

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100523\
 Data File : BF135601.D
 Acq On : 05 Oct 2023 15:59
 Operator : CG\JU
 Sample : 047000-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 05 16:29:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

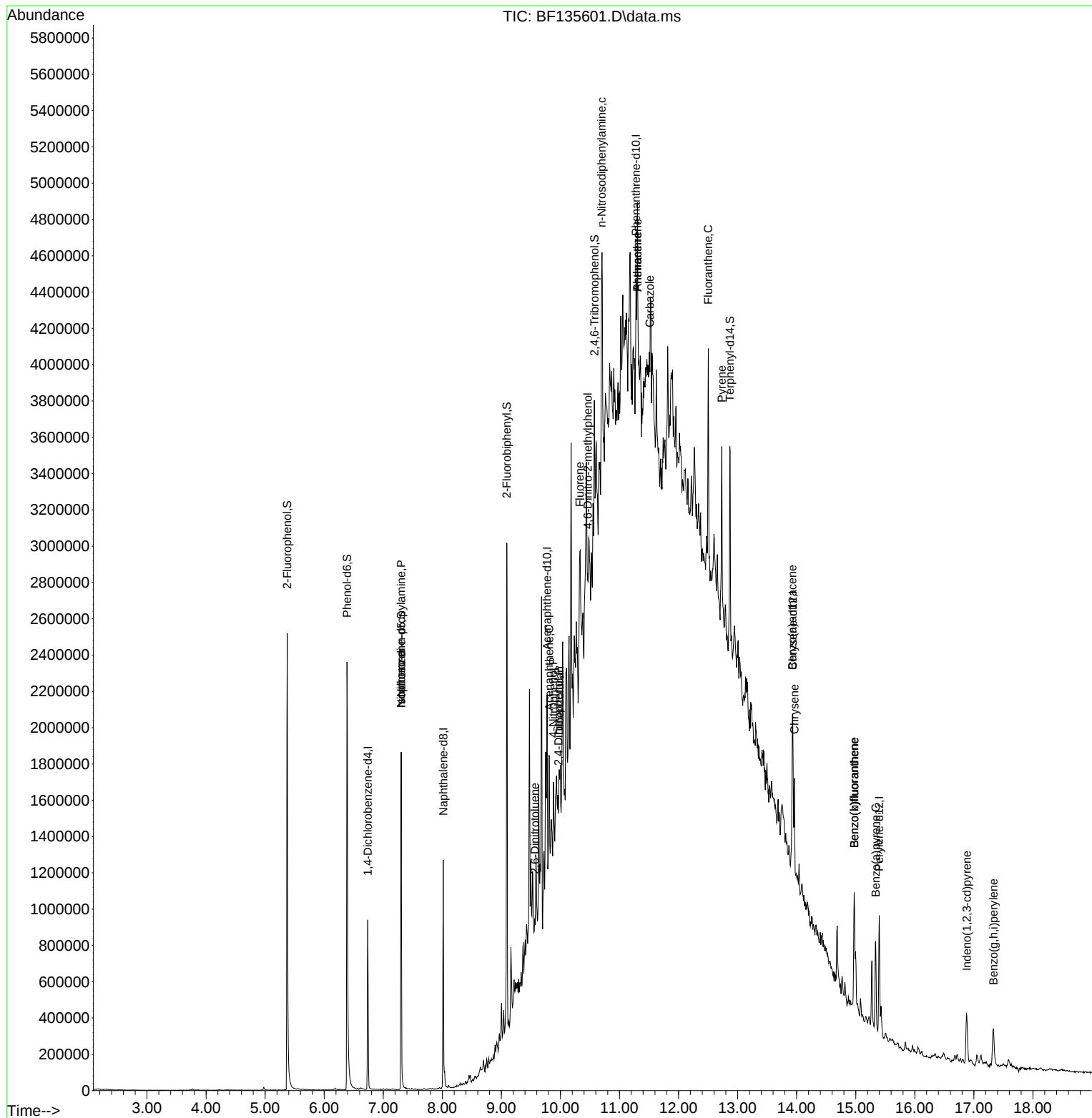
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	137430	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	491628	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	183149	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	209487	20.000	ng	# 0.01
76) Chrysene-d12	13.933	240	219825	20.000	ng	0.00
86) Perylene-d12	15.398	264	296564	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	748162	88.543	ng	0.00
7) Phenol-d6	6.386	99	914230	85.090	ng	0.00
23) Nitrobenzene-d5	7.304	82	542682	59.971	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	116032	63.752	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	852759	70.248	ng	0.00
79) Terphenyl-d14	12.868	244	515546	36.356	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	69961	10.513	ng	# 81
25) Isophorone	7.304	82	542676	32.659	ng	# 65
51) 2,6-Dinitrotoluene	9.569	165	5812	2.143	ng	# 28
52) Acenaphthene	9.810	154	44574	4.446	ng	96
54) 2,4-Dinitrophenol	9.969	184	1376	7.071	ng	# 1
55) Dibenzofuran	9.986	168	42756	2.795	ng	# 80
56) 4-Nitrophenol	9.880	139	5163	2.551	ng	# 1
58) Fluorene	10.327	166	50535	4.297	ng	# 85
65) 4,6-Dinitro-2-methylph...	10.463	198	2961	2.661	ng	# 1
66) n-Nitrosodiphenylamine	10.698	169	87185	13.747	ng	95
71) Phenanthrene	11.304	178	420028	42.394	ng	96
72) Anthracene	11.304	178	420028	41.243	ng	97
73) Carbazole	11.516	167	53280	5.747	ng	# 67
75) Fluoranthene	12.504	202	547558	53.038	ng	98
78) Pyrene	12.733	202	483620	23.108	ng	99
81) Benzo(a)anthracene	13.927	228	257399	18.133	ng	97
83) Chrysene	13.962	228	248662	17.620	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	193480	9.950	ng	99
88) Benzo(b)fluoranthene	14.974	252	485365	30.233	ng	# 95
89) Benzo(k)fluoranthene	14.974	252	485365	30.606	ng	# 95
90) Benzo(a)pyrene	15.339	252	257413	16.814	ng	99
92) Benzo(g,h,i)perylene	17.333	276	181363	10.915	ng	98

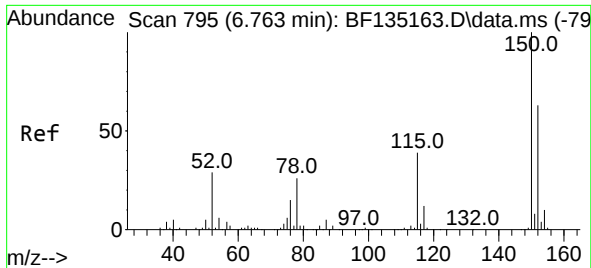
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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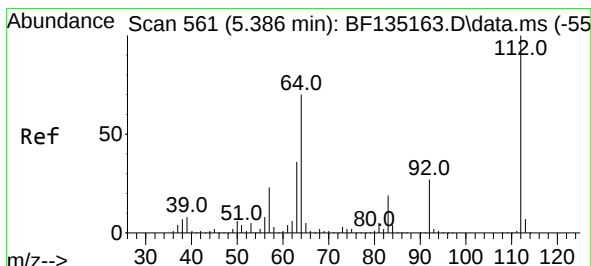
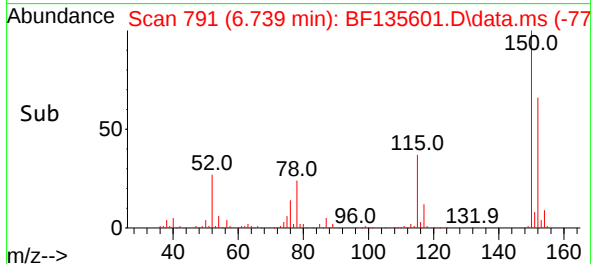
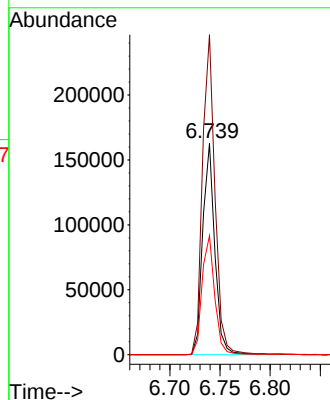
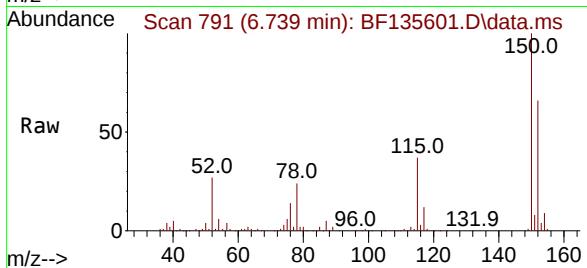




