

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092223\
 Data File : BF135418.D
 Acq On : 23 Sep 2023 01:08
 Operator : CG\JU
 Sample : 04512-02DL 4X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11986DL

Quant Time: Sep 23 05:01:32 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)

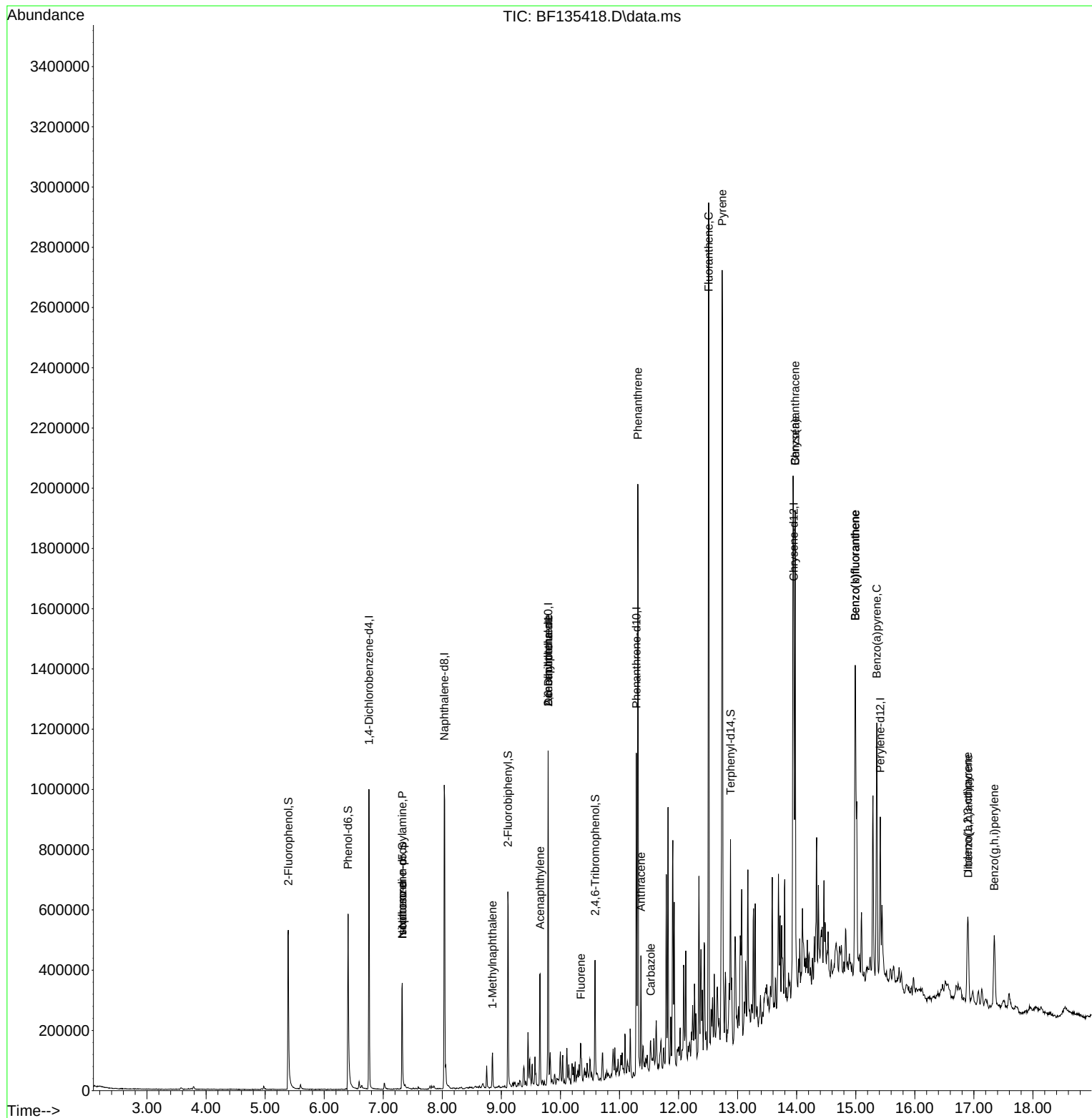
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	135674	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	470446	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	207393	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	373001	20.000	ng	0.00
76) Chrysene-d12	13.951	240	270558	20.000	ng	0.00
86) Perylene-d12	15.415	264	243281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	184252	22.088	ng	0.00
7) Phenol-d6	6.404	99	233720	22.034	ng	0.00
23) Nitrobenzene-d5	7.322	82	123933	14.312	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	35981	17.458	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	211984	15.421	ng	-0.02
79) Terphenyl-d14	12.880	244	194396	11.138	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	16801	2.557	ng	# 75
25) Isophorone	7.322	82	123931	7.794	ng	# 65
38) 1-Methylnaphthalene	8.851	142	31545	2.193	ng	97
49) Acenaphthylene	9.657	152	148982	7.752	ng	97
50) Dimethylphthalate	9.792	163	38680	2.759	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	28233	9.191	ng	# 17
58) Fluorene	10.345	166	42206	3.169	ng	97
71) Phenanthrene	11.310	178	727651	41.247	ng	99
72) Anthracene	11.363	178	134305	7.407	ng	97
73) Carbazole	11.527	167	34201	2.072	ng	99
75) Fluoranthene	12.510	202	1119016	60.875	ng	97
78) Pyrene	12.739	202	1178112	45.736	ng	100
81) Benzo(a)anthracene	13.974	228	640321	36.651	ng	94
83) Chrysene	13.974	228	640321	36.864	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	199098	12.482	ng	99
88) Benzo(b)fluoranthene	14.992	252	797999	60.594	ng	# 96
89) Benzo(k)fluoranthene	14.992	252	797999	61.341	ng	# 96
90) Benzo(a)pyrene	15.357	252	391913	31.206	ng	98
91) Dibenzo(a,h)anthracene	16.903	278	57984	4.443	ng	# 75
92) Benzo(g,h,i)perylene	17.345	276	195100	14.313	ng	# 94

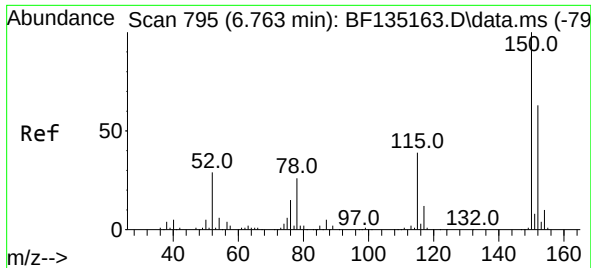
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 23 05:01:32 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

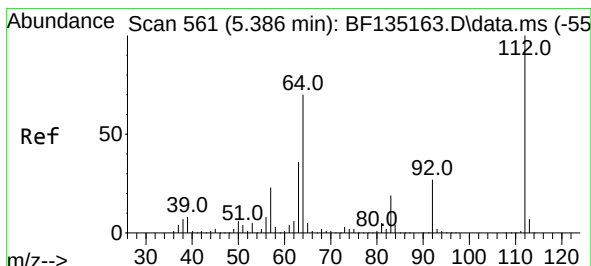
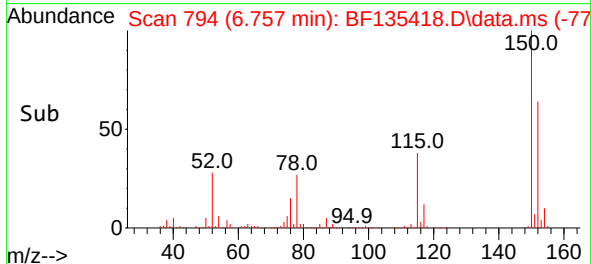
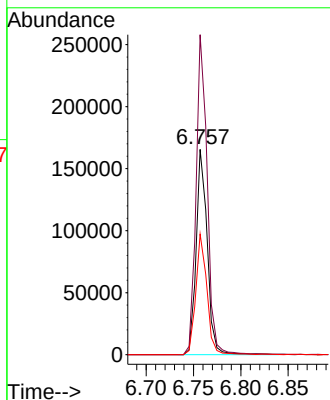
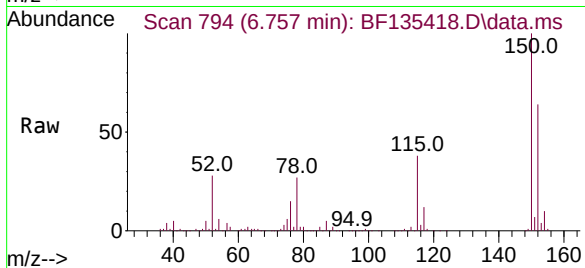




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

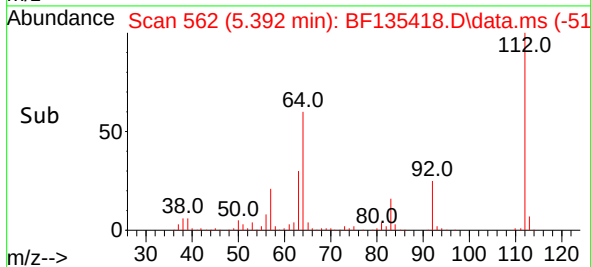
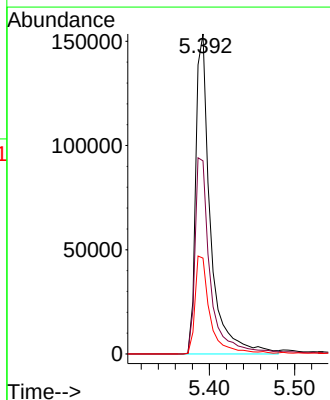
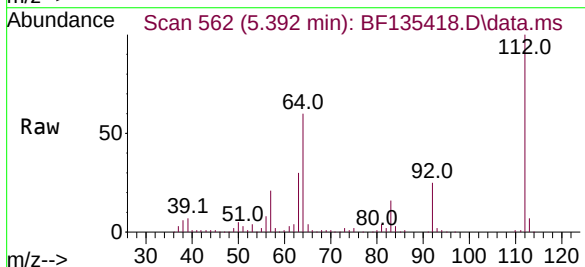
Instrument :
BNA_F
ClientSampleId :
72-11986DL

