

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135885.D
 Acq On : 19 Oct 2023 14:33
 Operator : CG\JU
 Sample : 04890-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

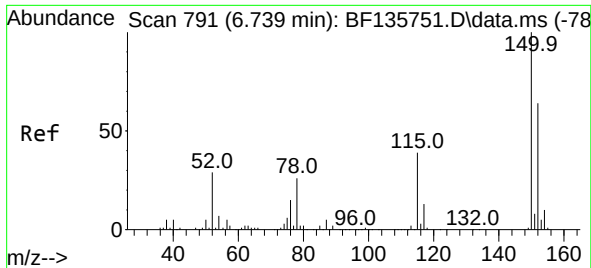
Instrument :
 BNA_F
 ClientSampleId :
 362

Quant Time: Oct 19 20:06:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	68897	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	260593	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	132057	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	257756	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	172965	20.000	ng	-0.01
86) Perylene-d12	15.415	264	178660	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	430684	100.503	ng	0.00
7) Phenol-d6	6.393	99	510825	95.537	ng	0.00
23) Nitrobenzene-d5	7.304	82	314189	66.311	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	128995	101.796	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	541173	64.073	ng	-0.01
79) Terphenyl-d14	12.869	244	557235	59.662	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	41284	12.487	ng	# 76
25) Isophorone	7.304	82	314189	35.149	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	18474	9.637	ng	# 17
52) Acenaphthene	9.804	154	37720	5.216	ng	97
55) Dibenzofuran	9.981	168	48942	4.485	ng	97
56) 4-Nitrophenol	9.981	139	19226	22.122	ng	# 9
58) Fluorene	10.328	166	54295	6.356	ng	97
67) 4-Bromophenyl-phenylether	10.569	248	8061	3.115	ng	# 1
71) Phenanthrene	11.292	178	209227	16.945	ng	98
72) Anthracene	11.351	178	56539	4.419	ng	99
73) Carbazole	11.516	167	35544	2.979	ng	98
75) Fluoranthene	12.492	202	139616	10.188	ng	97
78) Pyrene	12.727	202	93861	6.829	ng	98
81) Benzo(a)anthracene	13.927	228	27353	2.408	ng	98
88) Benzo(b)fluoranthene	14.986	252	31133	3.114	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	31133	3.207	ng	# 94

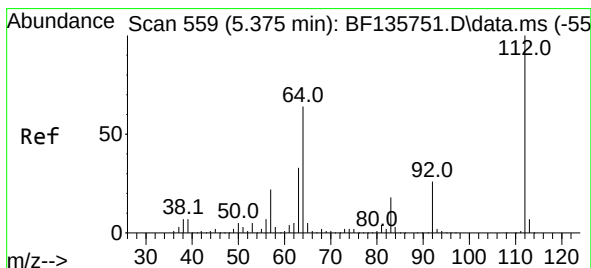
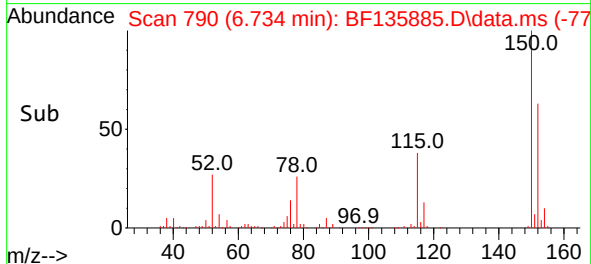
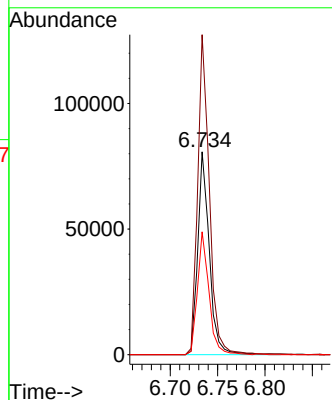
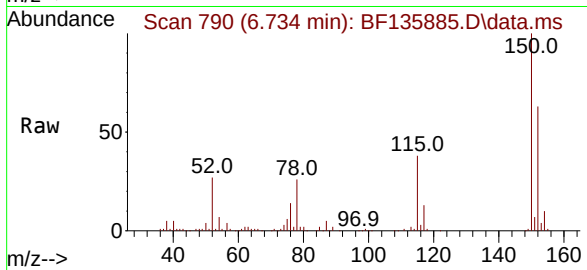
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135885.D
 Acq: 19 Oct 2023 14:33

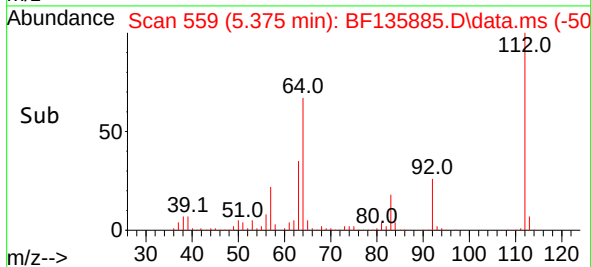
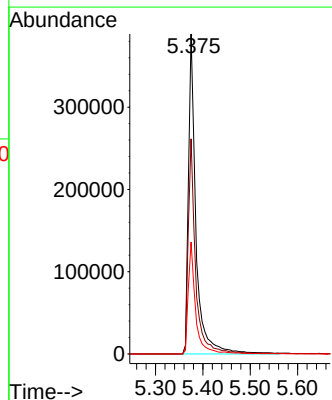
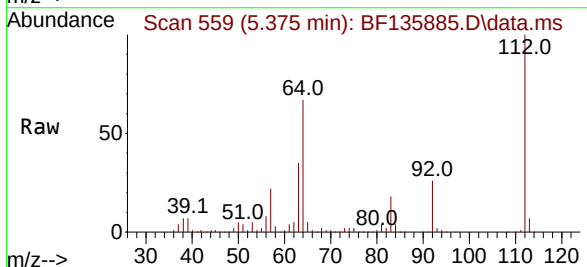
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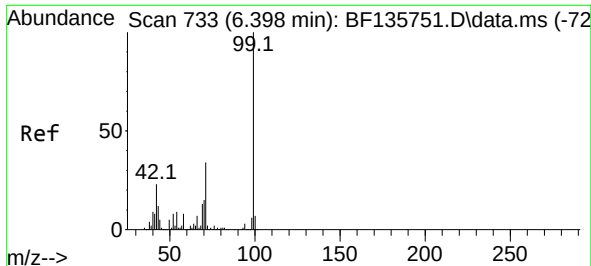
Tgt Ion:152 Resp: 68897
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.5 186.7
 115 60.6 49.0 73.4



#5
 2-Fluorophenol
 Concen: 100.503 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135885.D
 Acq: 19 Oct 2023 14:33

Tgt Ion:112 Resp: 430684
 Ion Ratio Lower Upper
 112 100
 64 67.3 51.2 76.8
 63 35.0 26.1 39.1





#7
Phenol-d6
Concen: 95.537 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

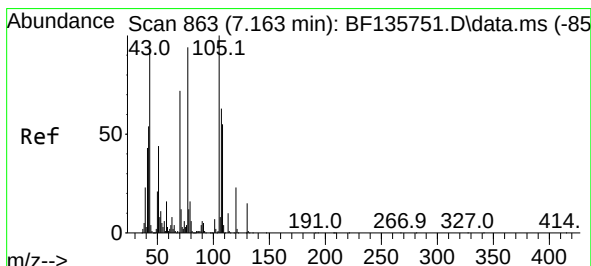
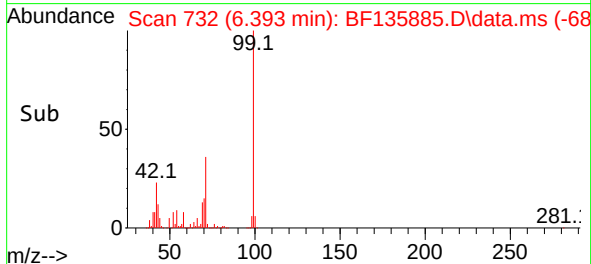
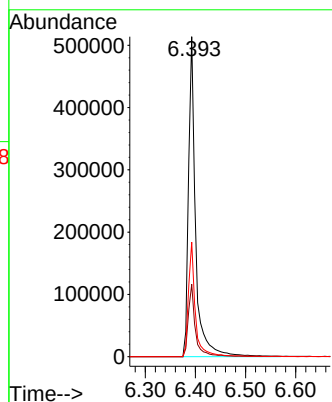
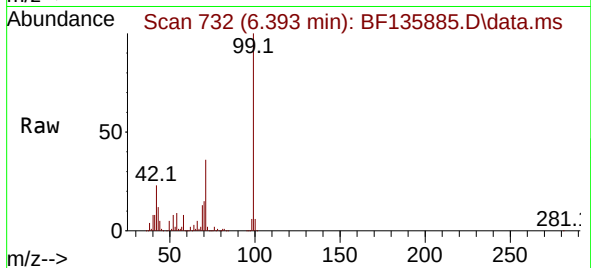
Instrument :

