

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135271.D
 Acq On : 15 Sep 2023 00:21
 Operator : CG\JU
 Sample : 04299-08DL2 500X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMPDL2

Quant Time: Sep 15 01:40:15 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)

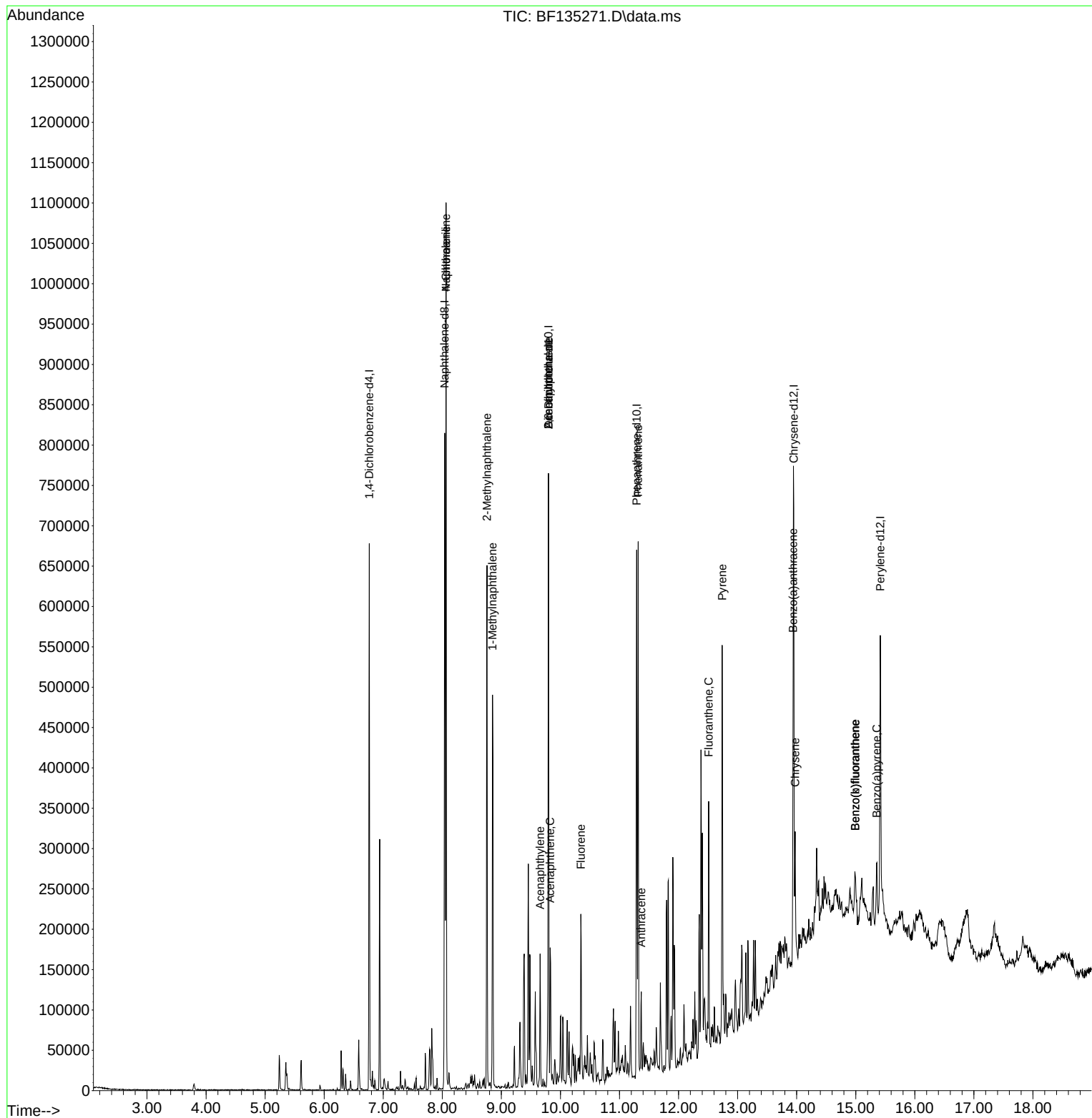
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	91753	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	327503	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	139477	20.000	ng	0.00
64) Phenanthrene-d10	11.292	188	231231	20.000	ng	0.00
76) Chrysene-d12	13.951	240	195061	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	170541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	550	0.097	ng	0.02
7) Phenol-d6	6.416	99	908	0.127	ng	0.01
23) Nitrobenzene-d5	7.328	82	718	0.119	ng	0.00
42) 2,4,6-Tribromophenol	10.592	330	222	0.160	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	2351	0.254	ng	-0.01
79) Terphenyl-d14	12.886	244	2628	0.209	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.063	128	407409	25.603	ng	99
33) 4-Chloroaniline	8.063	127	52492	7.519	ng	# 32
37) 2-Methylnaphthalene	8.757	142	165794	15.500	ng	100
38) 1-Methylnaphthalene	8.851	142	124021	12.384	ng	99
49) Acenaphthylene	9.657	152	33506	2.592	ng	# 93
50) Dimethylphthalate	9.798	163	27311	2.896	ng	# 1
51) 2,6-Dinitrotoluene	9.798	165	20454	9.901	ng	# 17
52) Acenaphthene	9.828	154	34113	4.468	ng	99
58) Fluorene	10.345	166	56596	6.319	ng	99
71) Phenanthrene	11.316	178	224669	20.544	ng	99
72) Anthracene	11.369	178	38282	3.405	ng	100
75) Fluoranthene	12.510	202	105693	9.275	ng	97
78) Pyrene	12.739	202	193578	10.424	ng	99
81) Benzo(a)anthracene	13.939	228	63157	5.014	ng	# 86
83) Chrysene	13.974	228	59803	4.775	ng	# 95
88) Benzo(b)fluoranthene	14.992	252	43475	4.709	ng	# 89
89) Benzo(k)fluoranthene	14.992	252	43475	4.767	ng	# 89
90) Benzo(a)pyrene	15.357	252	36845	4.185	ng	94

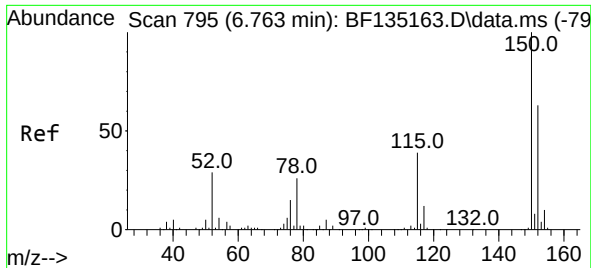
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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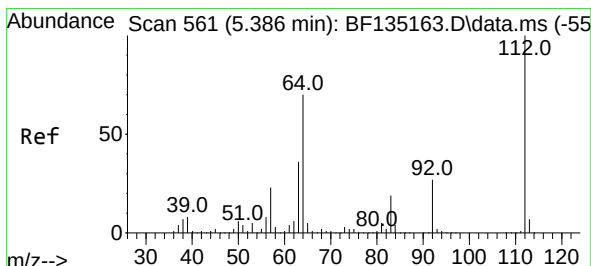
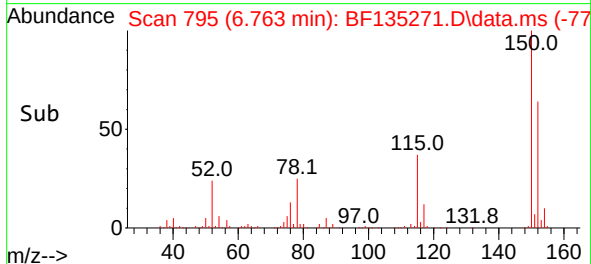
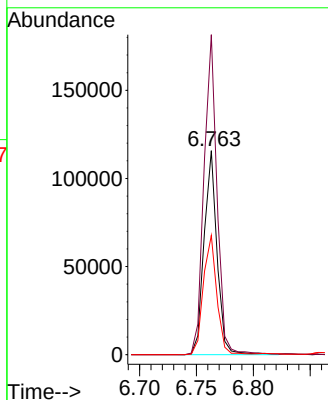
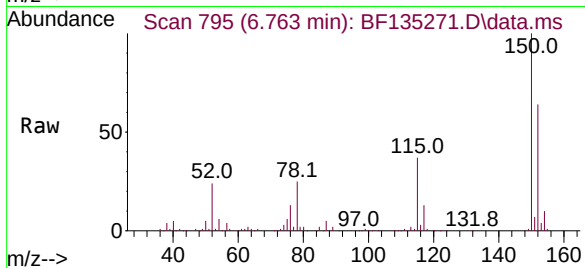




