

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135219.D
 Acq On : 13 Sep 2023 11:55
 Operator : CG\JU
 Sample : 04299-06 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 12:34:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

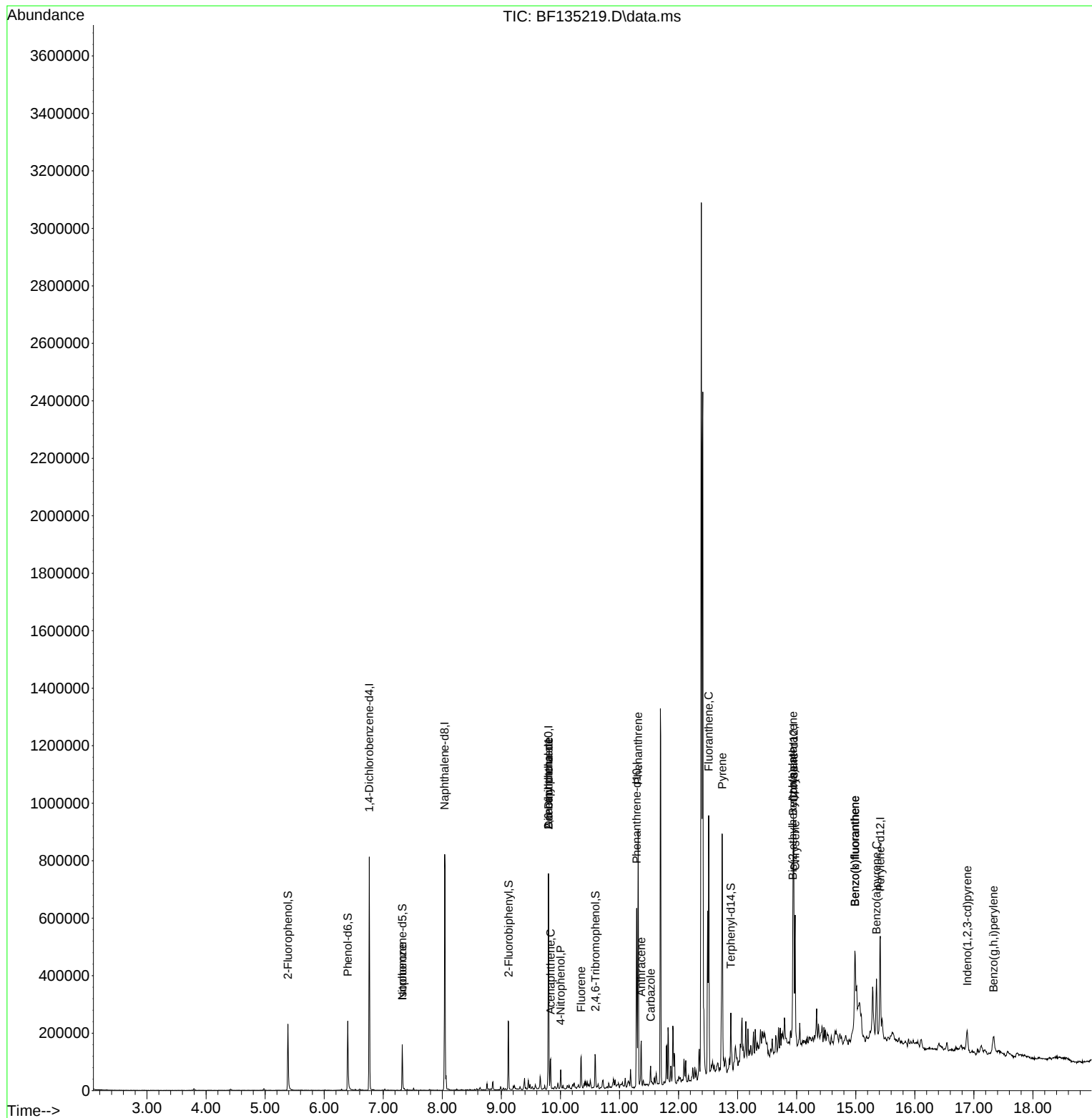
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	105646	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	366391	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	139241	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	217431	20.000	ng	0.00
76) Chrysene-d12	13.951	240	194028	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	173982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	63608	9.793	ng	0.00
7) Phenol-d6	6.398	99	73930	8.951	ng	0.00
23) Nitrobenzene-d5	7.322	82	41345	6.131	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	10863	7.851	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	75903	8.224	ng	0.00
79) Terphenyl-d14	12.886	244	60905	4.866	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.322	82	41344	3.339	ng	# 65
50) Dimethylphthalate	9.798	163	26566	2.822	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	18544	8.992	ng	# 17
52) Acenaphthene	9.833	154	21840	2.865	ng	96
56) 4-Nitrophenol	10.004	139	7252	4.714	ng	# 5
58) Fluorene	10.351	166	30477	3.408	ng	96
71) Phenanthrene	11.316	178	297386	28.919	ng	99
72) Anthracene	11.369	178	61819	5.848	ng	97
73) Carbazole	11.527	167	24068	2.501	ng	100
75) Fluoranthene	12.510	202	352124	32.862	ng	98
78) Pyrene	12.739	202	331771	17.960	ng	99
81) Benzo(a)anthracene	13.939	228	170645	13.620	ng	95
83) Chrysene	13.974	228	165340	13.273	ng	98
84) Bis(2-ethylhexyl)phtha...	13.933	149	14503	2.173	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	48911	4.288	ng	96
88) Benzo(b)fluoranthene	14.986	252	189992	20.173	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	189992	20.421	ng	# 97
90) Benzo(a)pyrene	15.351	252	98332	10.948	ng	99
92) Benzo(g,h,i)perylene	17.333	276	46232	4.743	ng	95

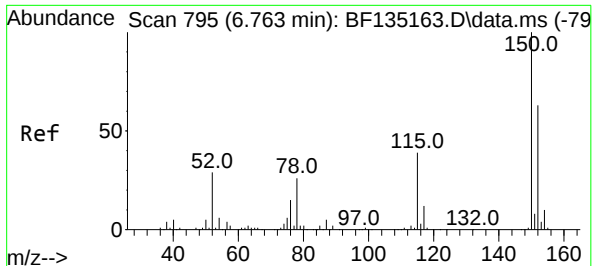
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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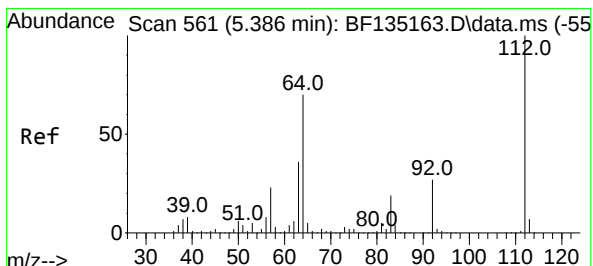
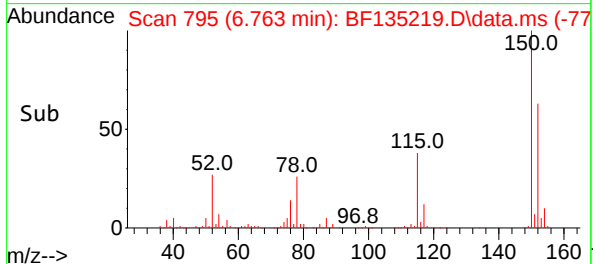
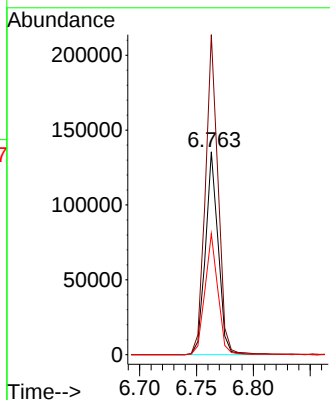
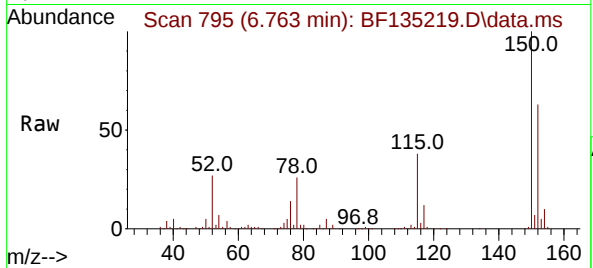




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

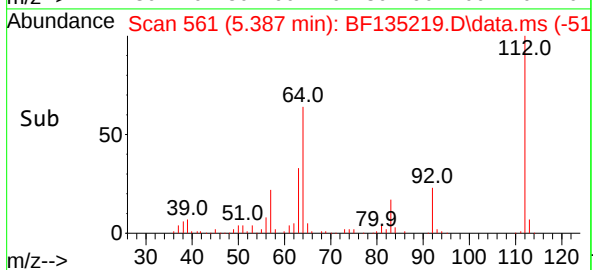
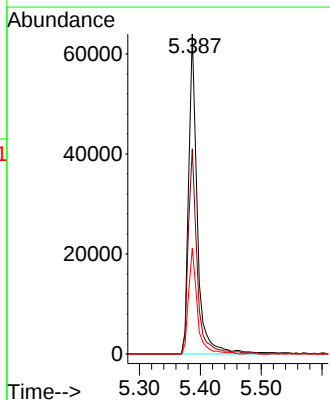
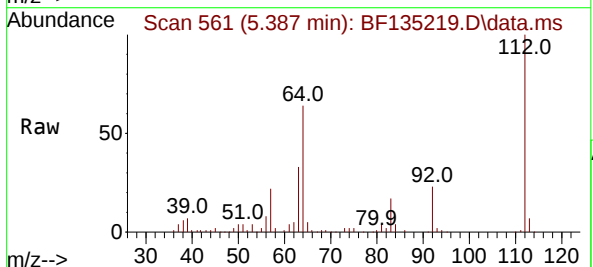
Instrument :
BNA_F
ClientSampleId :