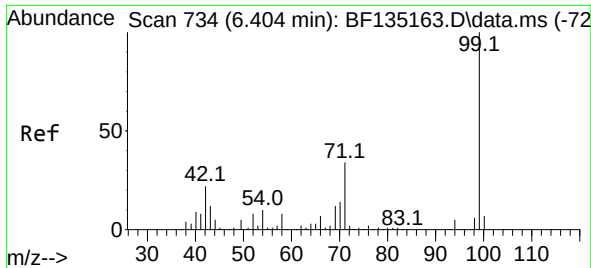
Tgt Ion:152 Resp: 135674
Ion Ratio Lower Upper
152 100
150 155.9 127.8 191.6
115 58.8 49.8 74.8



#5
2-Fluorophenol
Concen: 22.088 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion:112 Resp: 184252
Ion Ratio Lower Upper
112 100
64 60.4 55.9 83.9
63 29.9 29.0 43.6

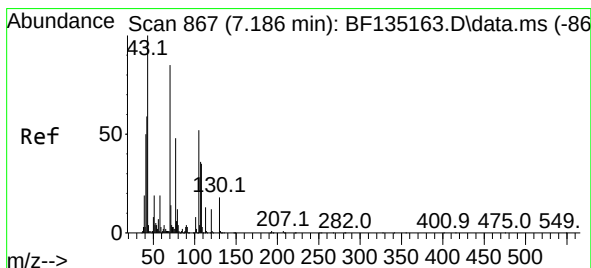
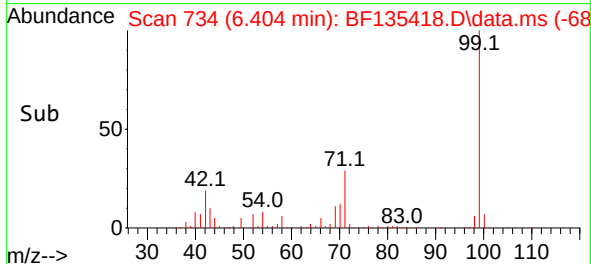
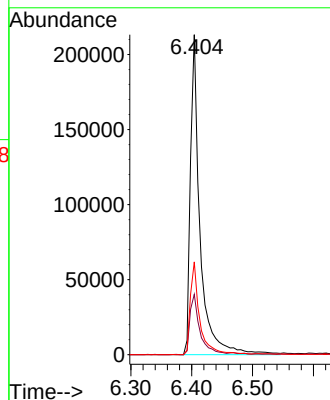
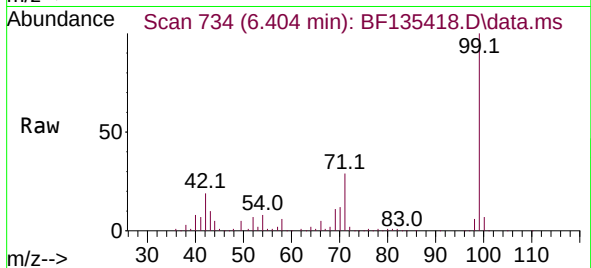




#7
Phenol-d6
Concen: 22.034 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

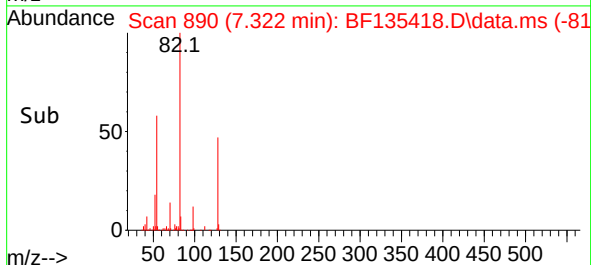
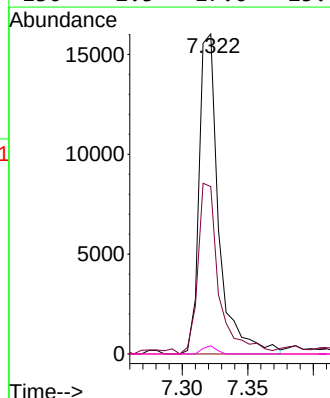
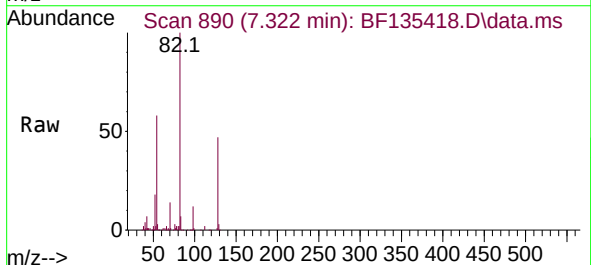
Instrument :
BNA_F
ClientSampleId :
72-11986DL

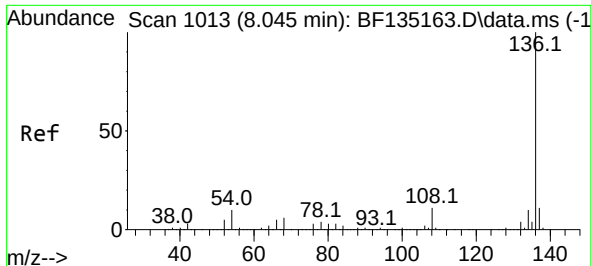
Tgt Ion: 99 Resp: 233720
Ion Ratio Lower Upper
99 100
42 18.9 17.9 26.9
71 29.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.557 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

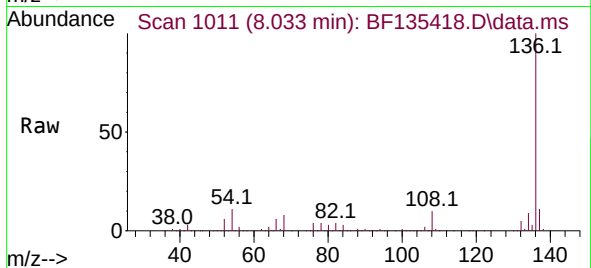
Tgt Ion: 70 Resp: 16801
Ion Ratio Lower Upper
70 100
42 52.3 55.4 83.0#
101 0.0 7.7 11.5#
130 2.5 17.0 25.6#



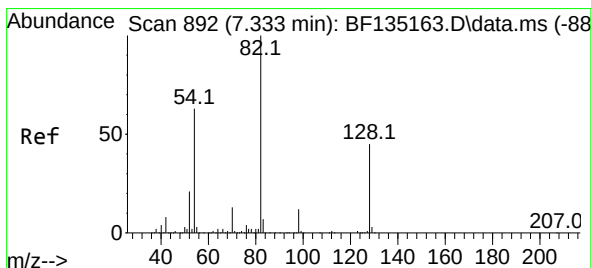
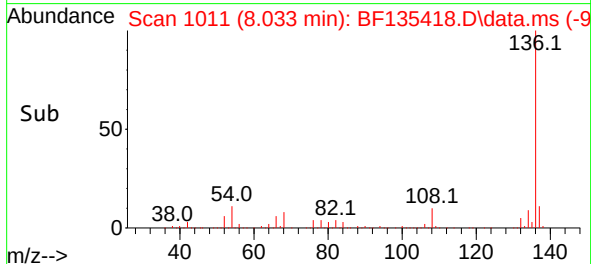
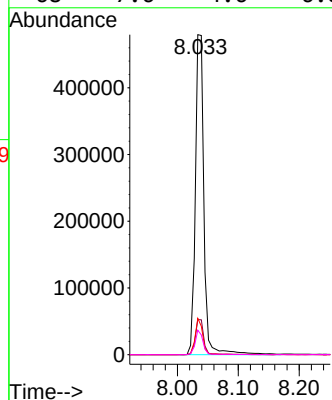


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1013
Delta R.T. -0.012 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Instrument :
BNA_F
ClientSampleId :
72-11986DL

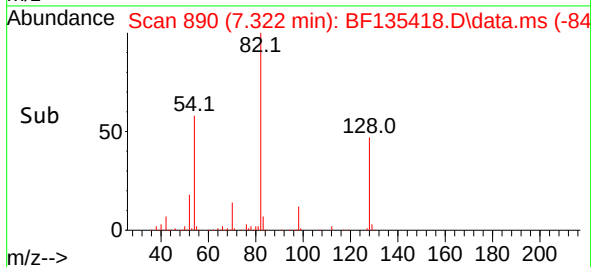
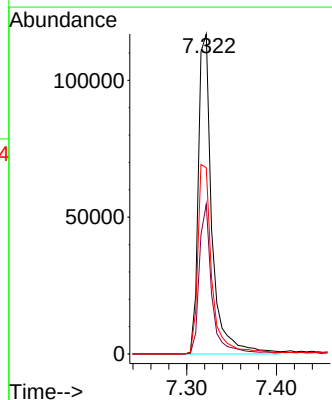
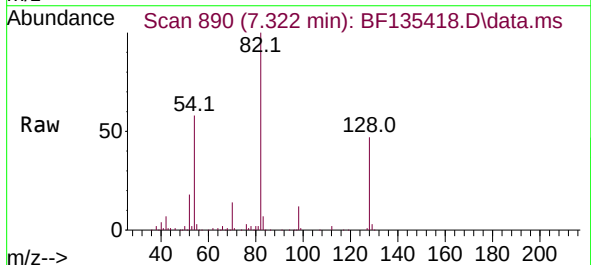