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

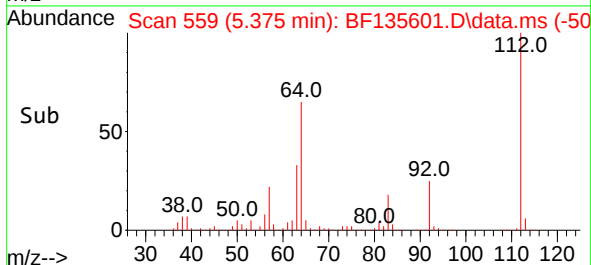
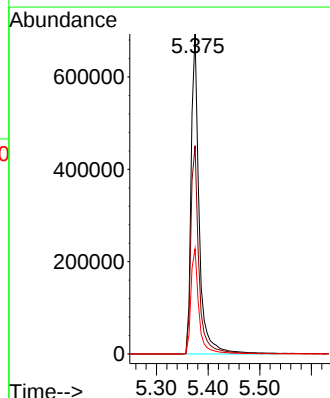
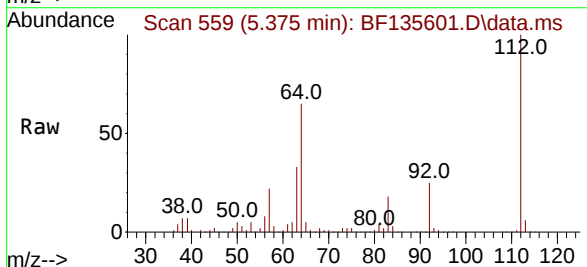
Instrument :
BNA_F
ClientSampleId :
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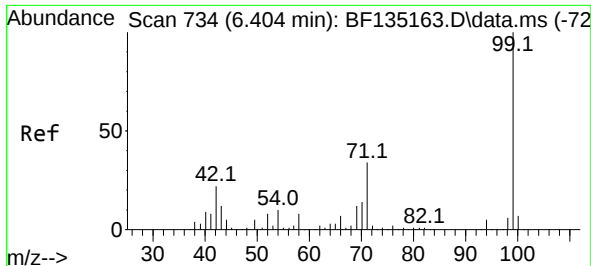
Tgt Ion:152 Resp: 137430
Ion Ratio Lower Upper
152 100
150 151.4 127.8 191.6
115 56.3 49.8 74.8



#5
2-Fluorophenol
Concen: 88.543 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:112 Resp: 748162
Ion Ratio Lower Upper
112 100
64 65.1 55.9 83.9
63 32.9 29.0 43.6

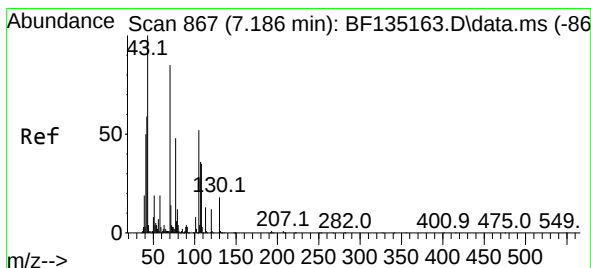
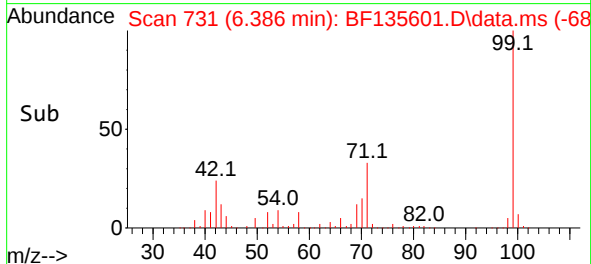
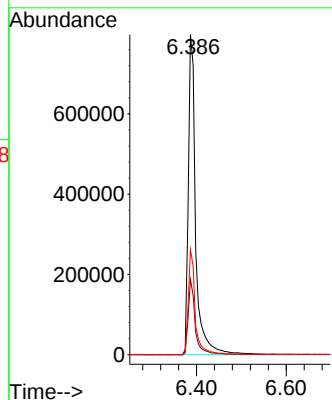
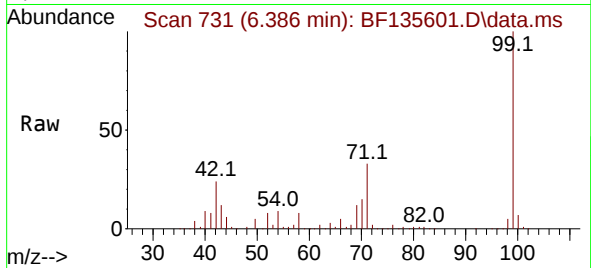




#7
Phenol-d6
Concen: 85.090 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

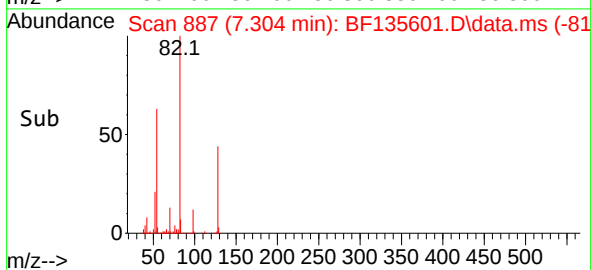
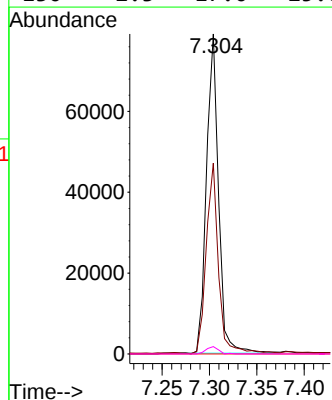
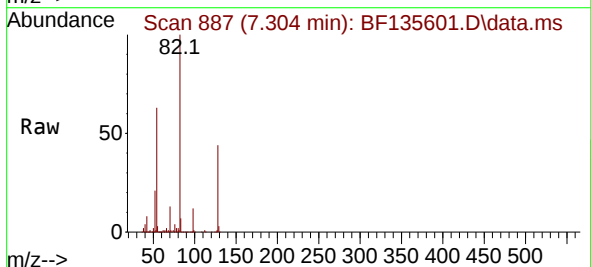
Instrument :
BNA_F
ClientSampleId :
WC-1

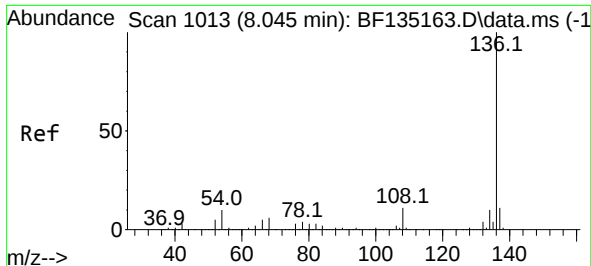
Tgt Ion: 99 Resp: 914230
Ion Ratio Lower Upper
99 100
42 23.5 17.9 26.9
71 32.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.513 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion: 70 Resp: 69961
Ion Ratio Lower Upper
70 100
42 59.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.3 17.0 25.6#