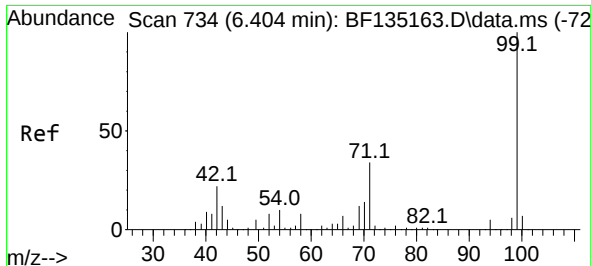
Tgt Ion:152 Resp: 105646
Ion Ratio Lower Upper
152 100
150 157.8 127.8 191.6
115 59.6 49.8 74.8



#5
2-Fluorophenol
Concen: 9.793 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:112 Resp: 63608
Ion Ratio Lower Upper
112 100
64 64.1 55.9 83.9
63 33.1 29.0 43.6

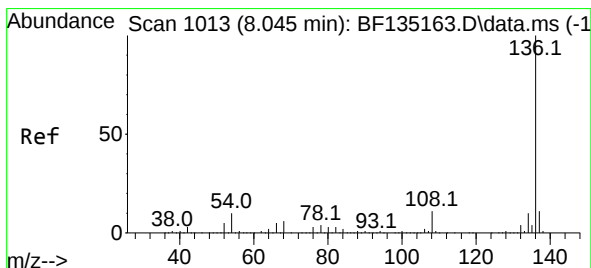
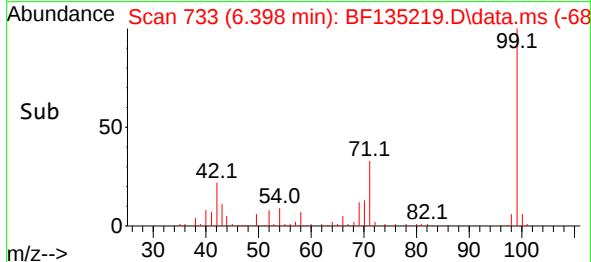
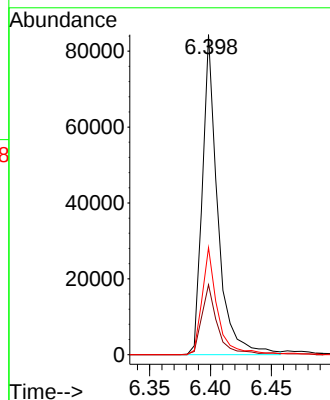
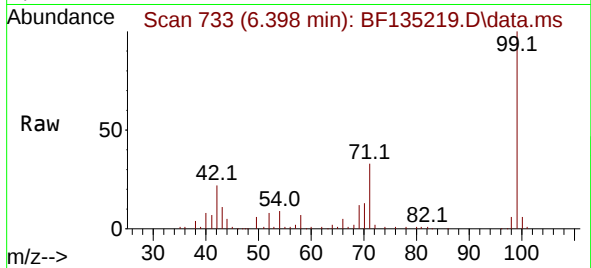




#7
Phenol-d6
Concen: 8.951 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

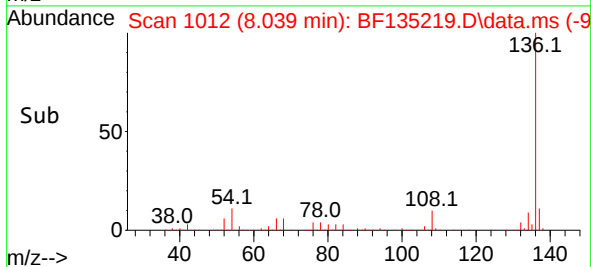
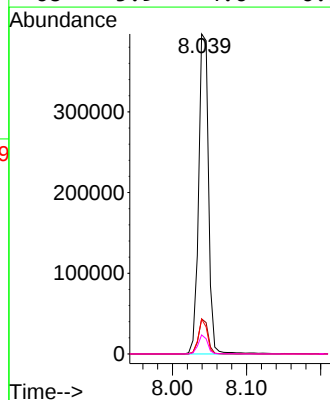
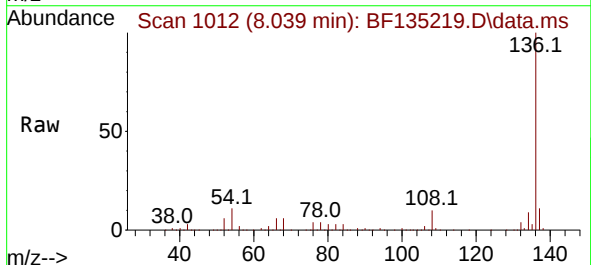
Instrument :
BNA_F
ClientSampleId :

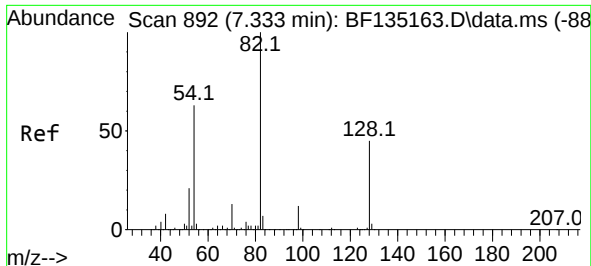
Tgt Ion: 99 Resp: 73930
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 33.4 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion: 136 Resp: 366391
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.9 7.7 11.5
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 6.131 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.012 min

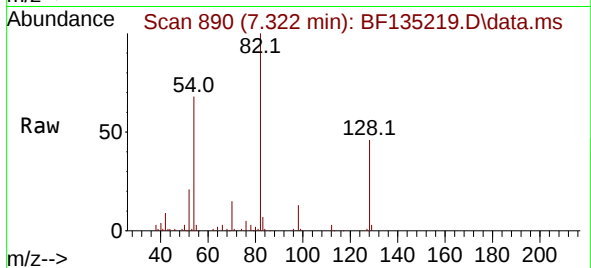
Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :



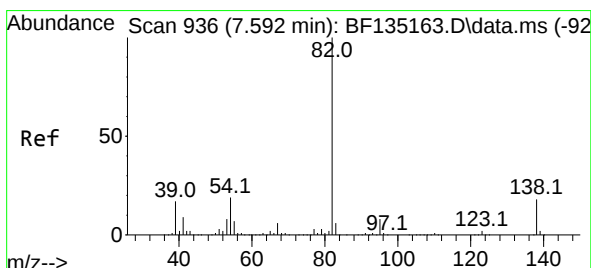
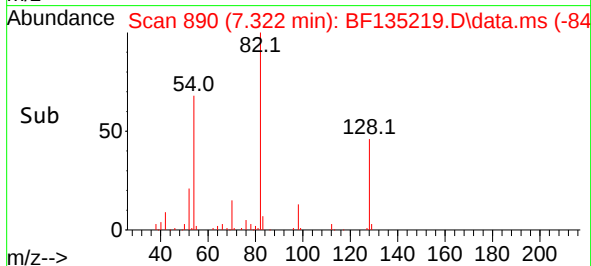
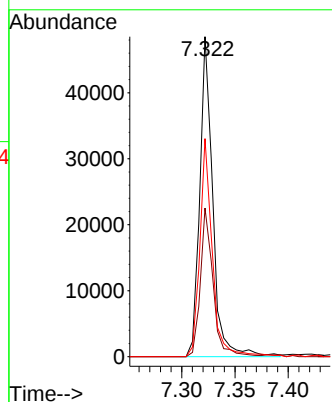
Tgt Ion: 82 Resp: 41345

Ion Ratio Lower Upper

82 100

128 46.4 35.8 53.6

54 68.2 50.6 76.0



#25

Isophorone

Concen: 3.339 ng

RT: 7.322 min Scan# 890

Delta R.T. -0.270 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

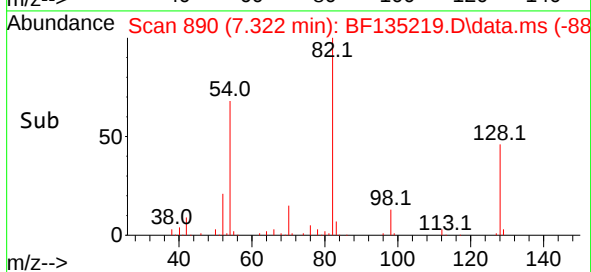
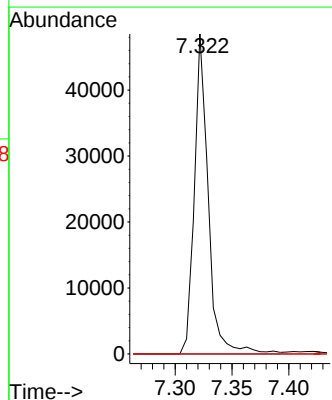
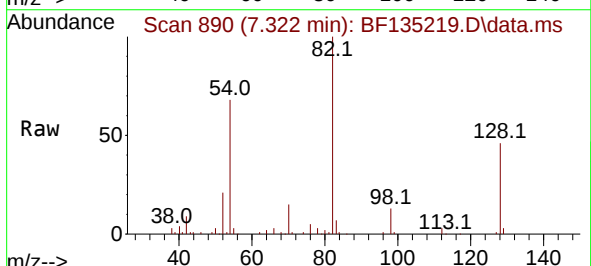
Tgt Ion: 82 Resp: 41344

