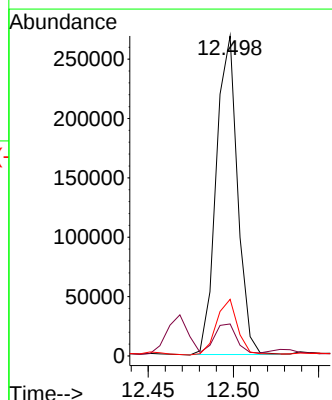
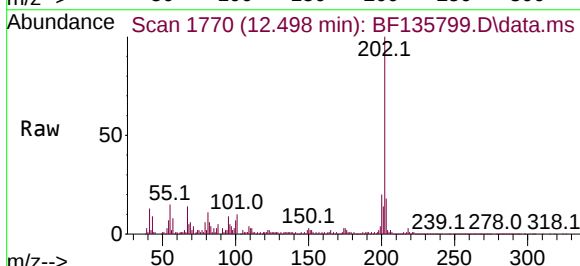
Tgt Ion:202 Resp: 233009

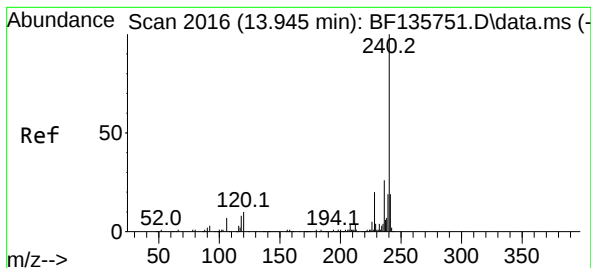
Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.5

203 17.7 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

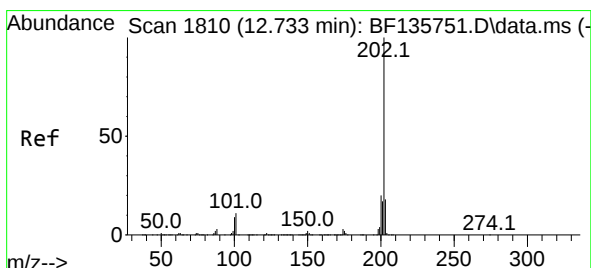
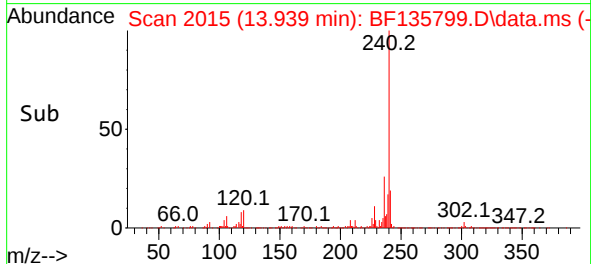
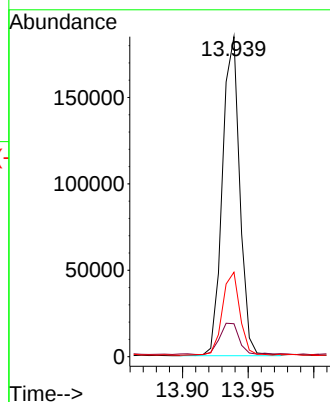
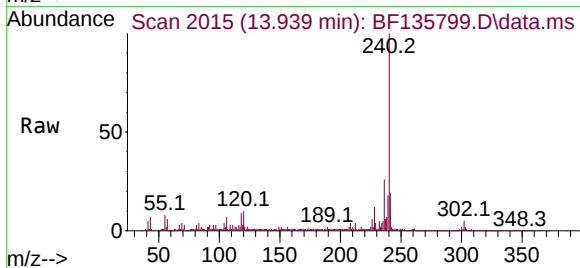
Tgt Ion:240 Resp: 169642