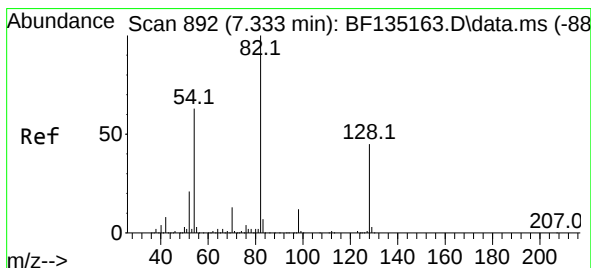
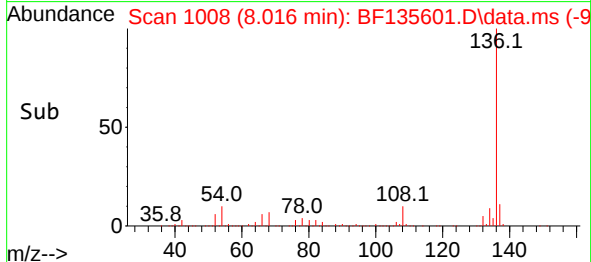
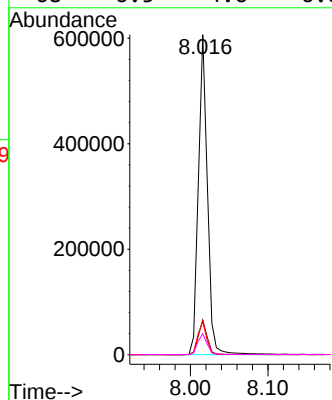
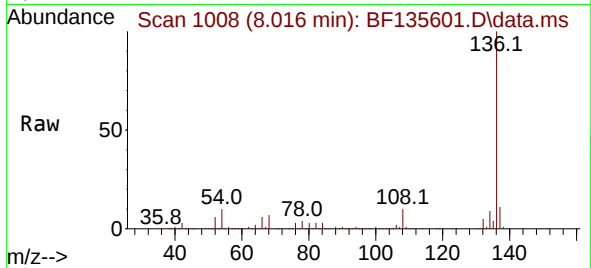


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 491628

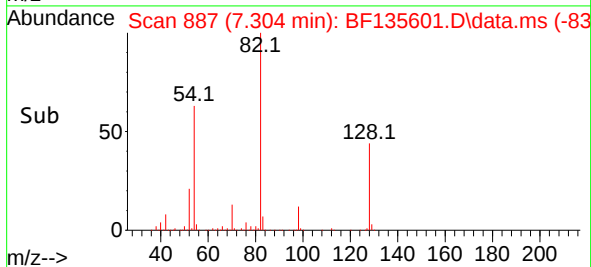
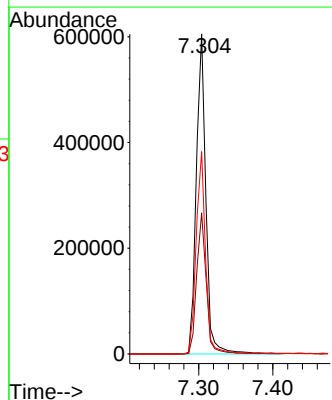
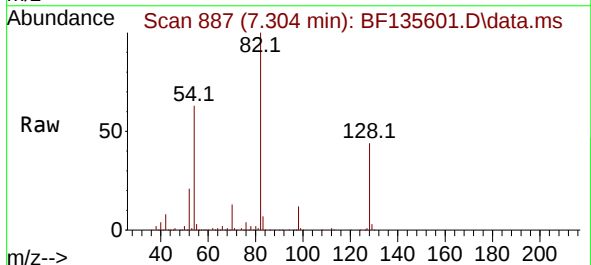
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.4	7.7	11.5
68	6.5	4.6	6.8

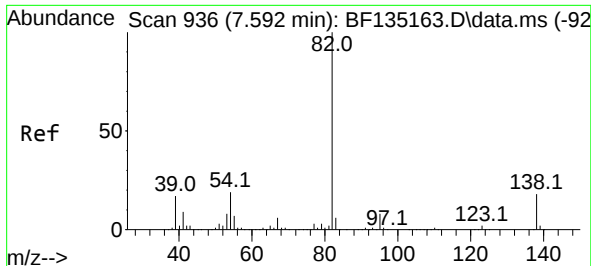


#23
Nitrobenzene-d5
Concen: 59.971 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion: 82 Resp: 542682

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.8	53.6
54	63.3	50.6	76.0

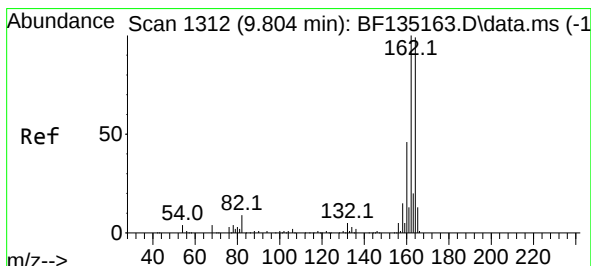
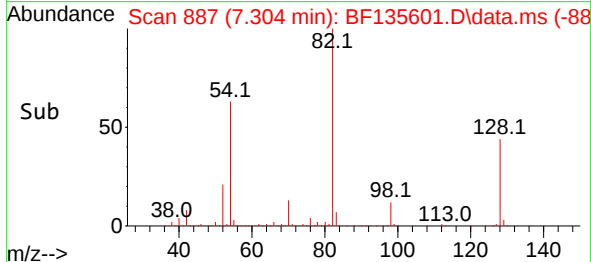
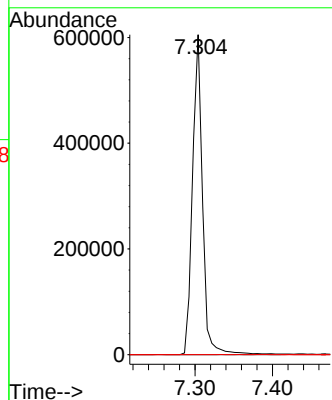
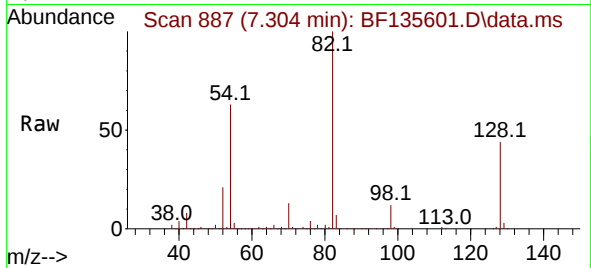




#25
Isophorone
Concen: 32.659 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

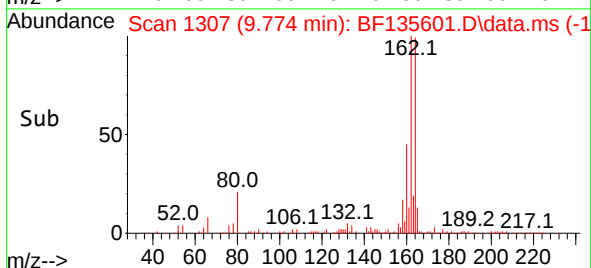
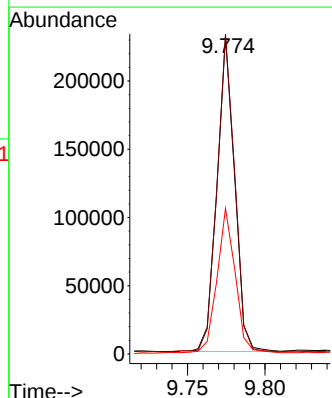
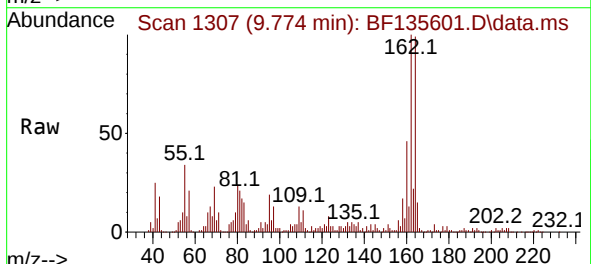
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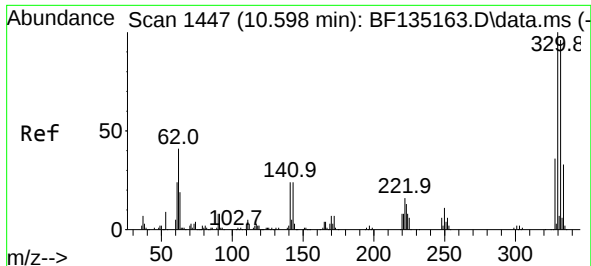
Tgt Ion: 82 Resp: 542676
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion: 164 Resp: 183149
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 45.8 37.0 55.4