BNA_F

ClientSampleId :

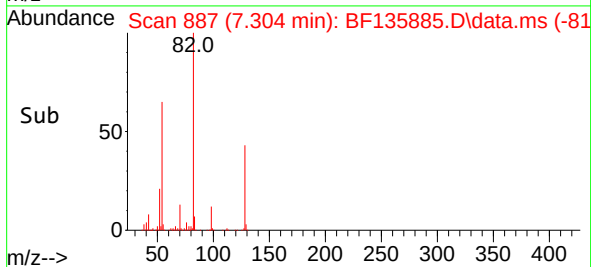
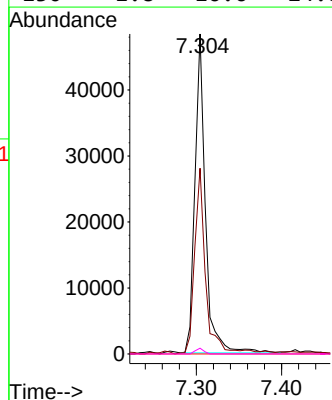
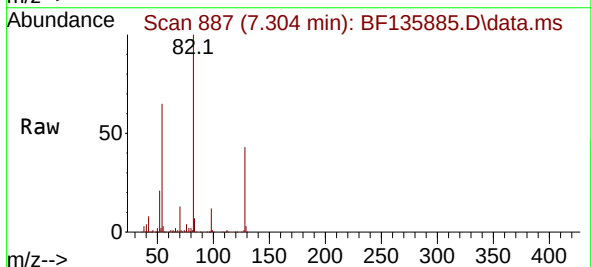
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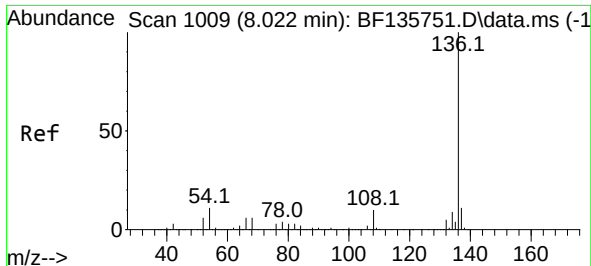
Tgt Ion: 99 Resp: 510825
Ion Ratio Lower Upper
99 100
42 22.6 18.4 27.6
71 35.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.487 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion: 70 Resp: 41284
Ion Ratio Lower Upper
70 100
42 58.1 59.8 89.6#
101 0.0 7.4 11.2#
130 1.8 16.6 24.8#

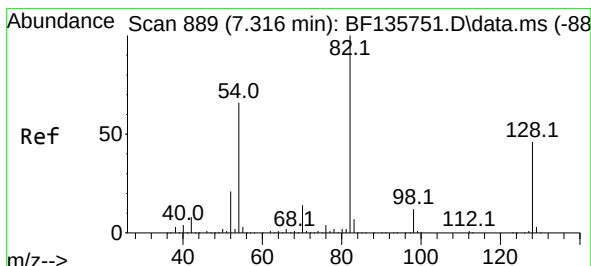
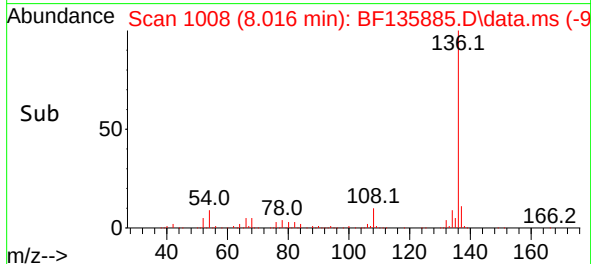
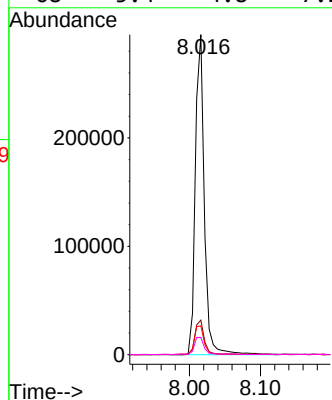
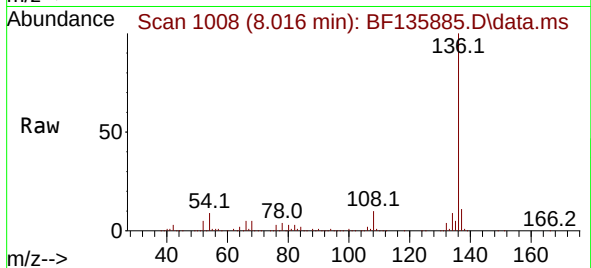




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

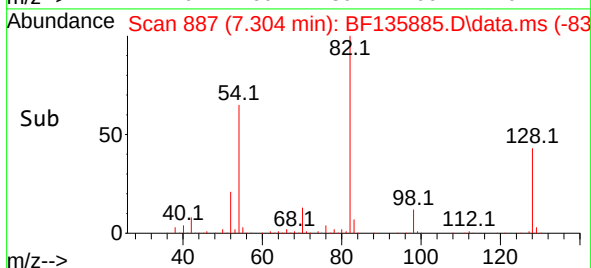
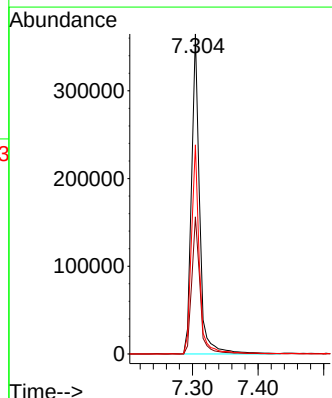
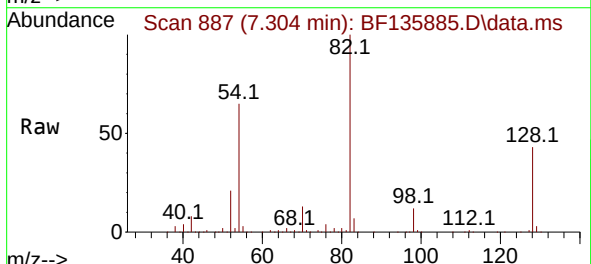
Instrument :
BNA_F
ClientSampleId :
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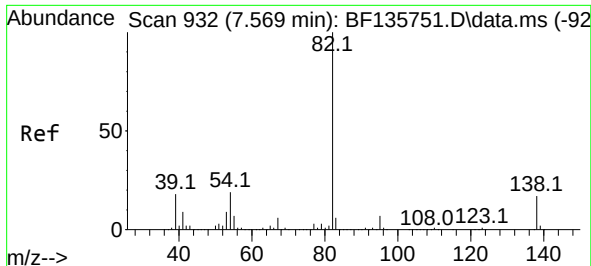
Tgt Ion:136 Resp: 260593
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.0 8.5 12.7
68 5.4 4.8 7.2



#23
Nitrobenzene-d5
Concen: 66.311 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion: 82 Resp: 314189
Ion Ratio Lower Upper
82 100
128 42.9 37.0 55.6
54 65.3 52.8 79.2