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

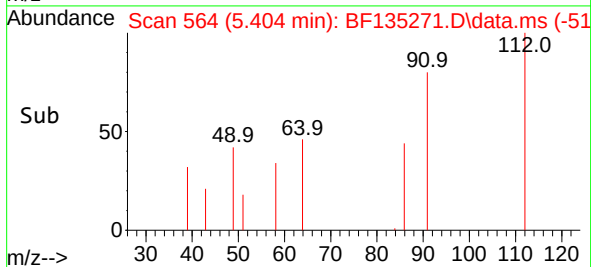
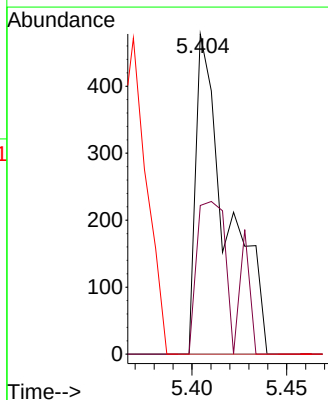
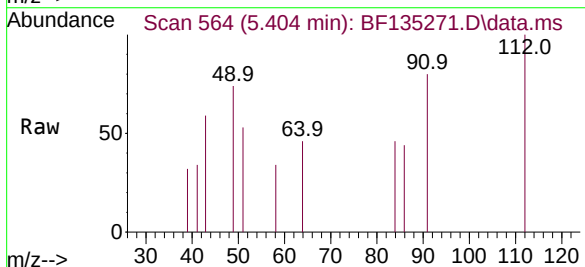
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2

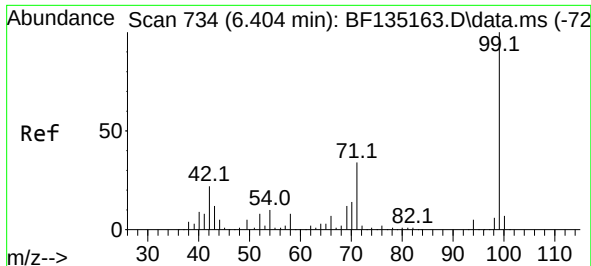
Tgt Ion:152 Resp: 91753
Ion Ratio Lower Upper
152 100
150 156.9 127.8 191.6
115 58.5 49.8 74.8



#5
2-Fluorophenol
Concen: 0.097 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Tgt Ion:112 Resp: 550
Ion Ratio Lower Upper
112 100
64 46.4 55.9 83.9#
63 0.0 29.0 43.6#

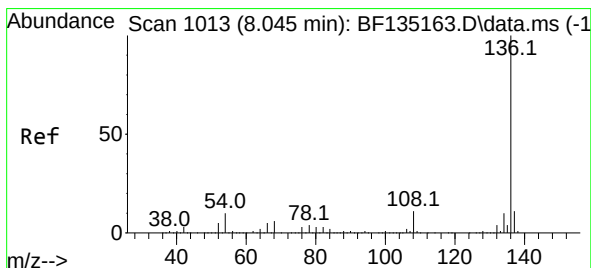
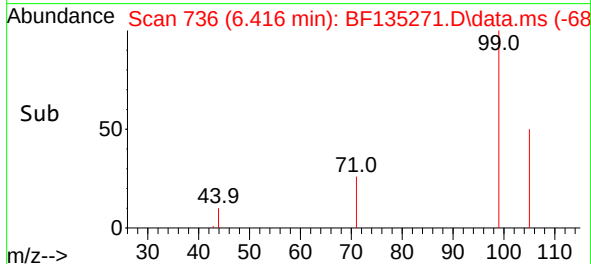
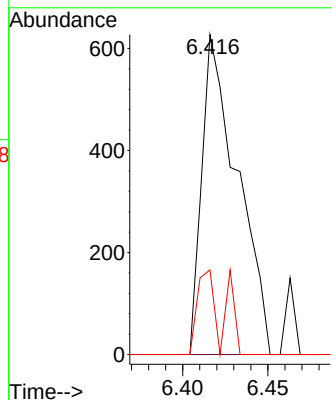
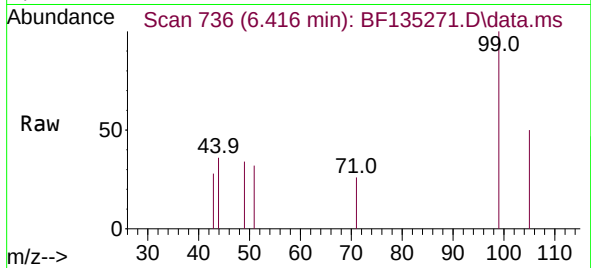




#7
Phenol-d6
Concen: 0.127 ng
RT: 6.416 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

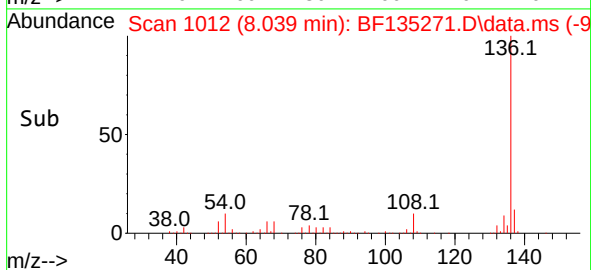
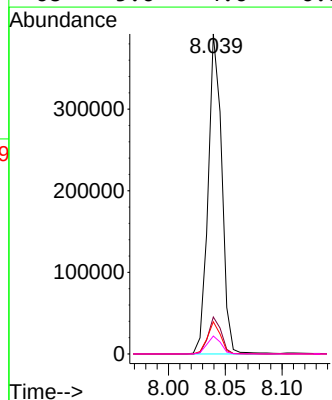
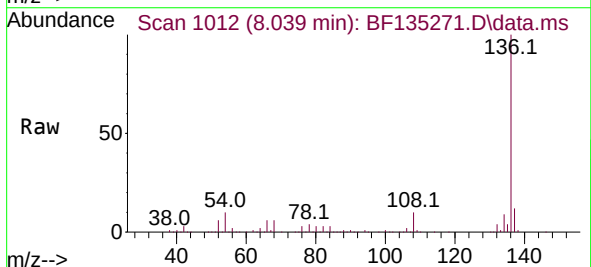
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2

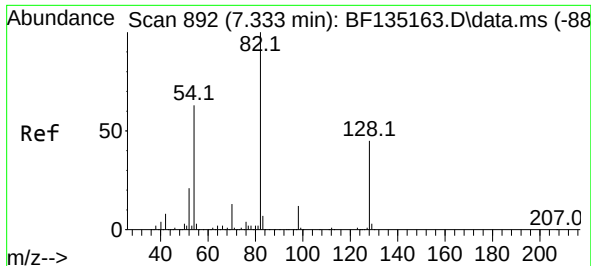
Tgt Ion: 99 Resp: 908
Ion Ratio Lower Upper
99 100
42 0.0 17.9 26.9#
71 26.5 27.0 40.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Tgt Ion: 136 Resp: 327503
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 10.1 7.7 11.5
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 0.119 ng

RT: 7.328 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF135271.D

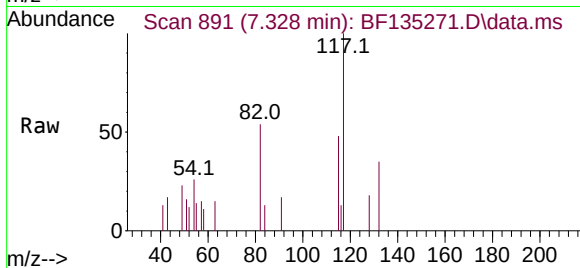
Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2



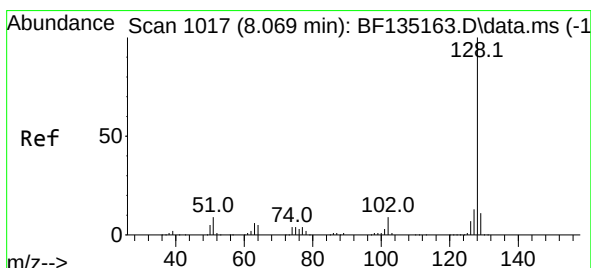
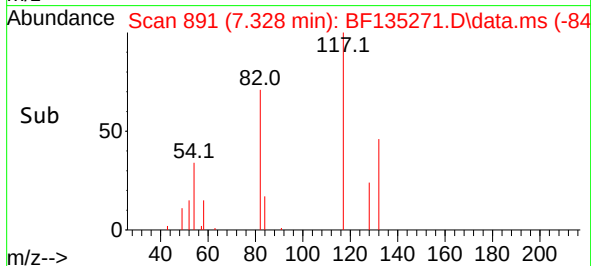
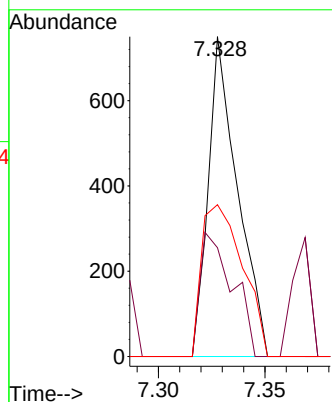
Tgt Ion: 82 Resp: 718