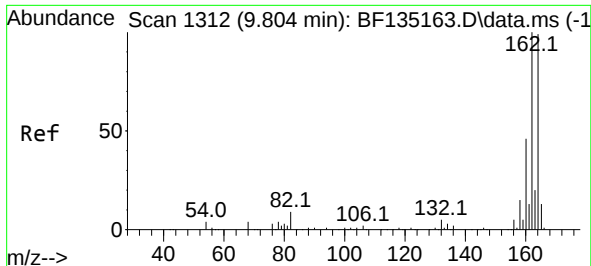
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

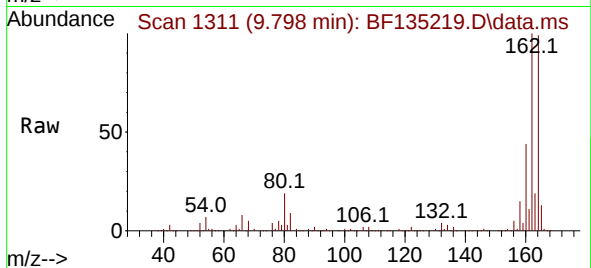
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Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :



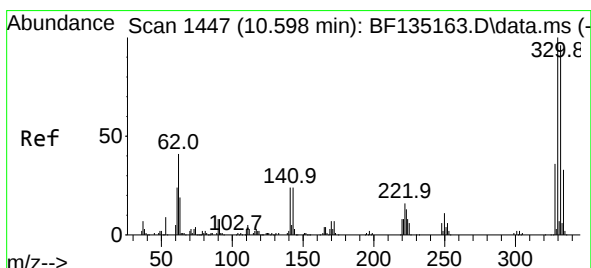
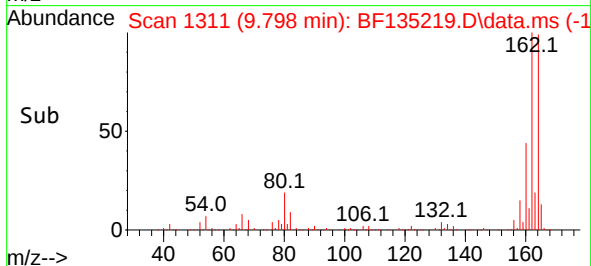
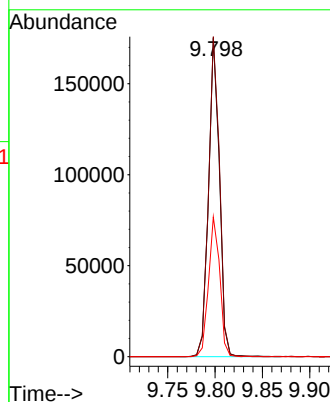
Tgt Ion:164 Resp: 139241

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.4

160 43.9 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 7.851 ng

RT: 10.592 min Scan# 1446

Delta R.T. -0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

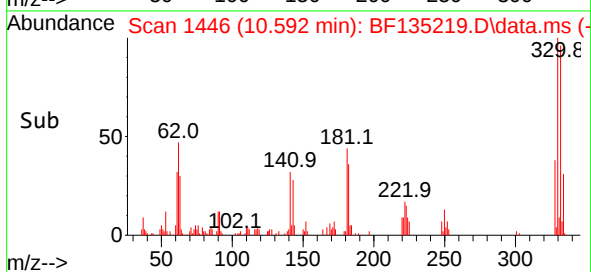
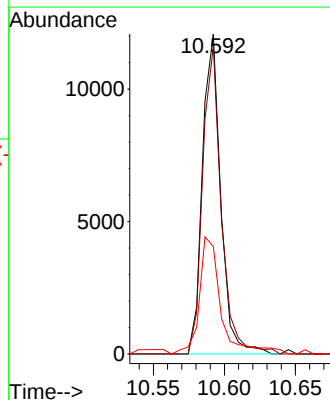
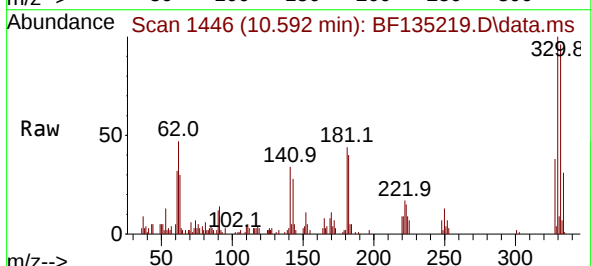
Tgt Ion:330 Resp: 10863

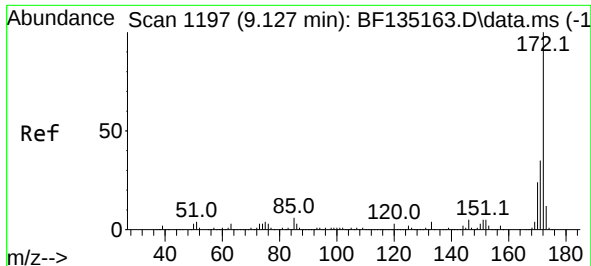
Ion Ratio Lower Upper

330 100

332 97.2 77.3 115.9

141 42.9 25.8 38.8#





#45

2-Fluorobiphenyl

Concen: 8.224 ng

RT: 9.122 min Scan# 1197

Delta R.T. -0.006 min

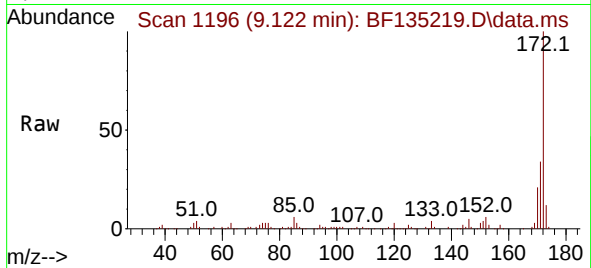
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Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :



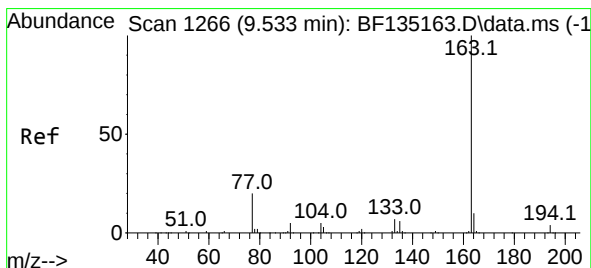
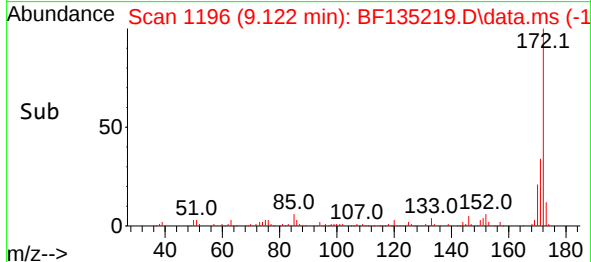
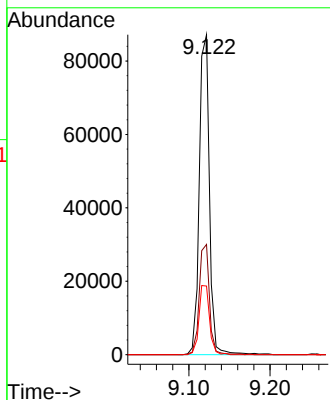
Tgt Ion:172 Resp: 75903

Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 21.4 19.0 28.4



#50

Dimethylphthalate

Concen: 2.822 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.265 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

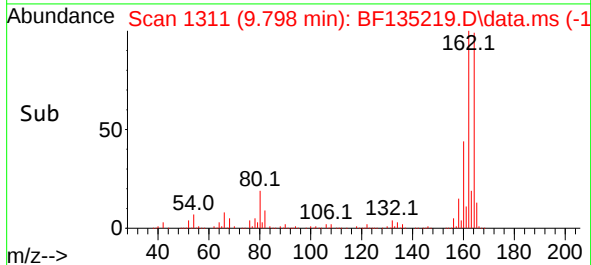
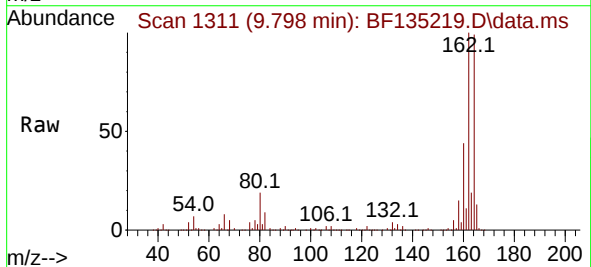
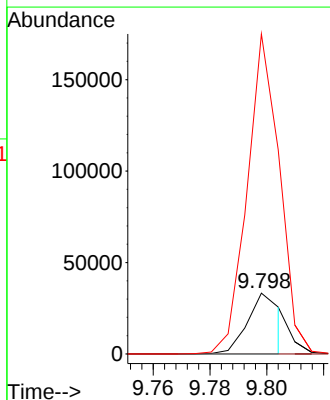
Tgt Ion:163 Resp: 26566