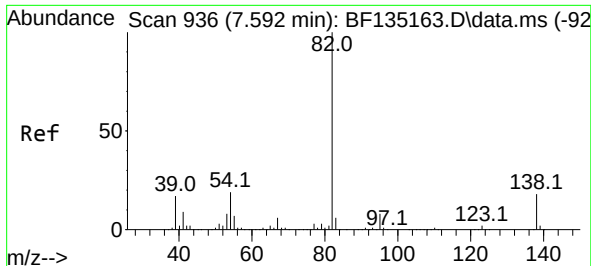
Tgt Ion:136 Resp: 470446
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.3 7.7 11.5
68 7.6 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 14.312 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion: 82 Resp: 123933
Ion Ratio Lower Upper
82 100
128 46.8 35.8 53.6
54 58.2 50.6 76.0

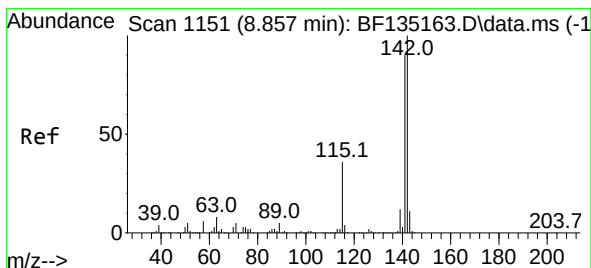
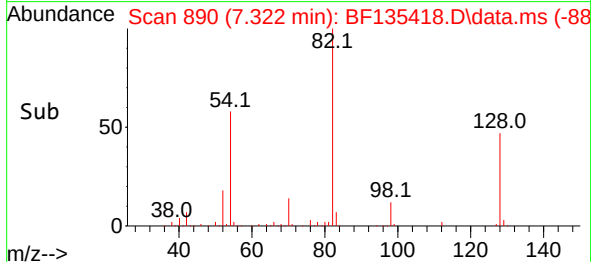
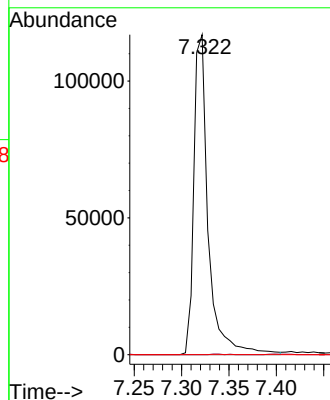
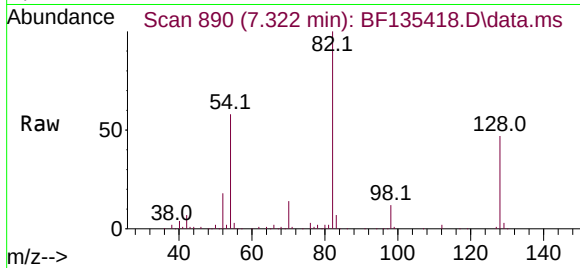




#25
Isophorone
Concen: 7.794 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

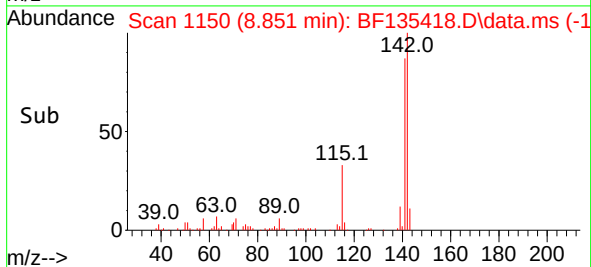
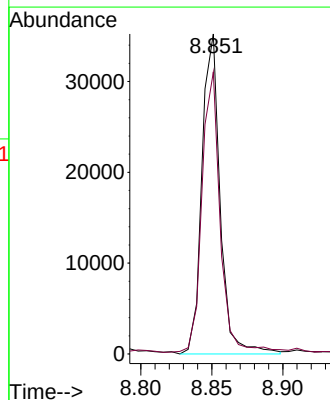
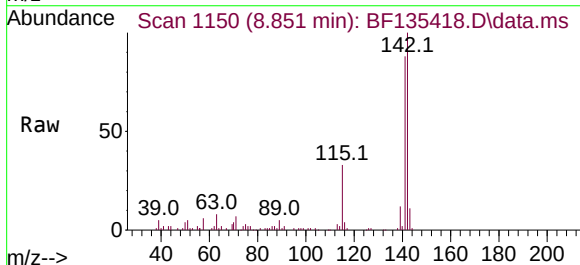
Instrument :
BNA_F
ClientSampleId :
72-11986DL

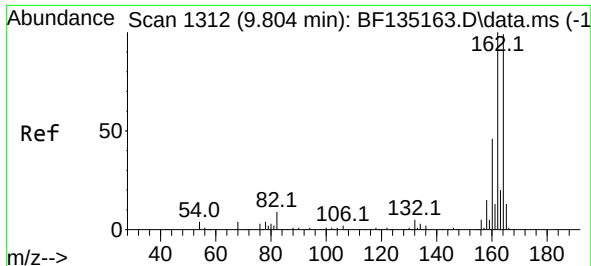
Tgt Ion: 82 Resp: 123931
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#38
1-Methylnaphthalene
Concen: 2.193 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion: 142 Resp: 31545
Ion Ratio Lower Upper
142 100
141 88.1 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

Instrument :

BNA_F

ClientSampleId :

72-11986DL

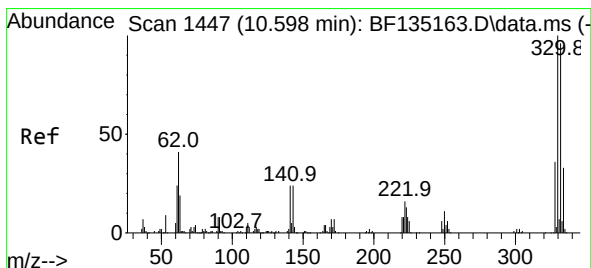
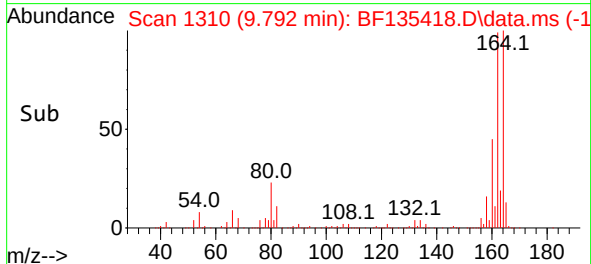
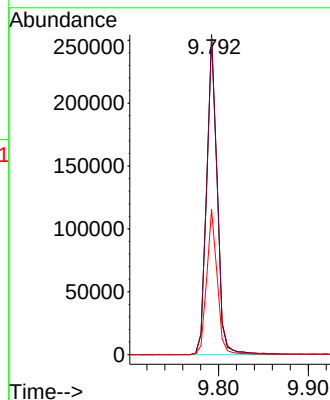
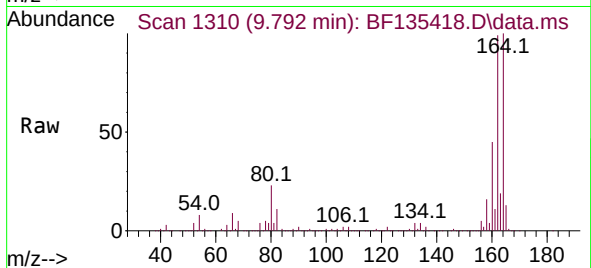
Tgt Ion:164 Resp: 207393

Ion Ratio Lower Upper

164 100

162 99.1 81.0 121.4

160 45.4 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 17.458 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

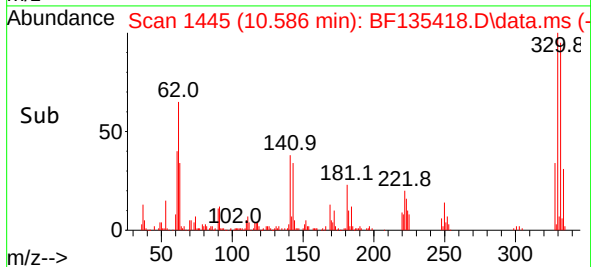
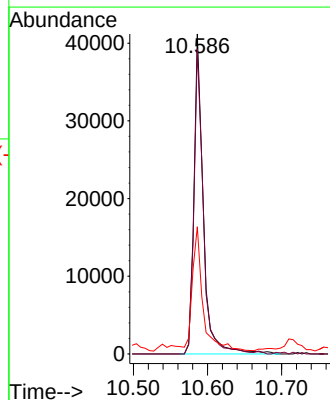
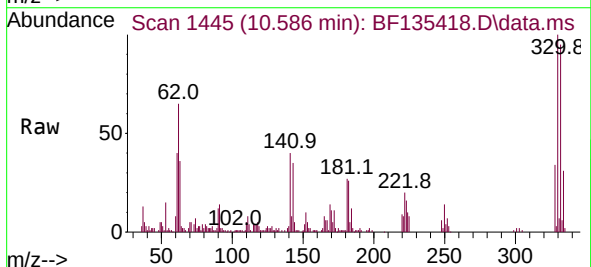
Tgt Ion:330 Resp: 35981