Ion Ratio Lower Upper

82 100

128 34.0 35.8 53.6#

54 47.5 50.6 76.0#



#31

Naphthalene

Concen: 25.603 ng

RT: 8.063 min Scan# 1016

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

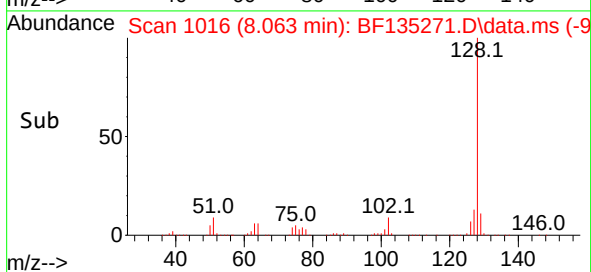
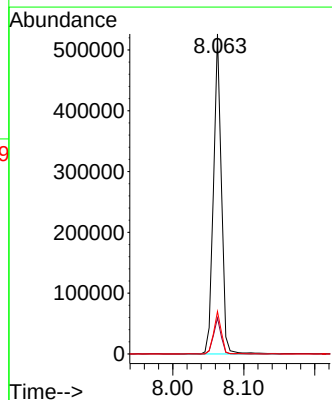
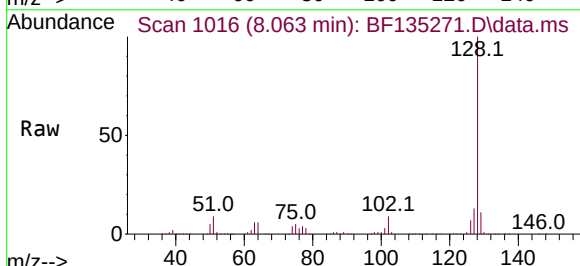
Tgt Ion: 128 Resp: 407409

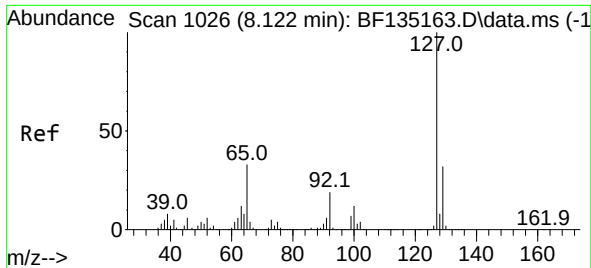
Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

127 13.3 10.7 16.1

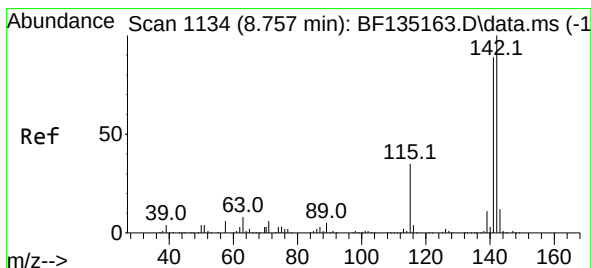
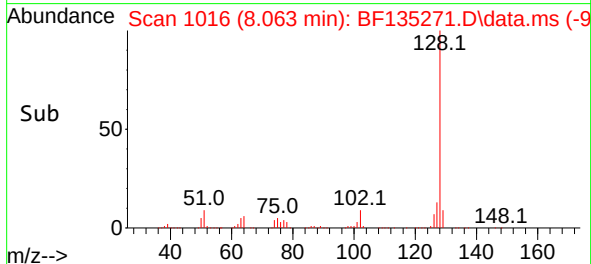
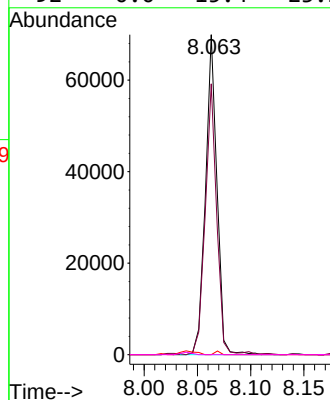
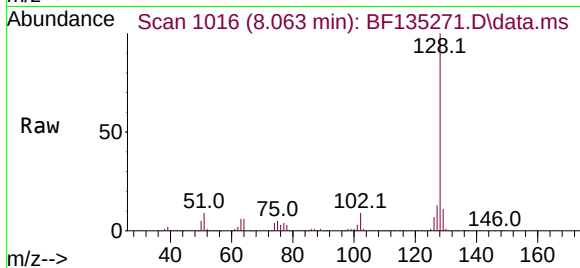




#33
4-Chloroaniline
Concen: 7.519 ng
RT: 8.063 min Scan# 1026
Delta R.T. -0.059 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

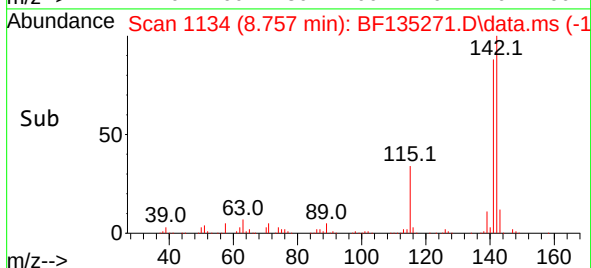
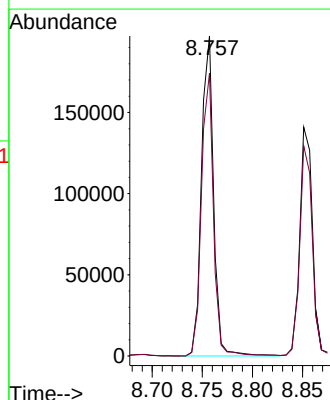
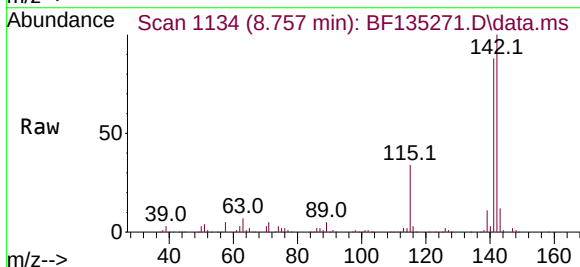
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2

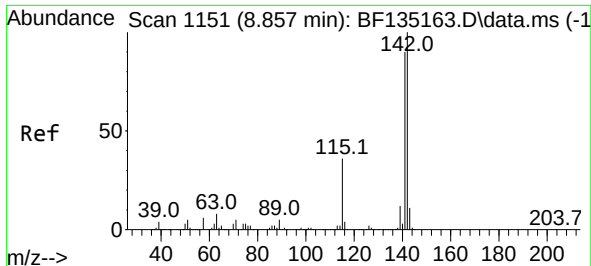
Tgt Ion:	127	Resp:	52492
Ion Ratio	Lower	Upper	
127	100		
129	84.7	25.8	38.8#
65	0.0	26.6	39.8#
92	0.0	15.4	23.2#



#37
2-Methylnaphthalene
Concen: 15.500 ng
RT: 8.757 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Tgt Ion:	142	Resp:	165794
Ion Ratio	Lower	Upper	
142	100		
141	88.4	71.0	106.6





#38

1-Methylnaphthalene

Concen: 12.384 ng

RT: 8.851 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

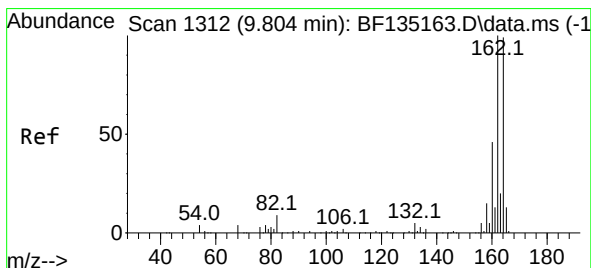
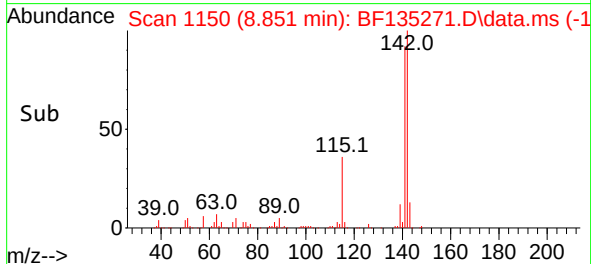
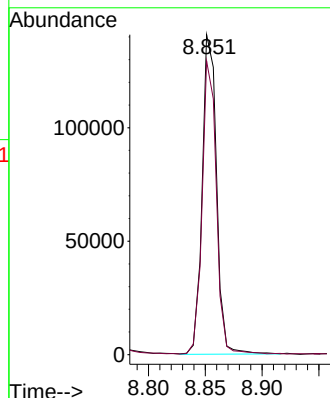
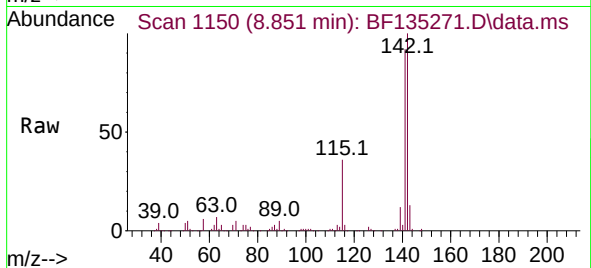
SB-04-COMPDL2