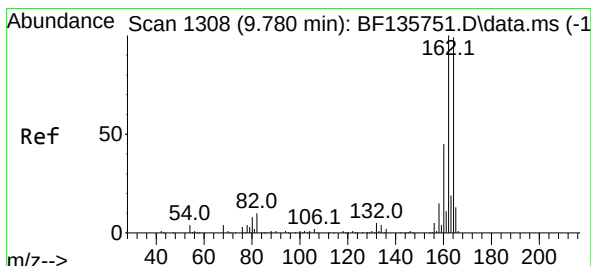
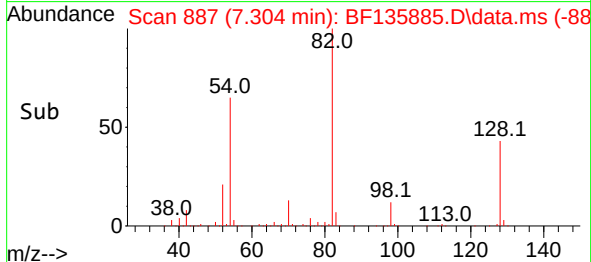
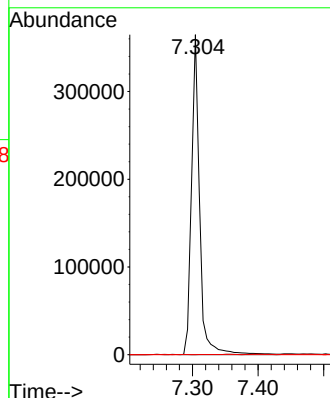
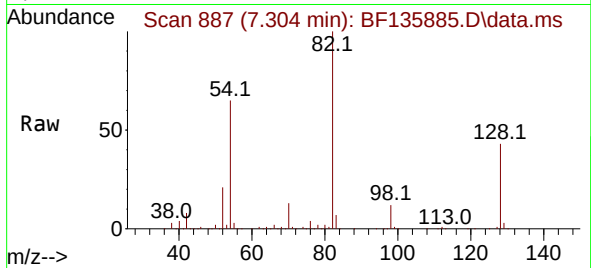




#25
Isophorone
Concen: 35.149 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

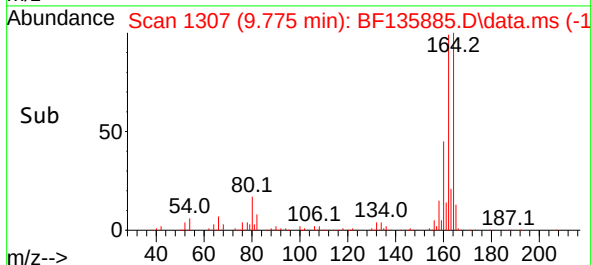
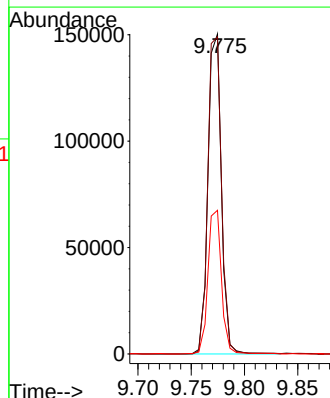
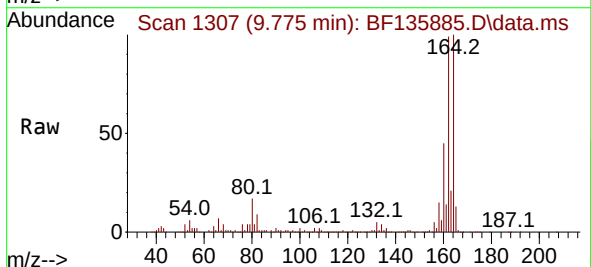
Instrument :
BNA_F
ClientSampleId :
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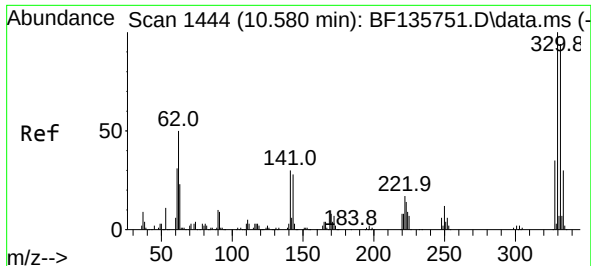
Tgt Ion: 82 Resp: 314189
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion:164 Resp: 132057
Ion Ratio Lower Upper
164 100
162 99.1 80.8 121.2
160 44.9 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 101.796 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

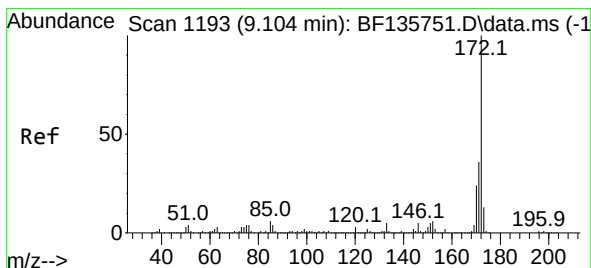
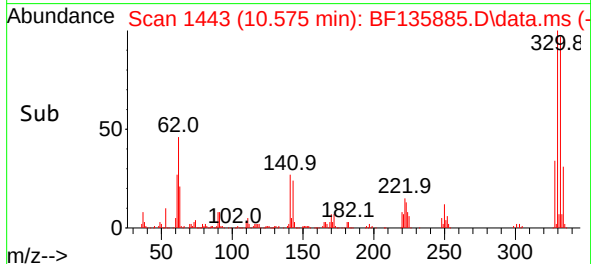
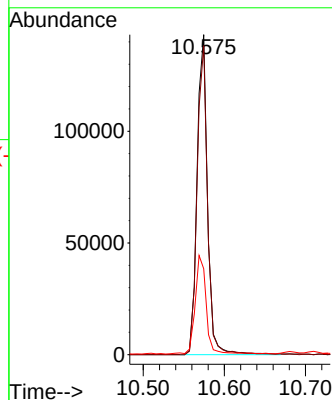
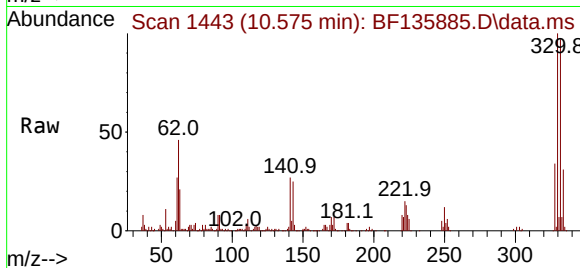
Tgt Ion:330 Resp: 128995

Ion Ratio Lower Upper

330 100

332 96.9 75.0 112.4

141 32.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 64.073 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

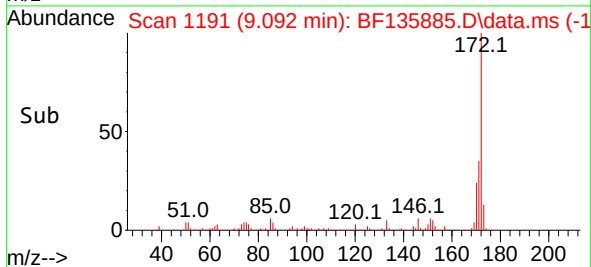
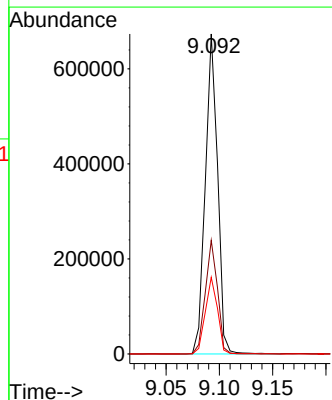
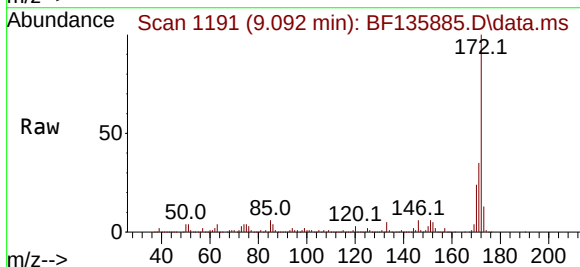
Tgt Ion:172 Resp: 541173