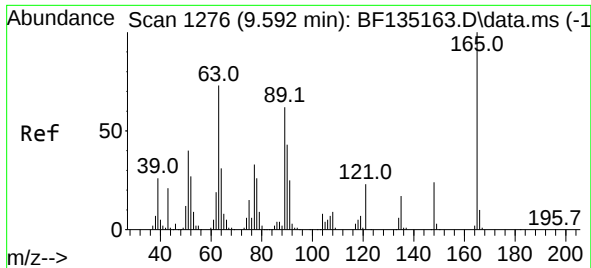
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 525.8 8.1 12.1#

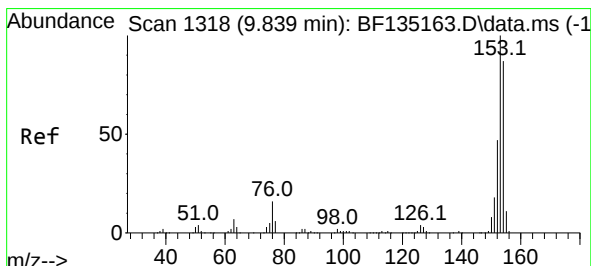
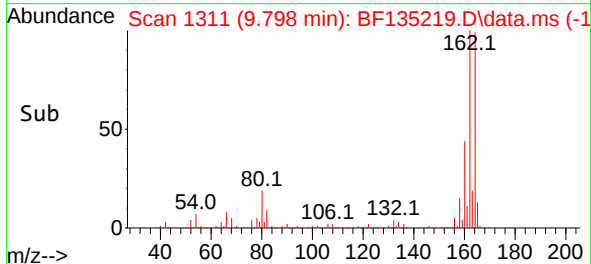
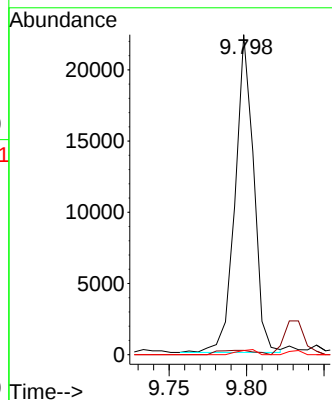
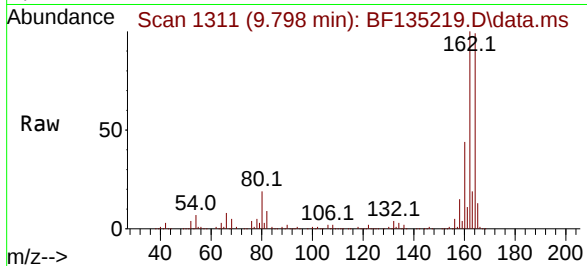




#51
2,6-Dinitrotoluene
Concen: 8.992 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

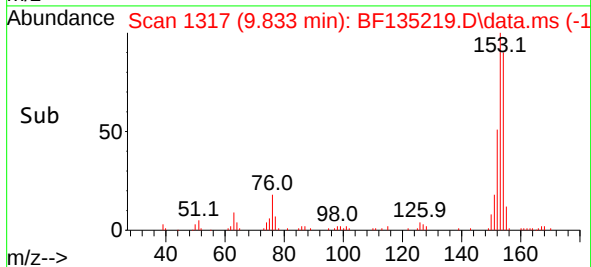
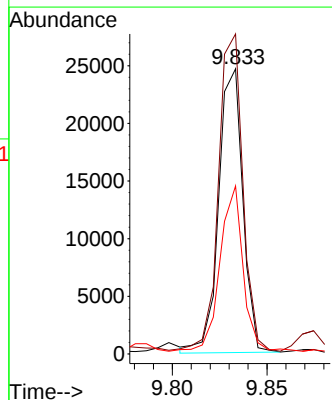
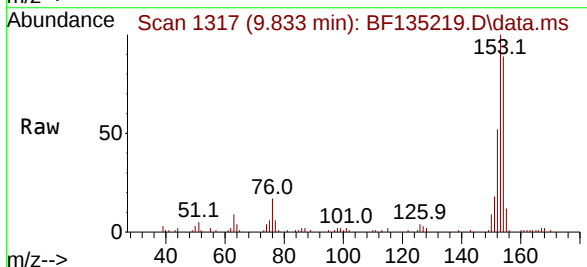
Instrument :
BNA_F
ClientSampleId :

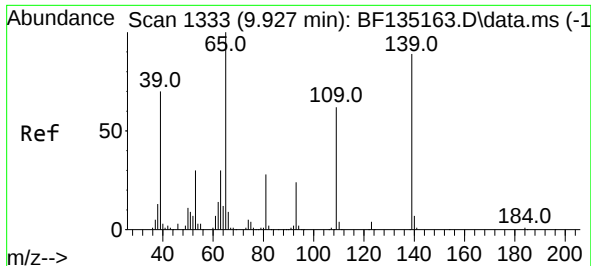
Tgt Ion:165 Resp: 18544
Ion Ratio Lower Upper
165 100
63 1.3 59.4 89.2#
89 1.3 49.8 74.8#



#52
Acenaphthene
Concen: 2.865 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:154 Resp: 21840
Ion Ratio Lower Upper
154 100
153 112.2 92.1 138.1
152 58.9 43.1 64.7

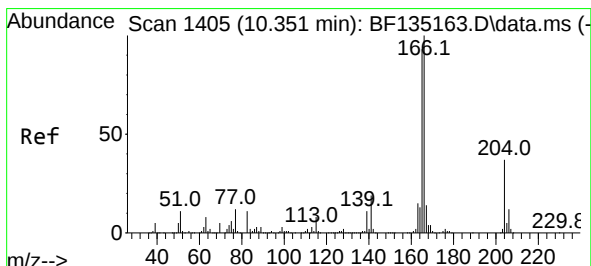
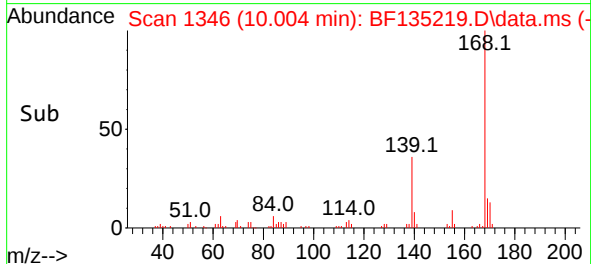
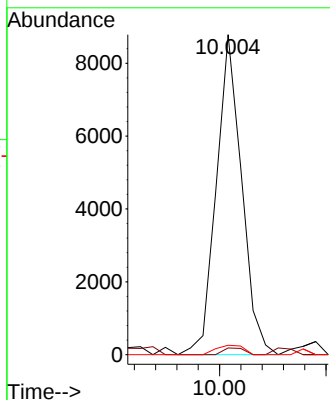
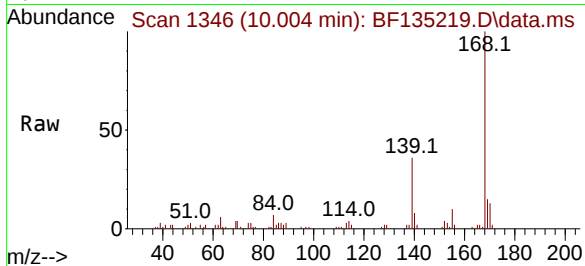




#56
4-Nitrophenol
Concen: 4.714 ng
RT: 10.004 min Scan# 1333
Delta R.T. 0.077 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

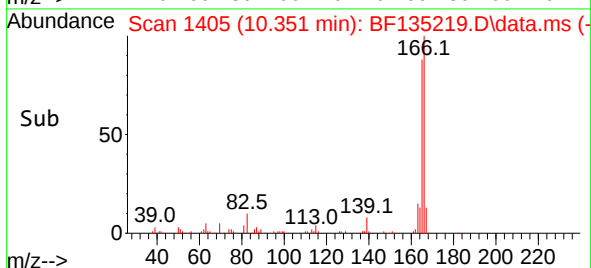
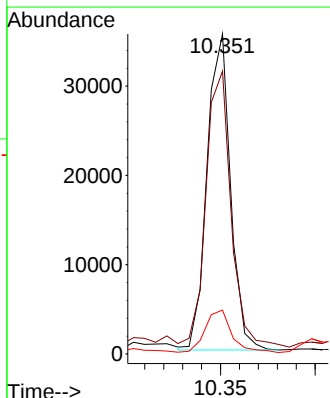
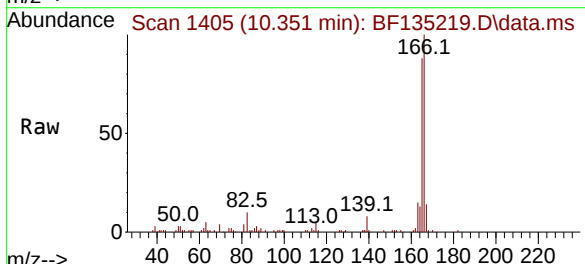
Instrument :
BNA_F
ClientSampleId :