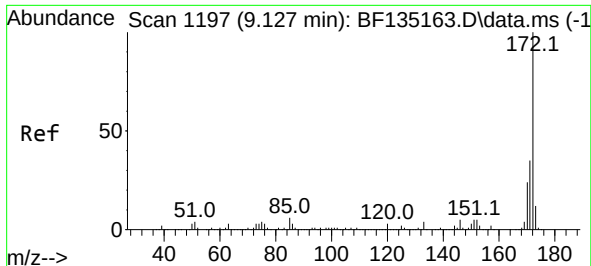
Ion Ratio Lower Upper

330 100

332 95.5 77.3 115.9

141 43.8 25.8 38.8#





#45

2-Fluorobiphenyl

Concen: 15.421 ng

RT: 9.110 min Scan# 1194

Delta R.T. -0.018 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

Instrument :

BNA_F

ClientSampleId :

72-11986DL

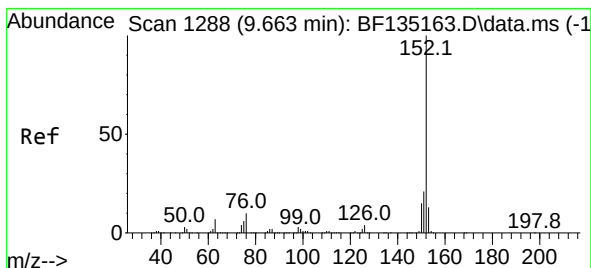
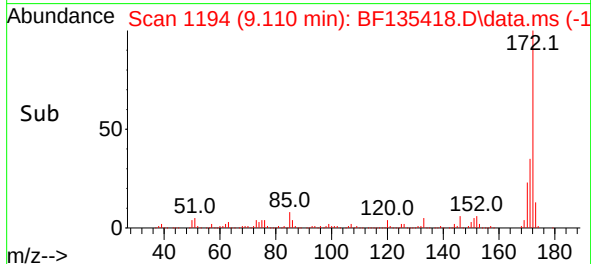
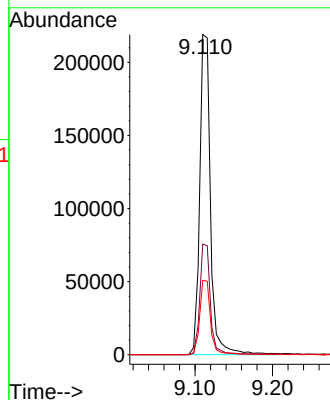
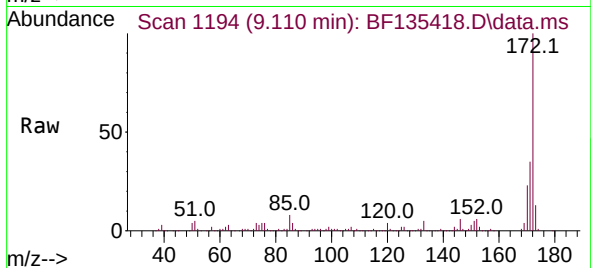
Tgt Ion:172 Resp: 211984

Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 23.2 19.0 28.4



#49

Acenaphthylene

Concen: 7.752 ng

RT: 9.657 min Scan# 1287

Delta R.T. -0.006 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

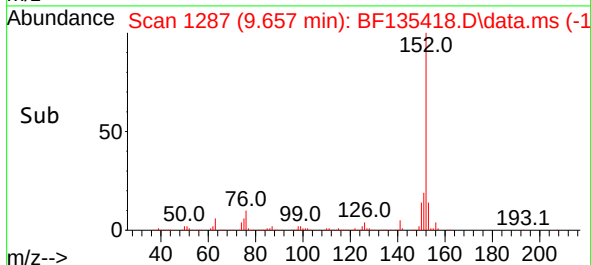
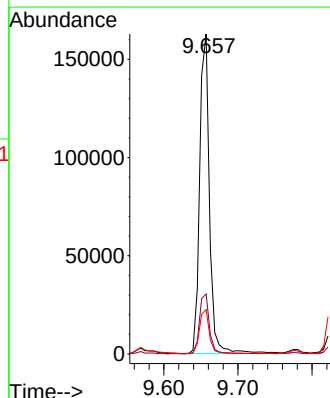
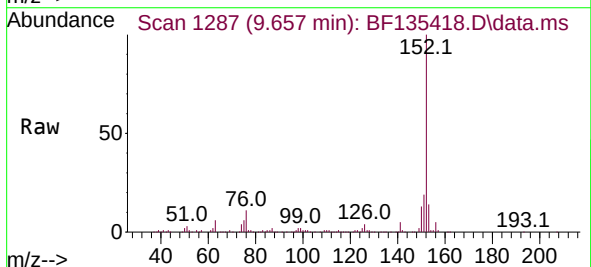
Tgt Ion:152 Resp: 148982

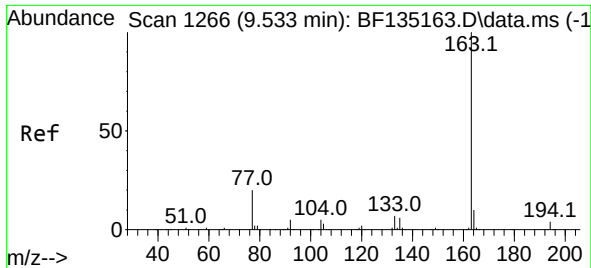
Ion Ratio Lower Upper

152 100

151 18.8 16.4 24.6

153 13.8 10.4 15.6

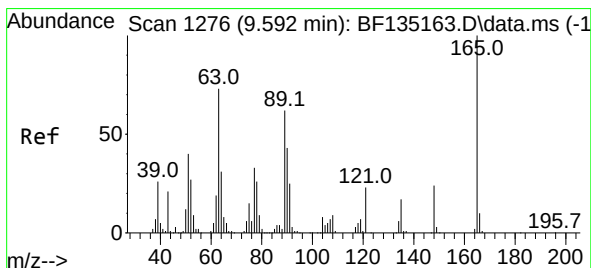
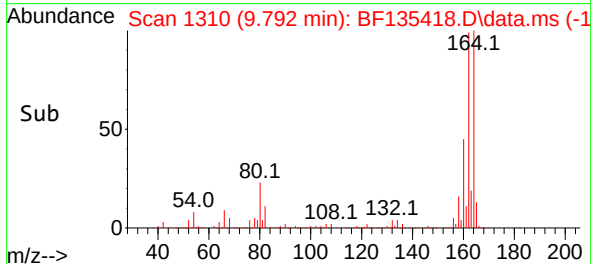
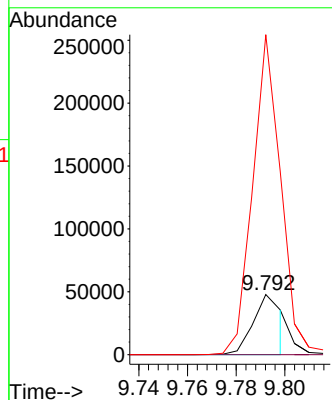
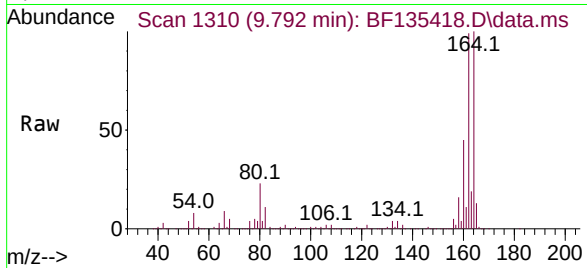




#50
Dimethylphthalate
Concen: 2.759 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

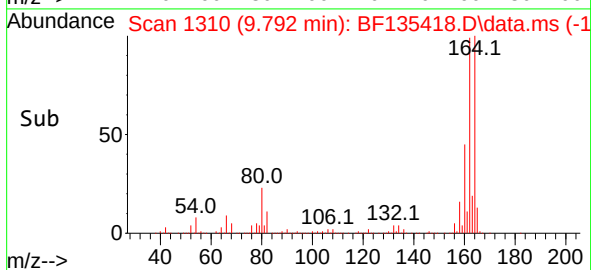
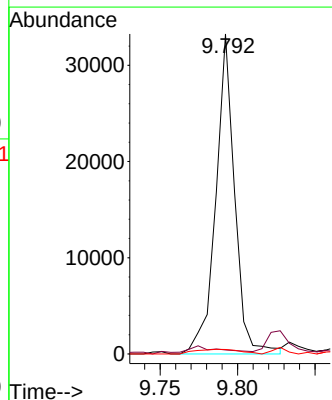
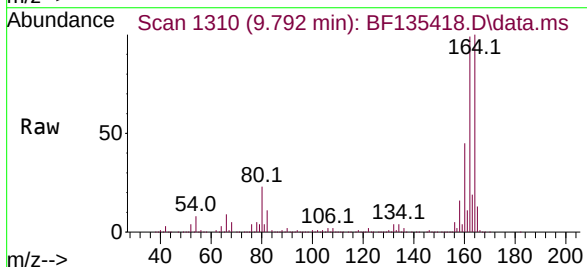
Instrument :
BNA_F
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72-11986DL

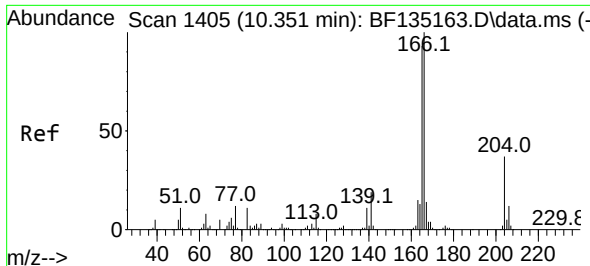
Tgt Ion:163 Resp: 38680
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 532.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.191 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion:165 Resp: 28233
Ion Ratio Lower Upper
165 100
63 1.3 59.4 89.2#
89 1.4 49.8 74.8#