Ion Ratio Lower Upper

240 100

120 10.3 8.2 12.2

236 26.4 21.2 31.8



#78

Pyrene

Concen: 19.842 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

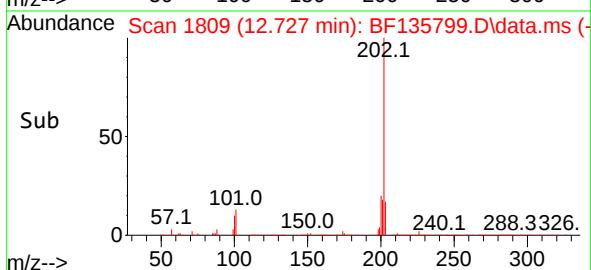
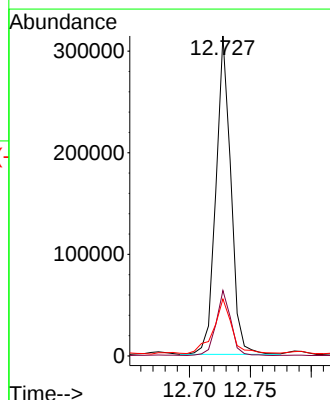
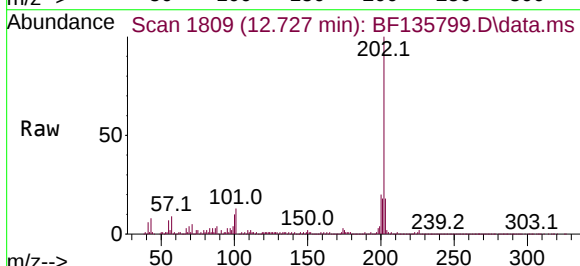
Tgt Ion:202 Resp: 267479

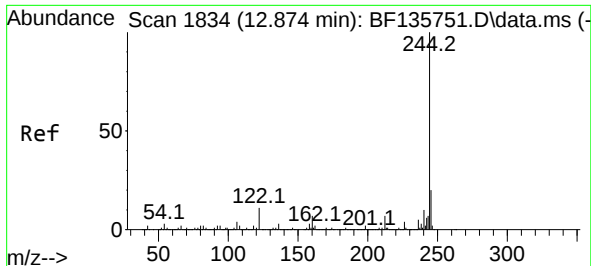
Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

203 17.8 14.2 21.2

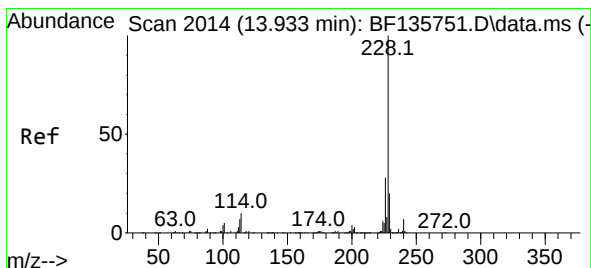
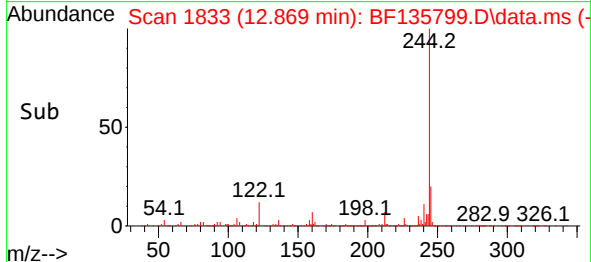
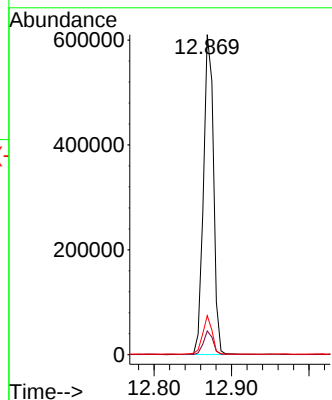
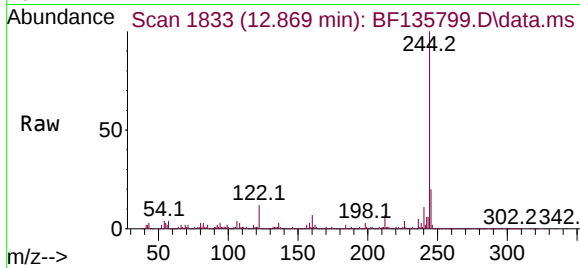




#79
 Terphenyl-d14
 Concen: 59.813 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135799.D
 Acq: 17 Oct 2023 02:59