Tgt Ion:142 Resp: 124021

Ion Ratio Lower Upper

142 100

141 91.8 72.4 108.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

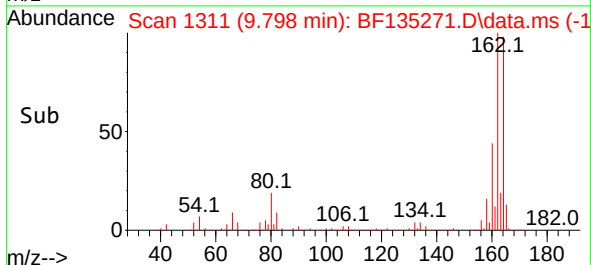
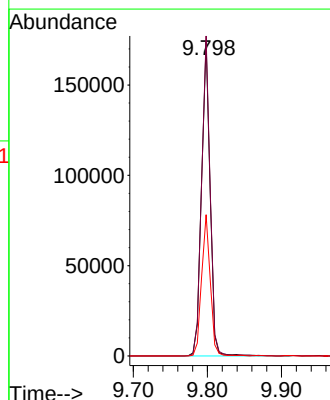
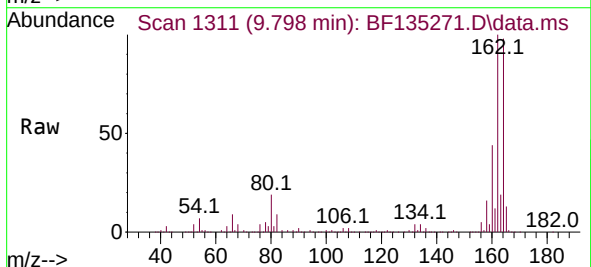
Tgt Ion:164 Resp: 139477

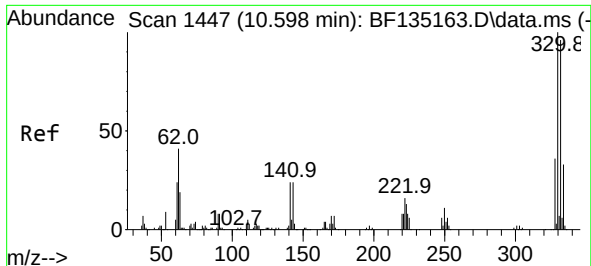
Ion Ratio Lower Upper

164 100

162 101.9 81.0 121.4

160 45.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 0.160 ng

RT: 10.592 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

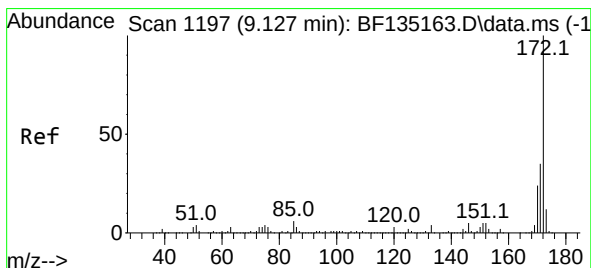
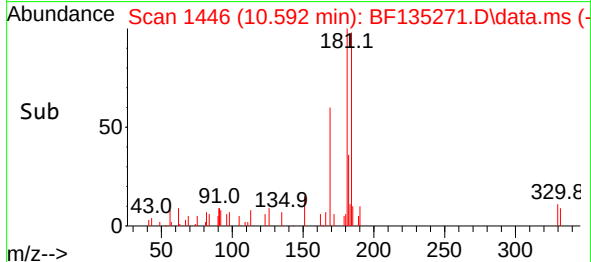
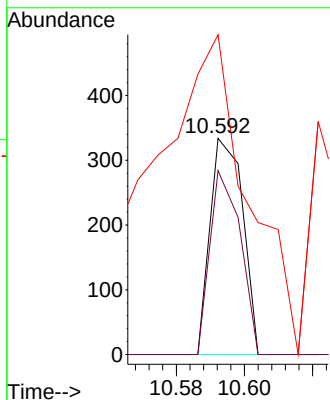
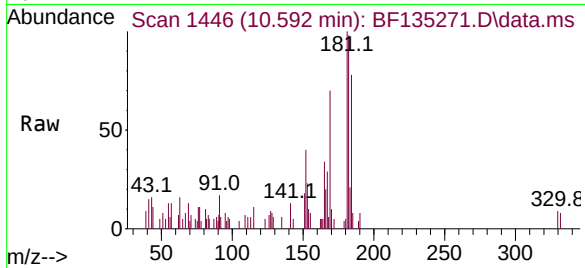
Tgt Ion:330 Resp: 222

Ion Ratio Lower Upper

330 100

332 78.8 77.3 115.9

141 396.8 25.8 38.8#



#45

2-Fluorobiphenyl

Concen: 0.254 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

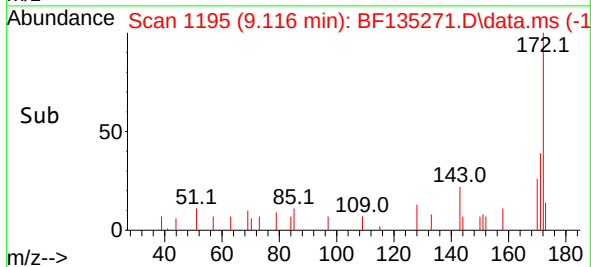
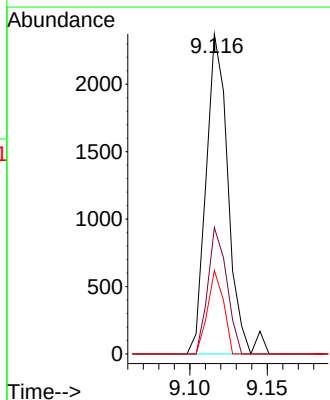
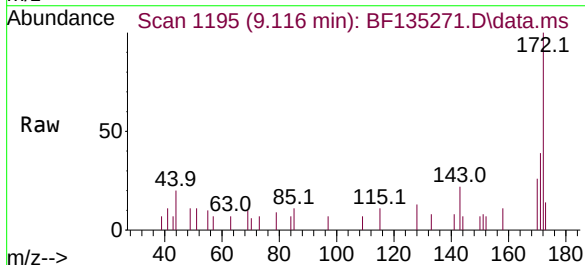
Tgt Ion:172 Resp: 2351

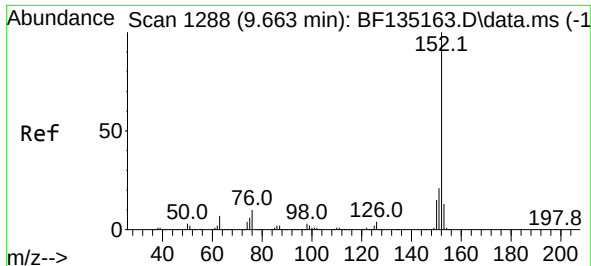
Ion Ratio Lower Upper

172 100

171 39.5 28.4 42.6

170 26.1 19.0 28.4





#49

Acenaphthylene

Concen: 2.592 ng

RT: 9.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

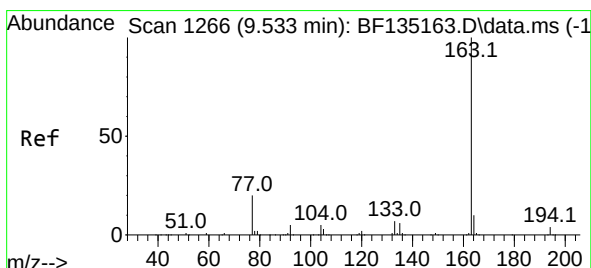
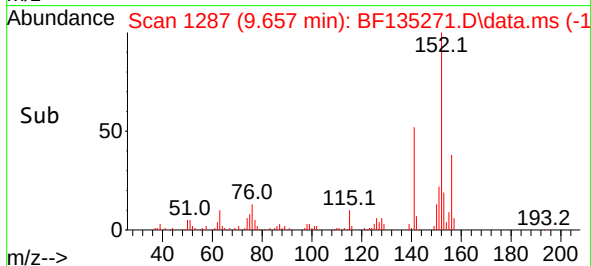
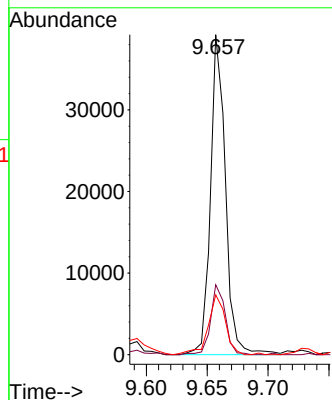
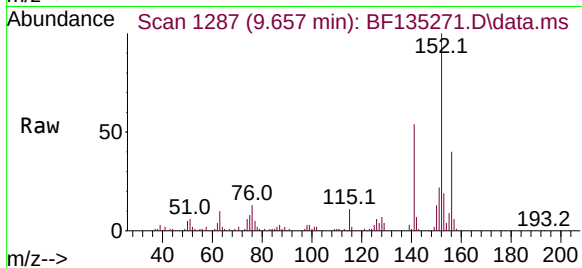
Tgt Ion:152 Resp: 33506

