

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135866.D
 Acq On : 19 Oct 2023 00:59
 Operator : CG\JU
 Sample : 04767-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 02:11:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

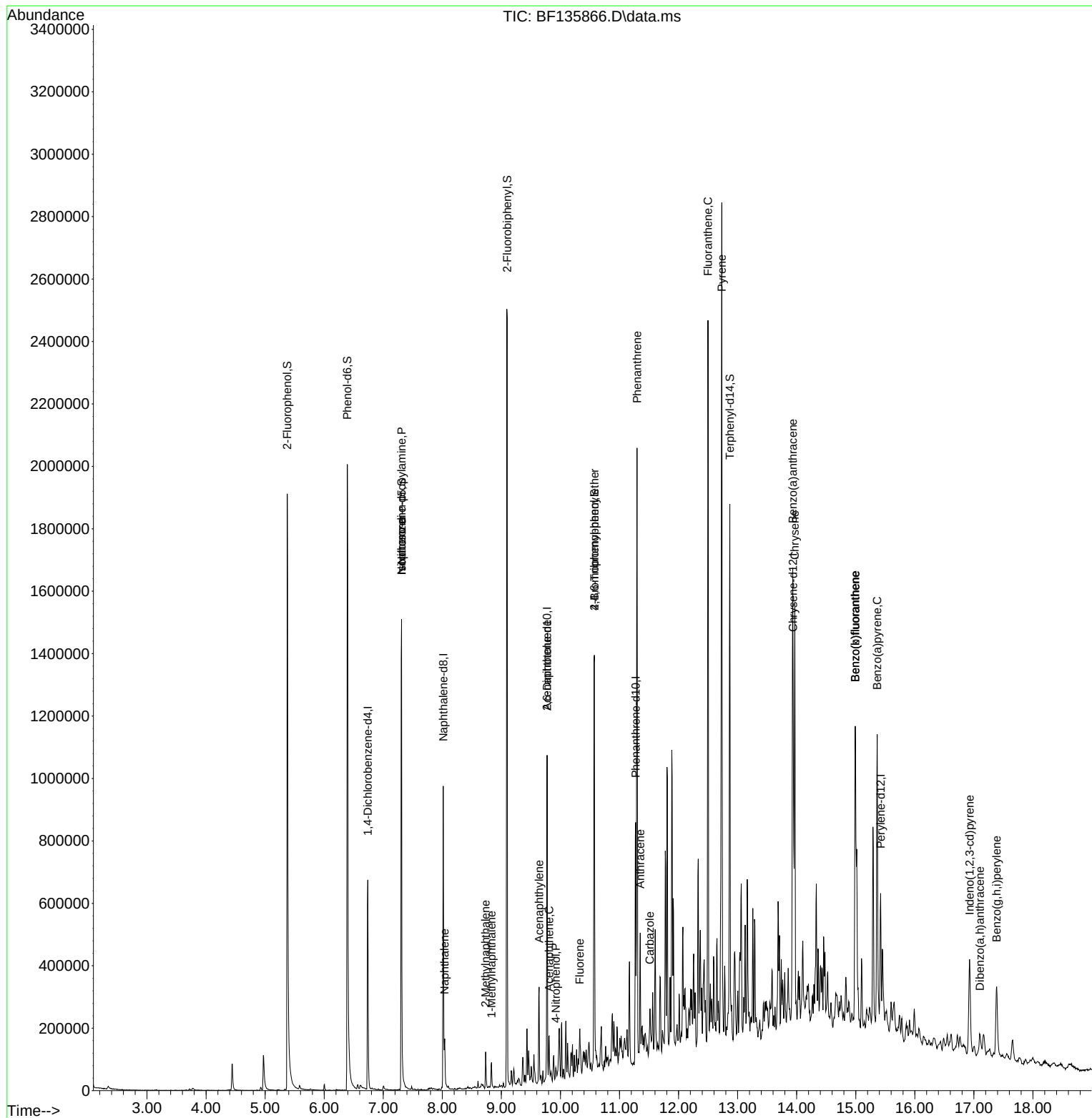
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	102034	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	391224	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	188526	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	300764	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	173373	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	210284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	614484	96.824	ng	0.00
7) Phenol-d6	6.392	99	749322	94.629	ng	0.00
23) Nitrobenzene-d5	7.310	82	478404	67.255	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	174943	96.704	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	814598	67.557	ng	0.00
79) Terphenyl-d14	12.868	244	586145	62.610	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	64375	13.148	ng	# 73
25) Isophorone	7.310	82	478404	35.649	ng	# 66
31) Naphthalene	8.039	128	65560	3.436	ng	99
37) 2-Methylnaphthalene	8.733	142	31132	2.476	ng	94
38) 1-Methylnaphthalene	8.833	142	24066	2.075	ng	99
49) Acenaphthylene	9.639	152	121882	7.076	ng	100
51) 2,6-Dinitrotoluene	9.774	165	25897	9.462	ng	# 17
52) Acenaphthene	9.810	154	31942	3.094	ng	99
56) 4-Nitrophenol	9.922	139	454	5.767	ng	# 59
58) Fluorene	10.327	166	45527	3.733	ng	99
67) 4-Bromophenyl-phenylether	10.574	248	10556	3.496	ng	# 1
71) Phenanthrene	11.298	178	698285	48.465	ng	100
72) Anthracene	11.351	178	161617	10.825	ng	98
73) Carbazole	11.516	167	33145	2.380	ng	92
75) Fluoranthene	12.498	202	931383	58.244	ng	99
78) Pyrene	12.733	202	1155510	83.872	ng	99
81) Benzo(a)anthracene	13.933	228	547319	48.062	ng	95
83) Chrysene	13.968	228	528520	47.917	ng	97
87) Indeno(1,2,3-cd)pyrene	16.927	276	206159	17.993	ng	# 93
88) Benzo(b)fluoranthene	14.992	252	748649	63.613	ng	99
89) Benzo(k)fluoranthene	14.992	252	748649	65.522	ng	98
90) Benzo(a)pyrene	15.362	252	481642	43.522	ng	98
91) Dibenzo(a,h)anthracene	17.103	278	51356	5.468	ng	95
92) Benzo(g,h,i)perylene	17.386	276	199389	20.665	ng	96

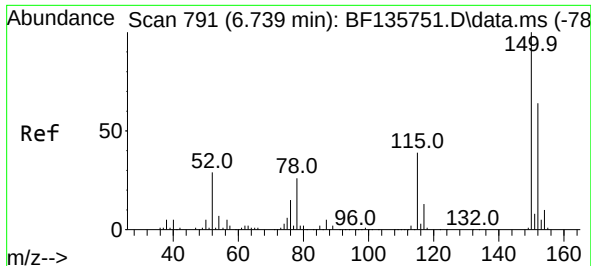
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135866.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

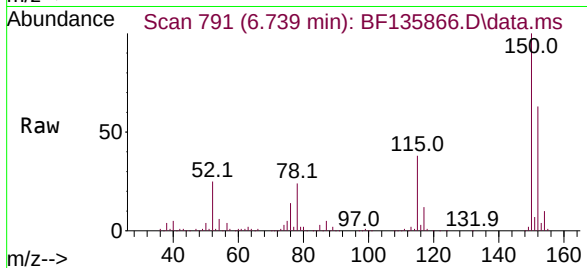
Quant Time: Oct 19 02:11:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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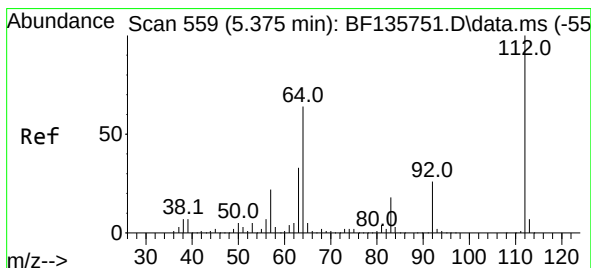
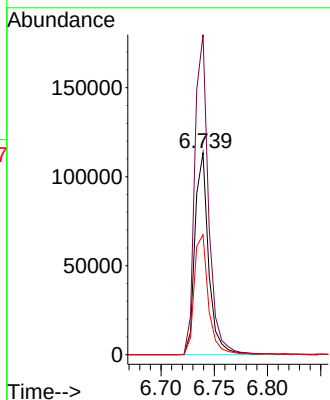
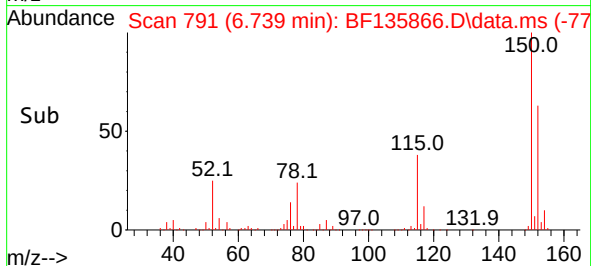


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

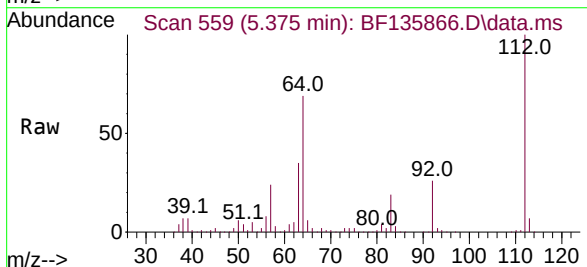
Instrument :
BNA_F
ClientSampleId :



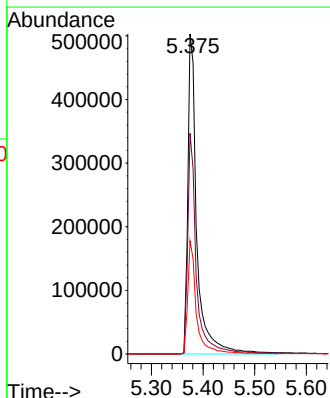
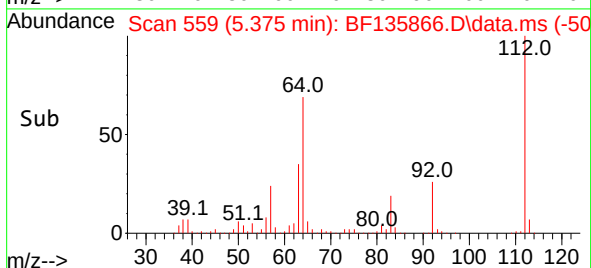
Tgt Ion:152 Resp: 102034
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 59.4 49.0 73.4