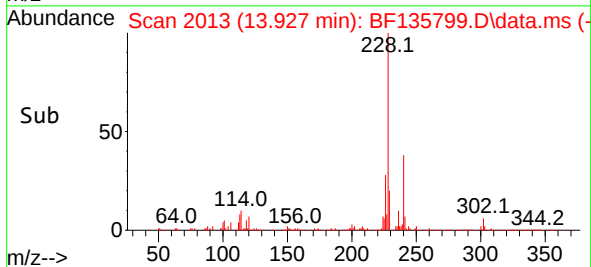
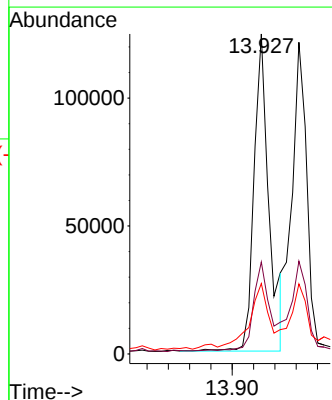
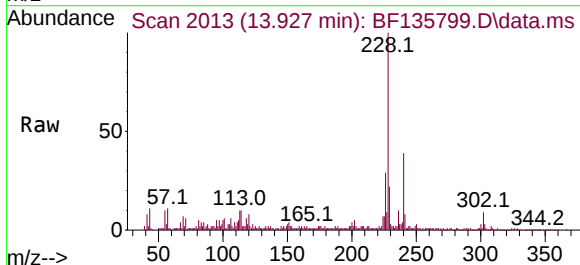
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-101123

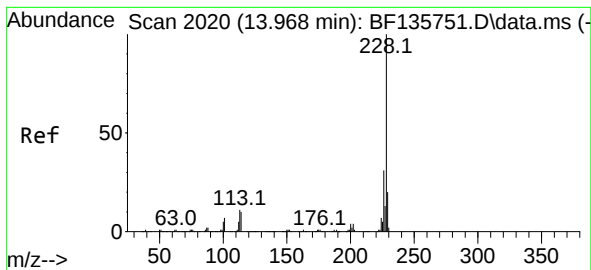
Tgt Ion:244 Resp: 547908
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 12.2 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 10.904 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135799.D
 Acq: 17 Oct 2023 02:59

Tgt Ion:228 Resp: 121505
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.2 33.2
 229 22.0 16.1 24.1





#83

Chrysene

Concen: 10.769 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

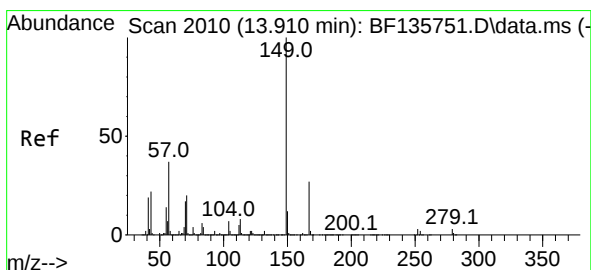
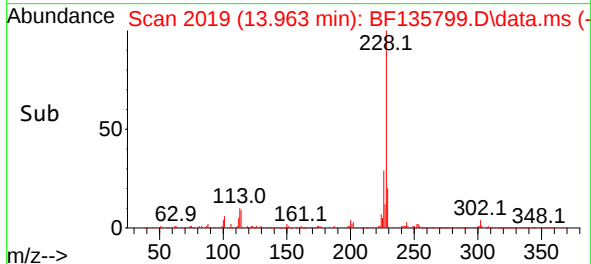
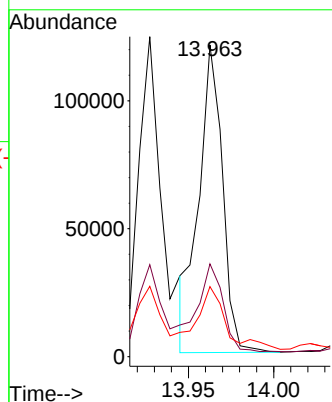
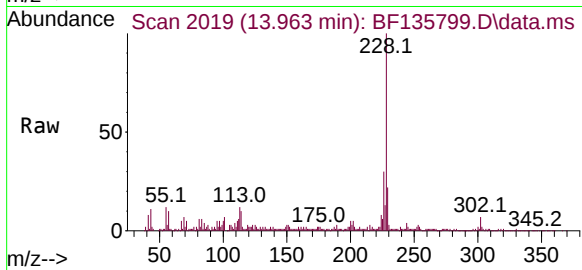
Tgt Ion:228 Resp: 116225

Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 22.5 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.121 ng

RT: 13.910 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

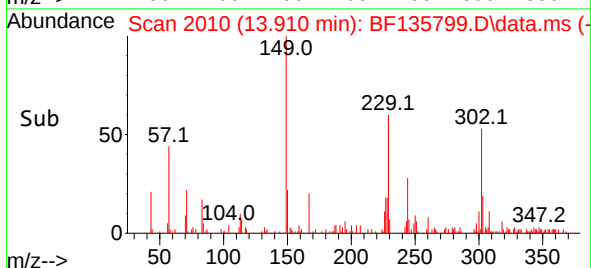
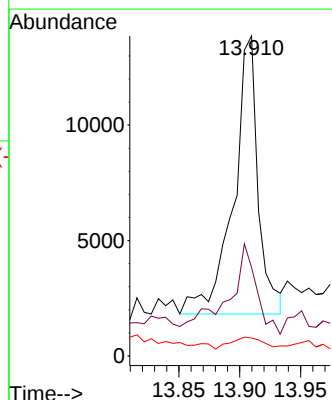
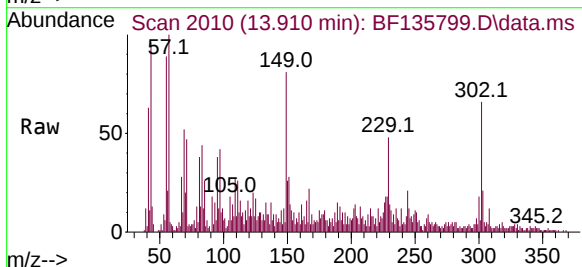
Tgt Ion:149 Resp: 17033

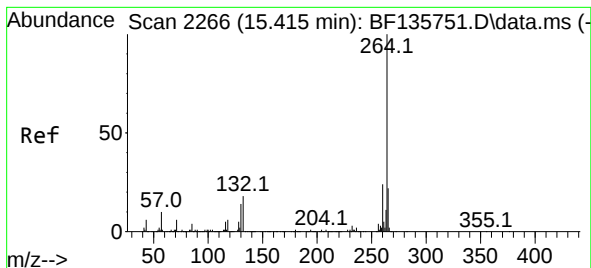
Ion Ratio Lower Upper

149 100

167 27.7 21.3 31.9

279 5.6 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

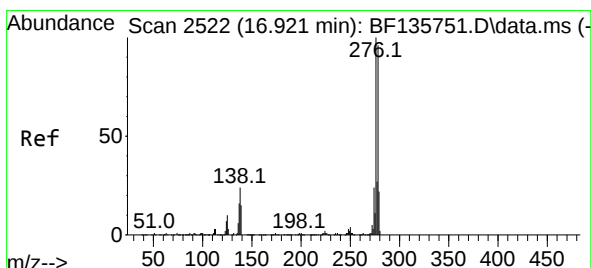
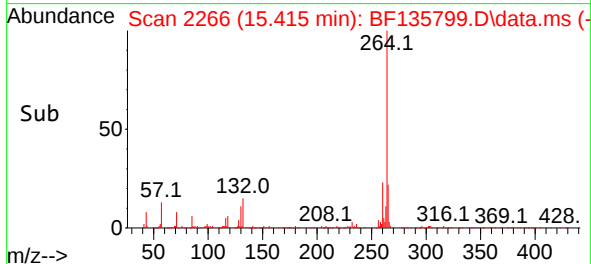
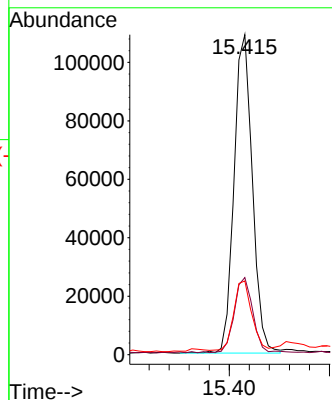
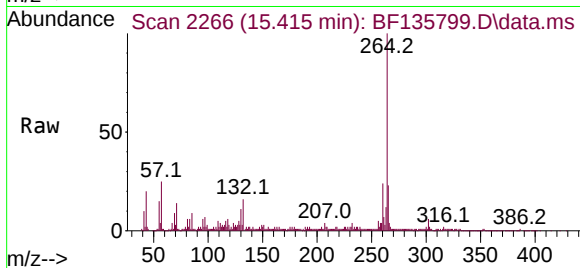
Tgt Ion:264 Resp: 138482