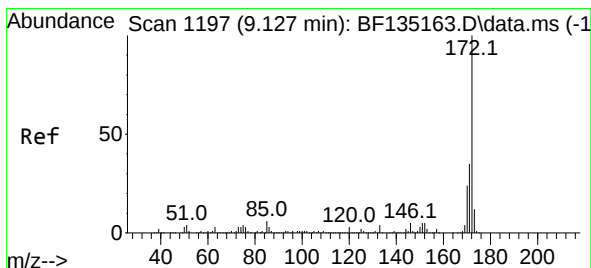
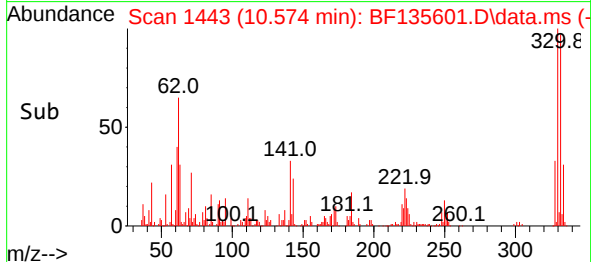
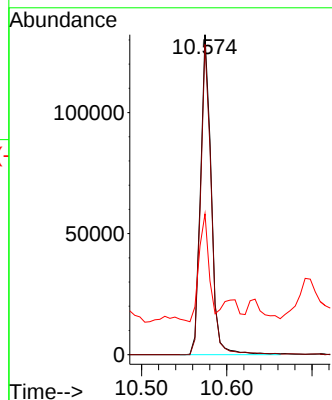
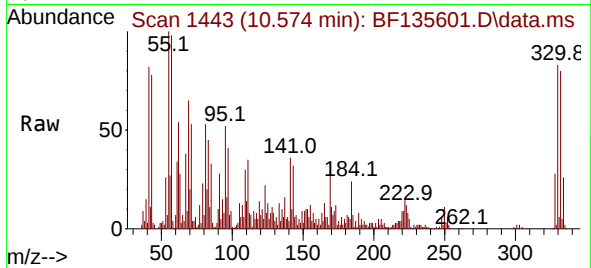




#42
2,4,6-Tribromophenol
Concen: 63.752 ng
RT: 10.574 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

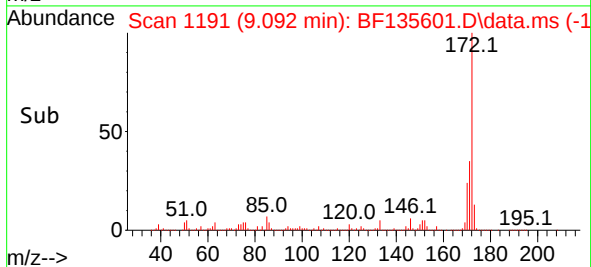
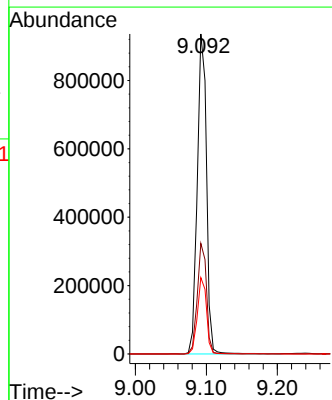
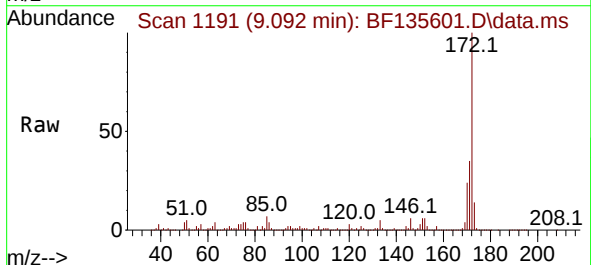
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ClientSampleId :
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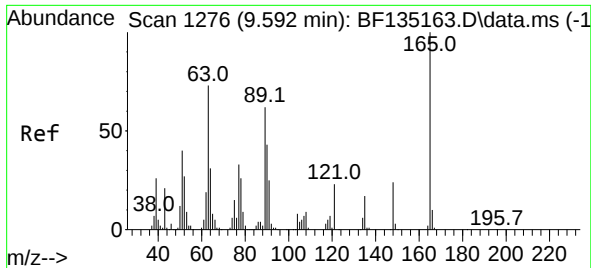
Tgt Ion:330 Resp: 116032
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 32.6 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 70.248 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:172 Resp: 852759
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.9 19.0 28.4

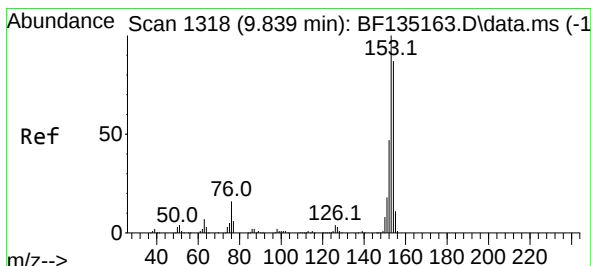
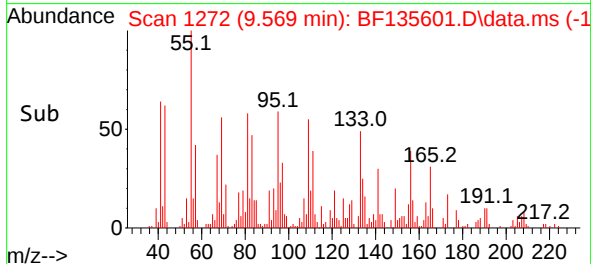
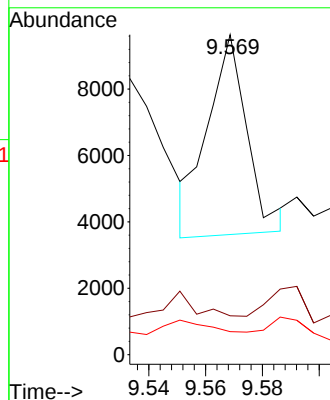
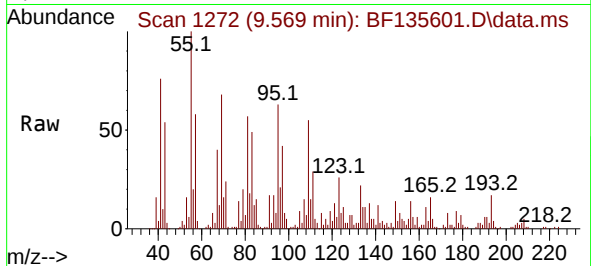




#51
2,6-Dinitrotoluene
Concen: 2.143 ng
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

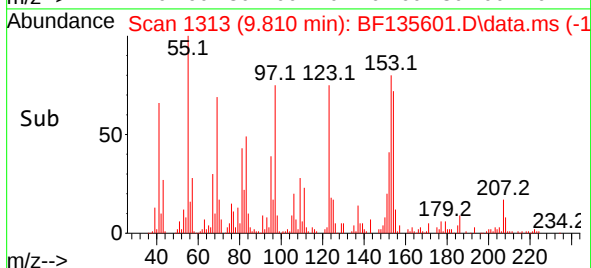
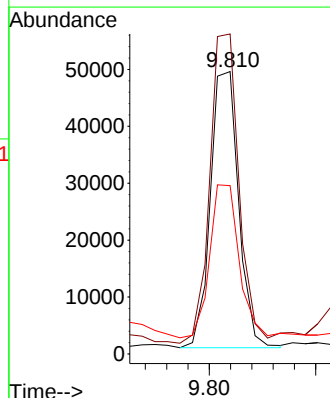
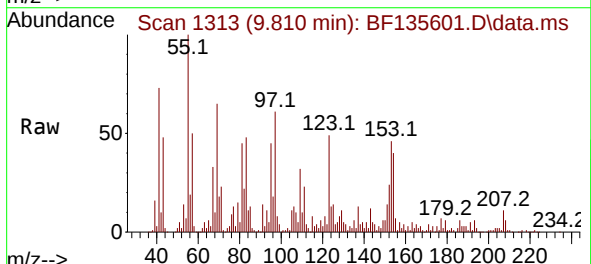
Instrument :
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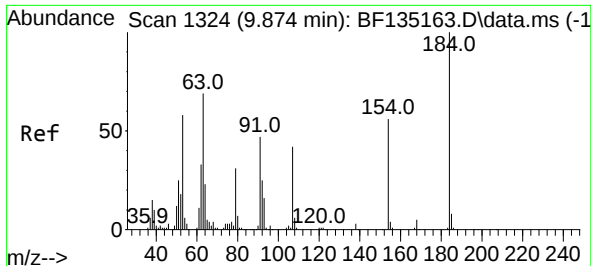
Tgt Ion:165 Resp: 5812
Ion Ratio Lower Upper
165 100
63 12.2 59.4 89.2#
89 7.2 49.8 74.8#