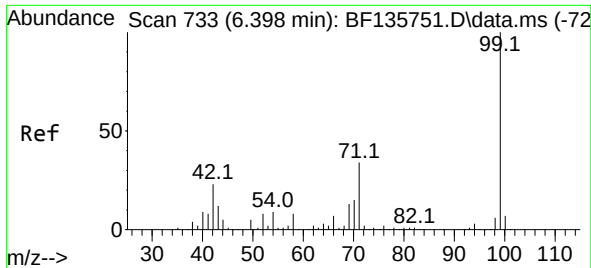


#5
2-Fluorophenol
Concen: 96.824 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59



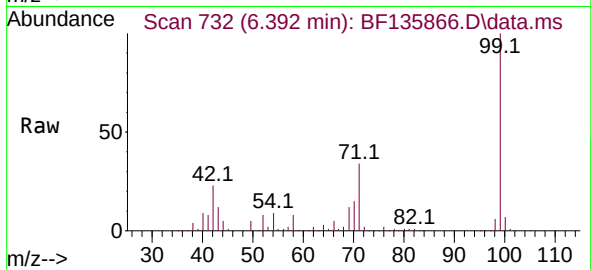
Tgt Ion:112 Resp: 614484
Ion Ratio Lower Upper
112 100
64 68.9 51.2 76.8
63 35.3 26.1 39.1



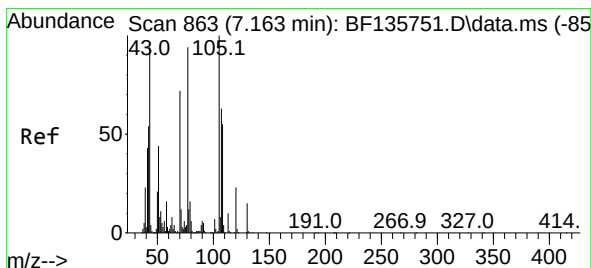
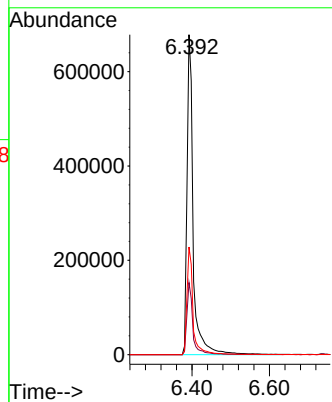
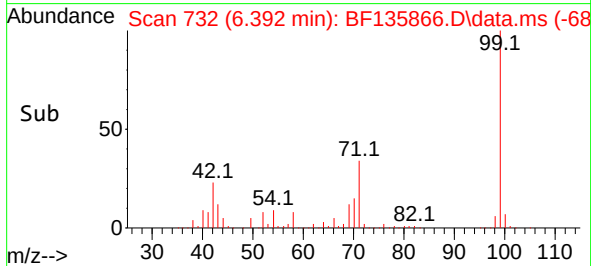


#7
Phenol-d6
Concen: 94.629 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

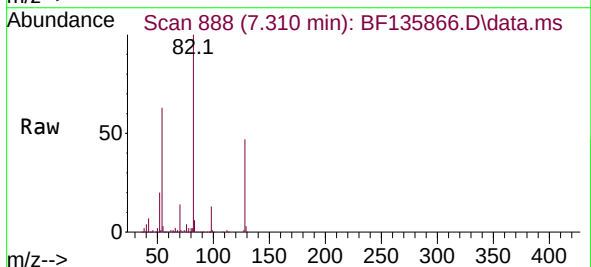
Instrument :
BNA_F
ClientSampleId :



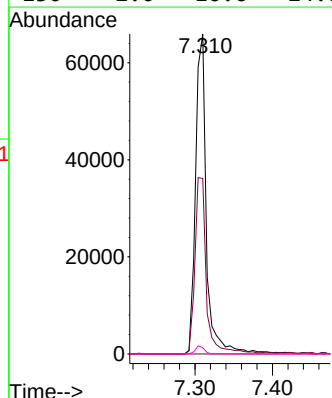
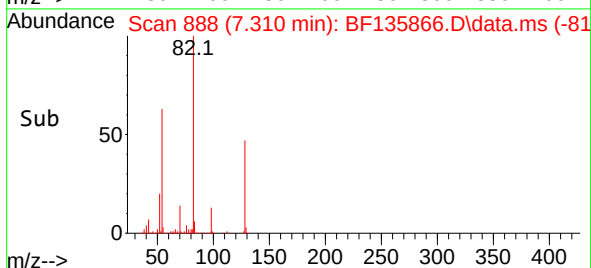
Tgt Ion: 99 Resp: 749322
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 33.7 27.2 40.8

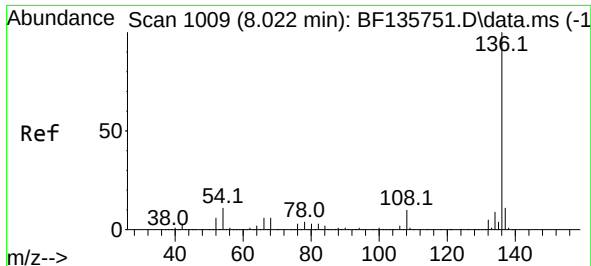


#19
n-Nitroso-di-n-propylamine
Concen: 13.148 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.147 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59



Tgt Ion: 70 Resp: 64375
Ion Ratio Lower Upper
70 100
42 54.8 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#

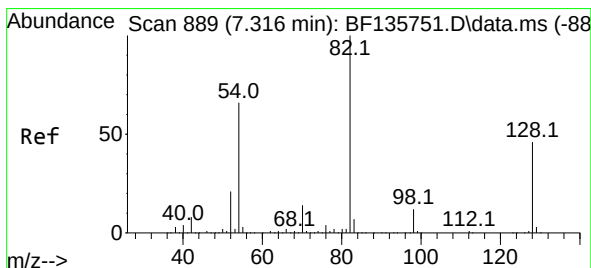
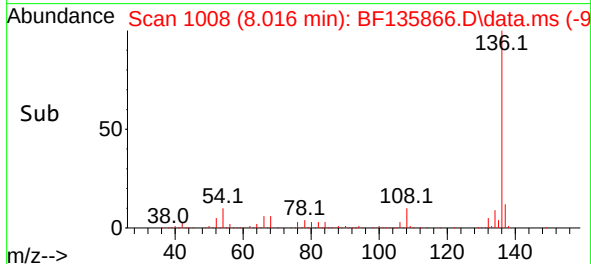
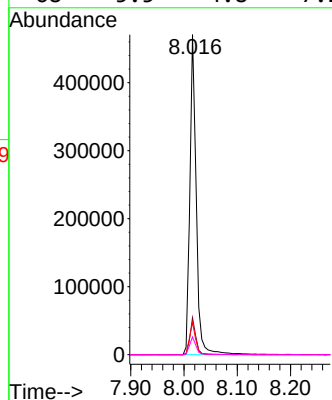
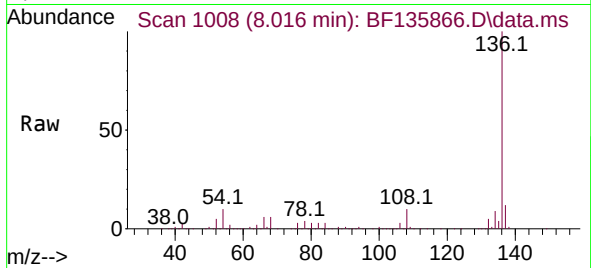




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

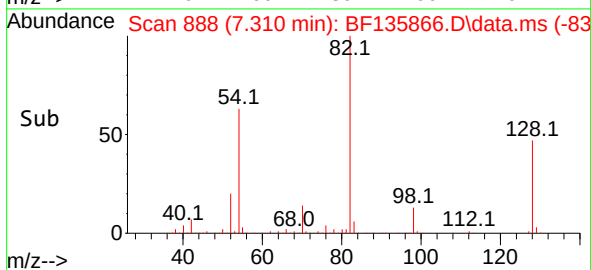
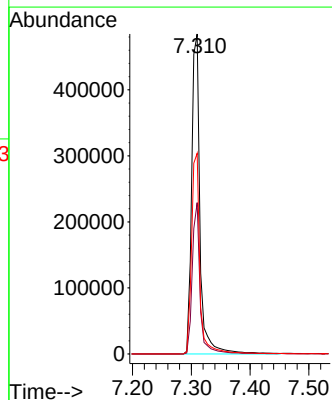
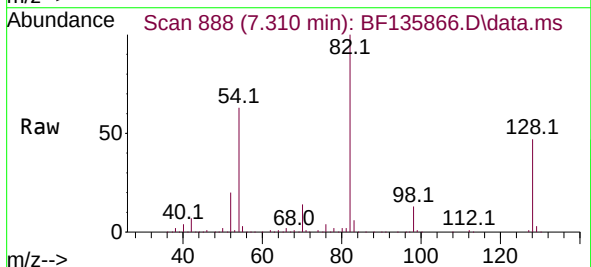
Instrument :
BNA_F
ClientSampleId :

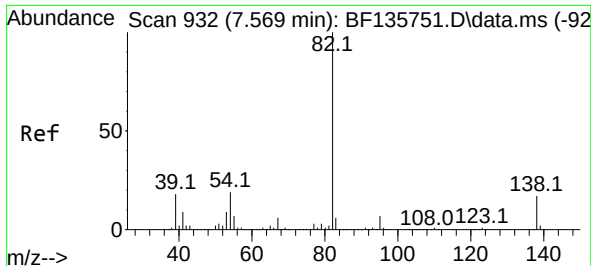
Tgt Ion:136 Resp: 391224
Ion Ratio Lower Upper
136 100
137 11.6 8.6 12.8
54 10.1 8.5 12.7
68 5.5 4.8 7.2



#23
Nitrobenzene-d5
Concen: 67.255 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion: 82 Resp: 478404
Ion Ratio Lower Upper
82 100
128 47.3 37.0 55.6
54 62.7 52.8 79.2