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.0 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.674 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

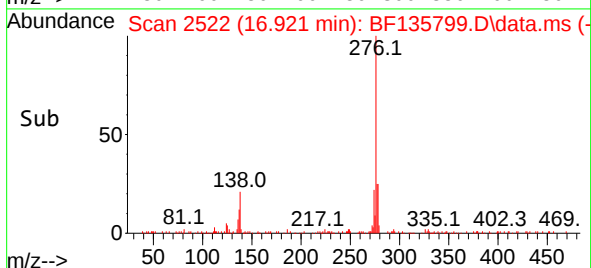
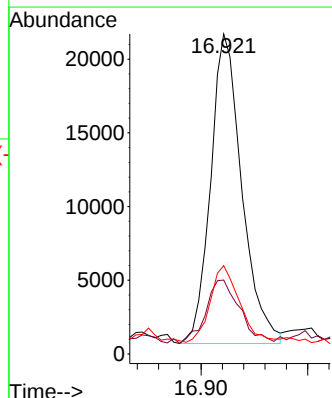
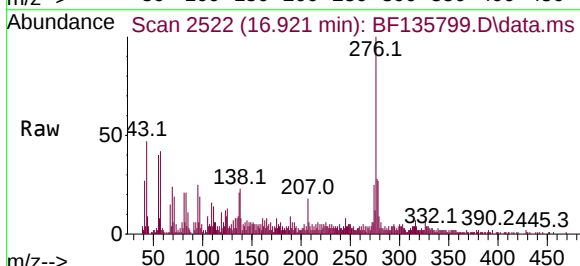
Tgt Ion:276 Resp: 42810

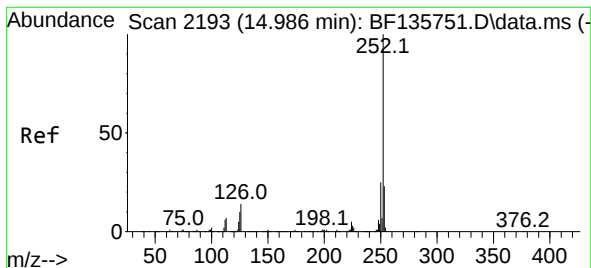
Ion Ratio Lower Upper

276 100

138 21.9 19.8 29.6

277 23.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 18.193 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

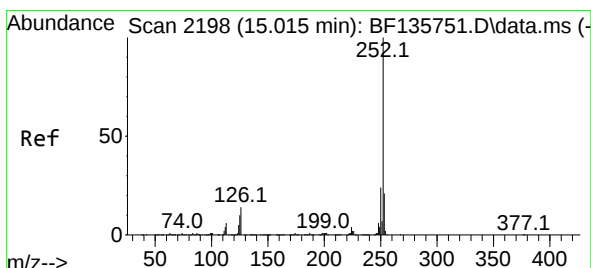
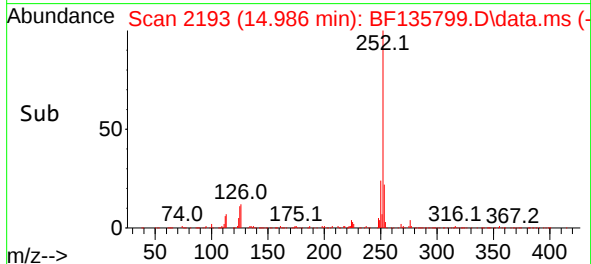
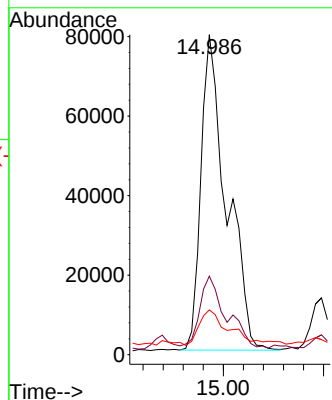
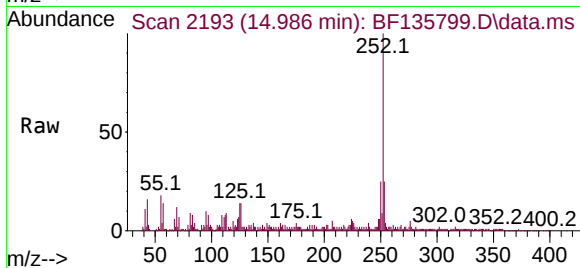
Tgt Ion:252 Resp: 141001