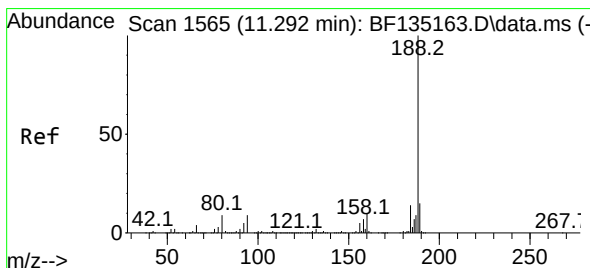
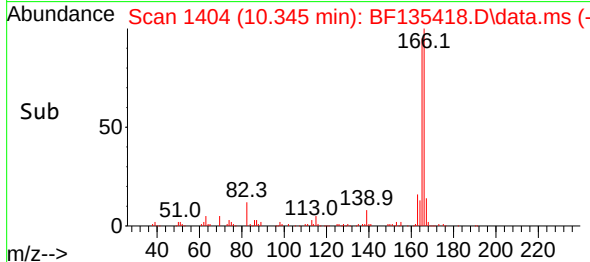
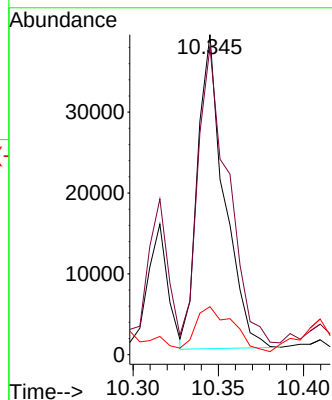
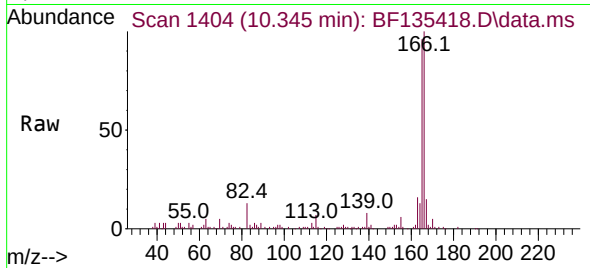




#58
Fluorene
Concen: 3.169 ng
RT: 10.345 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

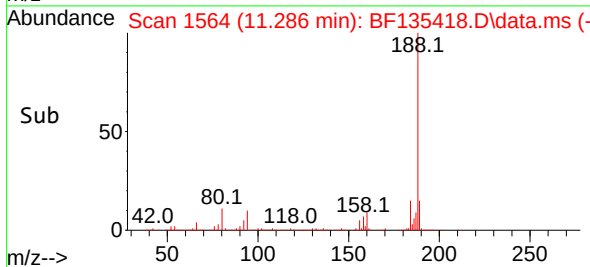
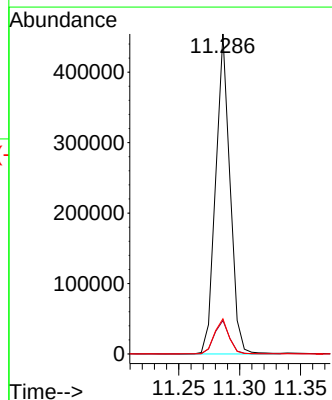
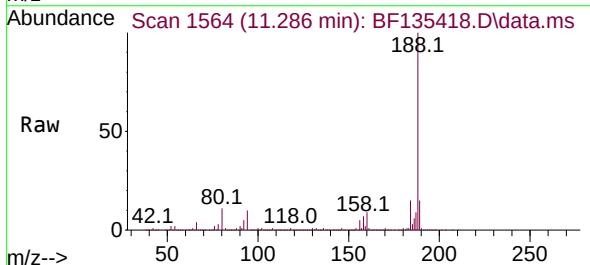
Instrument :
BNA_F
ClientSampleId :
72-11986DL

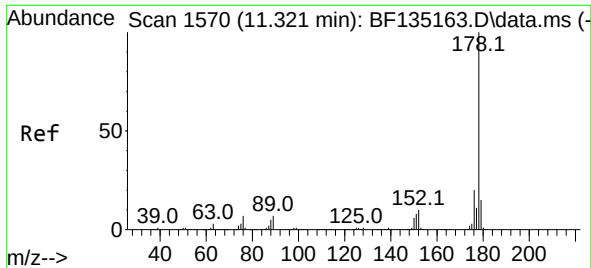
Tgt Ion:166 Resp: 42206
Ion Ratio Lower Upper
166 100
165 96.2 74.3 111.5
167 15.0 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion:188 Resp: 373001
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 11.0 7.5 11.3

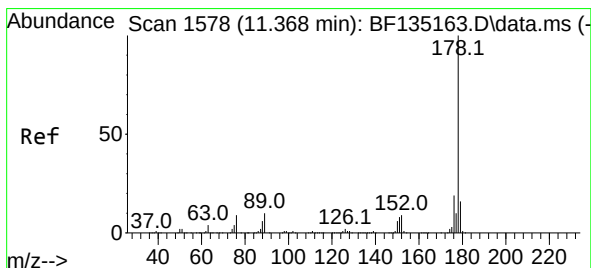
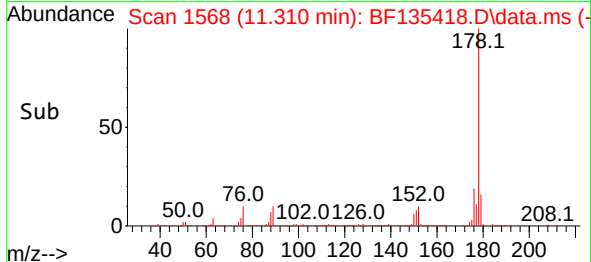
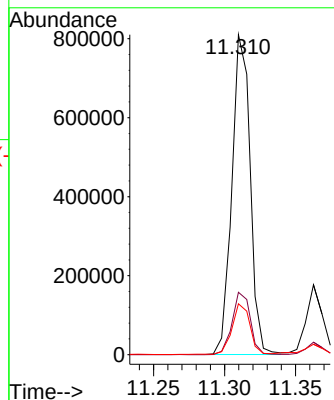
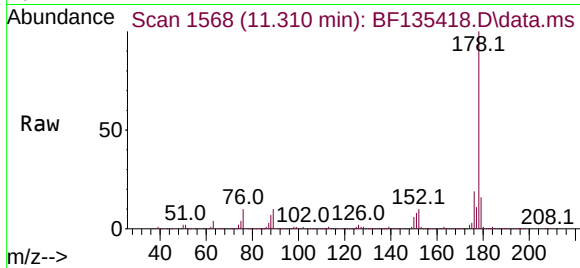




#71
Phenanthrene
Concen: 41.247 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

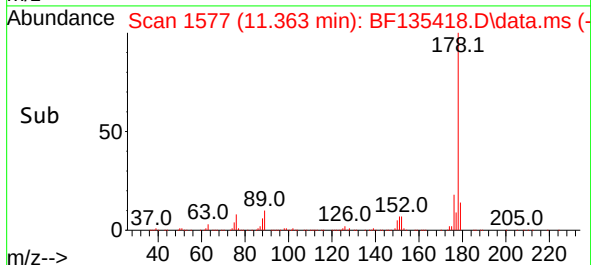
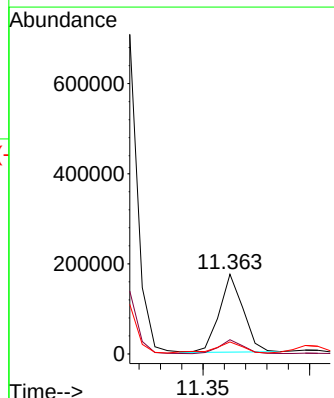
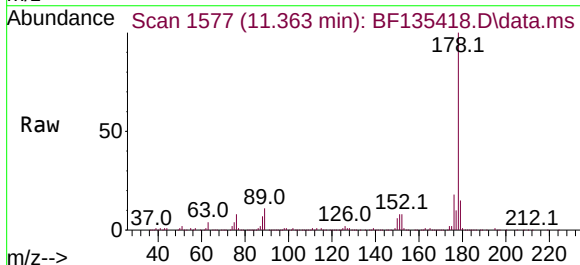
Instrument :
BNA_F
ClientSampleId :
72-11986DL

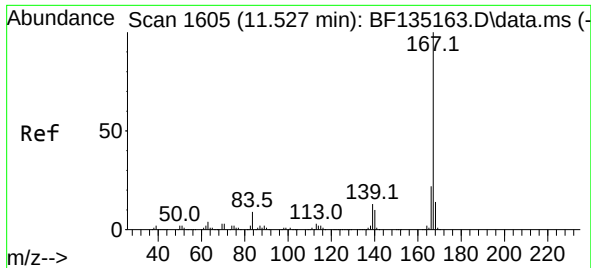
Tgt Ion:178 Resp: 727651
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.9 12.0 18.0



#72
Anthracene
Concen: 7.407 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion:178 Resp: 134305
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 15.0 12.6 19.0