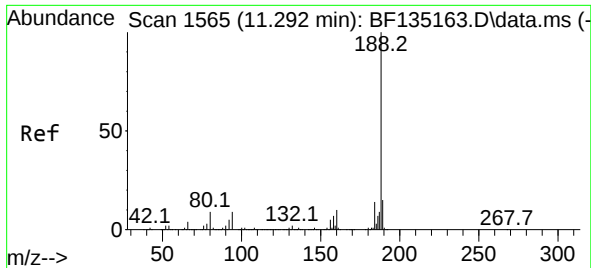
Tgt Ion:139 Resp: 7252
Ion Ratio Lower Upper
139 100
109 2.1 49.8 89.8#
65 2.9 92.7 132.7#



#58
Fluorene
Concen: 3.408 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:166 Resp: 30477
Ion Ratio Lower Upper
166 100
165 88.4 74.3 111.5
167 13.7 10.9 16.3

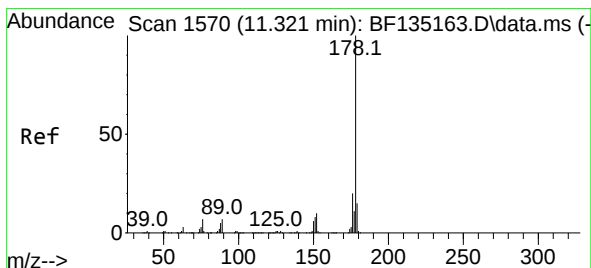
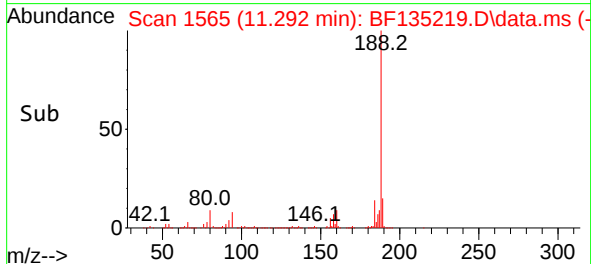
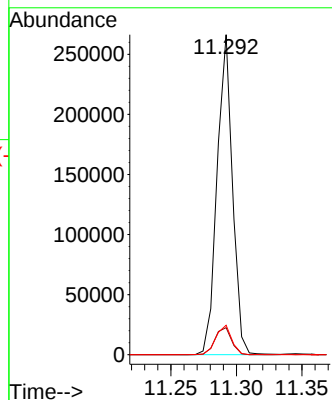
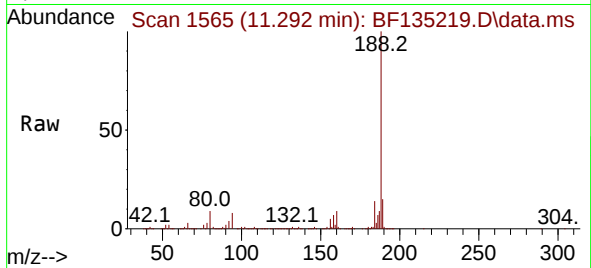




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

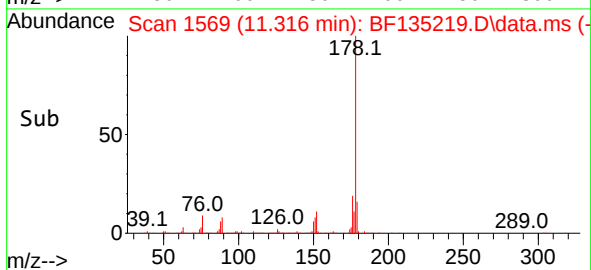
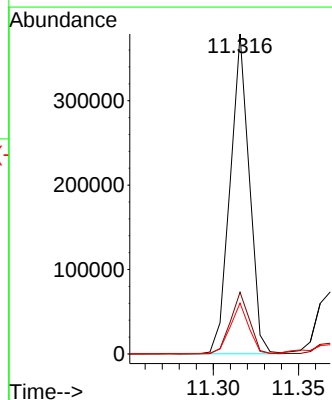
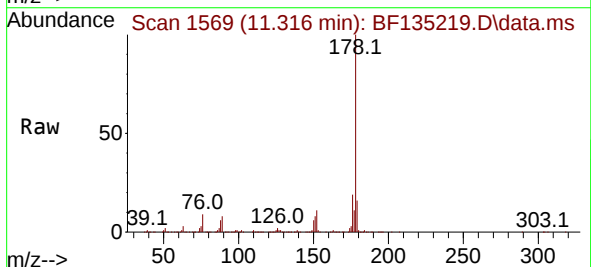
Instrument :
BNA_F
ClientSampleId :

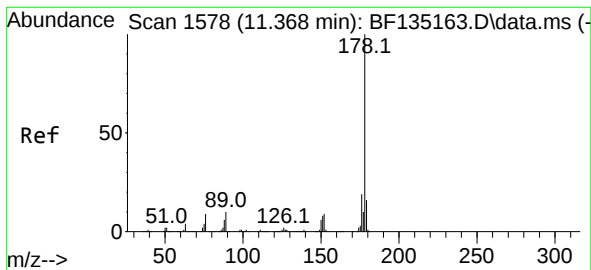
Tgt Ion:188 Resp: 217431
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.2 7.5 11.3



#71
Phenanthrene
Concen: 28.919 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:178 Resp: 297386
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.9 12.0 18.0





#72

Anthracene

Concen: 5.848 ng

RT: 11.369 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

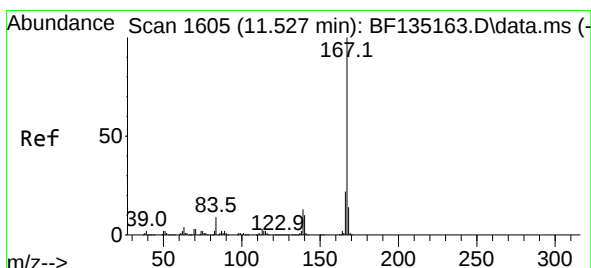
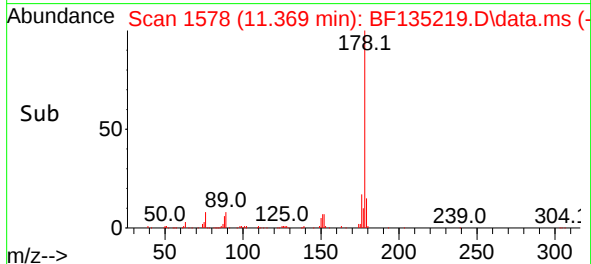
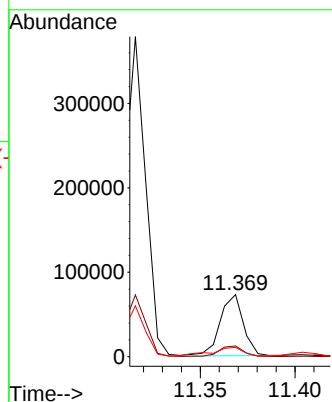
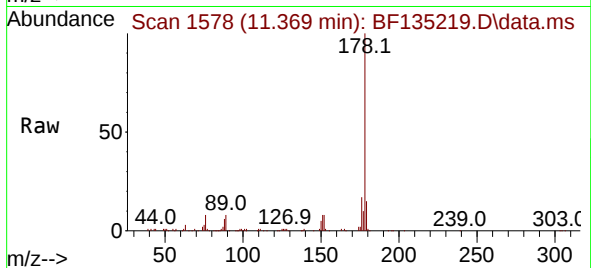
Tgt Ion:178 Resp: 61819

Ion Ratio Lower Upper

178 100

176 17.2 15.4 23.2

179 15.0 12.6 19.0



#73

Carbazole

Concen: 2.501 ng

RT: 11.527 min Scan# 1605

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

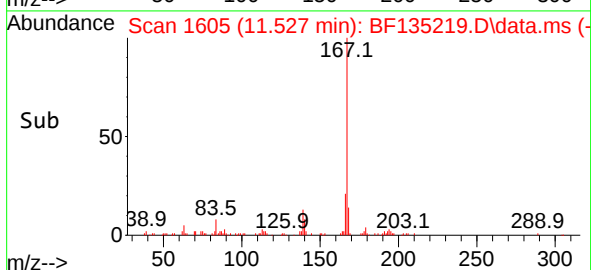
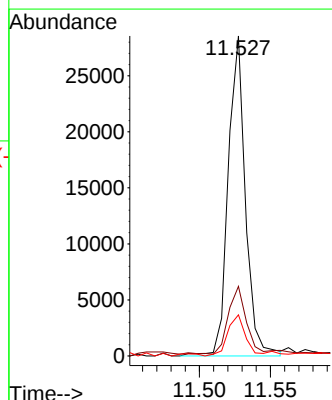
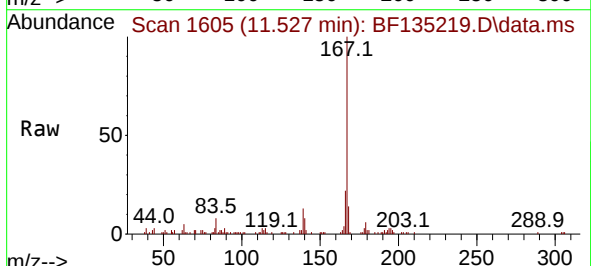
Tgt Ion:167 Resp: 24068