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

125 14.0 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 18.739 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

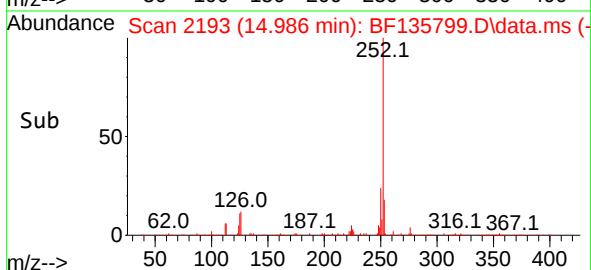
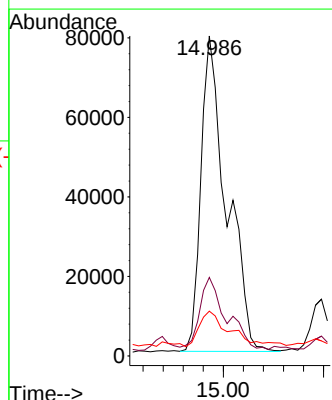
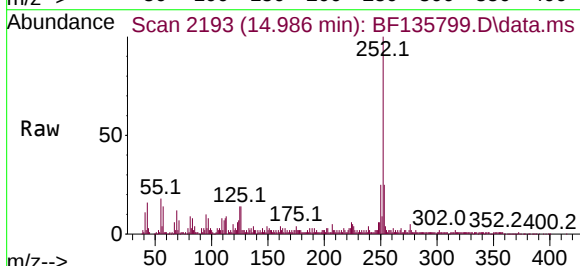
Tgt Ion:252 Resp: 141001

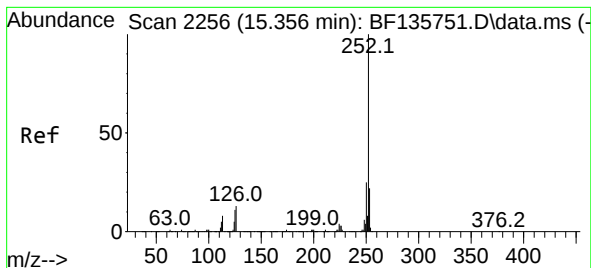
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 14.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 10.540 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123

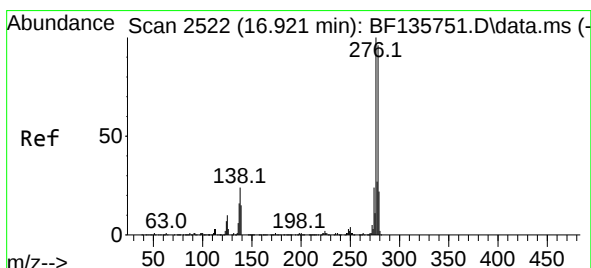
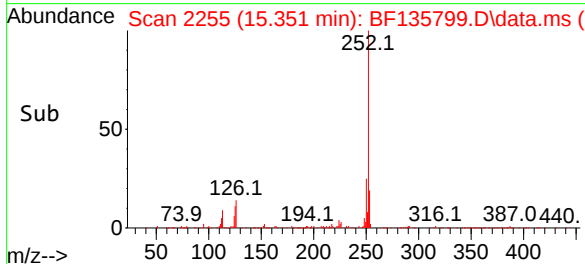
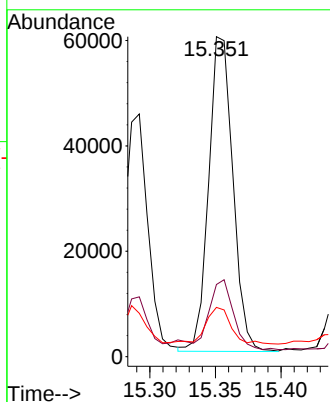
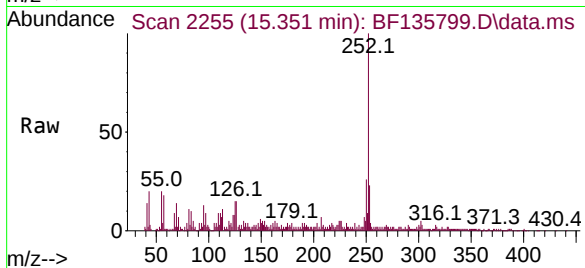
Tgt Ion:252 Resp: 76817