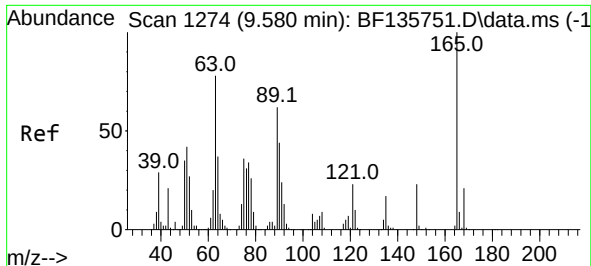
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.9 18.8 28.2

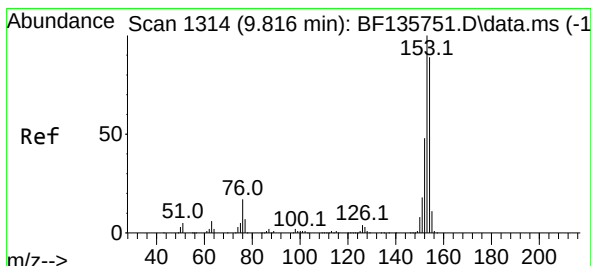
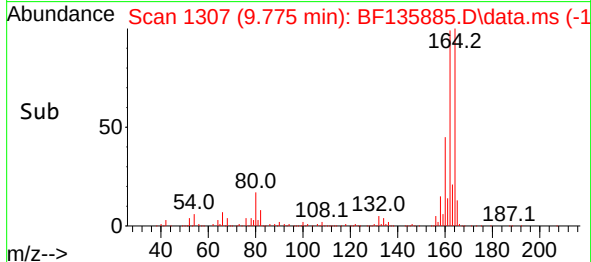
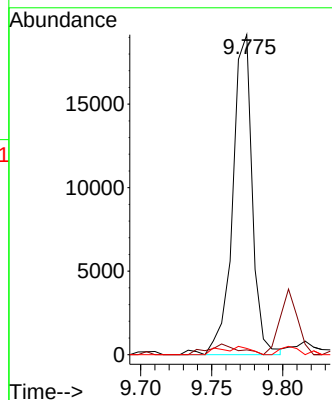
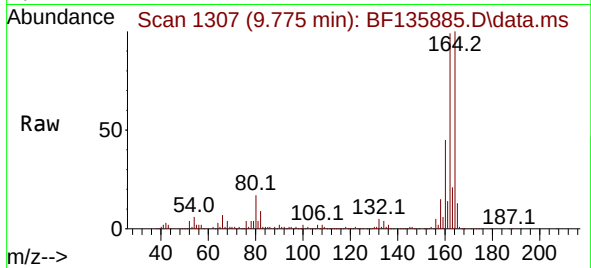




#51
2,6-Dinitrotoluene
Concen: 9.637 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

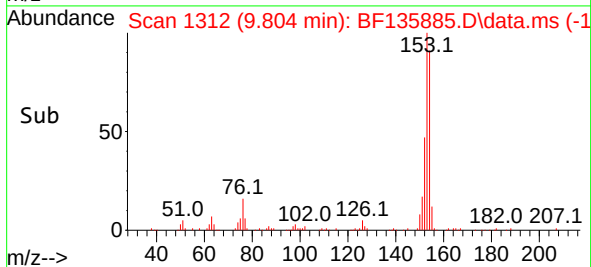
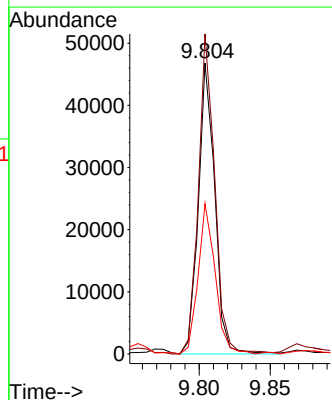
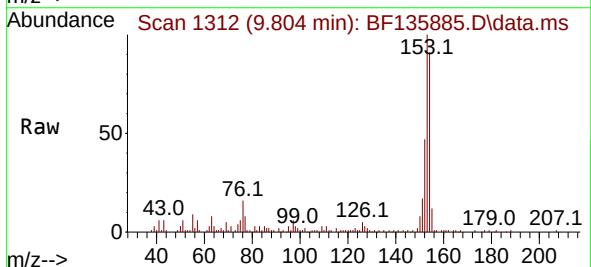
Instrument :
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ClientSampleId :
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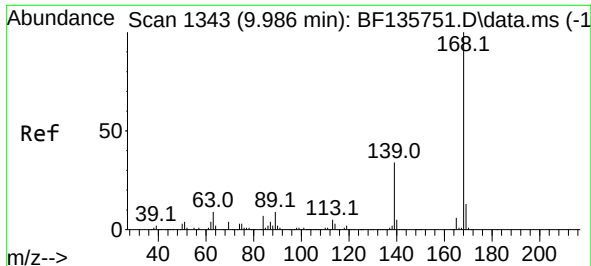
Tgt Ion:165 Resp: 18474
Ion Ratio Lower Upper
165 100
63 1.5 62.2 93.4#
89 1.9 49.6 74.4#



#52
Acenaphthene
Concen: 5.216 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion:154 Resp: 37720
Ion Ratio Lower Upper
154 100
153 110.0 90.1 135.1
152 51.7 43.1 64.7

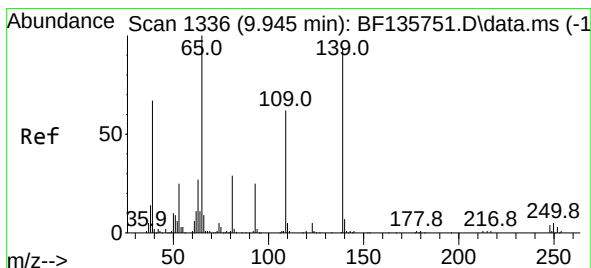
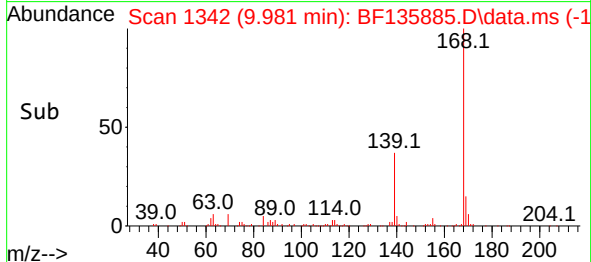
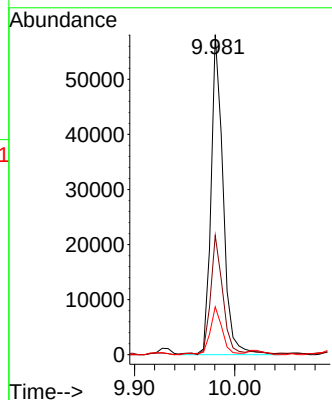
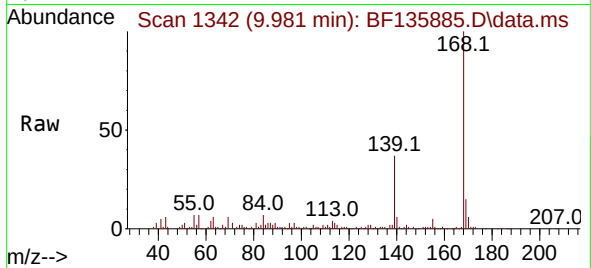




#55
Dibenzofuran
Concen: 4.485 ng
RT: 9.981 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