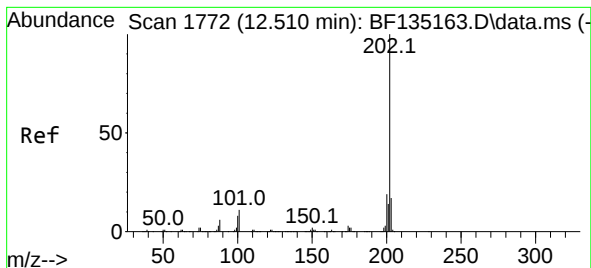
Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.0

139 12.9 10.6 15.8





#75

Fluoranthene

Concen: 32.862 ng

RT: 12.510 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135219.D

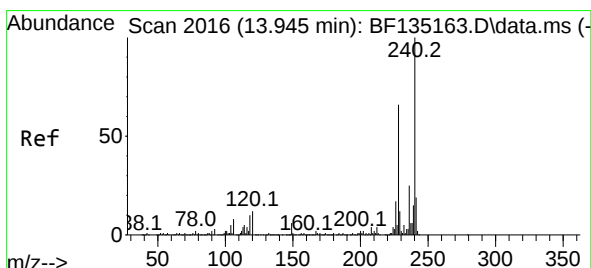
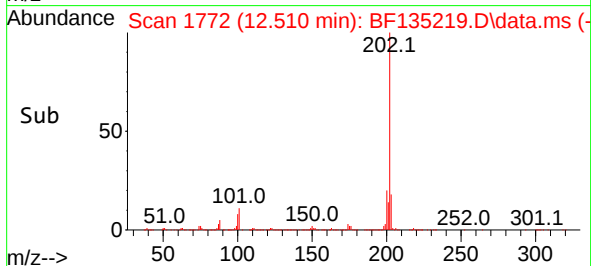
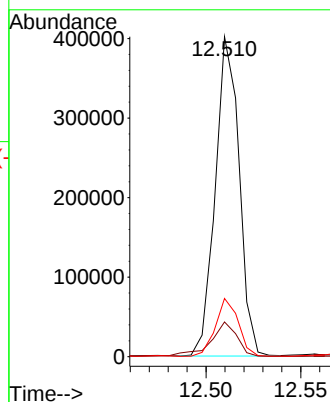
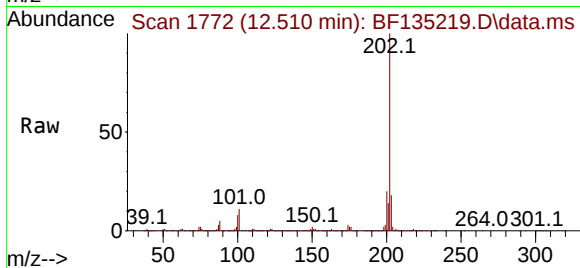
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	202	Resp:	352124
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.3
203	18.2	0.0	37.4



#76

Chrysene-d12

Concen: 20.000 ng

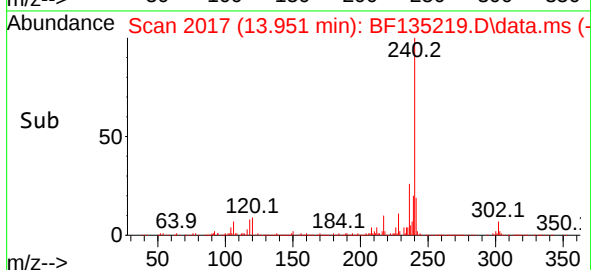
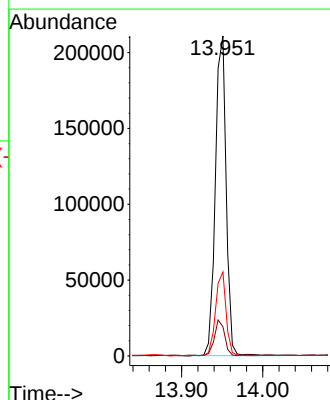
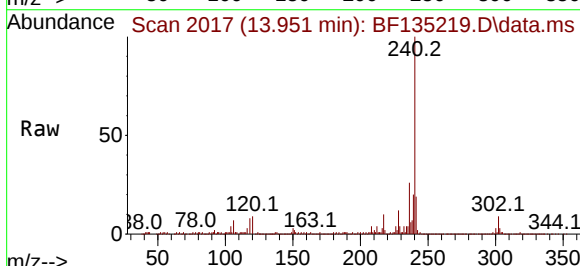
RT: 13.951 min Scan# 2017

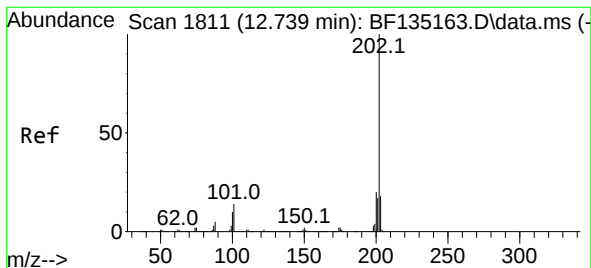
Delta R.T. 0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Tgt Ion:	240	Resp:	194028
Ion Ratio	Lower	Upper	
240	100		
120	9.2	9.4	14.2#
236	26.2	19.8	29.8





#78

Pyrene

Concen: 17.960 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

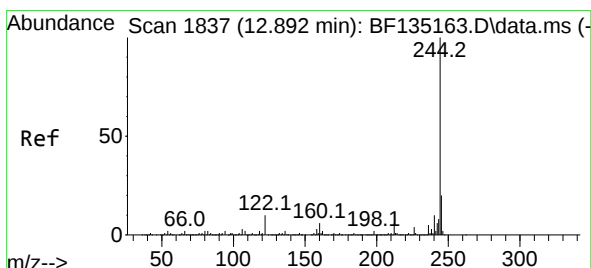
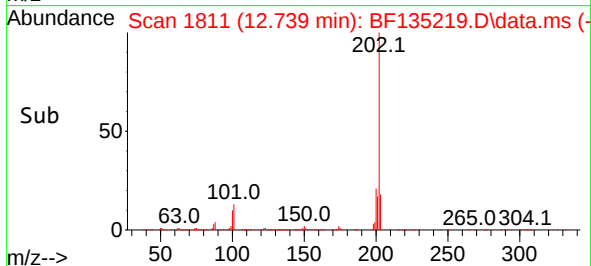
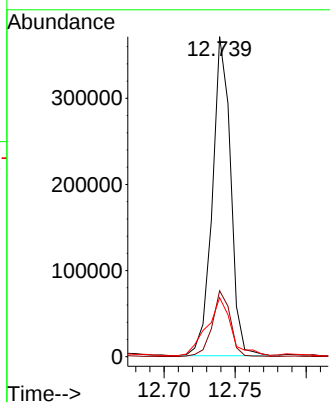
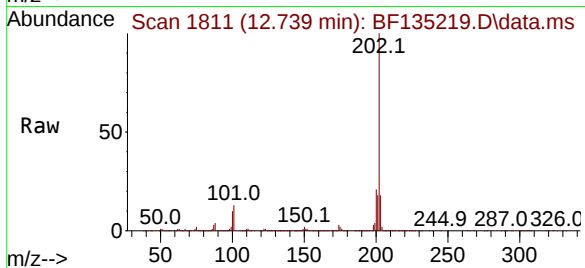
Tgt Ion:202 Resp: 331771

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 18.4 14.2 21.4



#79

Terphenyl-d14

Concen: 4.866 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

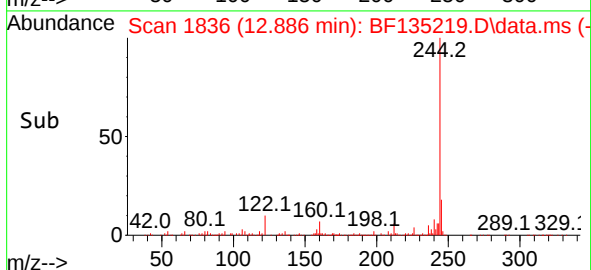
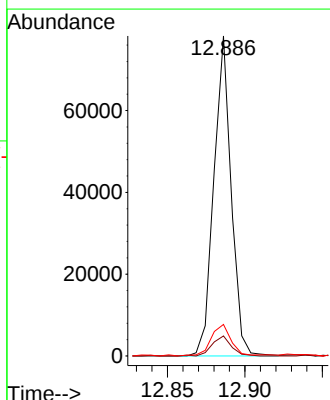
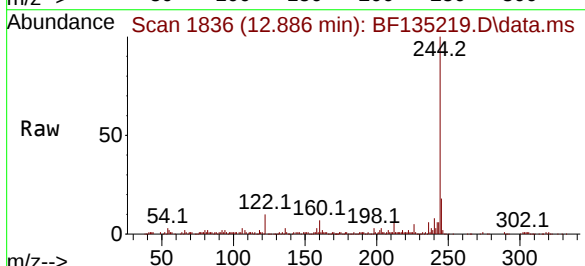
Tgt Ion:244 Resp: 60905

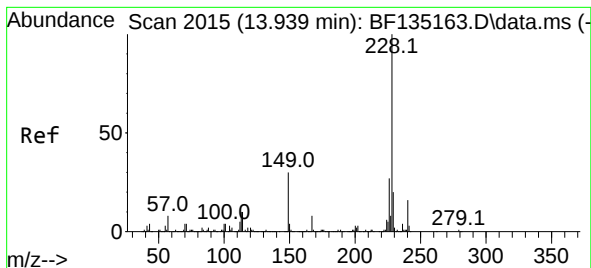
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 9.9 7.9 11.9