Ion Ratio Lower Upper

152 100

151 21.8 16.4 24.6

153 18.7 10.4 15.6#



#50

Dimethylphthalate

Concen: 2.896 ng

RT: 9.798 min Scan# 1311

Delta R.T. 0.265 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

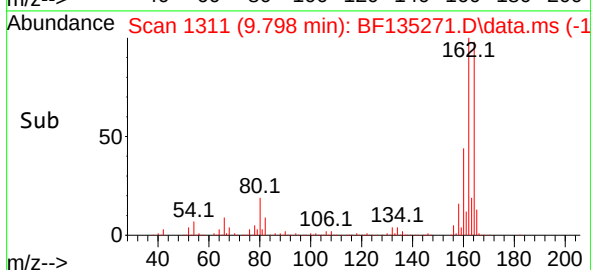
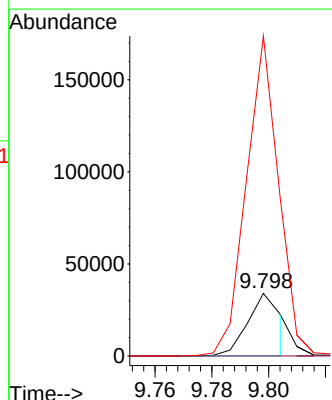
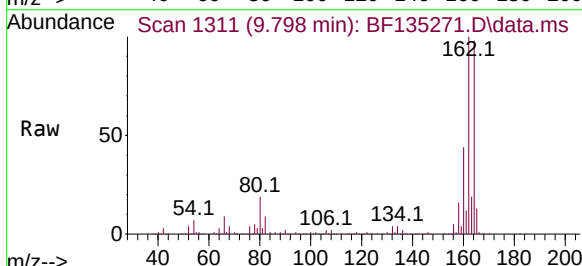
Tgt Ion:163 Resp: 27311

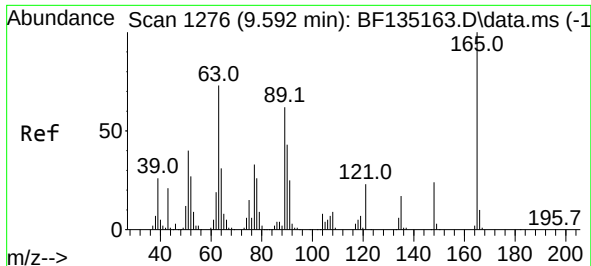
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 511.4 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.901 ng

RT: 9.798 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

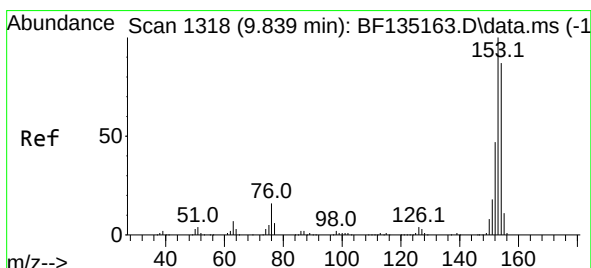
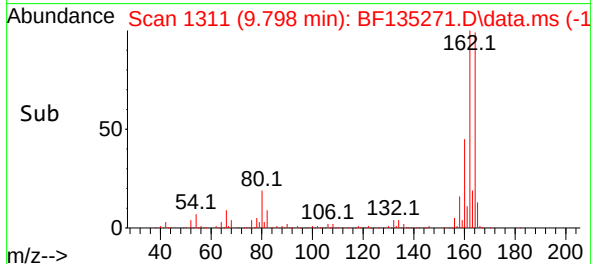
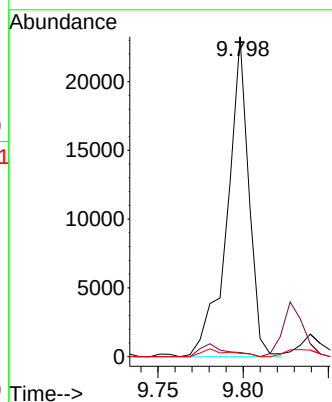
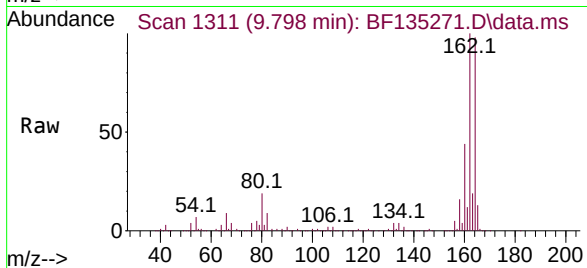
Tgt Ion:165 Resp: 20454

Ion Ratio Lower Upper

165 100

63 1.3 59.4 89.2#

89 1.0 49.8 74.8#



#52

Acenaphthene

Concen: 4.468 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.011 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

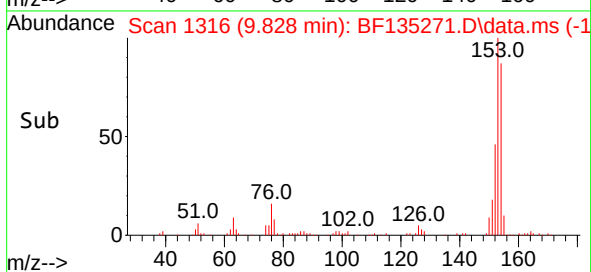
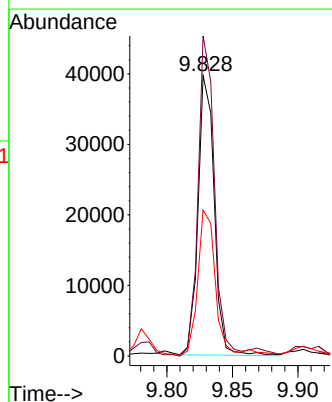
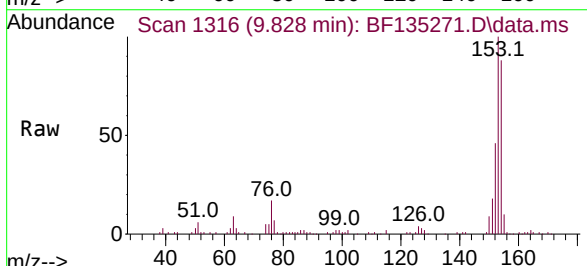
Tgt Ion:154 Resp: 34113

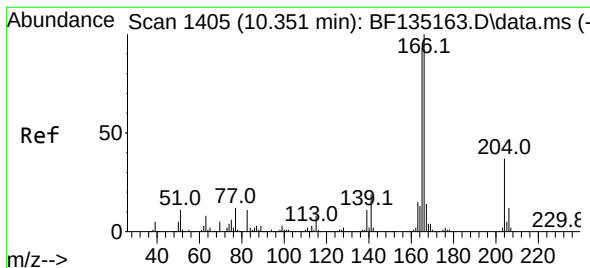
Ion Ratio Lower Upper

154 100

153 114.2 92.1 138.1

152 52.1 43.1 64.7





#58

Fluorene

Concen: 6.319 ng

RT: 10.345 min Scan# 1405

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

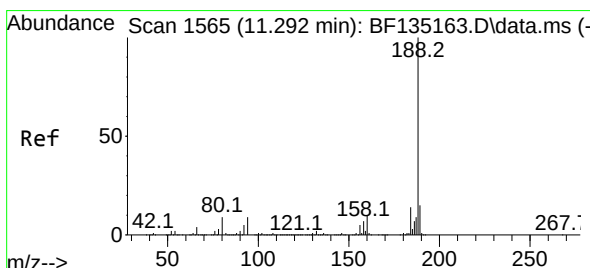
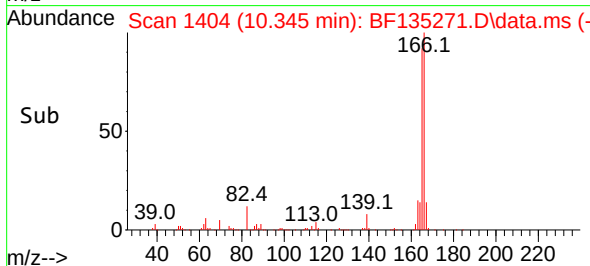
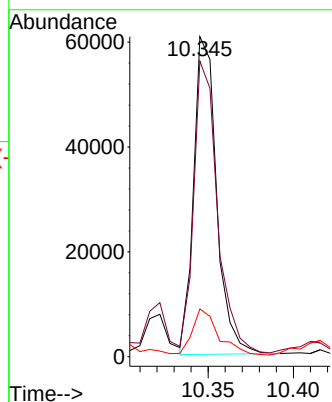
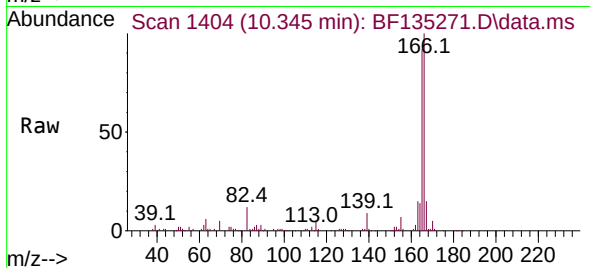
Tgt Ion:166 Resp: 56596