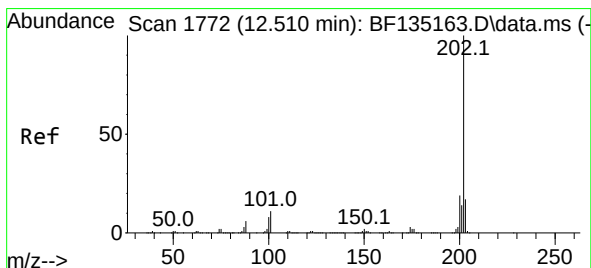
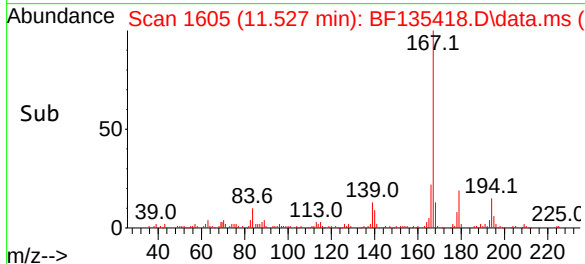
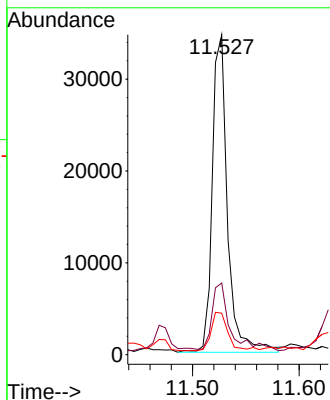
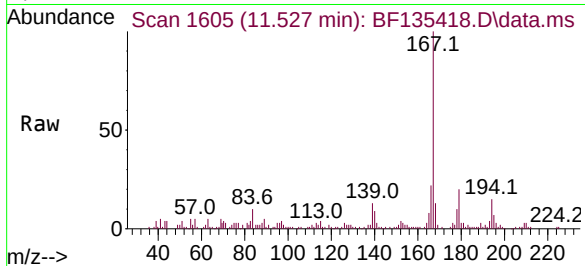




#73
 Carbazole
 Concen: 2.072 ng
 RT: 11.527 min Scan# 1605
 Delta R.T. 0.000 min
 Lab File: BF135418.D
 Acq: 23 Sep 2023 01:08

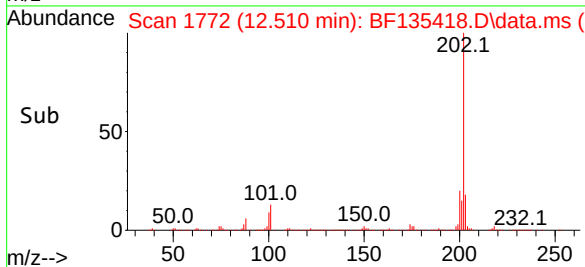
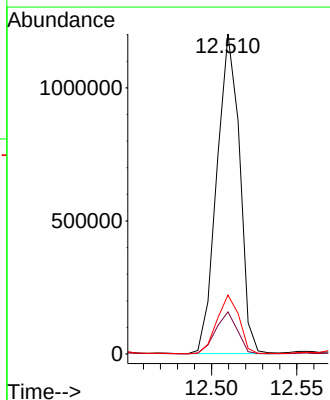
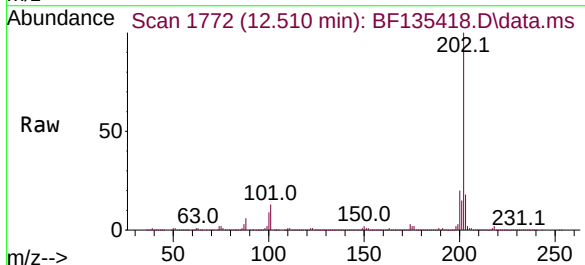
Instrument :
 BNA_F
 ClientSampleId :
 72-11986DL

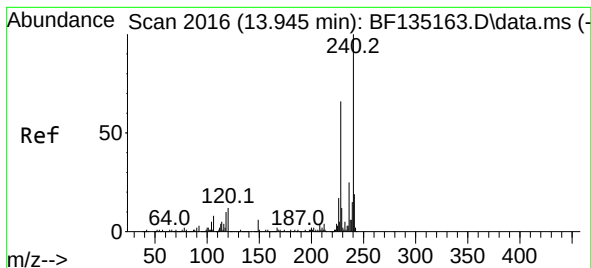
Tgt Ion:167 Resp: 34201
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.0
 139 13.0 10.6 15.8



#75
 Fluoranthene
 Concen: 60.875 ng
 RT: 12.510 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: BF135418.D
 Acq: 23 Sep 2023 01:08

Tgt Ion:202 Resp: 1119016
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 31.3
 203 18.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

Instrument :

BNA_F

ClientSampleId :

72-11986DL

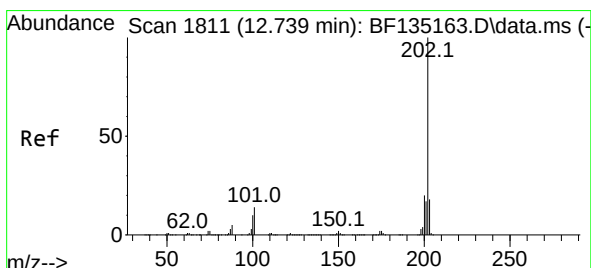
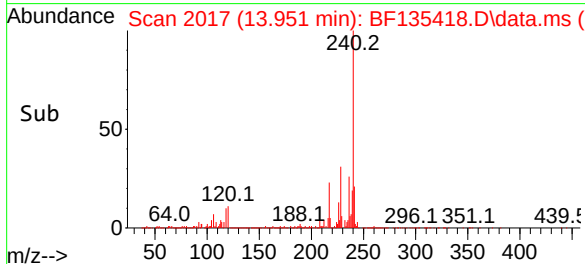
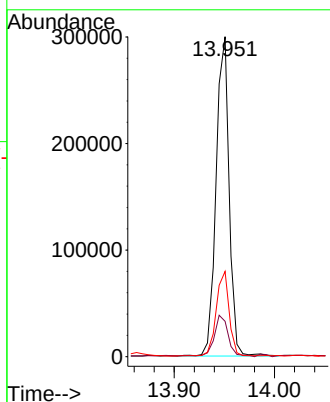
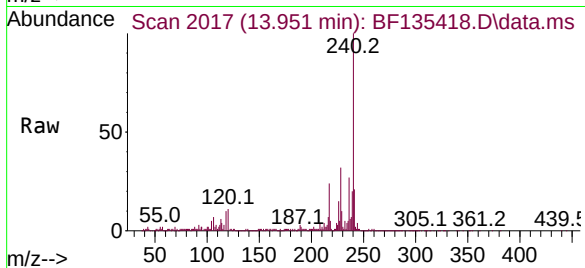
Tgt Ion:240 Resp: 270558

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 26.7 19.8 29.8



#78

Pyrene

Concen: 45.736 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

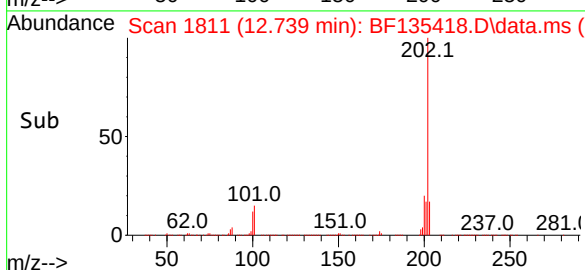
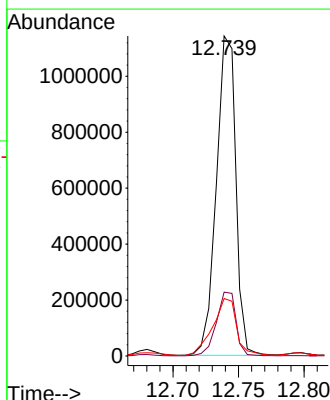
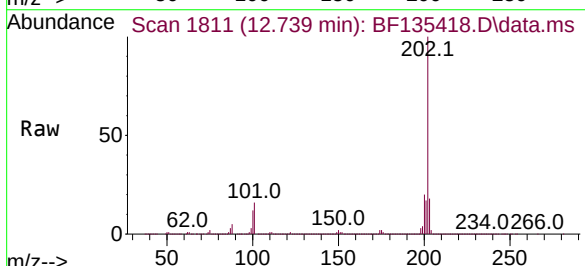
Tgt Ion:202 Resp: 1178112

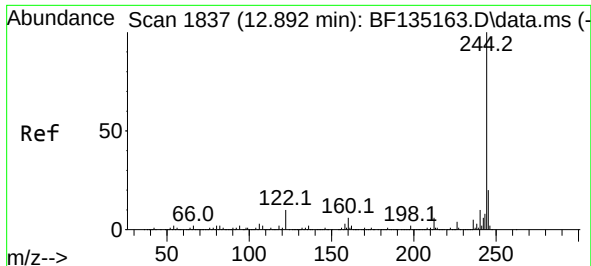
Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

203 18.0 14.2 21.4

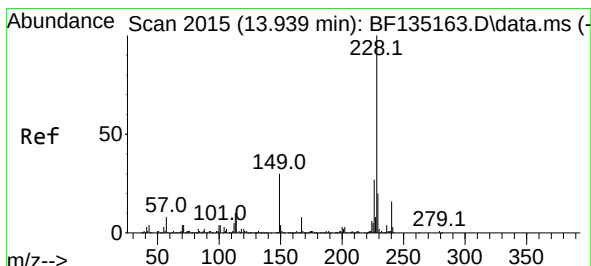
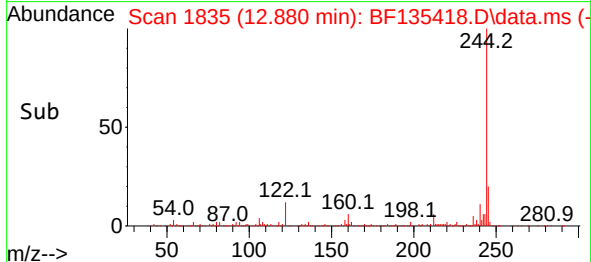
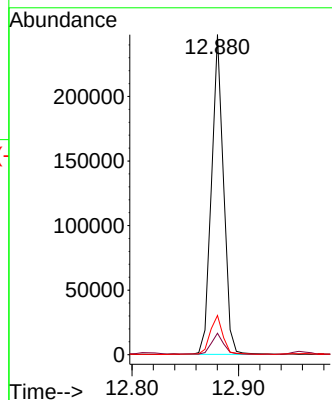
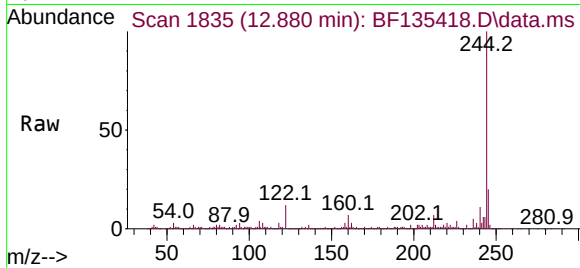