#81

Benzo(a)anthracene

Concen: 13.620 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

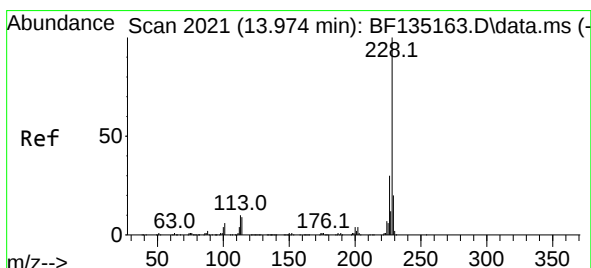
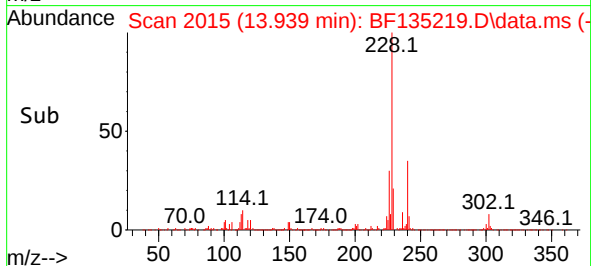
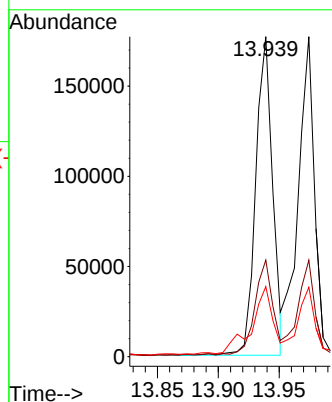
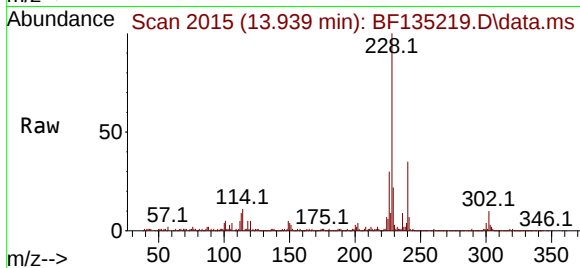
Tgt Ion:228 Resp: 170645

Ion Ratio Lower Upper

228 100

226 30.2 21.7 32.5

229 21.9 15.8 23.8



#83

Chrysene

Concen: 13.273 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

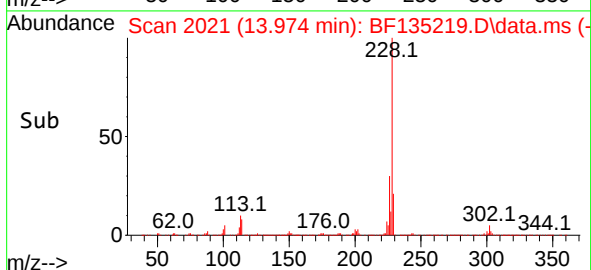
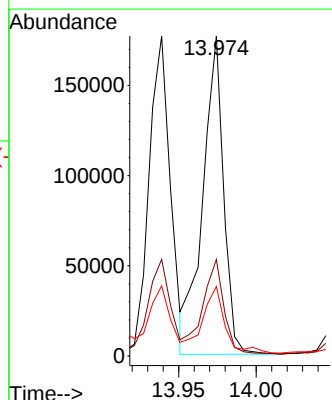
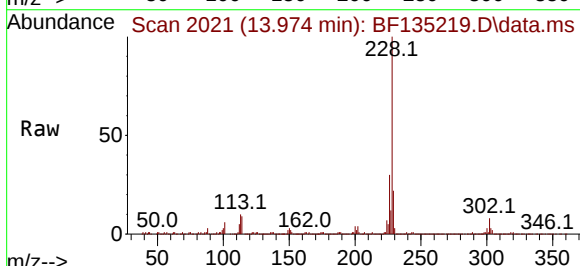
Tgt Ion:228 Resp: 165340

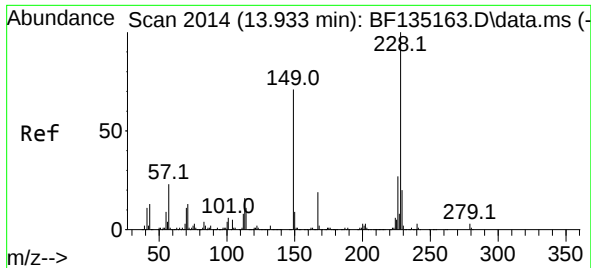
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 21.7 16.0 24.0

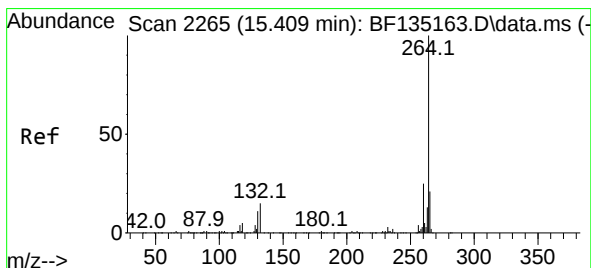
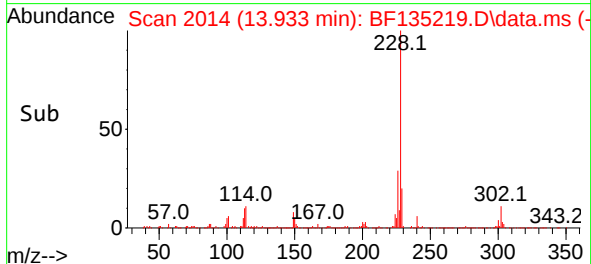
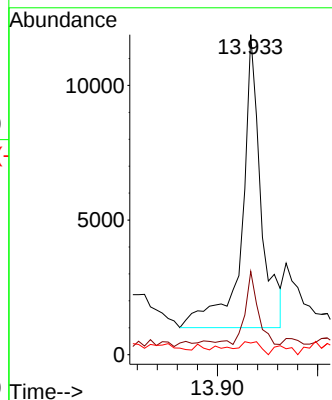
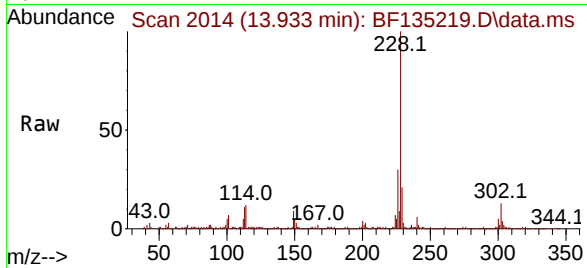




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.173 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

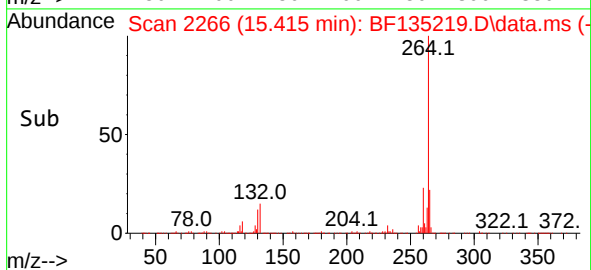
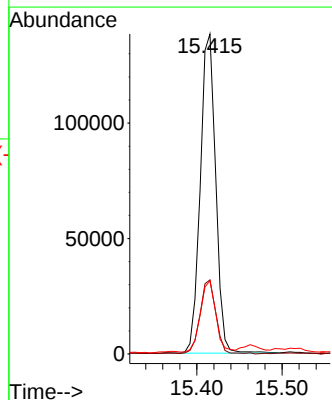
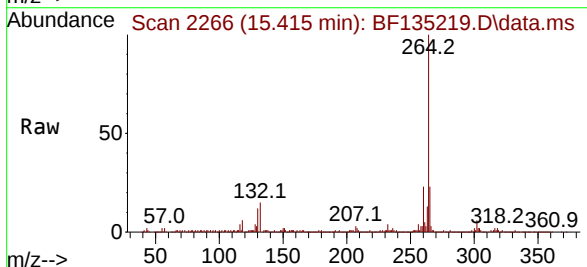
Instrument :
BNA_F
ClientSampleId :

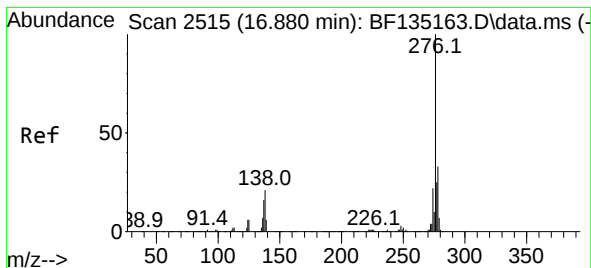
Tgt Ion:149 Resp: 14503
Ion Ratio Lower Upper
149 100
167 26.0 21.9 32.9
279 3.6 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF135219.D
Acq: 13 Sep 2023 11:55

Tgt Ion:264 Resp: 173982
Ion Ratio Lower Upper
264 100
260 23.2 19.8 29.6
265 22.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.288 ng