Ion Ratio Lower Upper

166 100

165 92.4 74.3 111.5

167 14.9 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: BF135271.D

Acq: 15 Sep 2023 00:21

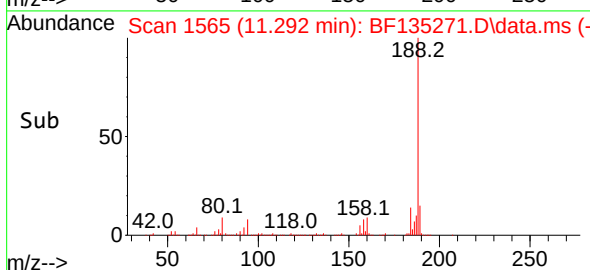
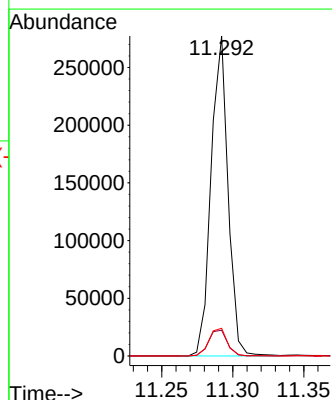
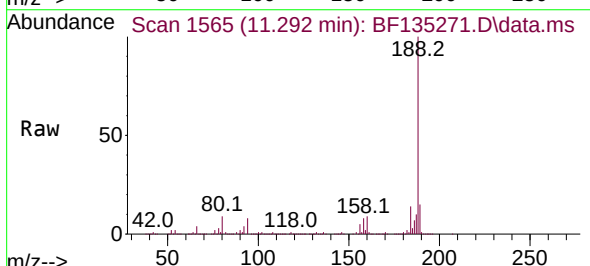
Tgt Ion:188 Resp: 231231

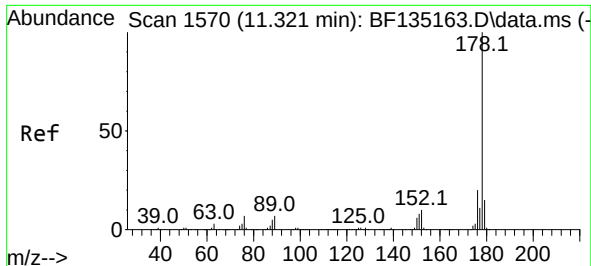
Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

80 8.7 7.5 11.3

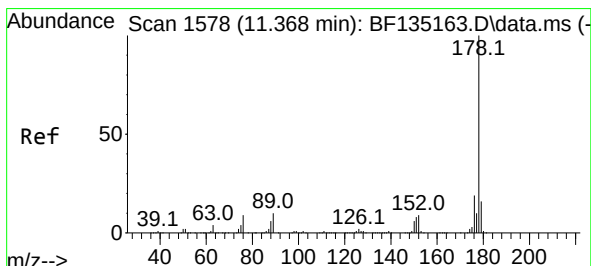
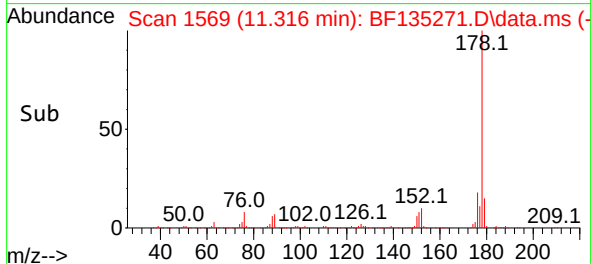
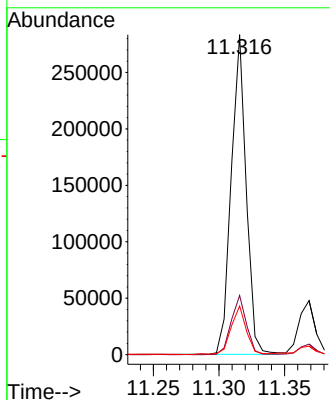
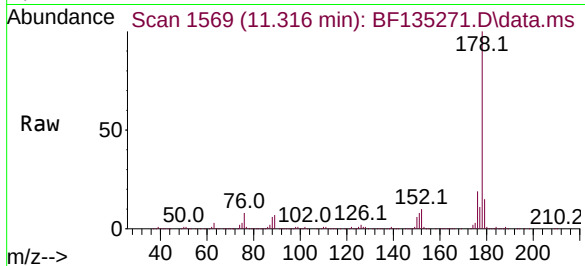




#71
Phenanthrene
Concen: 20.544 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

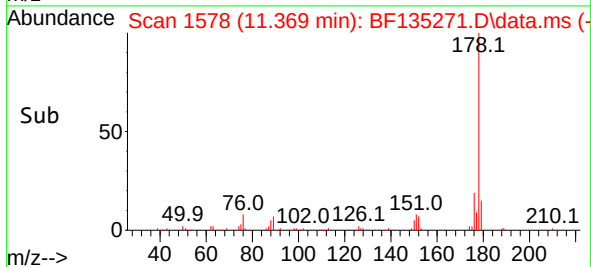
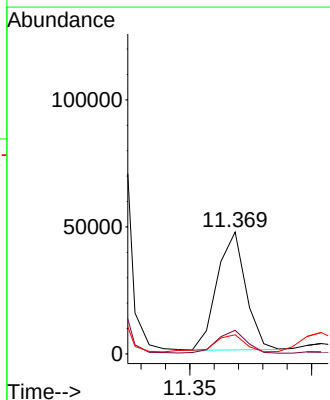
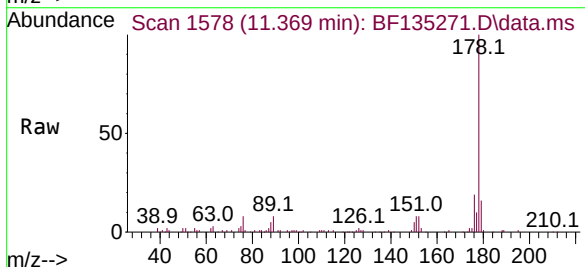
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2

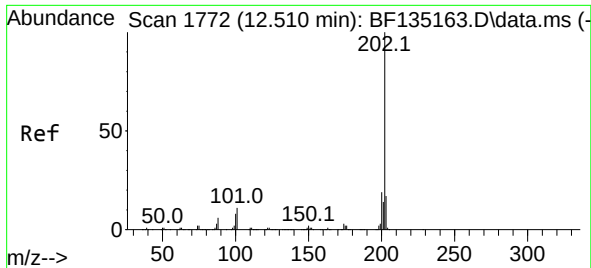
Tgt Ion:178 Resp: 224669
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 15.2 12.0 18.0



#72
Anthracene
Concen: 3.405 ng
RT: 11.369 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Tgt Ion:178 Resp: 38282
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.8 12.6 19.0

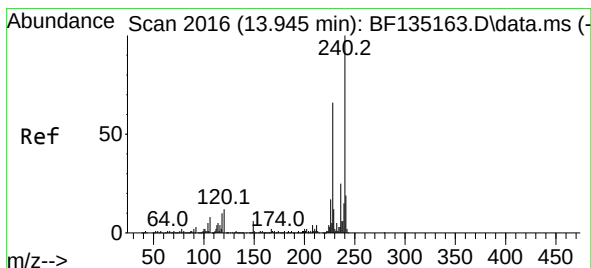
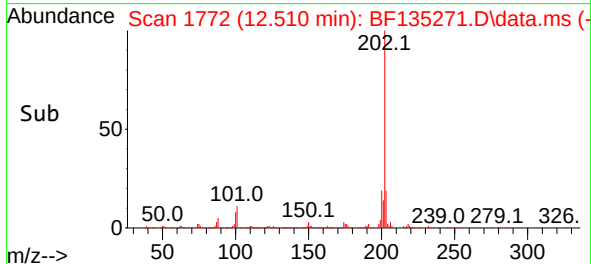
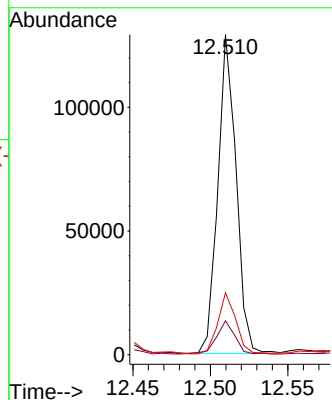
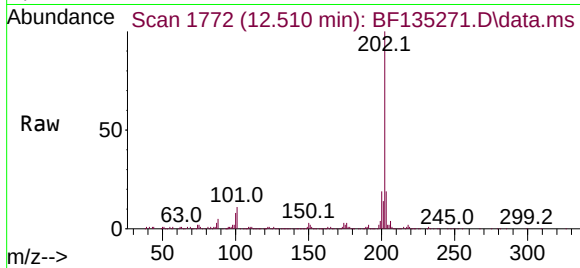




#75
Fluoranthene
Concen: 9.275 ng
RT: 12.510 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