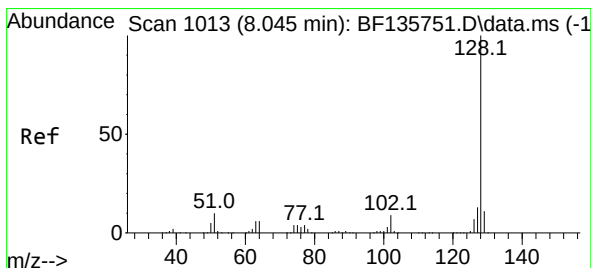
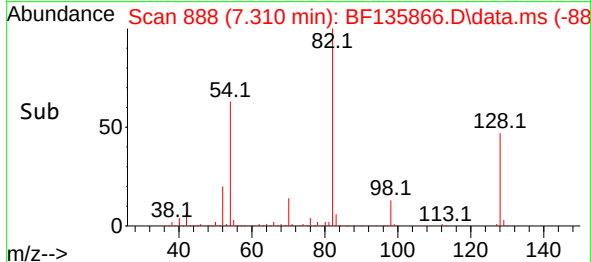
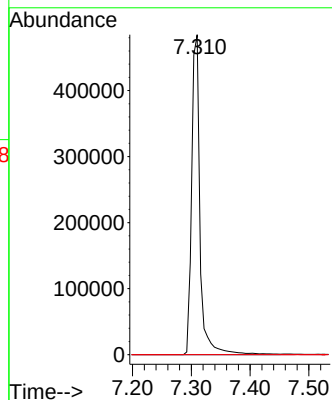
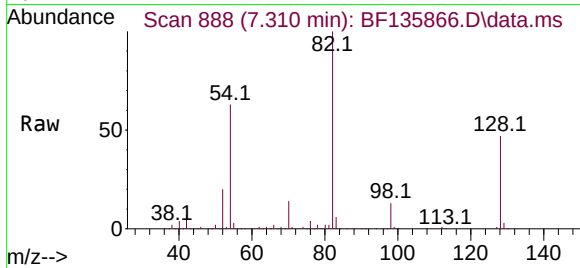




#25
Isophorone
Concen: 35.649 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

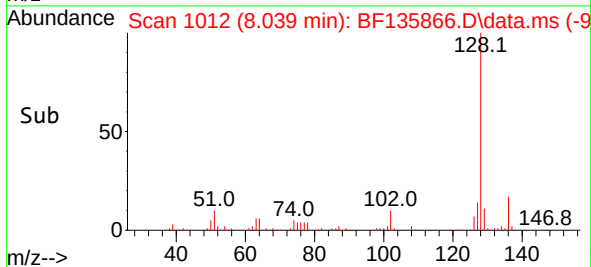
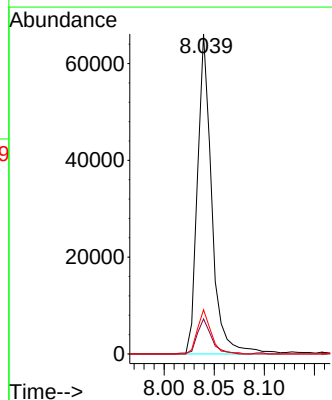
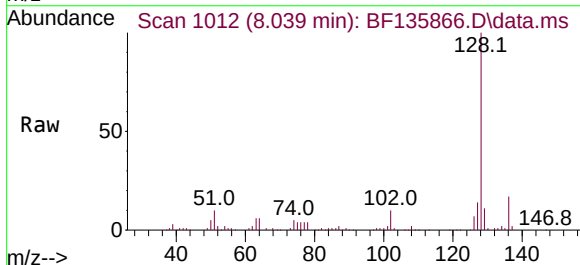
Instrument :
BNA_F
ClientSampleId :

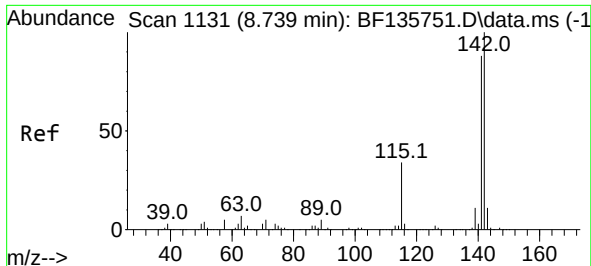
Tgt Ion: 82 Resp: 478404
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 3.436 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion:128 Resp: 65560
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.8 10.2 15.4

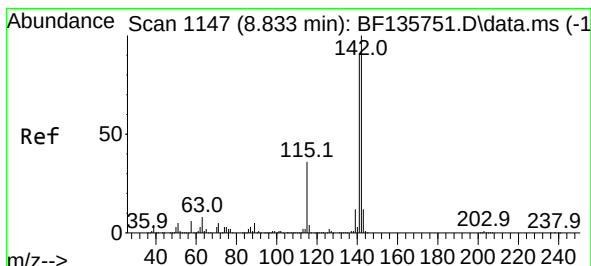
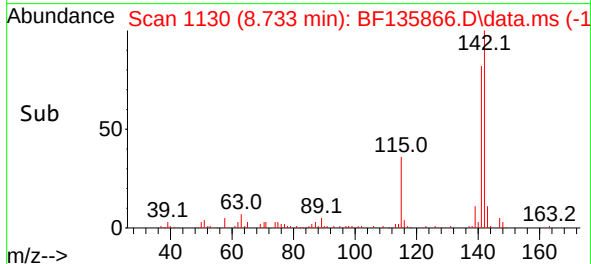
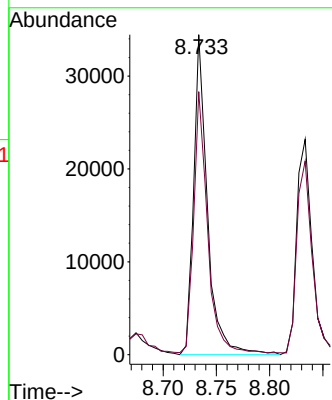
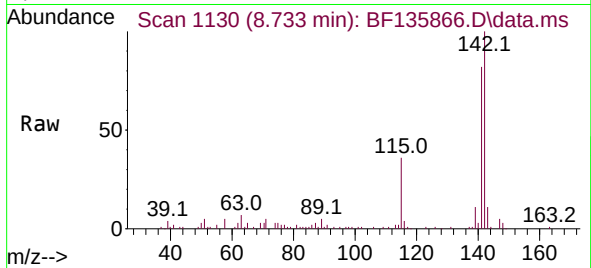




#37
2-Methylnaphthalene
Concen: 2.476 ng
RT: 8.733 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

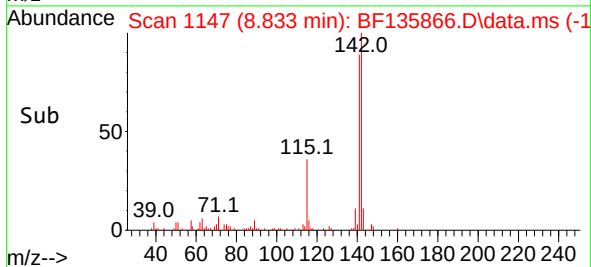
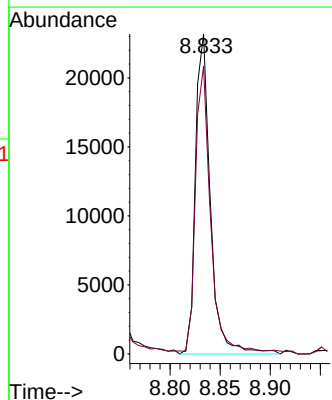
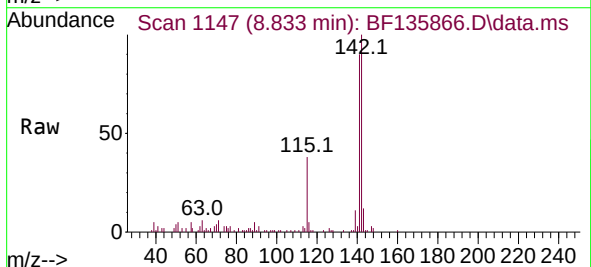
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BNA_F
ClientSampleId :

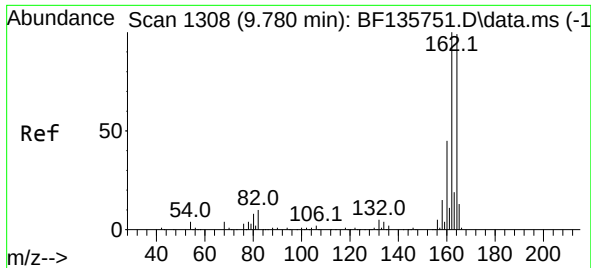
Tgt Ion:142 Resp: 31132
Ion Ratio Lower Upper
142 100
141 82.2 70.6 105.8



#38
1-Methylnaphthalene
Concen: 2.075 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

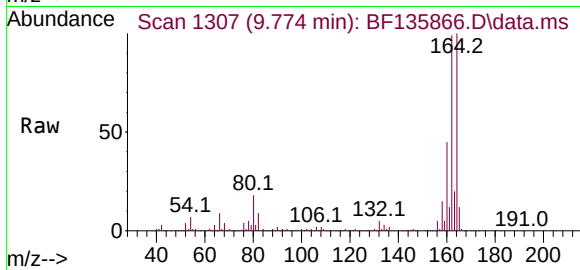
Tgt Ion:142 Resp: 24066
Ion Ratio Lower Upper
142 100
141 89.9 72.7 109.1



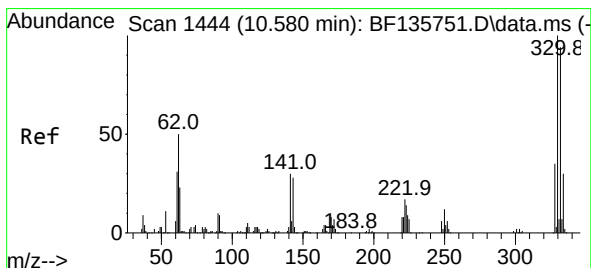
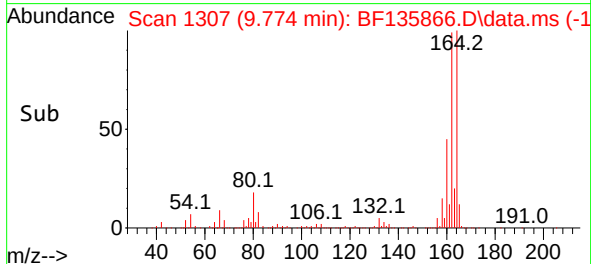
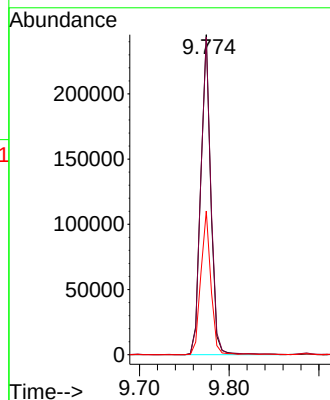


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Instrument :
BNA_F
ClientSampleId :