RT: 16.886 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

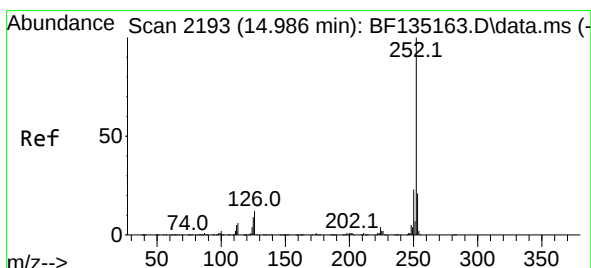
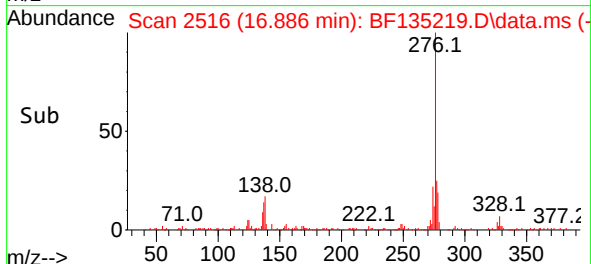
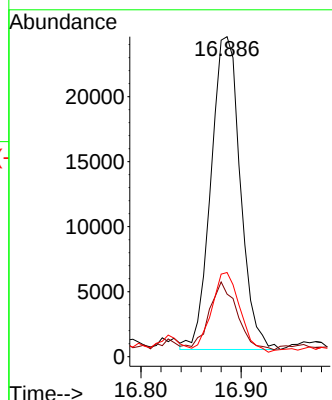
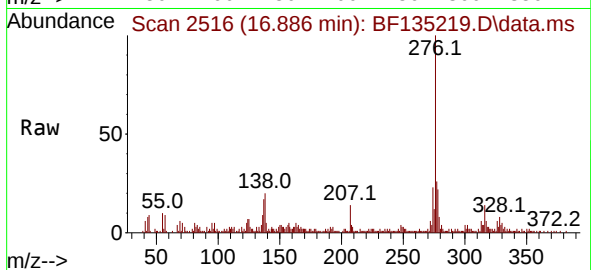
Tgt Ion:276 Resp: 48911

Ion Ratio Lower Upper

276 100

138 20.3 19.2 28.8

277 24.5 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 20.173 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

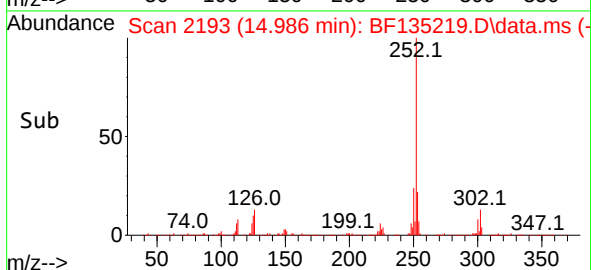
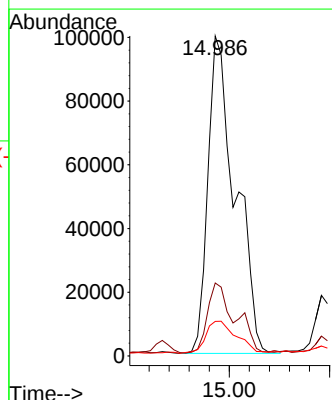
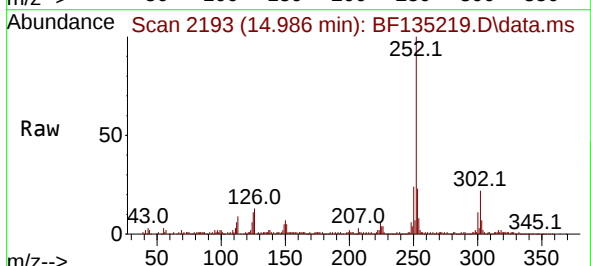
Tgt Ion:252 Resp: 189992

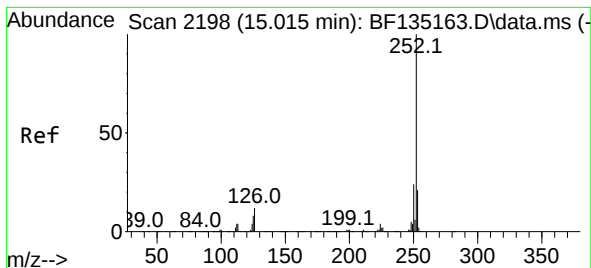
Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 10.8 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 20.421 ng

RT: 14.986 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF135219.D

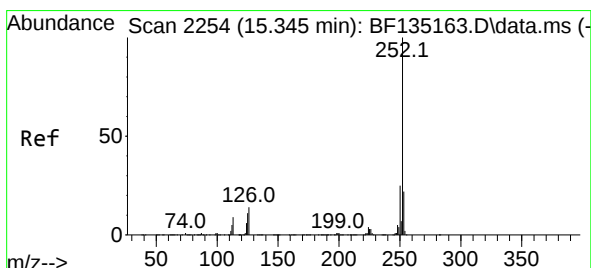
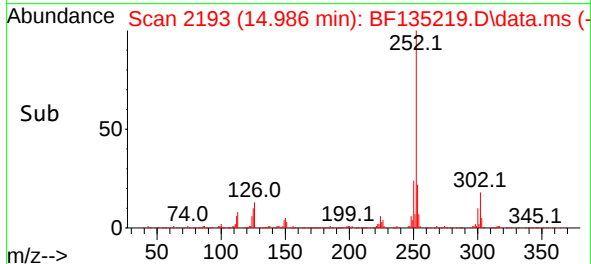
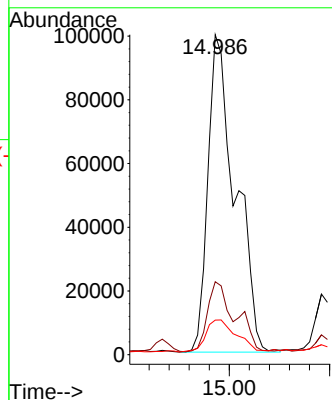
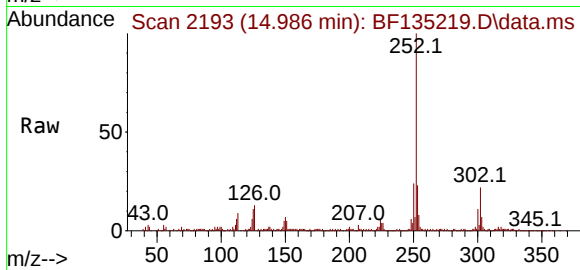
Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252 Resp: 189992
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.4 26.0
 125 10.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 10.948 ng

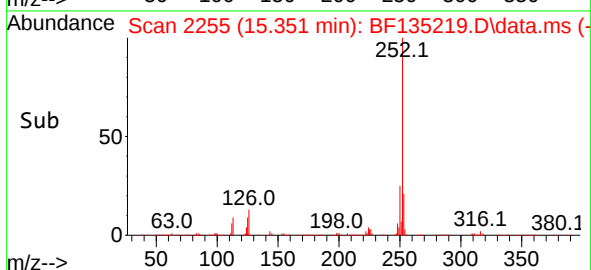
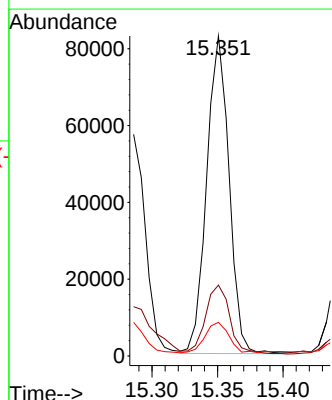
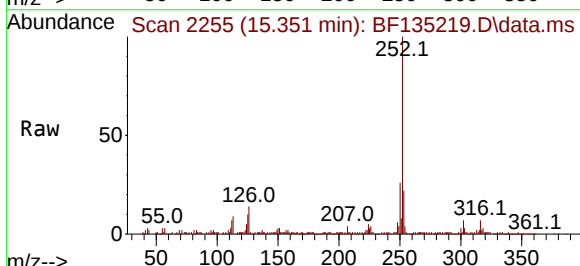
RT: 15.351 min Scan# 2255

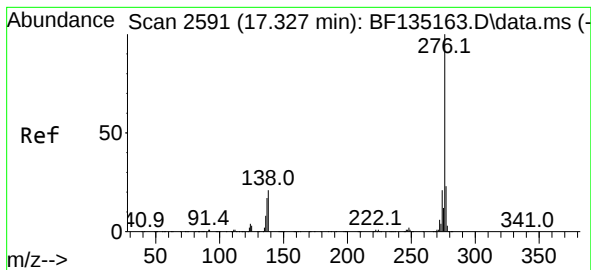
Delta R.T. 0.006 min

Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Tgt Ion:252 Resp: 98332
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 10.5 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 4.743 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

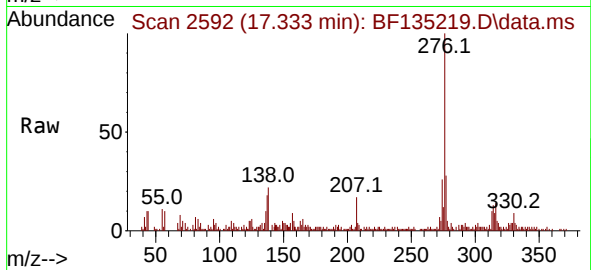
Lab File: BF135219.D

Acq: 13 Sep 2023 11:55

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 46232

Ion Ratio Lower Upper

276 100

277 28.0 18.8 28.2

138 21.7 16.9 25.3