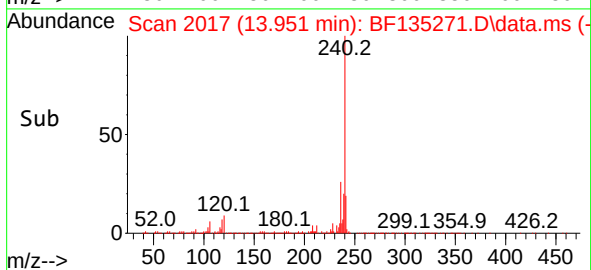
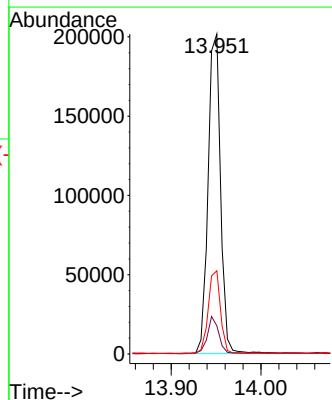
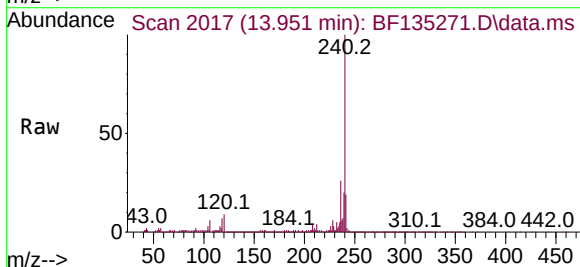
Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2

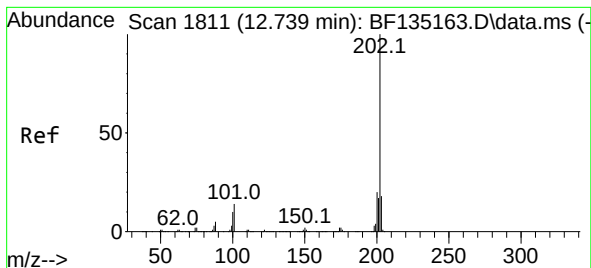
Tgt Ion:202 Resp: 105693
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 19.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Tgt Ion:240 Resp: 195061
Ion Ratio Lower Upper
240 100
120 8.8 9.4 14.2#
236 26.0 19.8 29.8





#78

Pyrene

Concen: 10.424 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

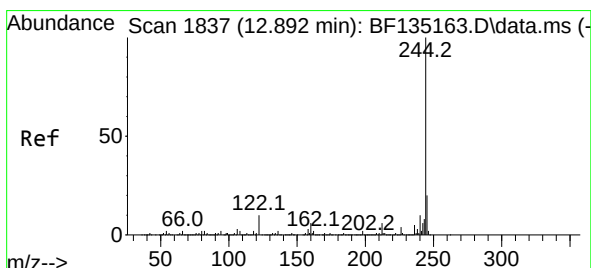
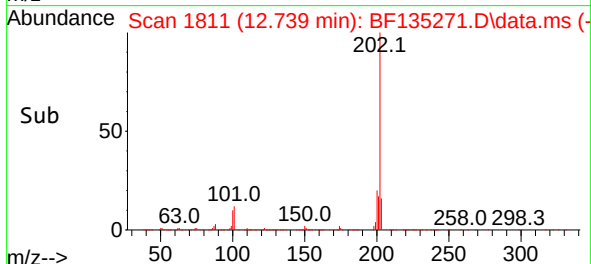
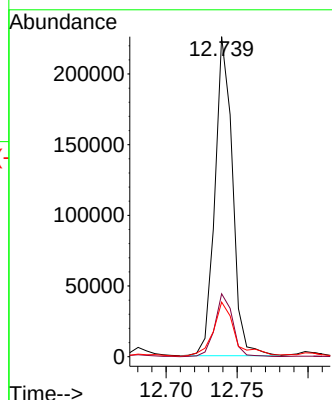
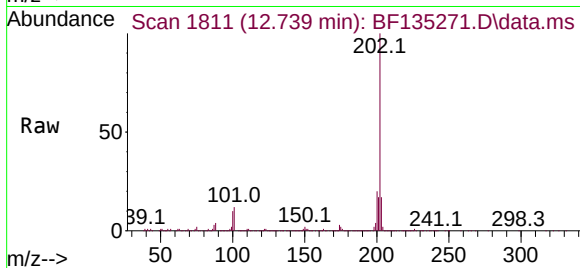
Tgt Ion:202 Resp: 193578

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.1 14.2 21.4



#79

Terphenyl-d14

Concen: 0.209 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

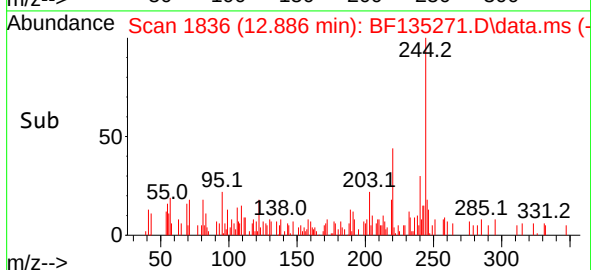
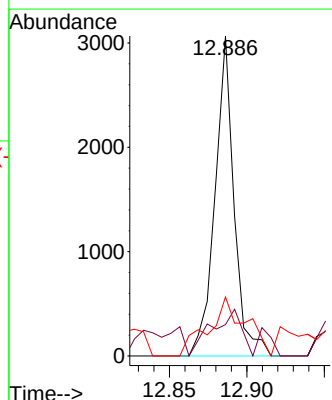
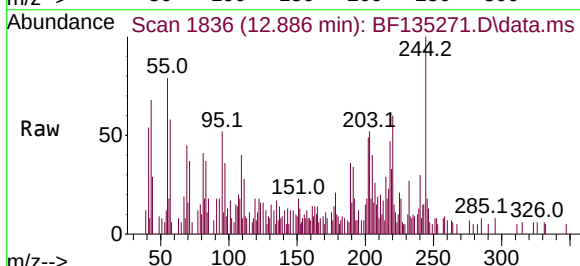
Tgt Ion:244 Resp: 2628

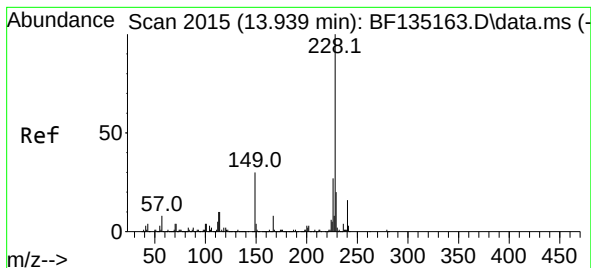
Ion Ratio Lower Upper

244 100

212 9.8 5.1 7.7#

122 18.5 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 5.014 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

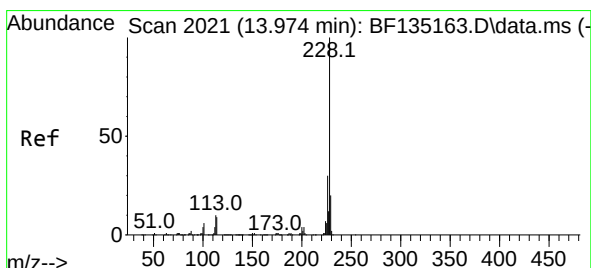
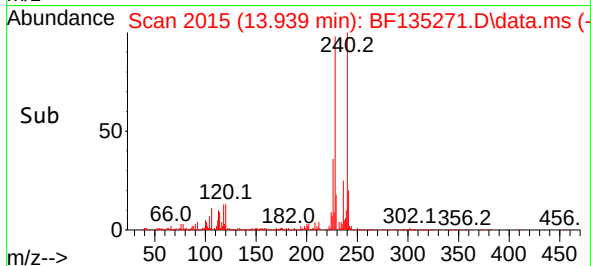
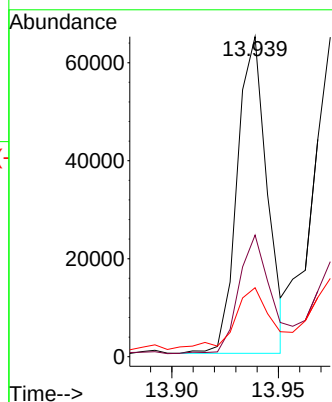
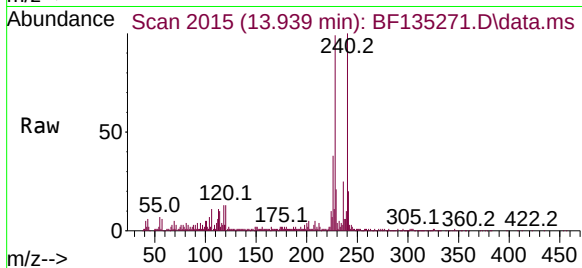
Tgt Ion:228 Resp: 63157