#52
Acenaphthene
Concen: 4.446 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:154 Resp: 44574
Ion Ratio Lower Upper
154 100
153 113.3 92.1 138.1
152 59.6 43.1 64.7

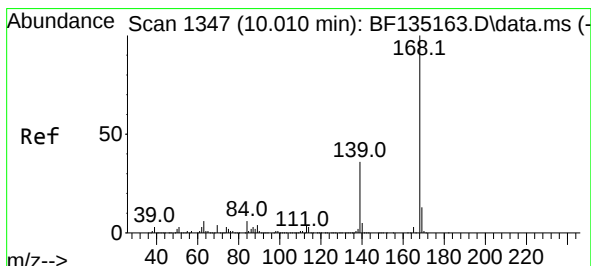
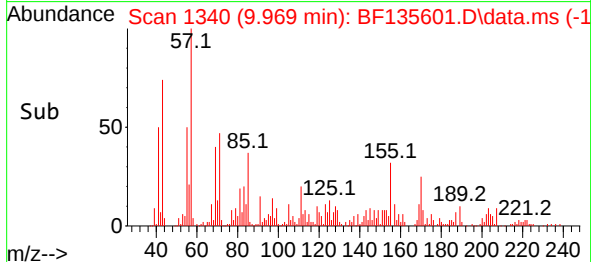
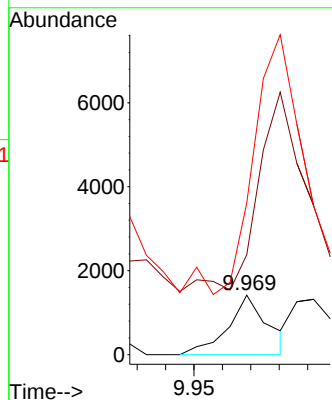
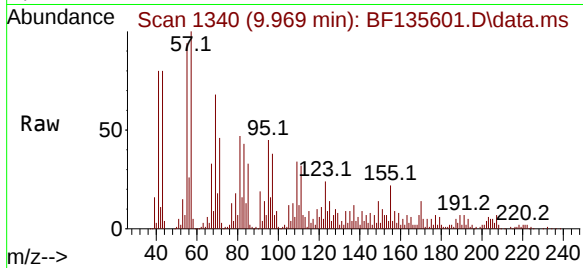




#54
2,4-Dinitrophenol
Concen: 7.071 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.106 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

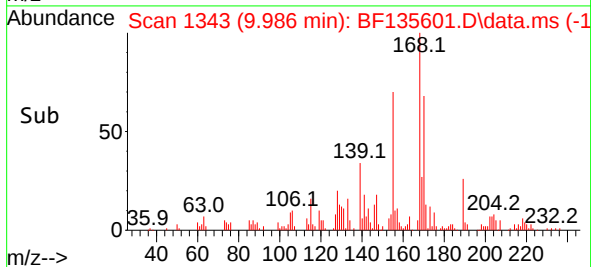
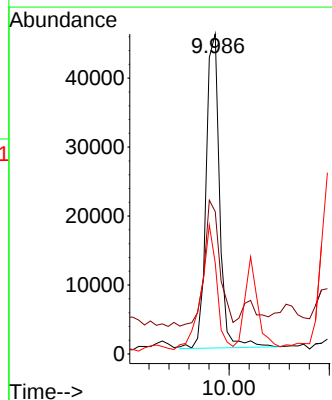
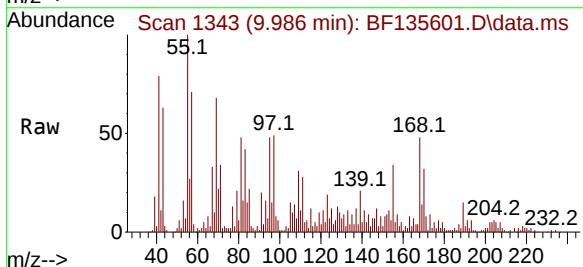
Instrument :
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ClientSampleId :
WC-1

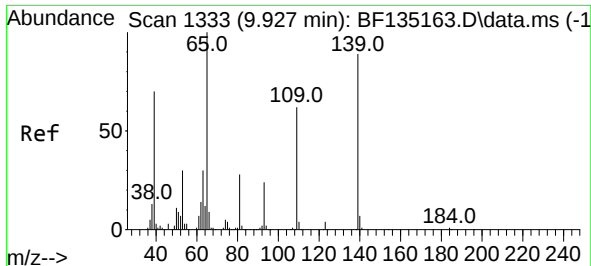
Tgt Ion:184 Resp: 1376
Ion Ratio Lower Upper
184 100
63 167.7 55.1 82.7#
154 254.7 48.4 72.6#



#55
Dibenzofuran
Concen: 2.795 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:168 Resp: 42756
Ion Ratio Lower Upper
168 100
139 44.5 29.0 43.6#
169 28.4 10.4 15.6#

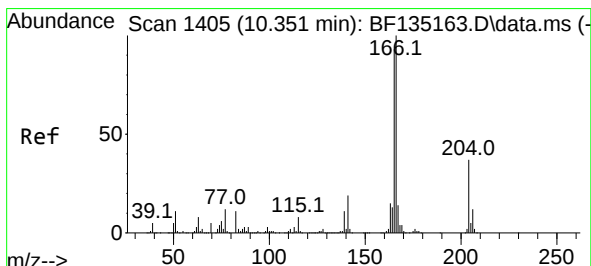
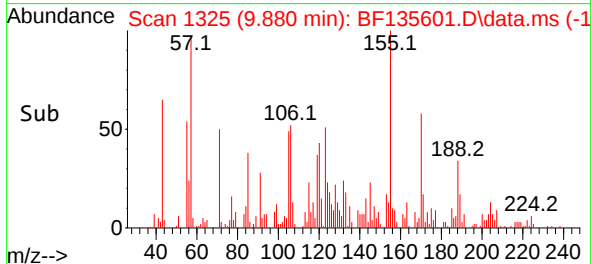
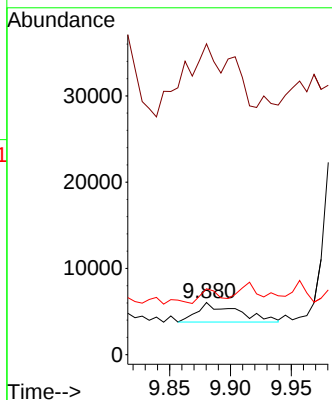
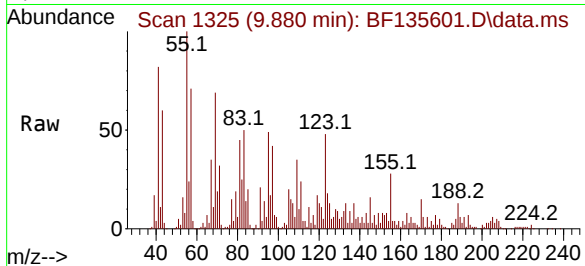




#56
4-Nitrophenol
Concen: 2.551 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.047 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

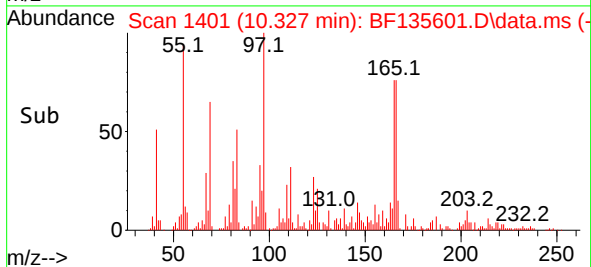
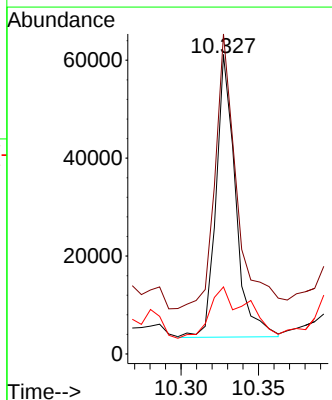
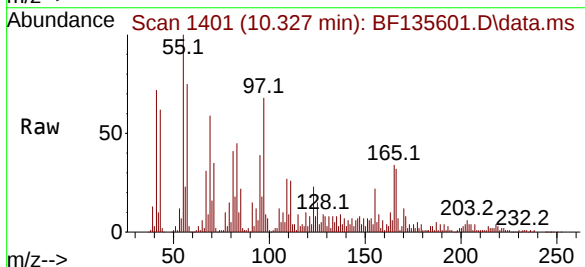
Instrument :
BNA_F
ClientSampleId :
WC-1