#79
 Terphenyl-d14
 Concen: 11.138 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135418.D
 Acq: 23 Sep 2023 01:08

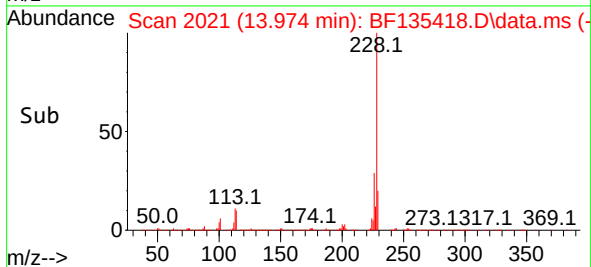
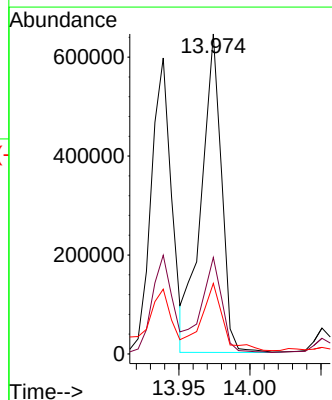
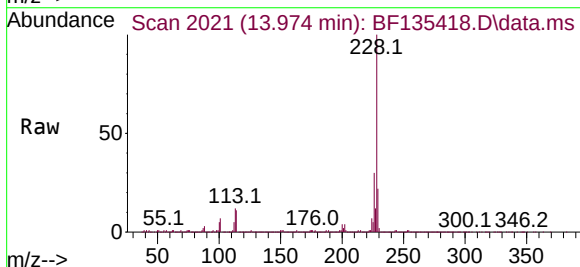
Instrument :
 BNA_F
 ClientSampleId :
 72-11986DL

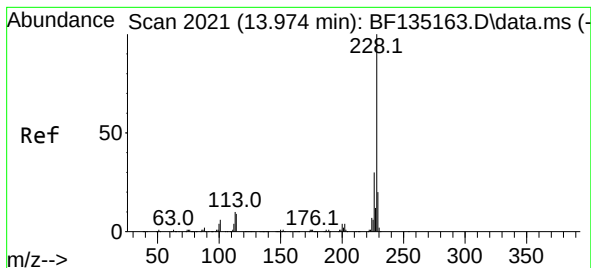
Tgt Ion:244 Resp: 194396
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.2 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 36.651 ng
 RT: 13.974 min Scan# 2021
 Delta R.T. 0.035 min
 Lab File: BF135418.D
 Acq: 23 Sep 2023 01:08

Tgt Ion:228 Resp: 640321
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.7 32.5
 229 22.1 15.8 23.8





#83

Chrysene

Concen: 36.864 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

Instrument :

BNA_F

ClientSampleId :

72-11986DL

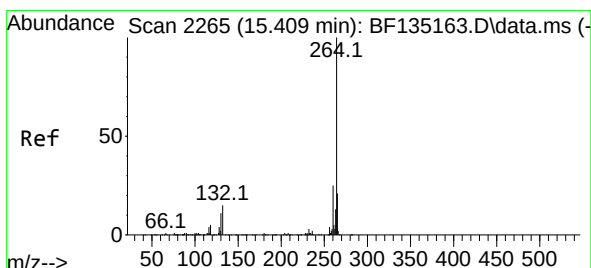
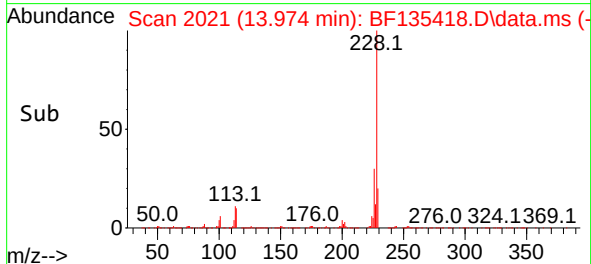
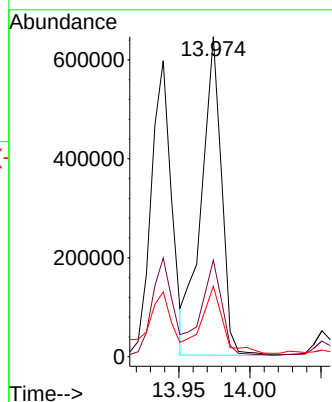
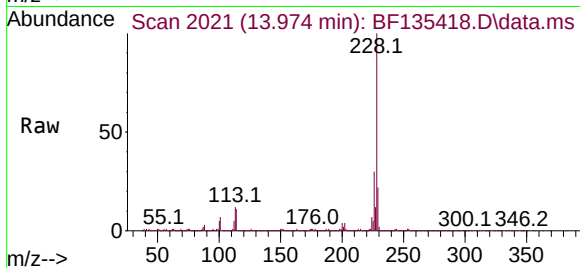
Tgt Ion:228 Resp: 640321

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.1 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.006 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

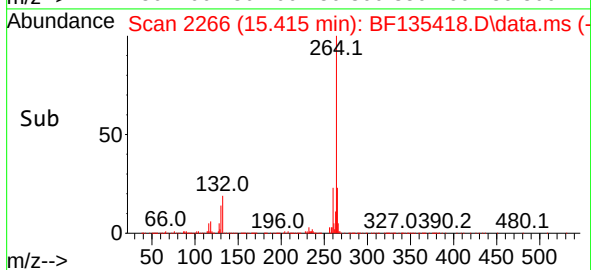
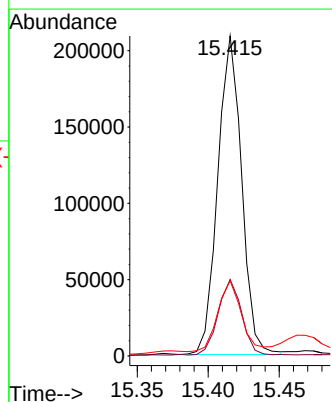
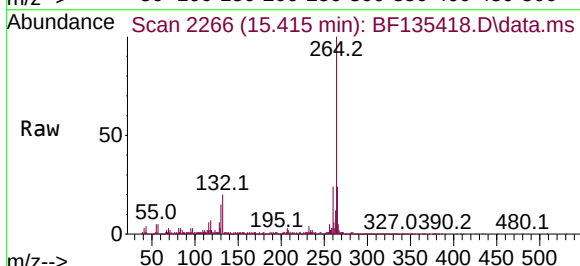
Tgt Ion:264 Resp: 243281

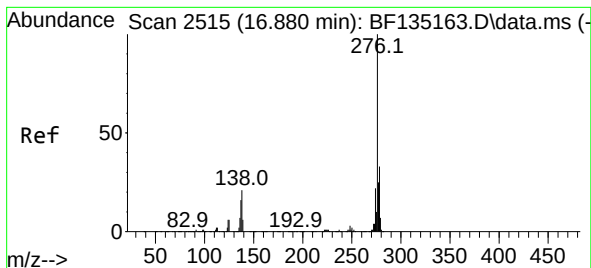
Ion Ratio Lower Upper

264 100

260 23.9 19.8 29.6

265 23.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.482 ng

RT: 16.898 min Scan# 2119

Delta R.T. 0.018 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

Instrument :

BNA_F

ClientSampleId :

72-11986DL

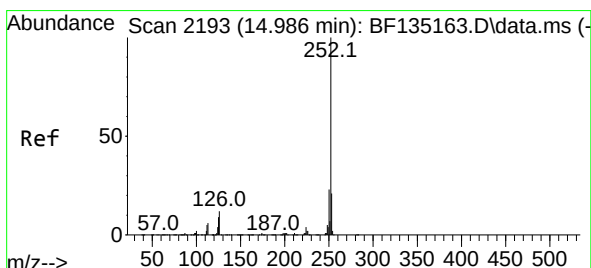
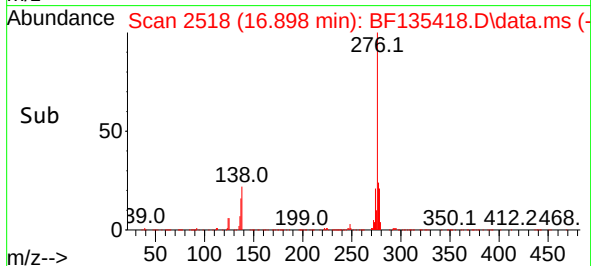
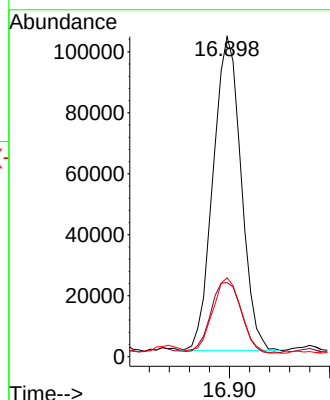
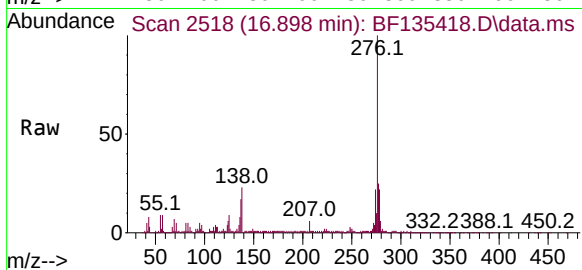
Tgt Ion:276 Resp: 199098