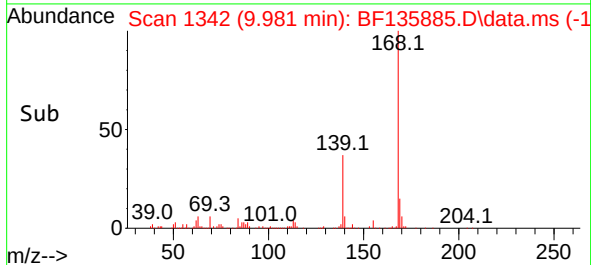
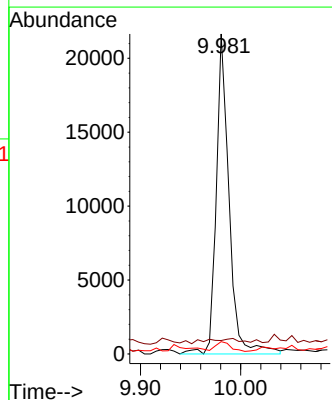
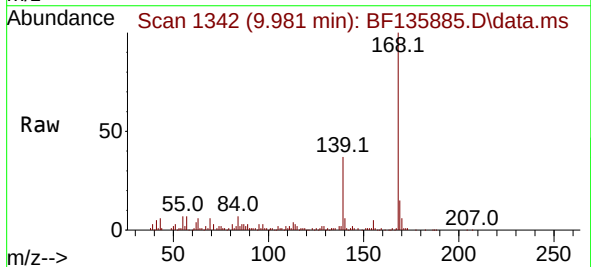
Instrument :
BNA_F
ClientSampleId :
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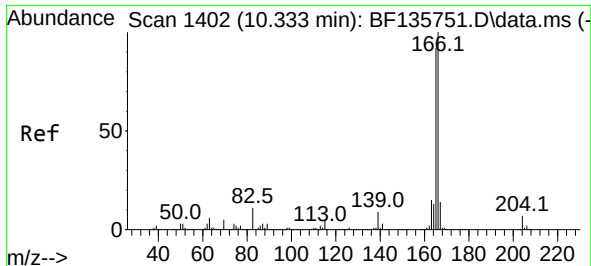
Tgt Ion:168 Resp: 48942
Ion Ratio Lower Upper
168 100
139 37.3 31.0 46.4
169 14.9 10.7 16.1



#56
4-Nitrophenol
Concen: 22.122 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.035 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion:139 Resp: 19226
Ion Ratio Lower Upper
139 100
109 4.2 45.6 85.6#
65 3.9 87.5 127.5#

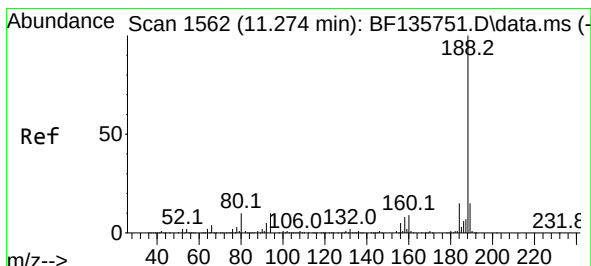
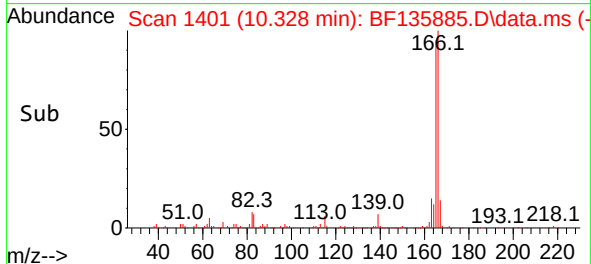
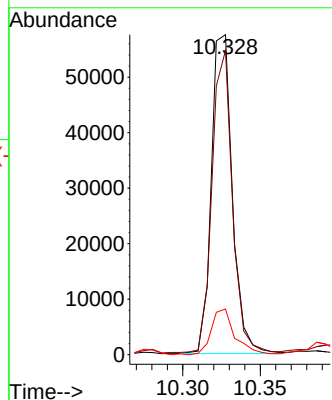
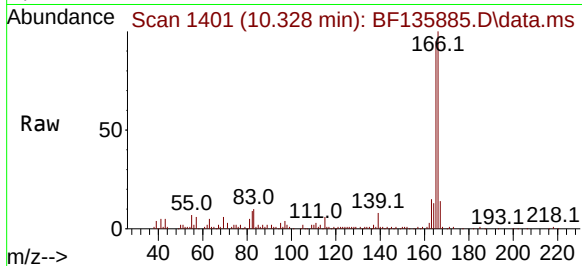




#58
Fluorene
Concen: 6.356 ng
RT: 10.328 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

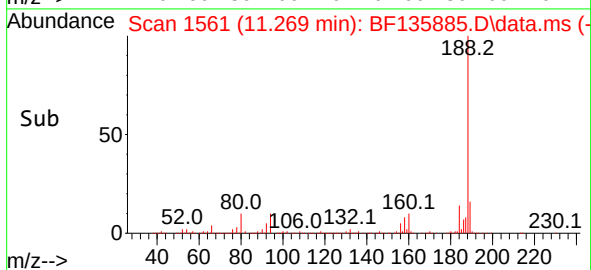
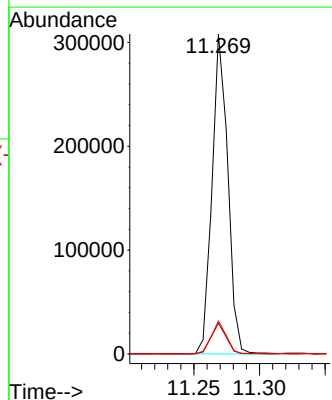
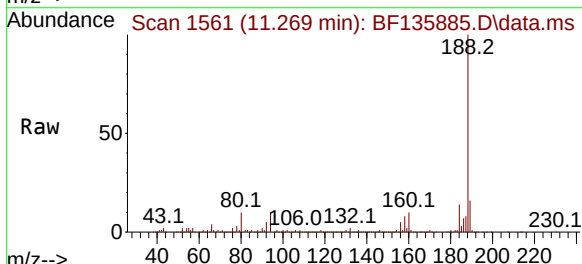
Instrument :
BNA_F
ClientSampleId :
362

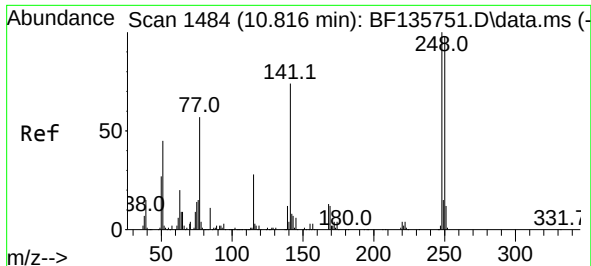
Tgt Ion:166 Resp: 54295
Ion Ratio Lower Upper
166 100
165 95.0 73.4 110.0
167 14.3 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135885.D
Acq: 19 Oct 2023 14:33

Tgt Ion:188 Resp: 257756
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.3 8.3 12.5





#67

4-Bromophenyl-phenylether

Concen: 3.115 ng

RT: 10.569 min Scan# 14

Delta R.T. -0.253 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

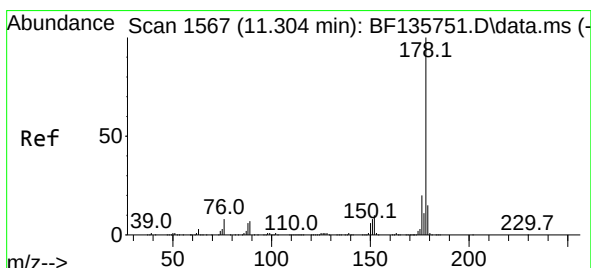
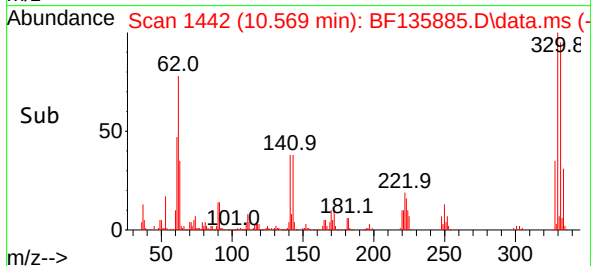
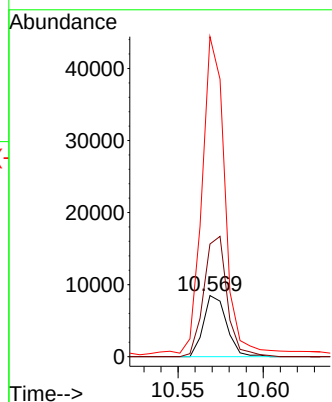
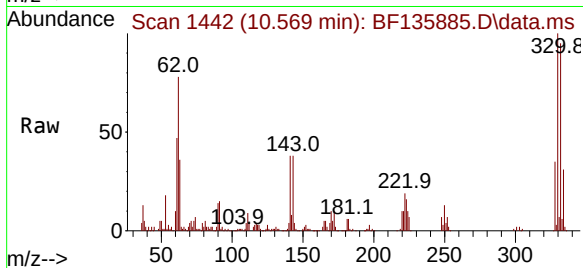
Tgt Ion:248 Resp: 8061