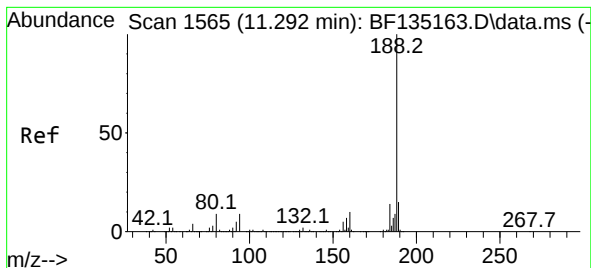
Tgt Ion:139 Resp: 5163
Ion Ratio Lower Upper
139 100
109 595.9 49.8 89.8#
65 126.2 92.7 132.7



#58
Fluorene
Concen: 4.297 ng
RT: 10.327 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:166 Resp: 50535
Ion Ratio Lower Upper
166 100
165 106.9 74.3 111.5
167 22.4 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

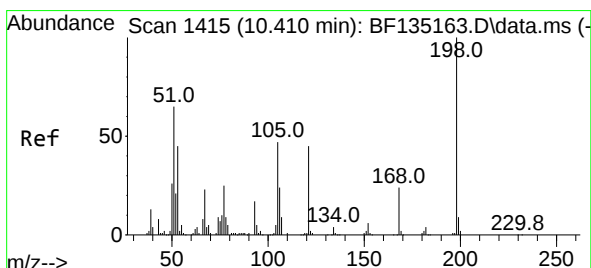
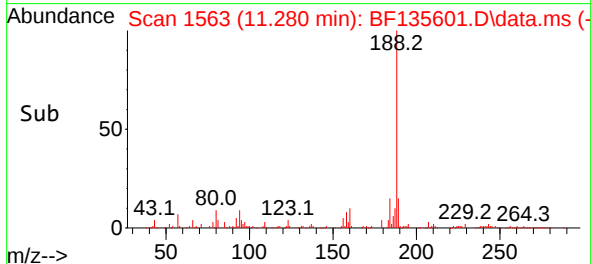
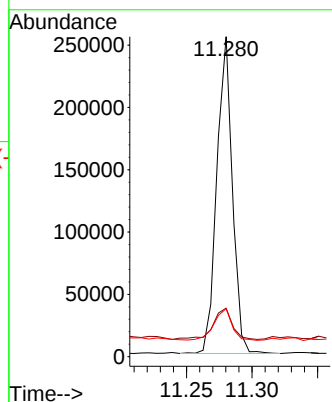
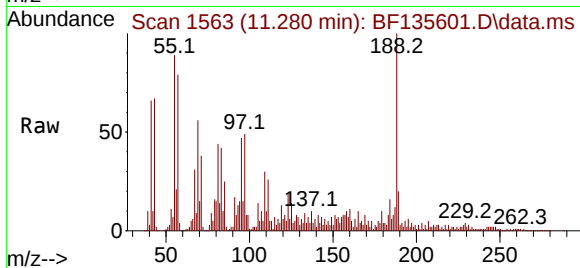
Tgt Ion:188 Resp: 209487

Ion Ratio Lower Upper

188 100

94 15.2 7.0 10.6#

80 15.0 7.5 11.3#



#65

4,6-Dinitro-2-methylphenol

Concen: 2.661 ng

RT: 10.463 min Scan# 1424

Delta R.T. 0.065 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

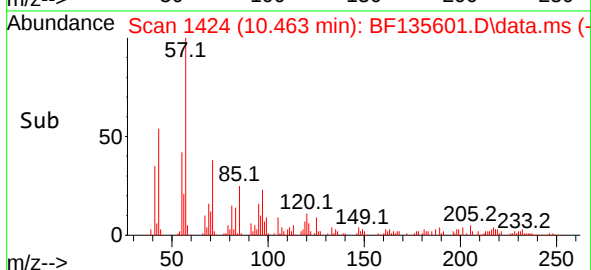
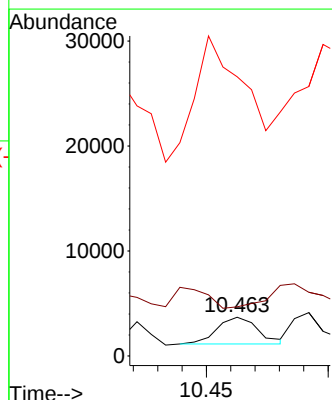
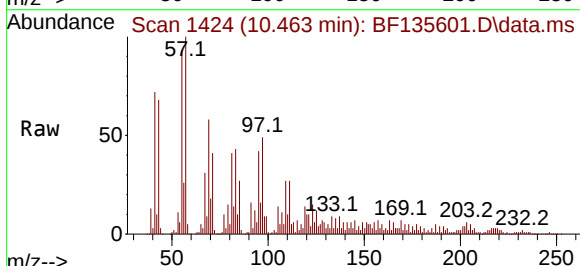
Tgt Ion:198 Resp: 2961

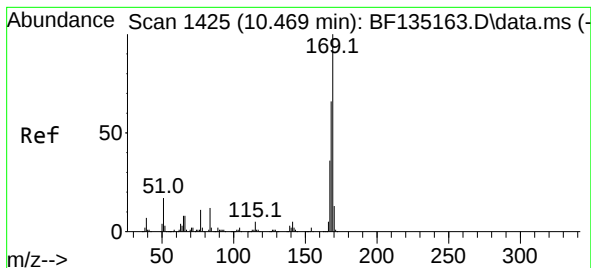
Ion Ratio Lower Upper

198 100

51 127.0 47.7 87.7#

105 721.6 27.4 67.4#





#66

n-Nitrosodiphenylamine

Concen: 13.747 ng

RT: 10.698 min Scan# 1425

Delta R.T. 0.253 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

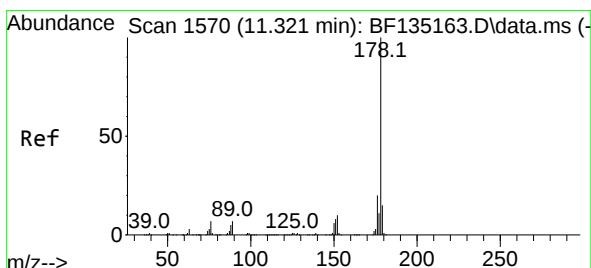
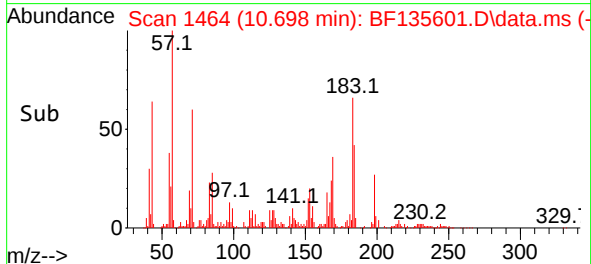
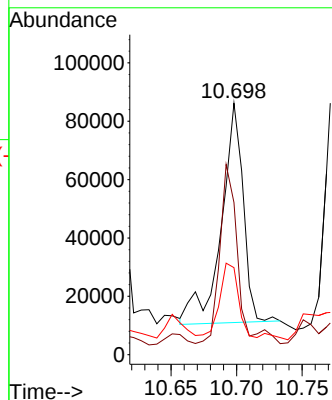
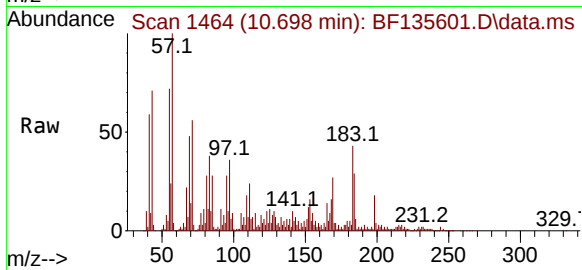
Tgt Ion:169 Resp: 87185