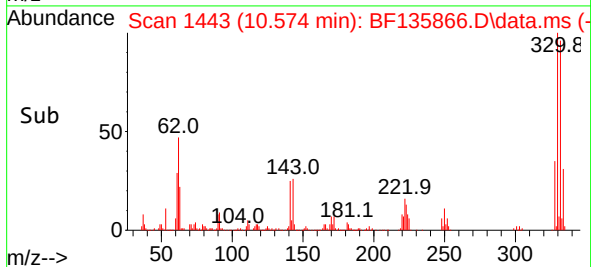
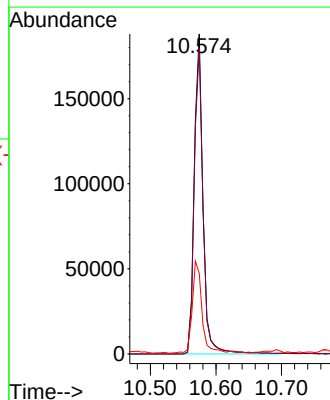
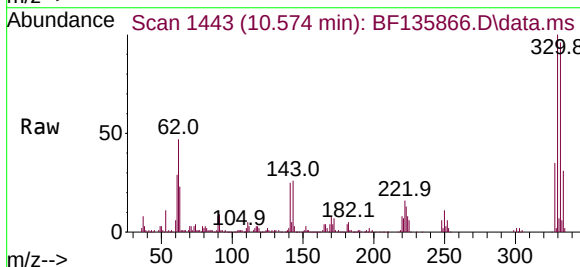


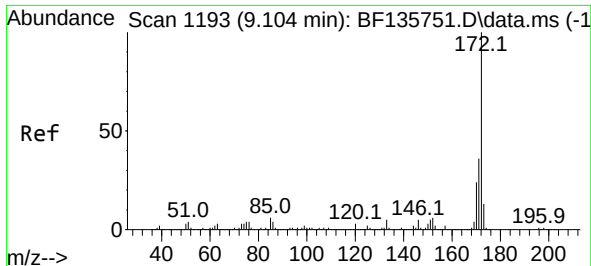
Tgt Ion:164 Resp: 188526
Ion Ratio Lower Upper
164 100
162 99.2 80.8 121.2
160 44.9 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 96.704 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion:330 Resp: 174943
Ion Ratio Lower Upper
330 100
332 96.0 75.0 112.4
141 32.1 25.8 38.6

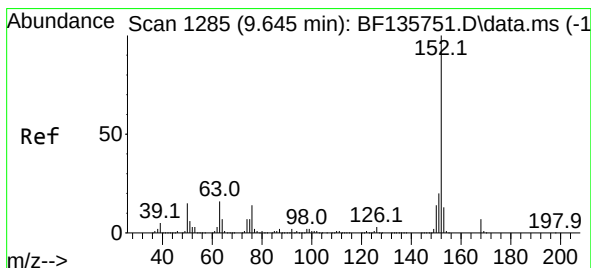
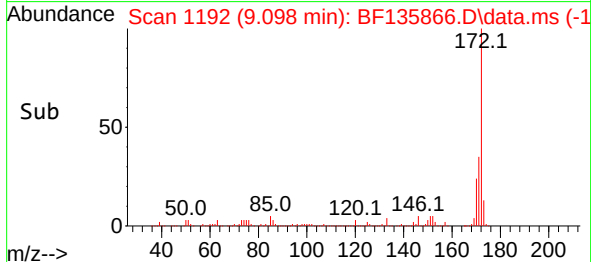
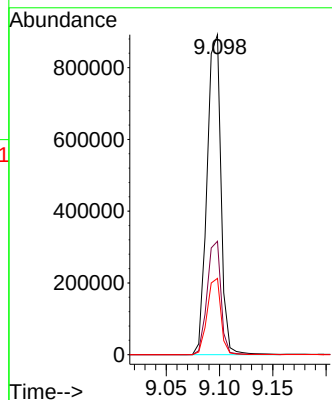
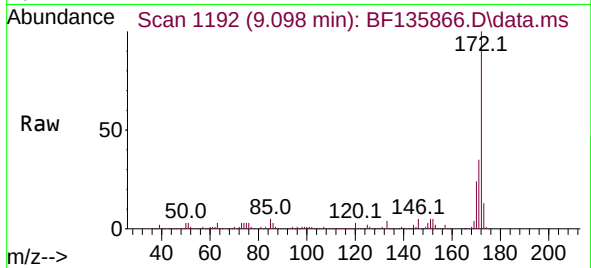




#45
2-Fluorobiphenyl
Concen: 67.557 ng
RT: 9.098 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

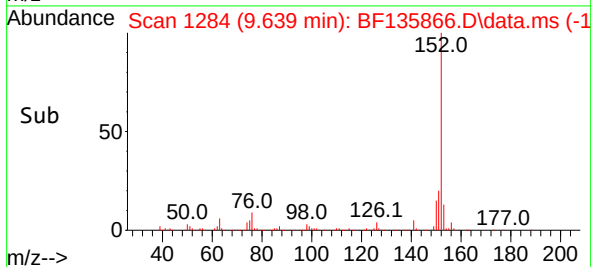
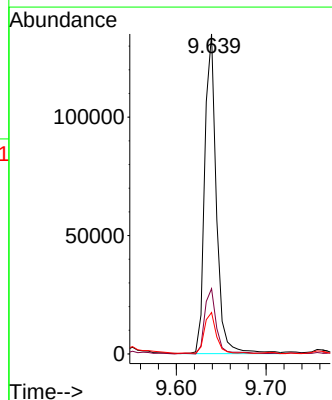
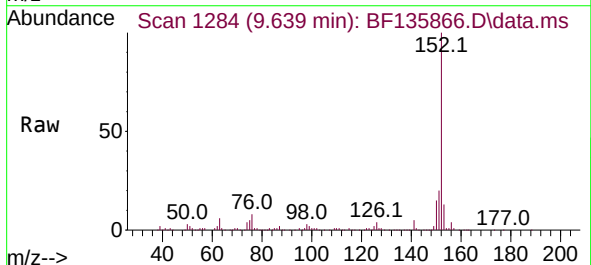
Instrument :
BNA_F
ClientSampleId :

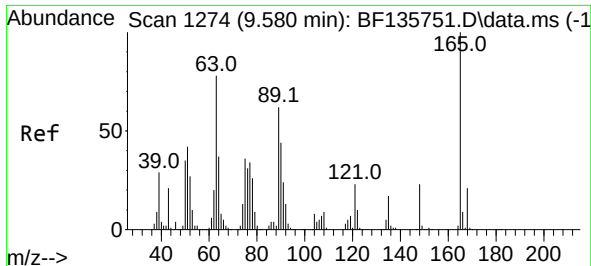
Tgt Ion:172 Resp: 814598
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.8 18.8 28.2



#49
Acenaphthylene
Concen: 7.076 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion:152 Resp: 121882
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.0 10.2 15.4





#51

2,6-Dinitrotoluene

Concen: 9.462 ng

RT: 9.774 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

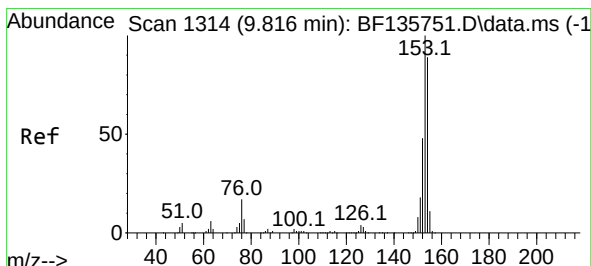
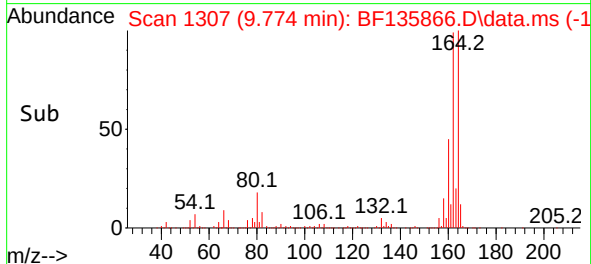
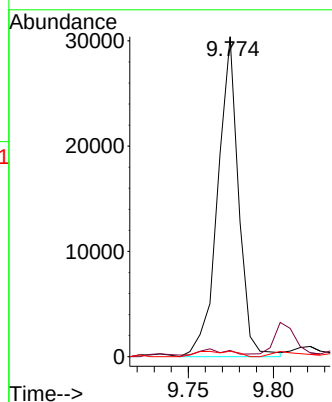
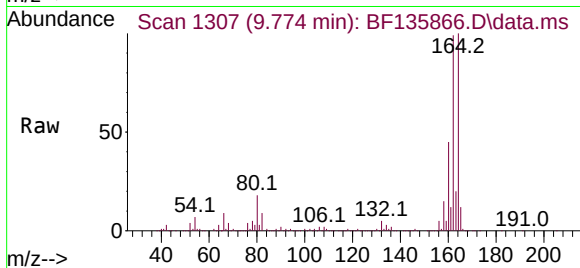
Tgt Ion:165 Resp: 25897

Ion Ratio Lower Upper

165 100

63 1.9 62.2 93.4#

89 1.7 49.6 74.4#



#52

Acenaphthene

Concen: 3.094 ng

RT: 9.810 min Scan# 1313

Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

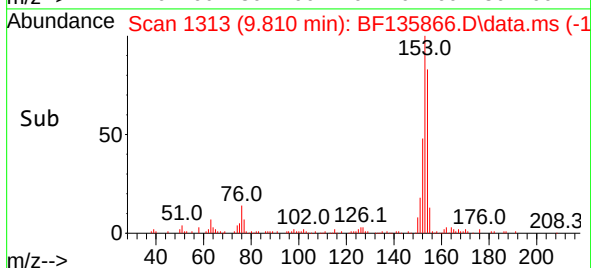
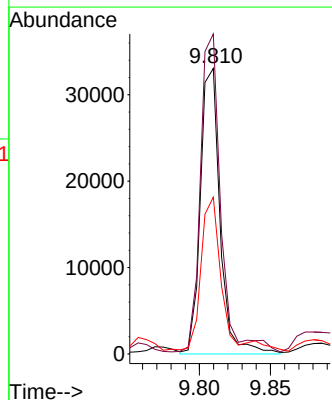
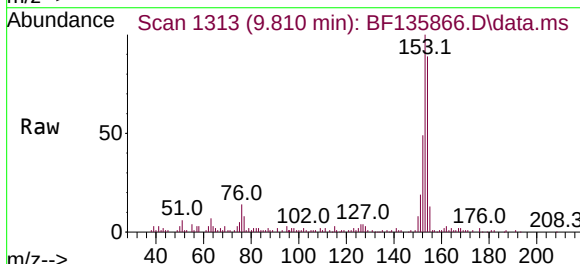
Tgt Ion:154 Resp: 31942