Ion Ratio Lower Upper

248 100

250 184.5 78.0 117.0#

141 524.1 59.0 88.6#



#71

Phenanthrene

Concen: 16.945 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

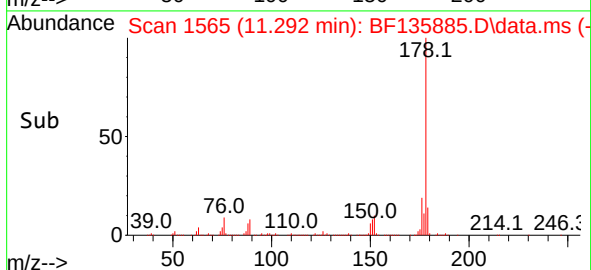
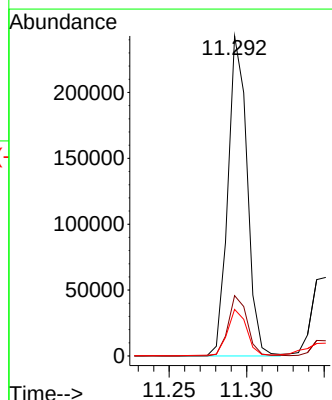
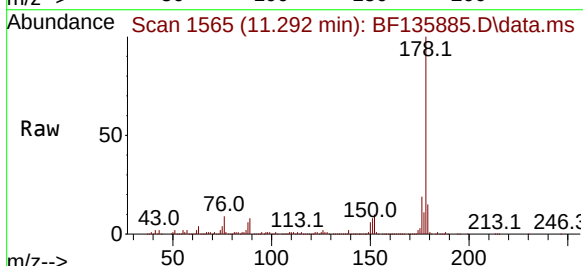
Tgt Ion:178 Resp: 209227

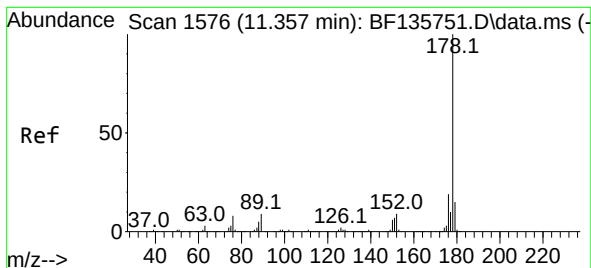
Ion Ratio Lower Upper

178 100

176 18.8 16.0 24.0

179 14.5 12.2 18.4





#72

Anthracene

Concen: 4.419 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

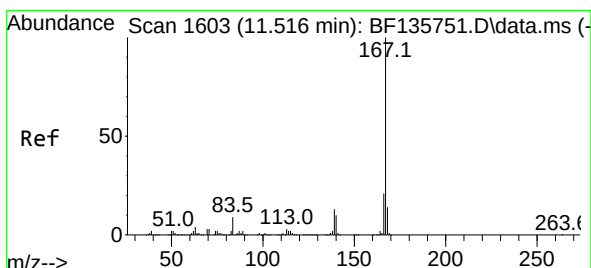
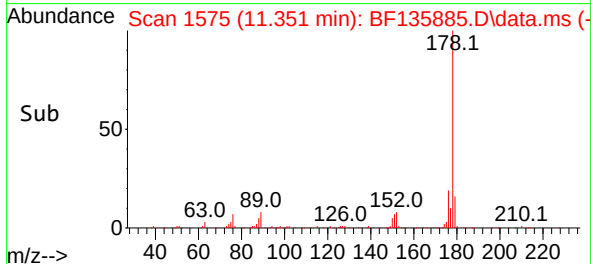
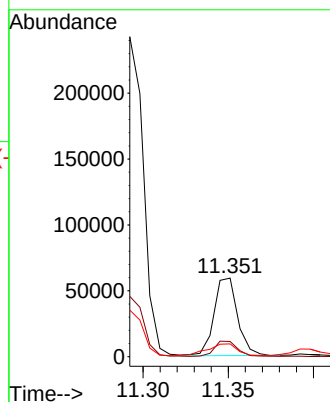
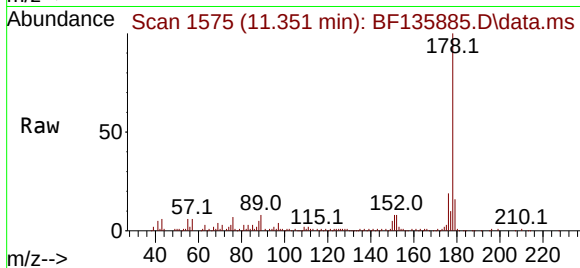
Tgt Ion:178 Resp: 56539

Ion Ratio Lower Upper

178 100

176 19.3 15.1 22.7

179 16.3 12.3 18.5



#73

Carbazole

Concen: 2.979 ng

RT: 11.516 min Scan# 1603

Delta R.T. -0.006 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

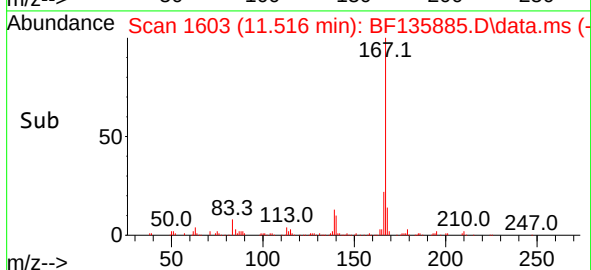
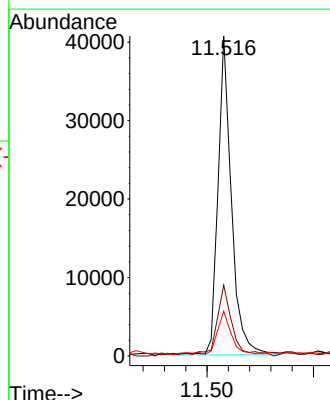
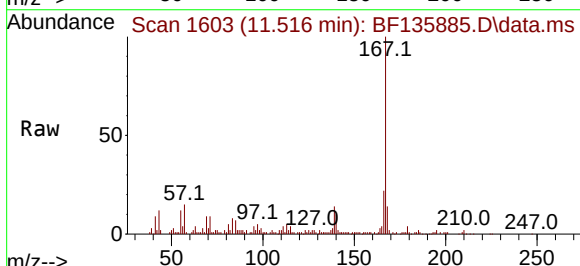
Tgt Ion:167 Resp: 35544