Ion Ratio Lower Upper

276 100

138 24.7 19.2 28.8

277 24.8 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 60.594 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

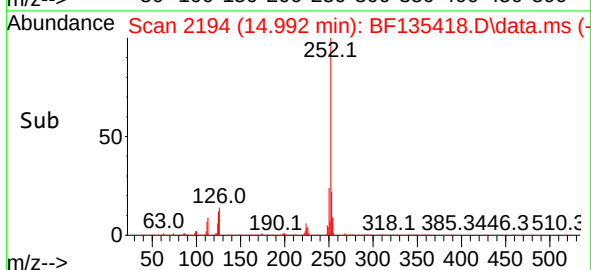
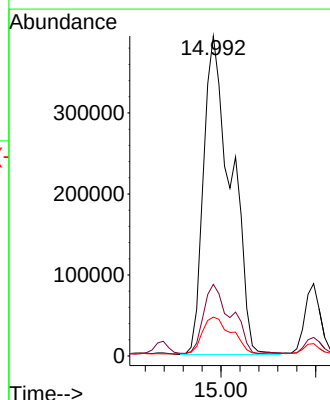
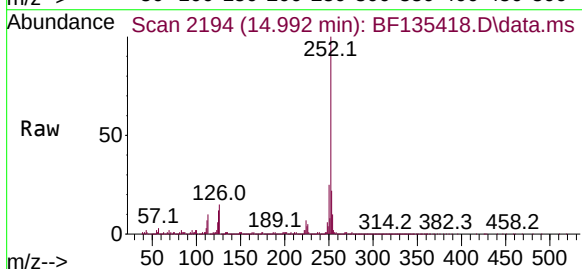
Tgt Ion:252 Resp: 797999

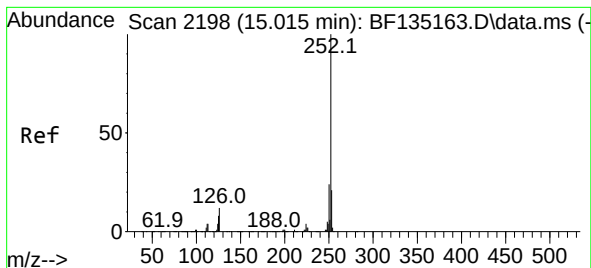
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

125 12.2 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 61.341 ng

RT: 14.992 min Scan# 2198

Delta R.T. -0.023 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

Instrument :

BNA_F

ClientSampleId :

72-11986DL

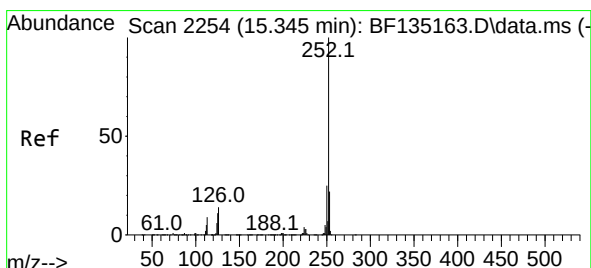
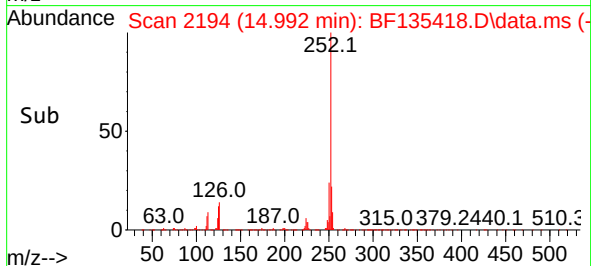
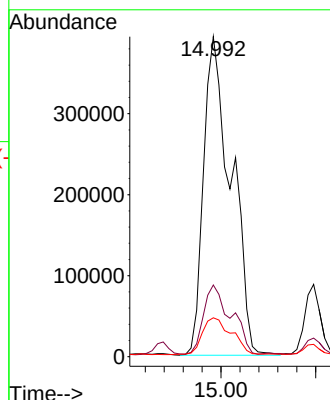
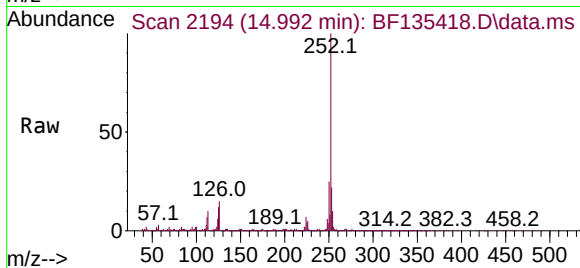
Tgt Ion:252 Resp: 797999

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 12.2 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 31.206 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF135418.D

Acq: 23 Sep 2023 01:08

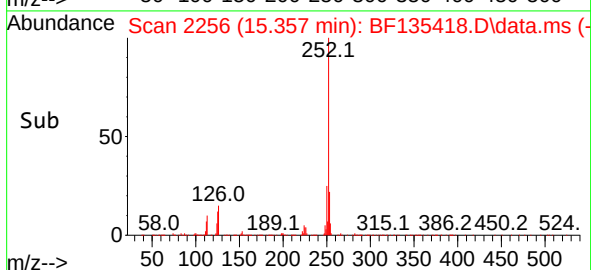
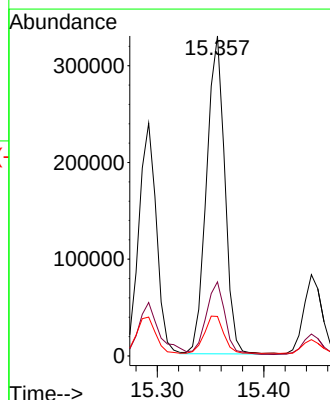
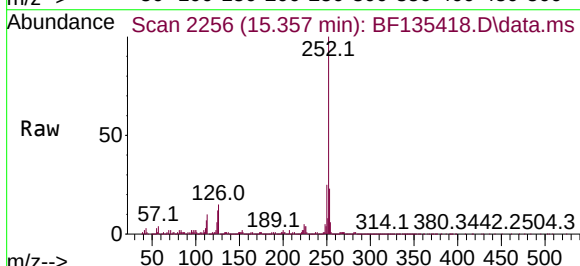
Tgt Ion:252 Resp: 391913

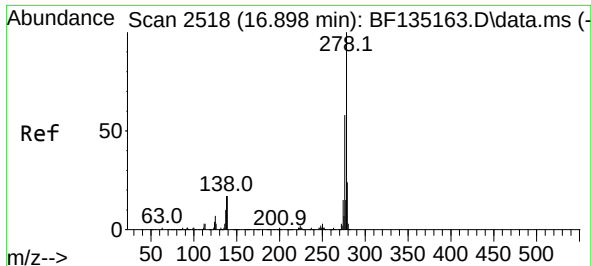
Ion Ratio Lower Upper

252 100

253 23.1 17.5 26.3

125 12.4 9.2 13.8

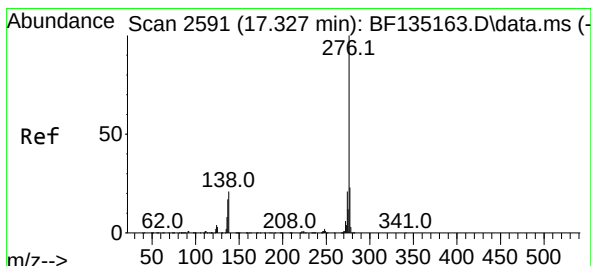
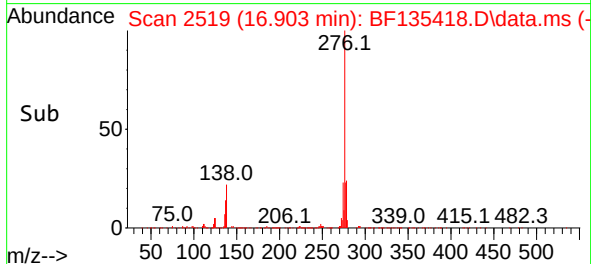
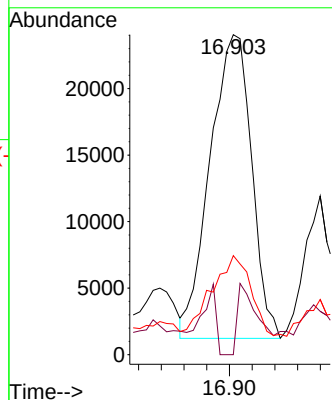
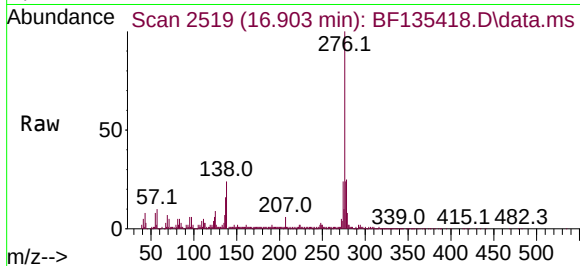




#91
Dibenzo(a,h)anthracene
Concen: 4.443 ng
RT: 16.903 min Scan# 2519
Delta R.T. 0.006 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Instrument :
BNA_F
ClientSampleId :
72-11986DL

Tgt Ion:278 Resp: 57984
Ion Ratio Lower Upper
278 100
139 0.0 13.4 20.0#
279 31.0 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 14.313 ng
RT: 17.345 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF135418.D
Acq: 23 Sep 2023 01:08

Tgt Ion:276 Resp: 195100
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 26.9 16.9 25.3#