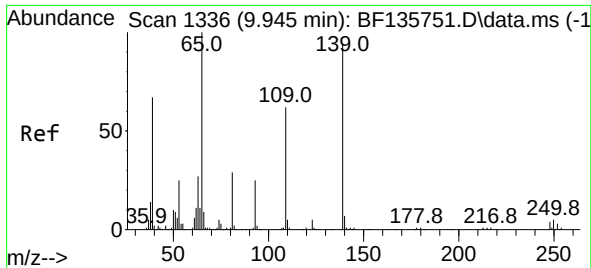
Ion Ratio Lower Upper

154 100

153 112.0 90.1 135.1

152 54.9 43.1 64.7

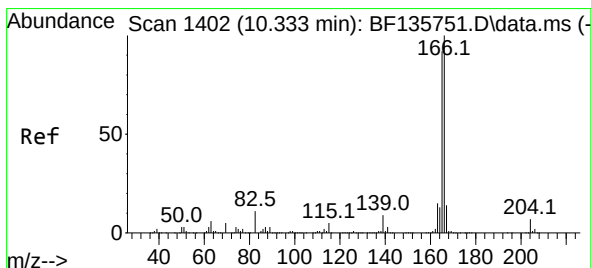
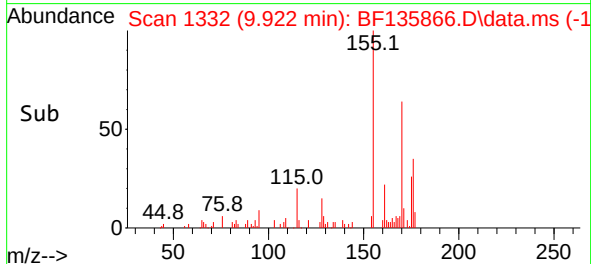
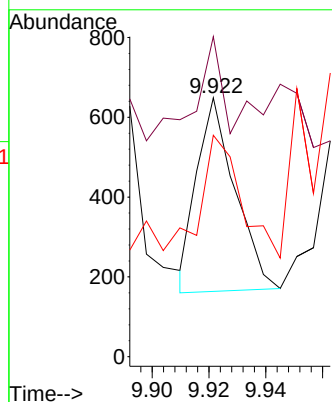
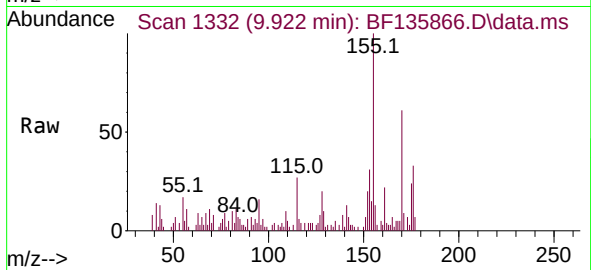




#56
4-Nitrophenol
Concen: 5.767 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

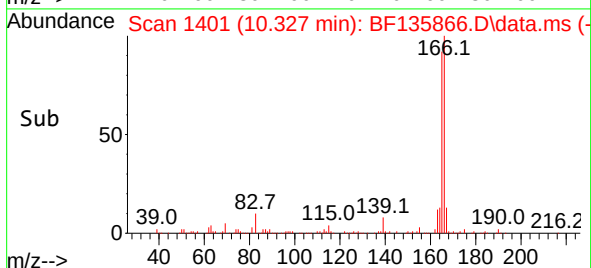
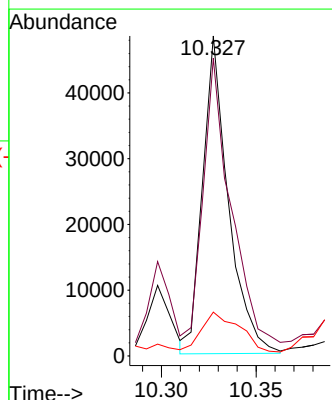
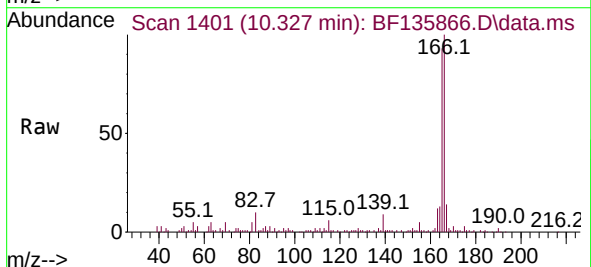
Instrument :
BNA_F
ClientSampleId :

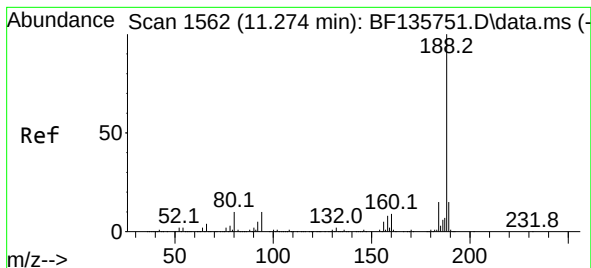
Tgt Ion:139 Resp: 454
Ion Ratio Lower Upper
139 100
109 123.6 45.6 85.6#
65 85.5 87.5 127.5#



#58
Fluorene
Concen: 3.733 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion:166 Resp: 45527
Ion Ratio Lower Upper
166 100
165 93.1 73.4 110.0
167 13.7 11.0 16.6

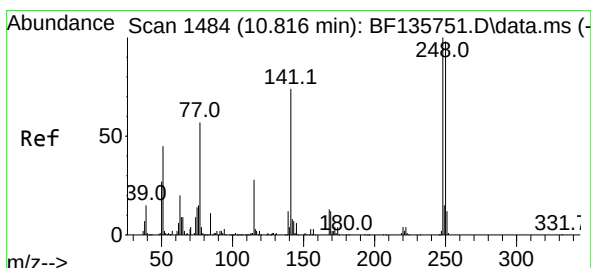
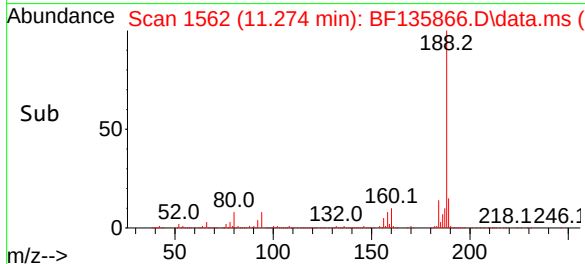
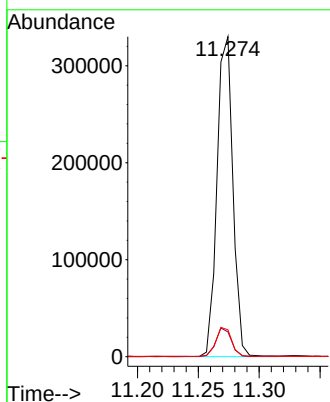
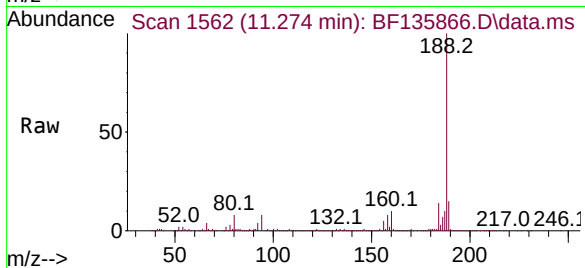




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

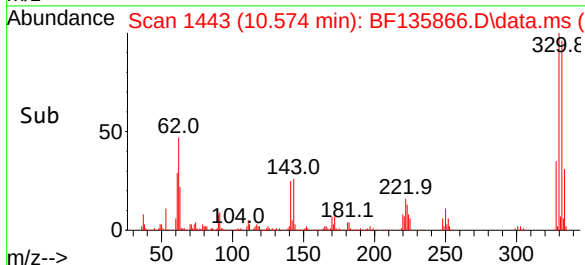
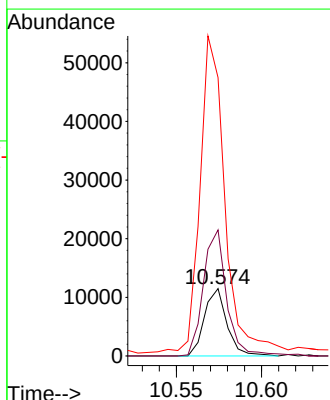
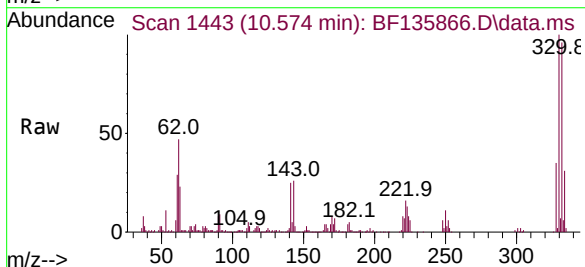
Instrument :
BNA_F
ClientSampleId :

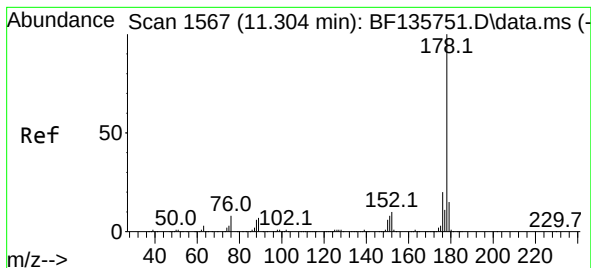
Tgt Ion:188 Resp: 300764
Ion Ratio Lower Upper
188 100
94 7.7 8.0 12.0#
80 8.4 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.496 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.247 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion:248 Resp: 10556
Ion Ratio Lower Upper
248 100
250 187.2 78.0 117.0#
141 413.3 59.0 88.6#





#71

Phenanthrene

Concen: 48.465 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

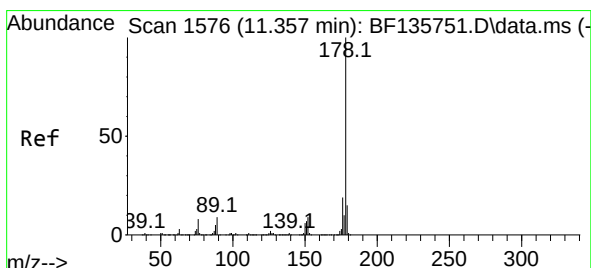
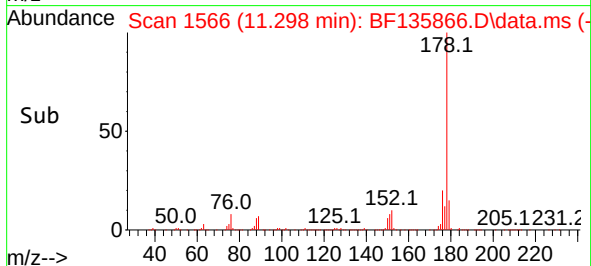
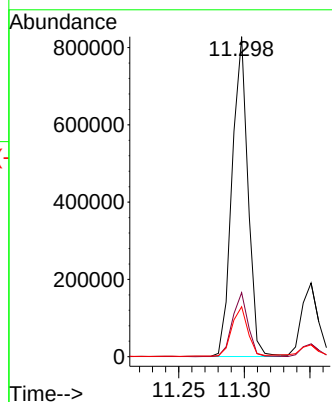
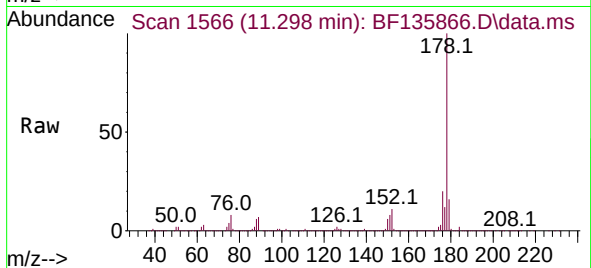
Tgt Ion:178 Resp: 698285