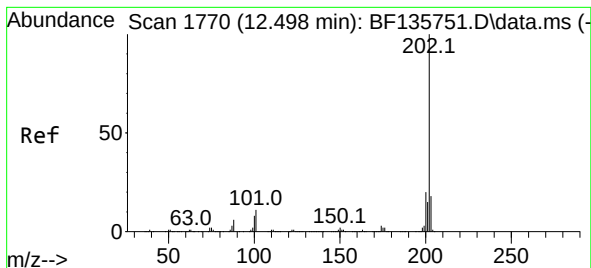
Ion Ratio Lower Upper

167 100

166 22.2 17.1 25.7

139 13.9 10.2 15.4





#75

Fluoranthene

Concen: 10.188 ng

RT: 12.492 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

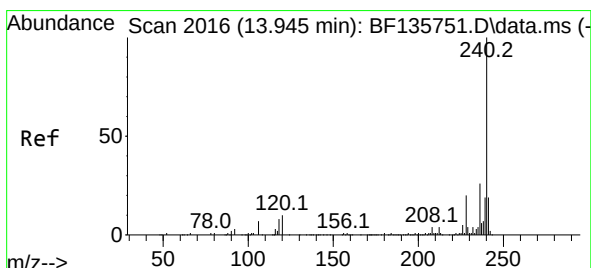
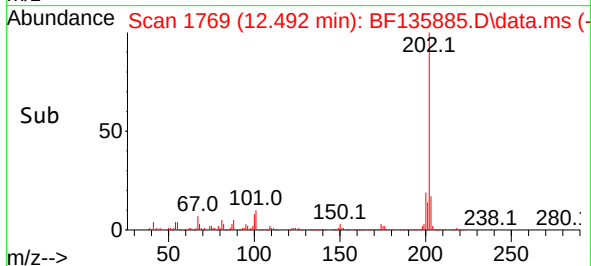
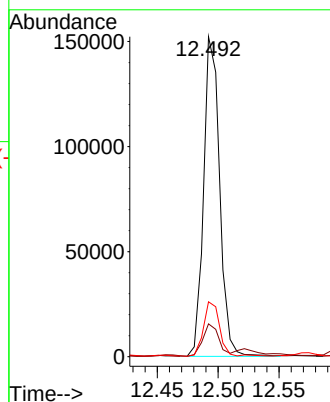
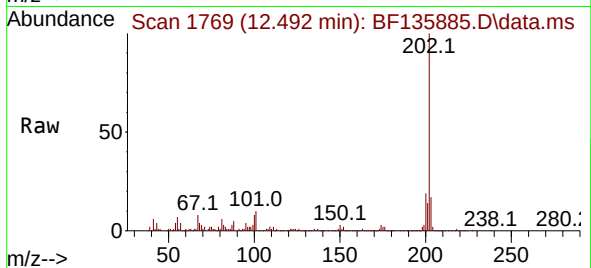
Tgt Ion:202 Resp: 139616

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.5

203 17.2 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

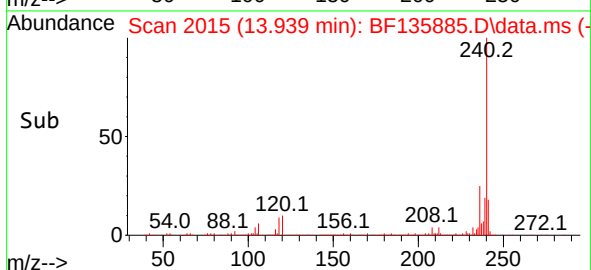
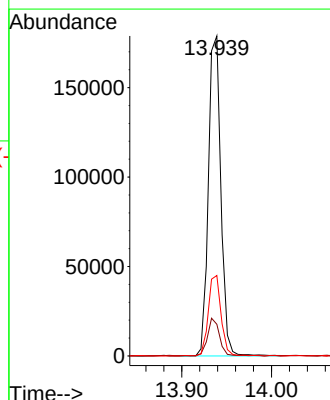
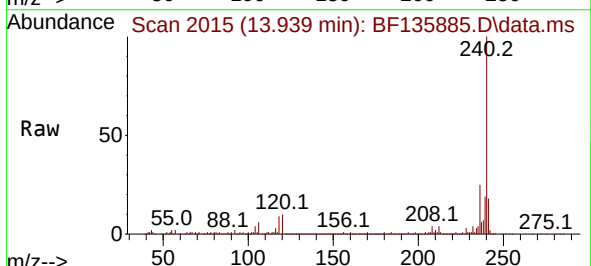
Tgt Ion:240 Resp: 172965

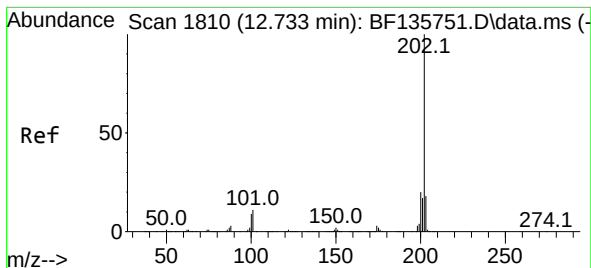
Ion Ratio Lower Upper

240 100

120 9.9 8.2 12.2

236 25.2 21.2 31.8





#78

Pyrene

Concen: 6.829 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

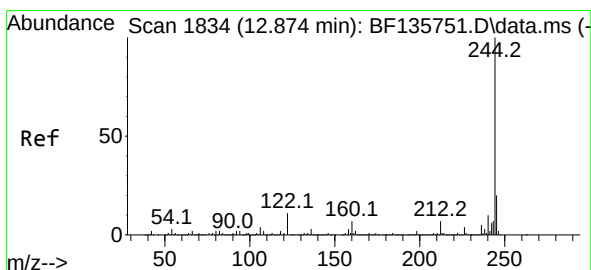
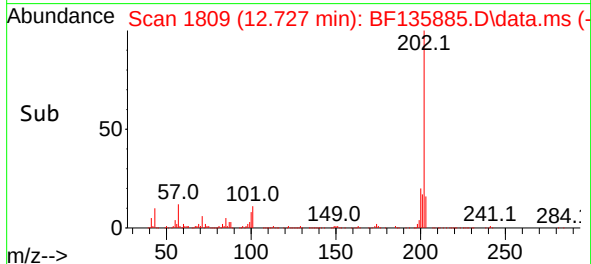
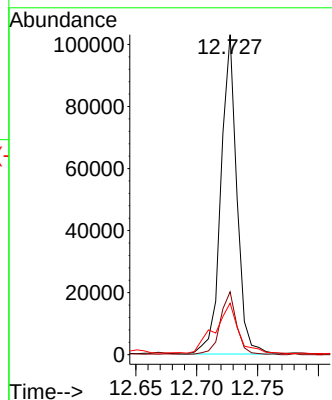
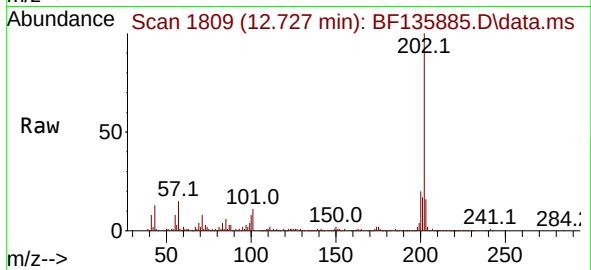
Tgt Ion:202 Resp: 93861

Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 16.1 14.2 21.2



#79

Terphenyl-d14

Concen: 59.662 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

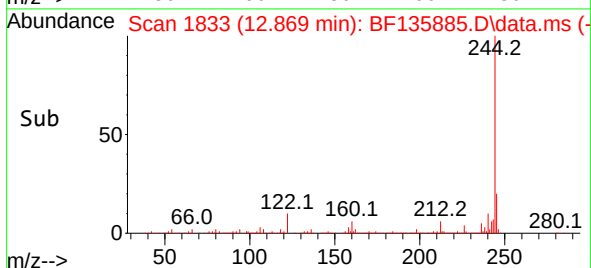
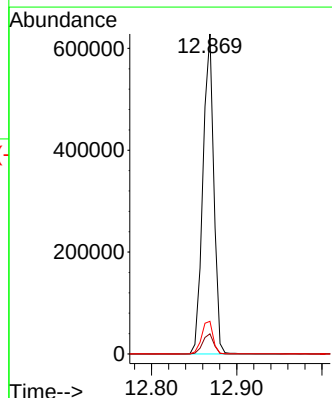
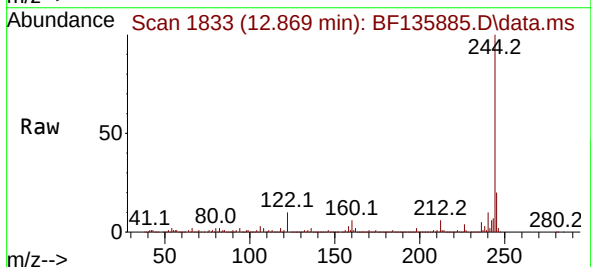
Tgt Ion:244 Resp: 557235