Ion Ratio Lower Upper

228 100

226 38.0 21.7 32.5#

229 21.5 15.8 23.8



#83

Chrysene

Concen: 4.775 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

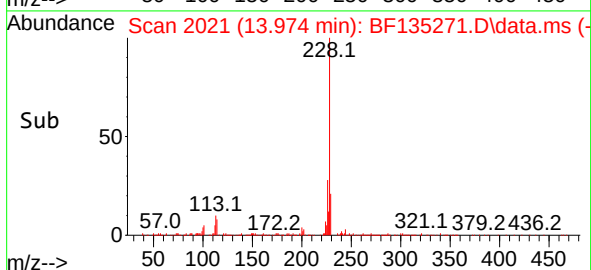
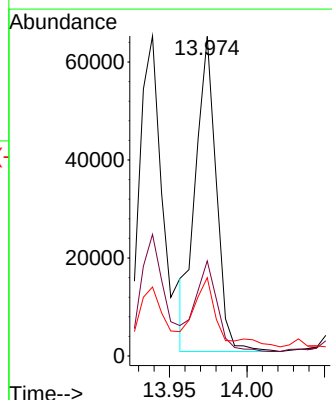
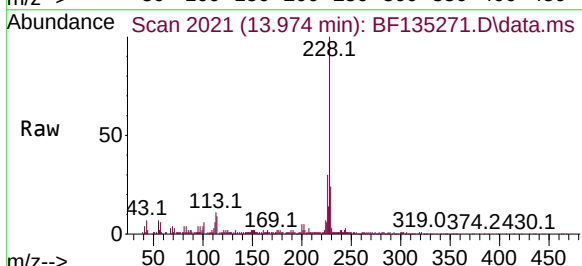
Tgt Ion:228 Resp: 59803

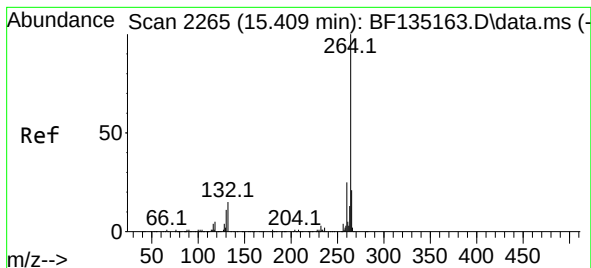
Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 24.5 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

Instrument :

BNA_F

ClientSampleId :

SB-04-COMPDL2

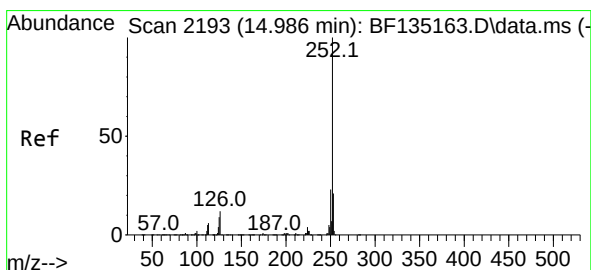
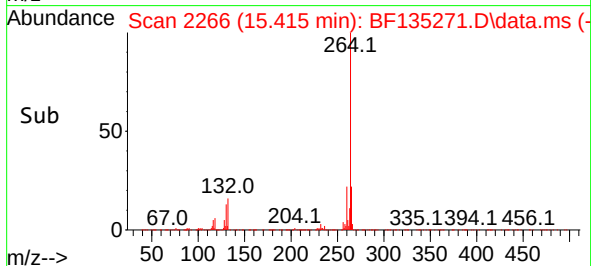
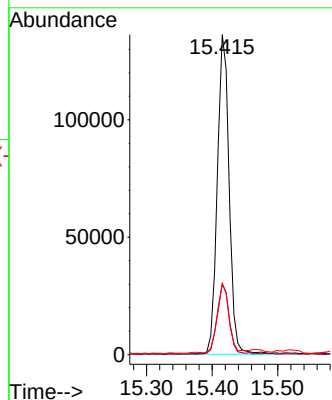
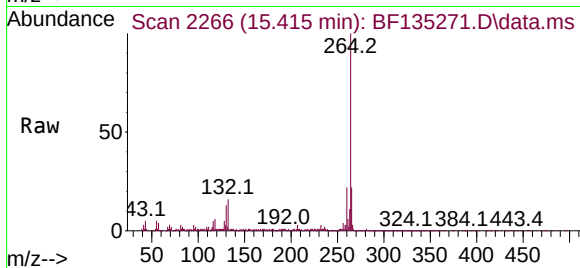
Tgt Ion:264 Resp: 170541

Ion Ratio Lower Upper

264 100

260 22.0 19.8 29.6

265 22.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.709 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135271.D

Acq: 15 Sep 2023 00:21

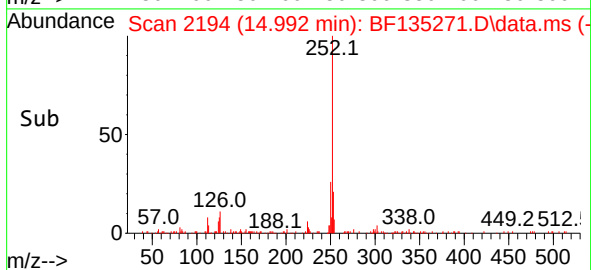
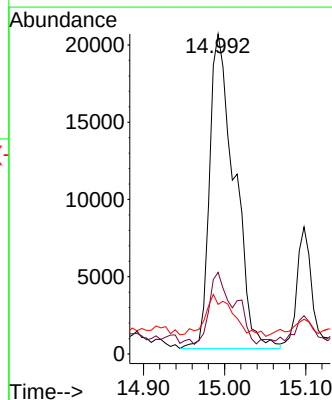
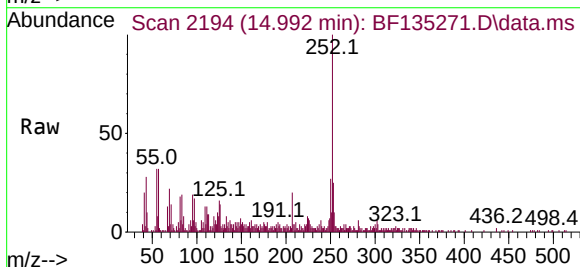
Tgt Ion:252 Resp: 43475

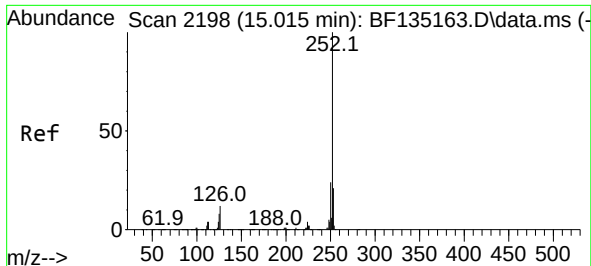
Ion Ratio Lower Upper

252 100

253 25.5 17.2 25.8

125 15.5 7.1 10.7#

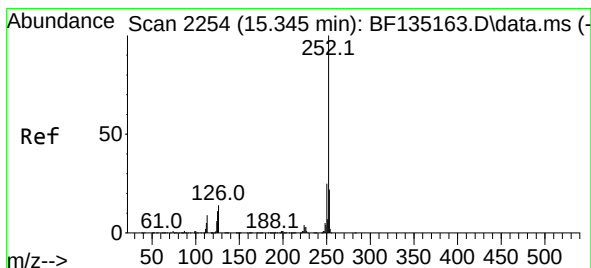
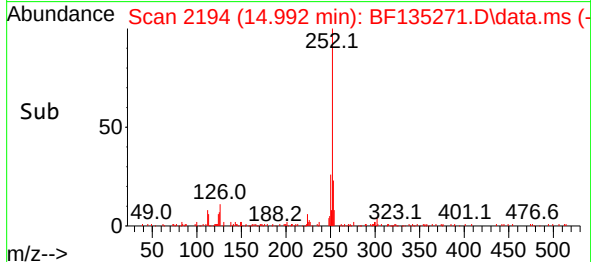
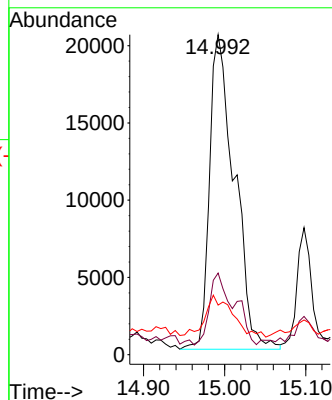
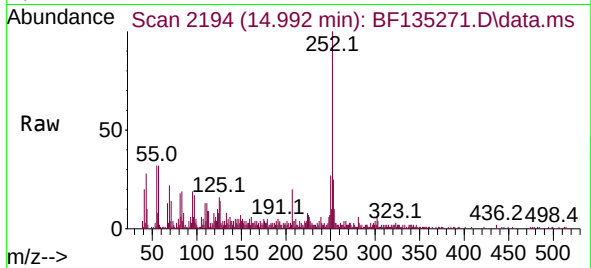




#89
Benzo(k)fluoranthene
Concen: 4.767 ng
RT: 14.992 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Instrument :
BNA_F
ClientSampleId :
SB-04-COMPDL2

Tgt Ion:252 Resp: 43475
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 15.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 4.185 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.012 min
Lab File: BF135271.D
Acq: 15 Sep 2023 00:21

Tgt Ion:252 Resp: 36845
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 13.7 9.2 13.8