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

179 15.6 12.2 18.4



#72

Anthracene

Concen: 10.825 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

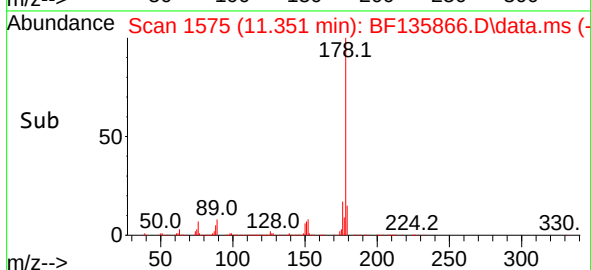
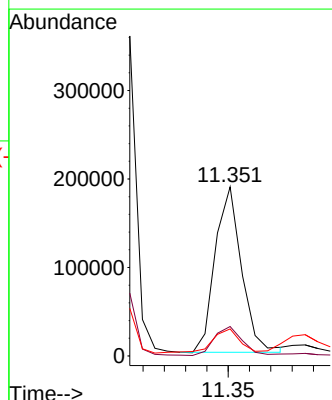
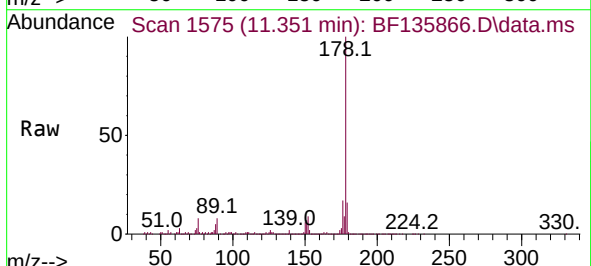
Tgt Ion:178 Resp: 161617

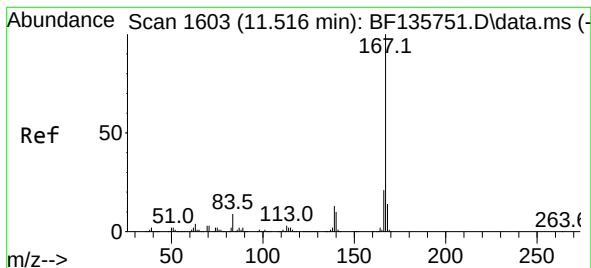
Ion Ratio Lower Upper

178 100

176 17.4 15.1 22.7

179 16.0 12.3 18.5





#73

Carbazole

Concen: 2.380 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135866.D

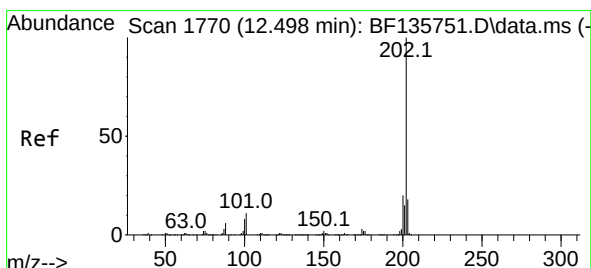
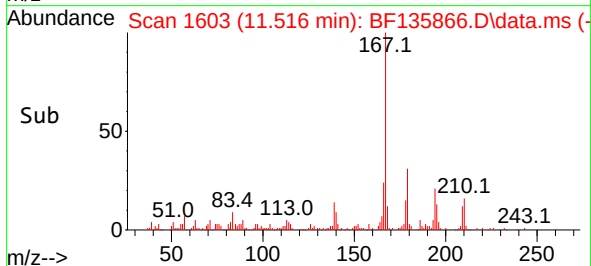
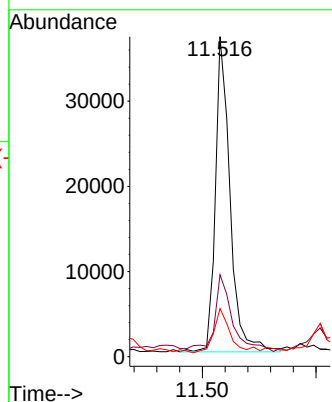
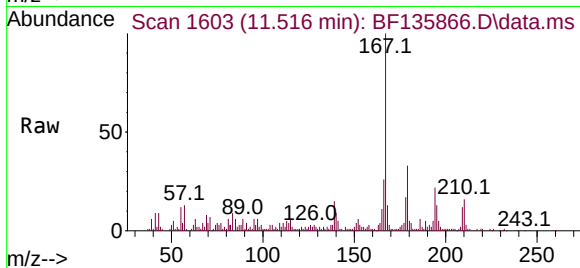
Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:167	Resp:	33145
Ion Ratio	Lower	Upper
167	100	
166	25.6	17.1 25.7
139	15.1	10.2 15.4



#75

Fluoranthene

Concen: 58.244 ng

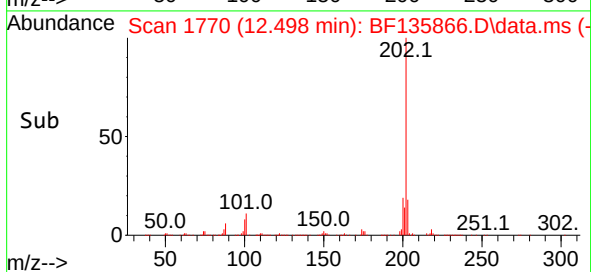
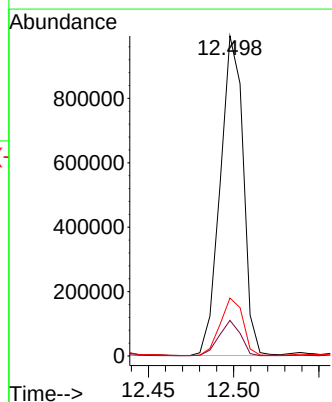
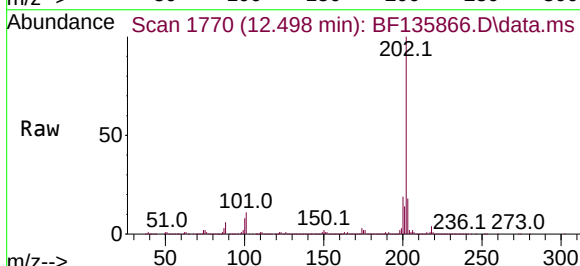
RT: 12.498 min Scan# 1770

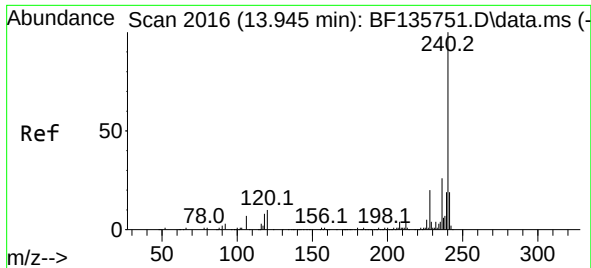
Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Tgt Ion:202	Resp:	931383
Ion Ratio	Lower	Upper
202	100	
101	11.1	0.0 31.5
203	18.1	0.0 38.3

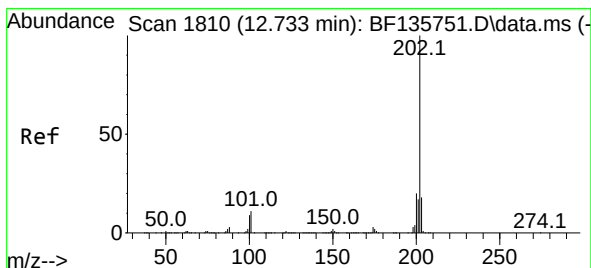
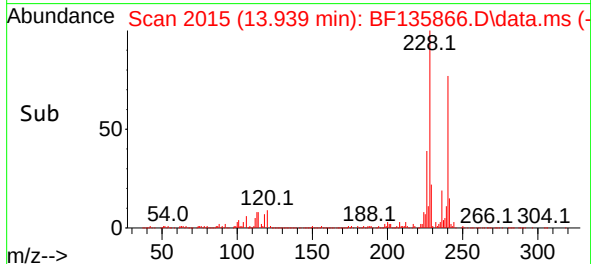
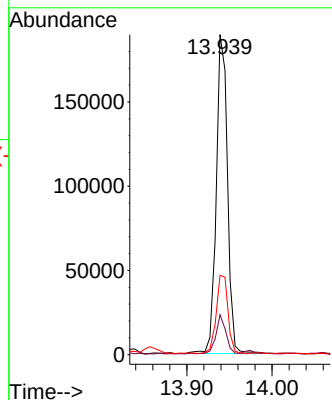
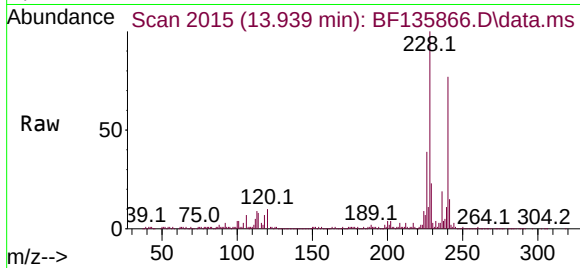




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

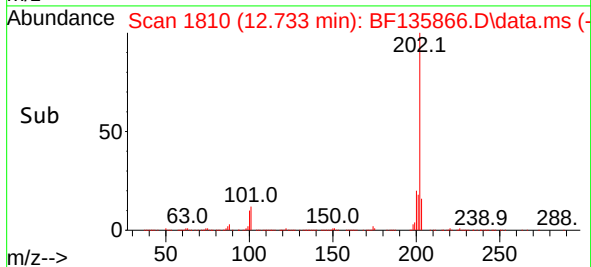
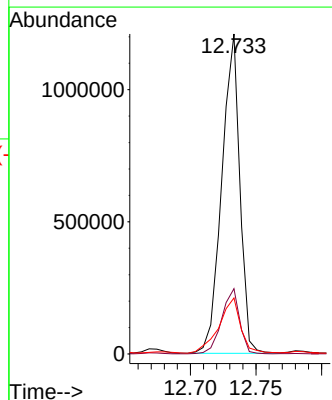
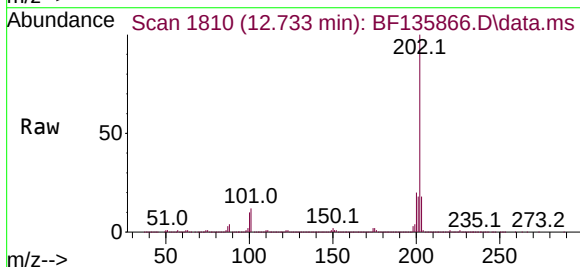
Instrument :
BNA_F
ClientSampleId :