Ion Ratio Lower Upper

169 100

168 60.5 52.8 79.2

167 34.6 29.0 43.6



#71

Phenanthrene

Concen: 42.394 ng

RT: 11.304 min Scan# 1567

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

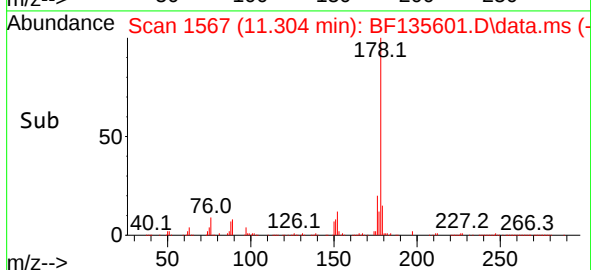
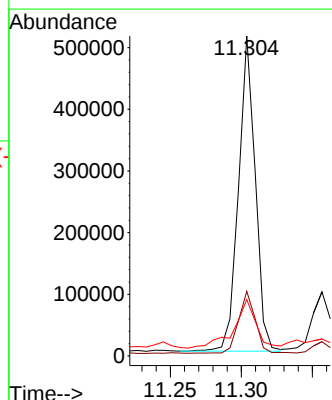
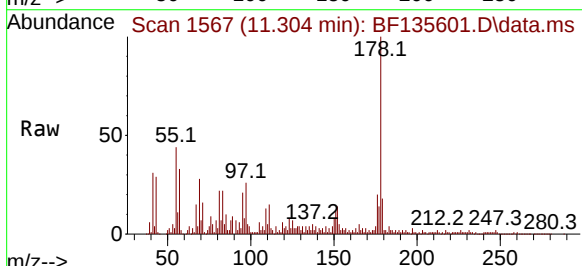
Tgt Ion:178 Resp: 420028

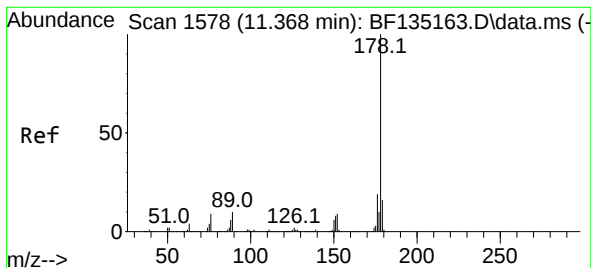
Ion Ratio Lower Upper

178 100

176 20.2 15.6 23.4

179 17.6 12.0 18.0





#72

Anthracene

Concen: 41.243 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.041 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

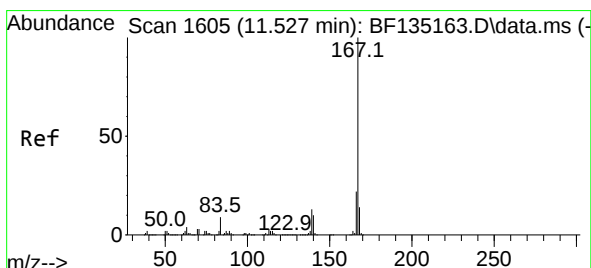
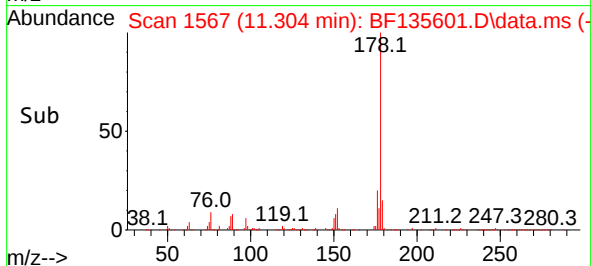
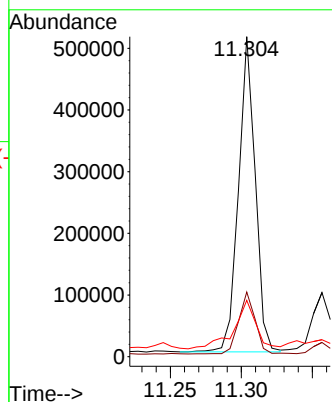
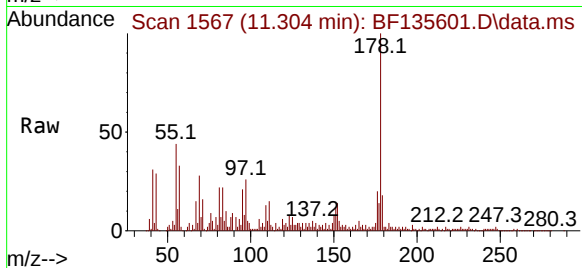
Tgt Ion:178 Resp: 420028

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.2

179 17.6 12.6 19.0



#73

Carbazole

Concen: 5.747 ng

RT: 11.516 min Scan# 1603

Delta R.T. 0.006 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

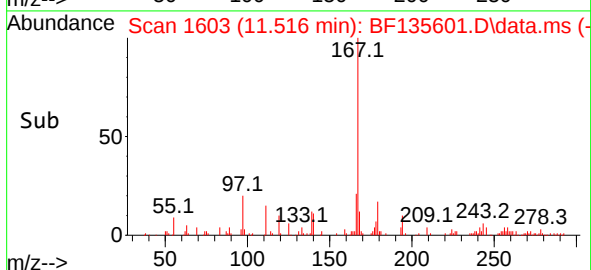
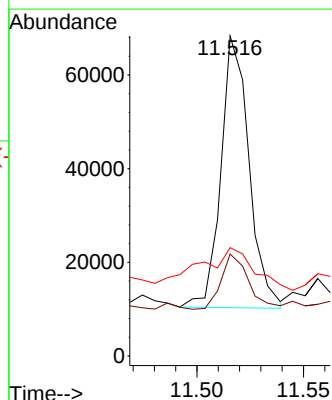
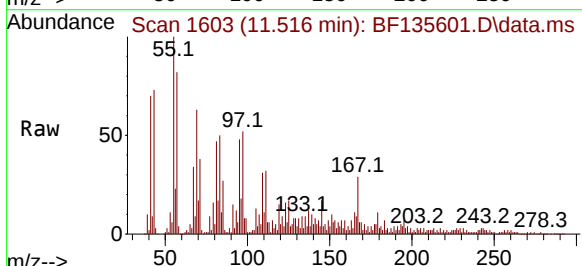
Tgt Ion:167 Resp: 53280

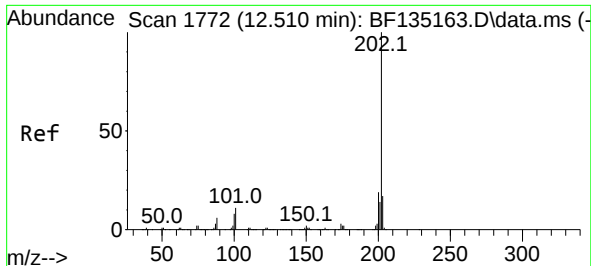
Ion Ratio Lower Upper

167 100

166 31.8 17.4 26.0#

139 33.8 10.6 15.8#

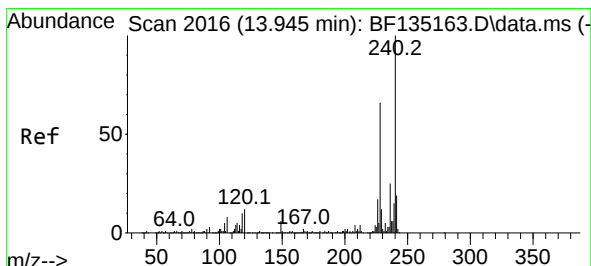
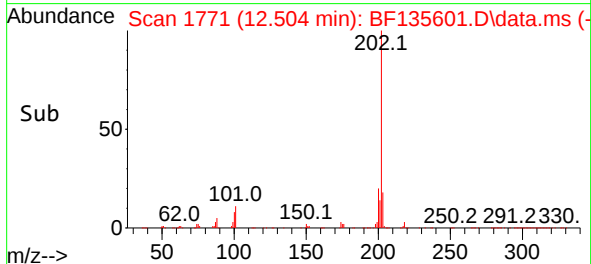
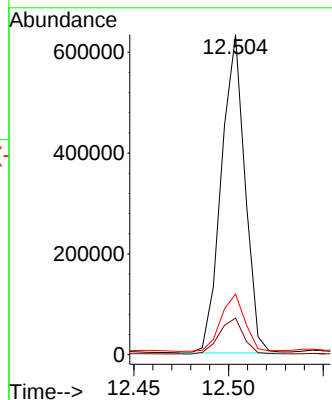
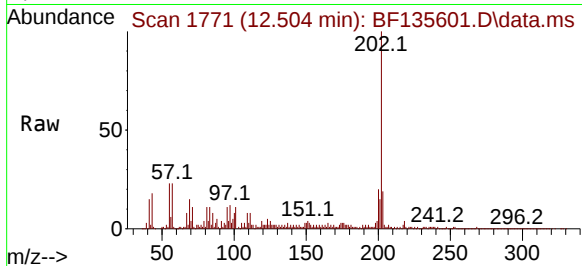