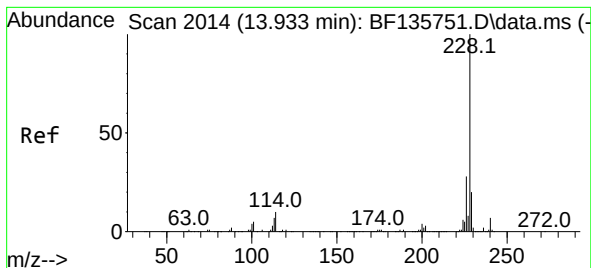
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 10.2 9.0 13.6





#81

Benzo(a)anthracene

Concen: 2.408 ng

RT: 13.927 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Instrument :

BNA_F

ClientSampleId :

362

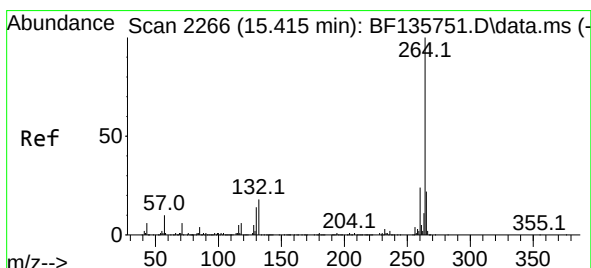
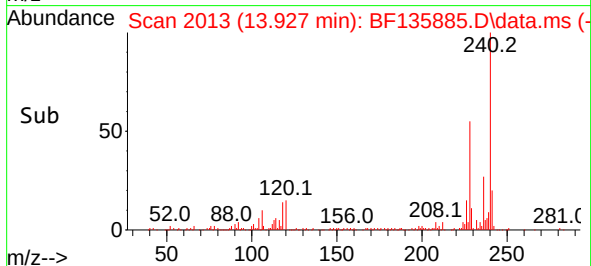
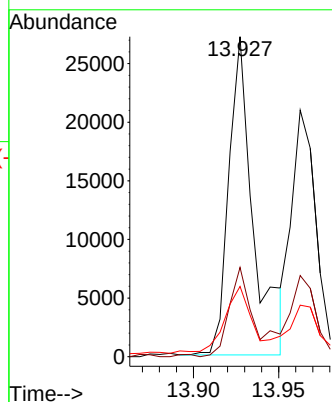
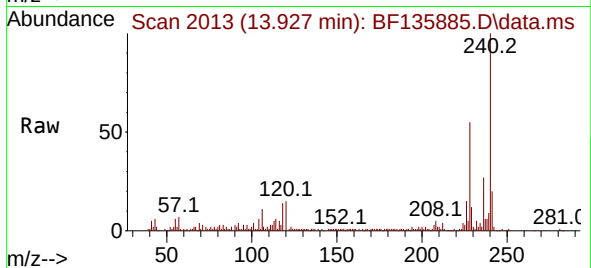
Tgt Ion:228 Resp: 27353

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.2

229 21.9 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

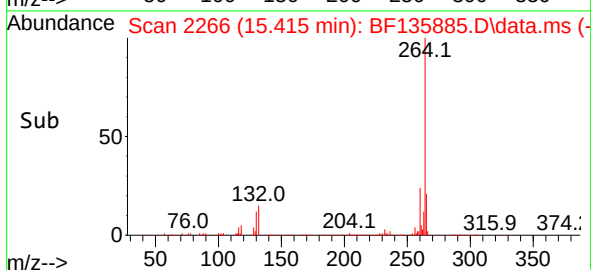
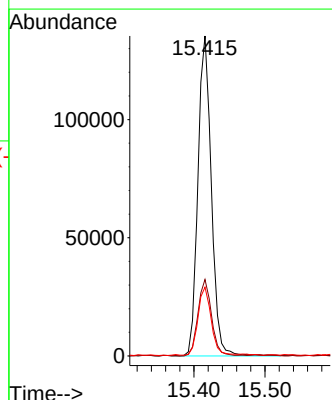
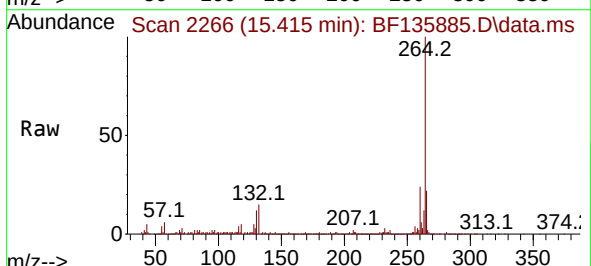
Tgt Ion:264 Resp: 178660

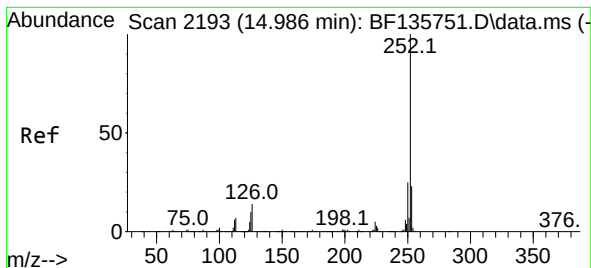
Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.5 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.114 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

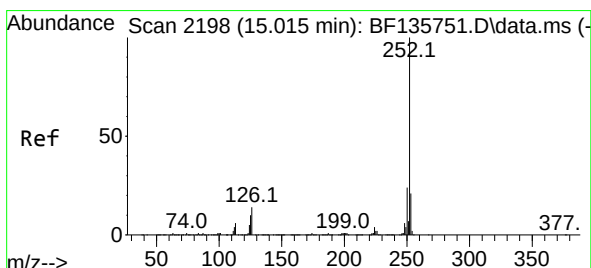
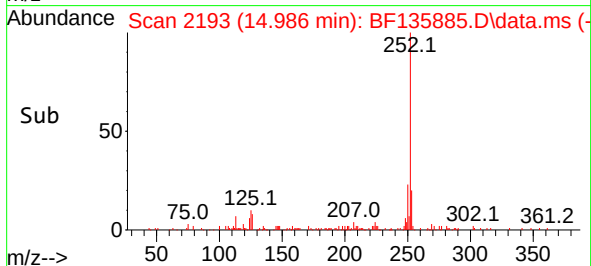
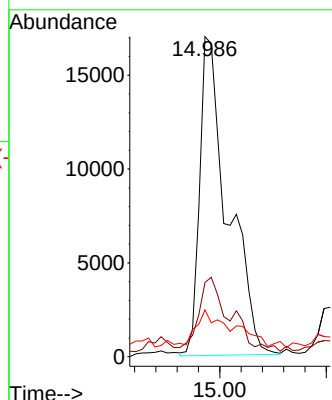
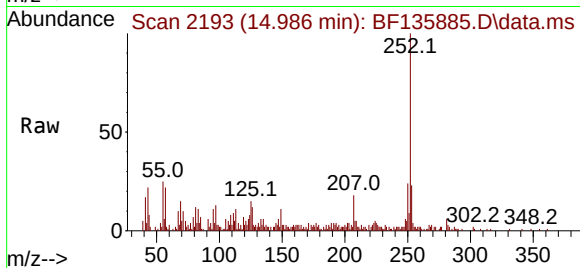
Instrument :

BNA_F

ClientSampleId :

362

Tgt Ion:	252	Resp:	31133
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.2	27.2
125	14.6	8.2	12.2#



#89

Benzo(k)fluoranthene

Concen: 3.207 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.035 min

Lab File: BF135885.D

Acq: 19 Oct 2023 14:33

Tgt Ion:	252	Resp:	31133
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.0
125	14.6	8.3	12.5#