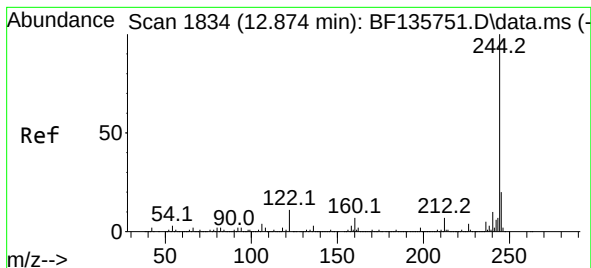
Tgt Ion:240 Resp: 173373
Ion Ratio Lower Upper
240 100
120 12.5 8.2 12.2#
236 24.8 21.2 31.8



#78
Pyrene
Concen: 83.872 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.000 min
Lab File: BF135866.D
Acq: 19 Oct 2023 00:59

Tgt Ion:202 Resp: 1155510
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 62.610 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

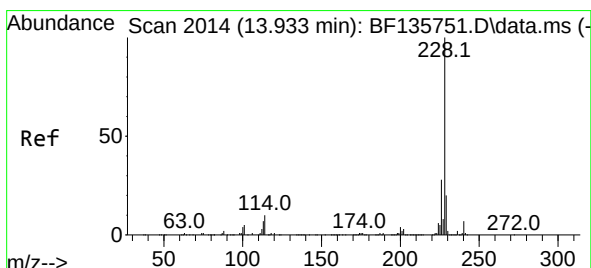
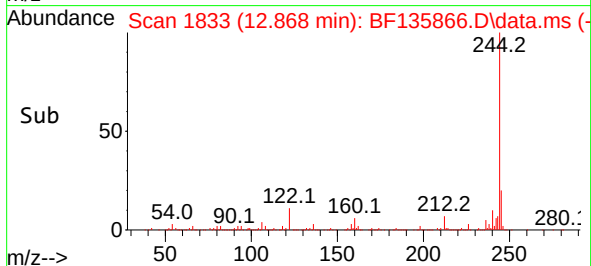
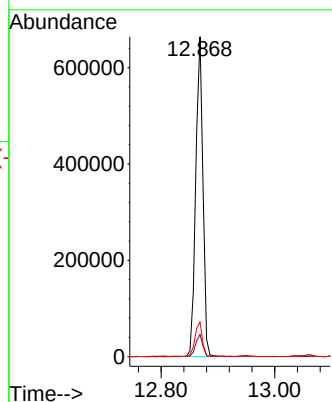
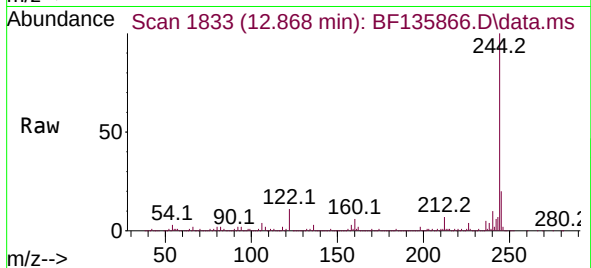
Tgt Ion:244 Resp: 586145

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.8 9.0 13.6



#81

Benzo(a)anthracene

Concen: 48.062 ng

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

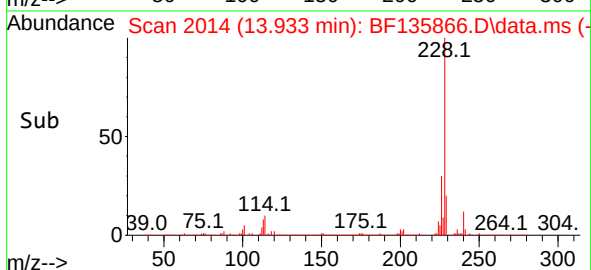
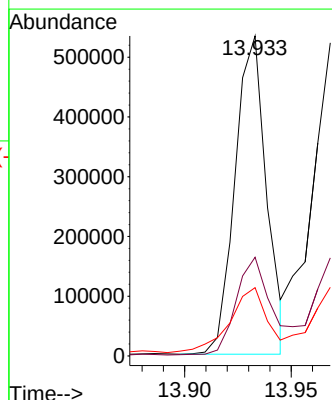
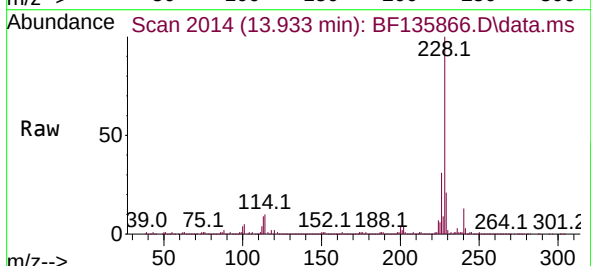
Tgt Ion:228 Resp: 547319

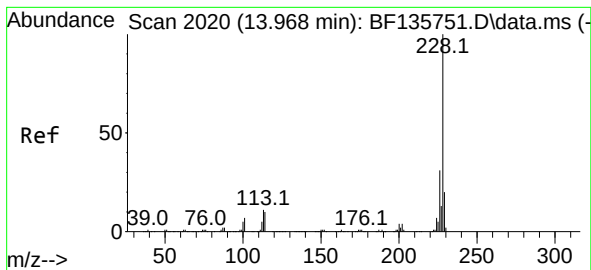
Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.2

229 21.3 16.1 24.1





#83

Chrysene

Concen: 47.917 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

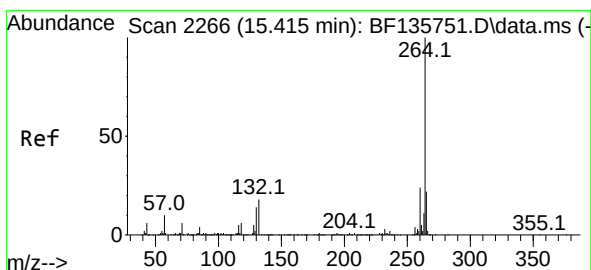
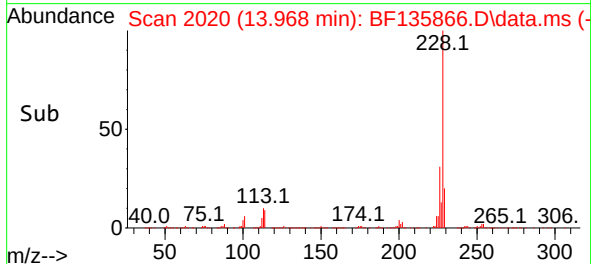
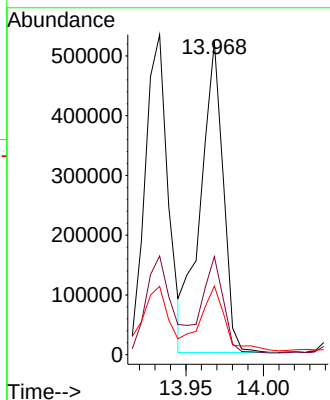
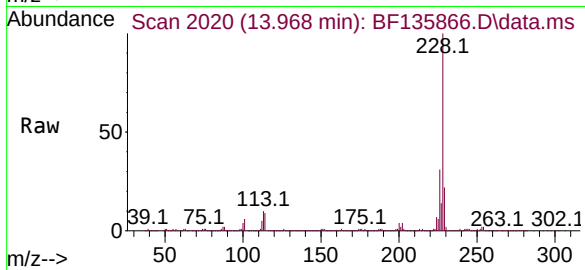
Tgt Ion:228 Resp: 528520

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.000 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

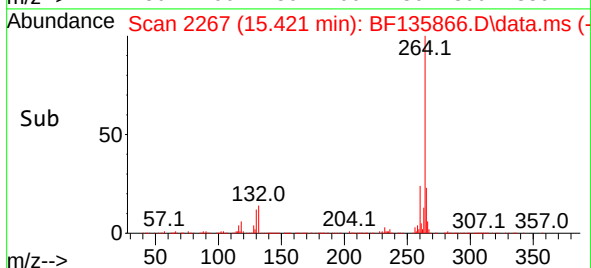
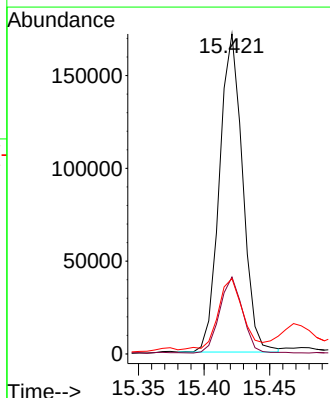
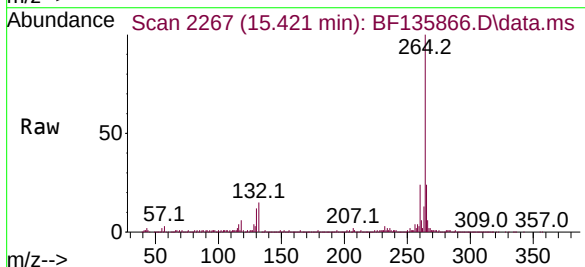
Tgt Ion:264 Resp: 210284

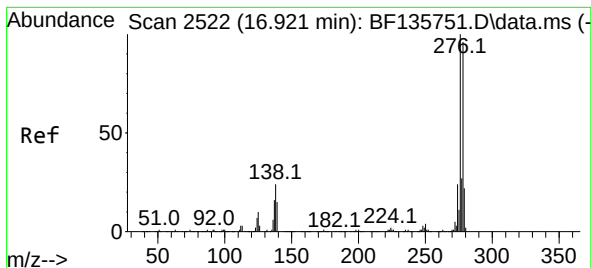
Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.993 ng