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.2

125 15.4 8.8 13.2#



#91

Dibenzo(a,h)anthracene

Concen: 2.038 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.018 min

Lab File: BF135799.D

Acq: 17 Oct 2023 02:59

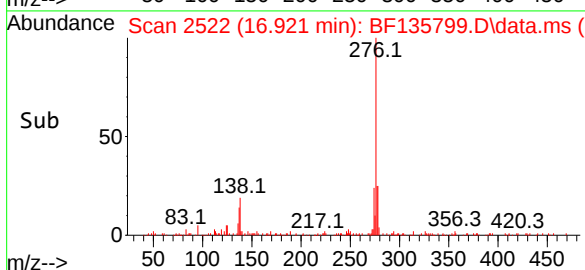
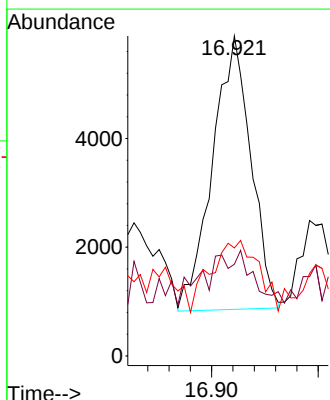
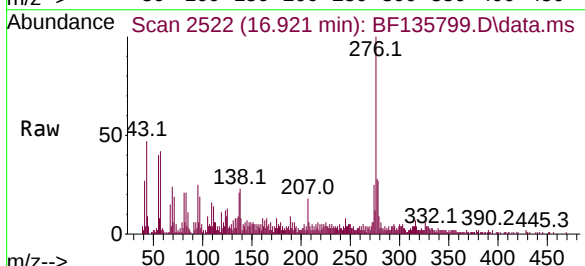
Tgt Ion:278 Resp: 12608

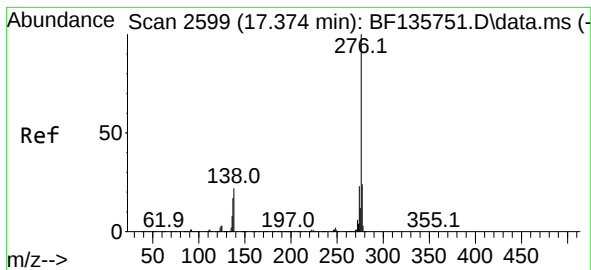
Ion Ratio Lower Upper

278 100

139 28.6 12.5 18.7#

279 33.8 18.6 27.8#





#92

Benzo(g,h,i)perylene

Concen: 6.380 ng

RT: 17.380 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135799.D

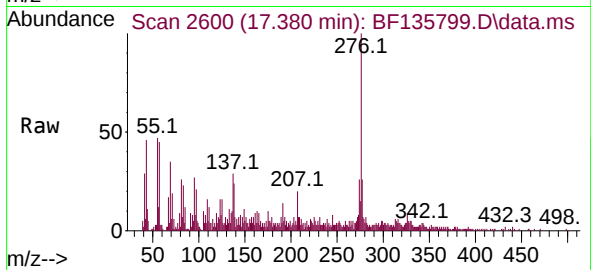
Acq: 17 Oct 2023 02:59

Instrument :

BNA_F

ClientSampleId :

TR-05-101123



Tgt Ion:276 Resp: 40538

Ion Ratio Lower Upper

276 100

277 26.2 19.4 29.2

138 24.4 17.3 25.9