RT: 16.927 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

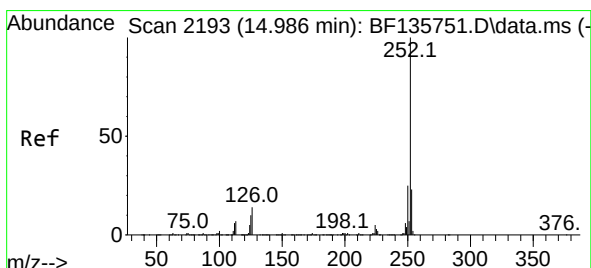
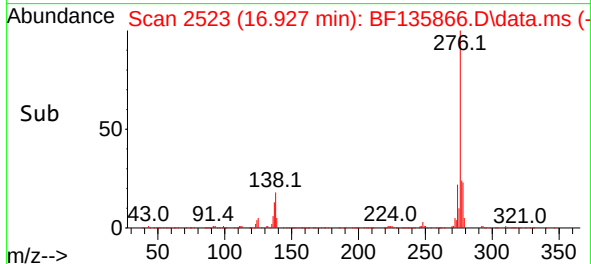
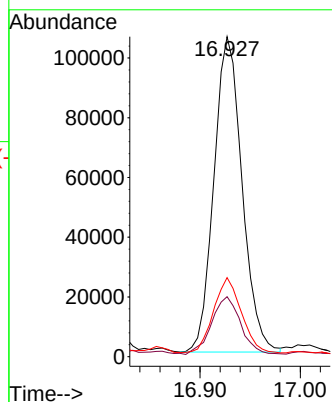
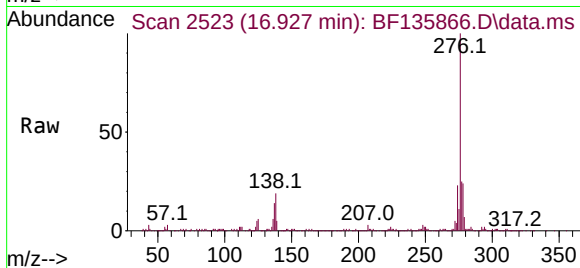
Tgt Ion:276 Resp: 206159

Ion Ratio Lower Upper

276 100

138 18.8 19.8 29.6#

277 23.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 63.613 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

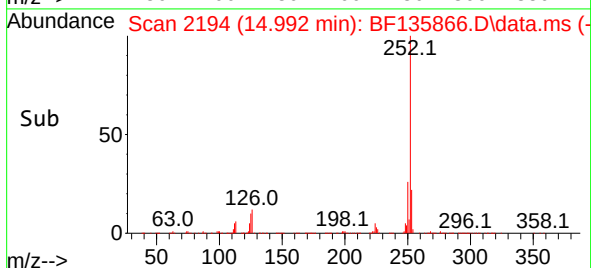
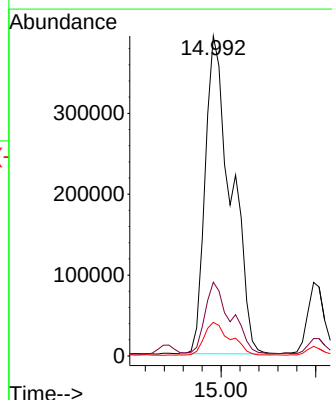
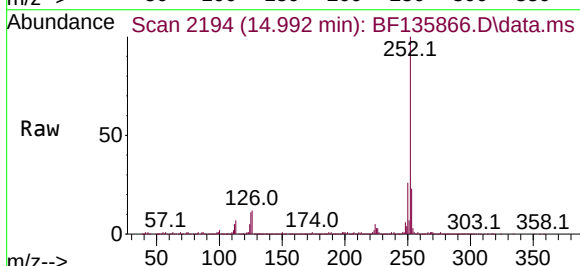
Tgt Ion:252 Resp: 748649

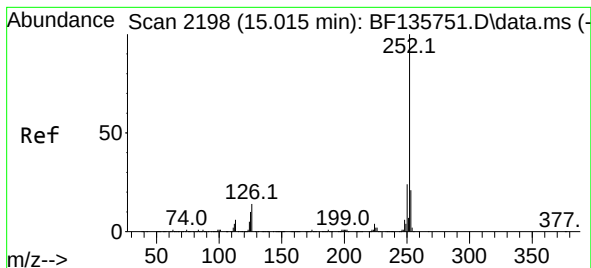
Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

125 10.5 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 65.522 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.030 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

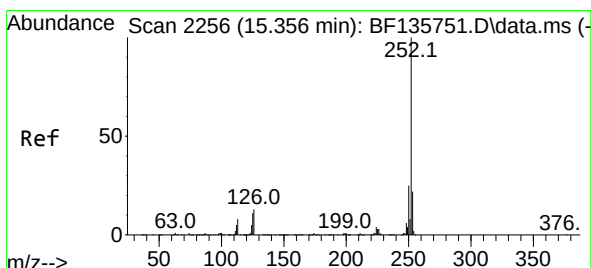
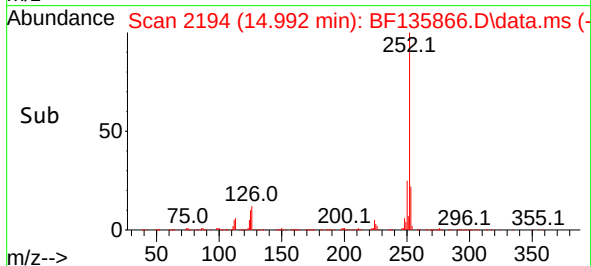
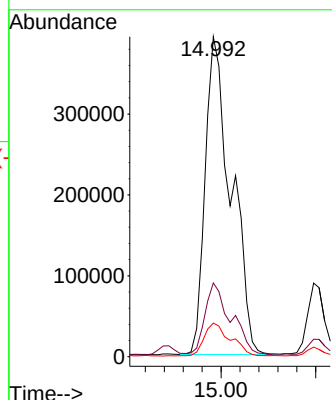
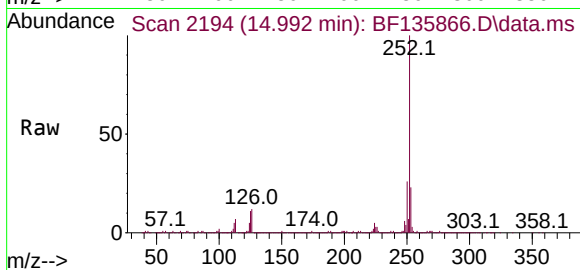
Tgt Ion:252 Resp: 748649

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 10.5 8.3 12.5



#90

Benzo(a)pyrene

Concen: 43.522 ng

RT: 15.362 min Scan# 2257

Delta R.T. -0.000 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

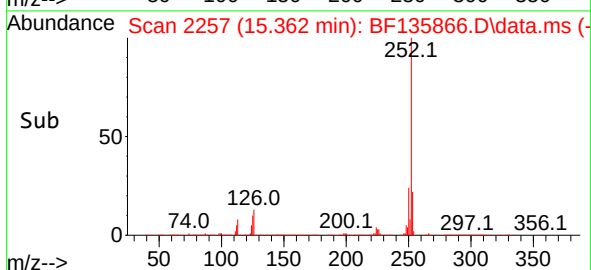
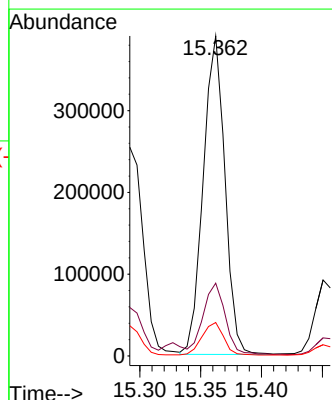
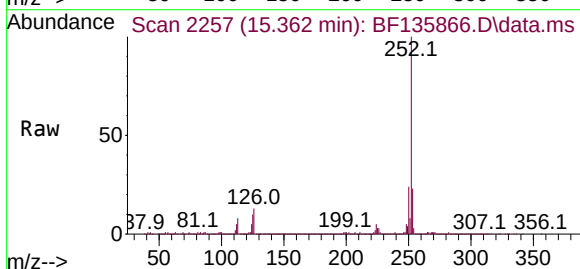
Tgt Ion:252 Resp: 481642

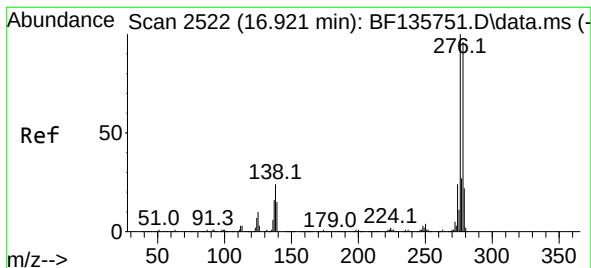
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

125 10.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 5.468 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.164 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Instrument :

BNA_F

ClientSampleId :

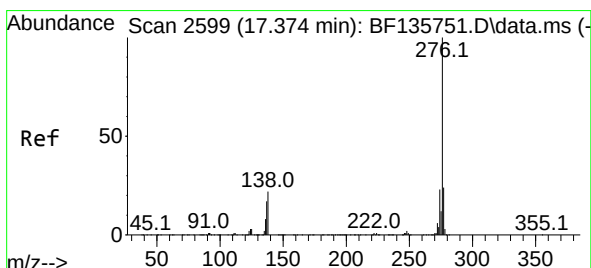
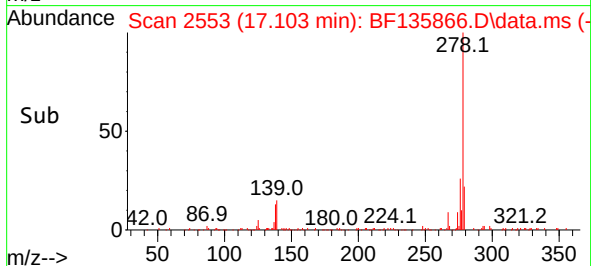
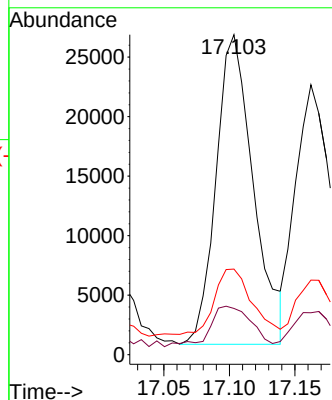
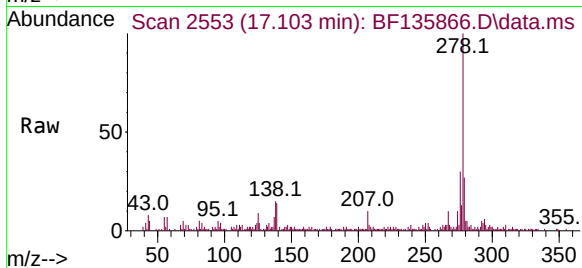
Tgt Ion:278 Resp: 51356

Ion Ratio Lower Upper

278 100

139 14.4 12.5 18.7

279 26.7 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 20.665 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.000 min

Lab File: BF135866.D

Acq: 19 Oct 2023 00:59

Tgt Ion:276 Resp: 199389

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.2

138 18.2 17.3 25.9