#75
Fluoranthene
Concen: 53.038 ng
RT: 12.504 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

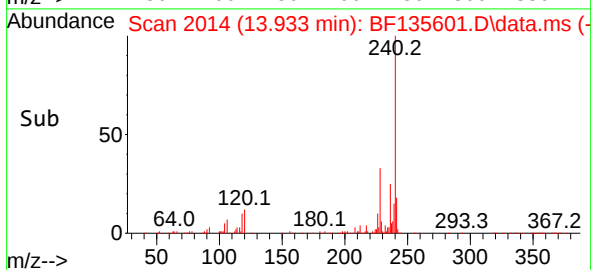
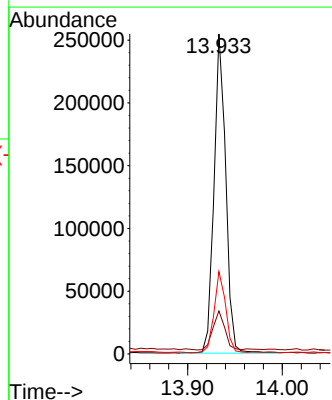
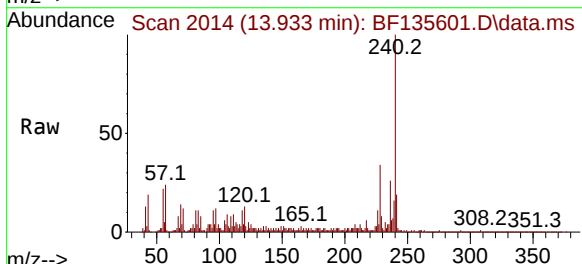
Instrument :
BNA_F
ClientSampleId :
WC-1

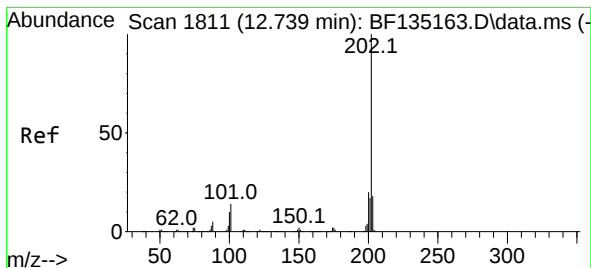
Tgt Ion:202 Resp: 547558
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.3
203 19.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF135601.D
Acq: 05 Oct 2023 15:59

Tgt Ion:240 Resp: 219825
Ion Ratio Lower Upper
240 100
120 13.5 9.4 14.2
236 25.8 19.8 29.8





#78

Pyrene

Concen: 23.108 ng

RT: 12.733 min Scan# 1811

Delta R.T. 0.018 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

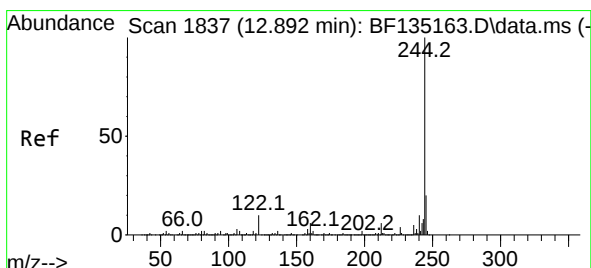
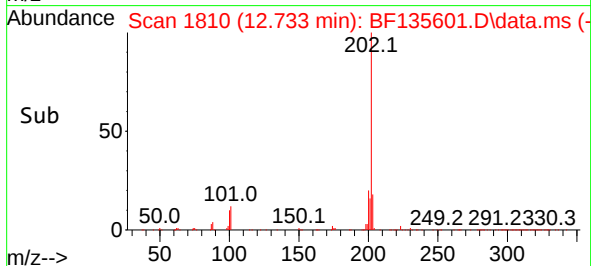
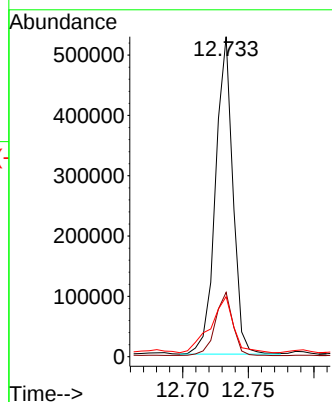
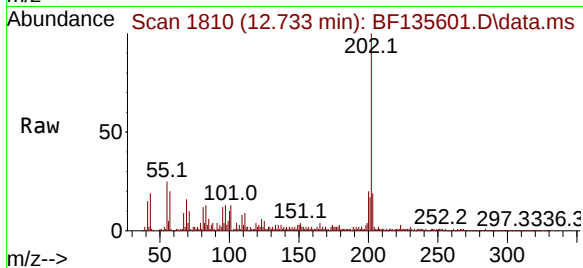
Tgt Ion:202 Resp: 483620

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 18.7 14.2 21.4



#79

Terphenyl-d14

Concen: 36.356 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.006 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

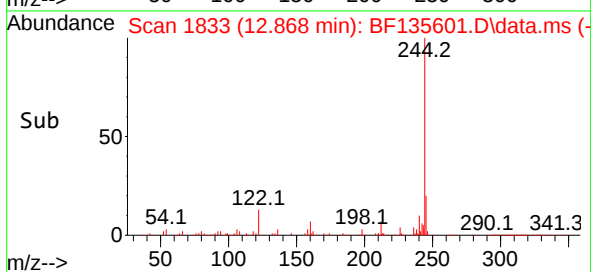
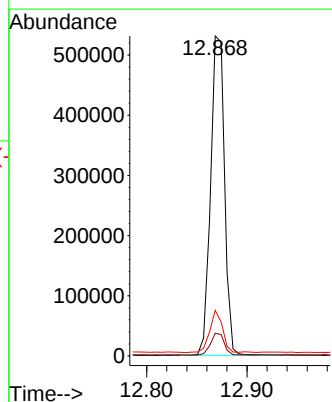
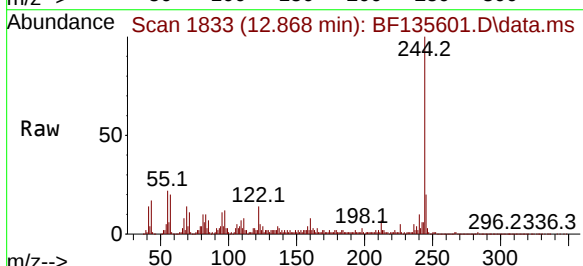
Tgt Ion:244 Resp: 515546

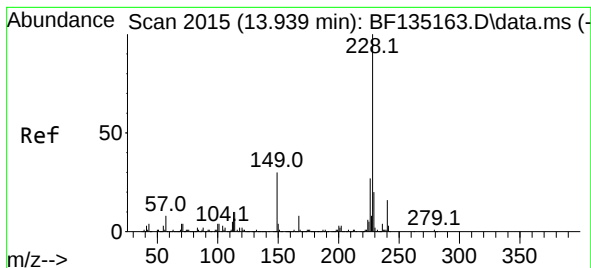
Ion Ratio Lower Upper

244 100

212 7.1 5.1 7.7

122 14.2 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 18.133 ng

RT: 13.927 min Scan# 2019

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

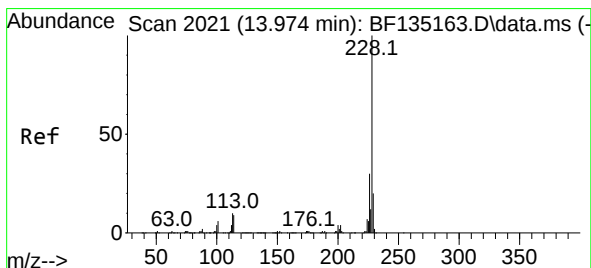
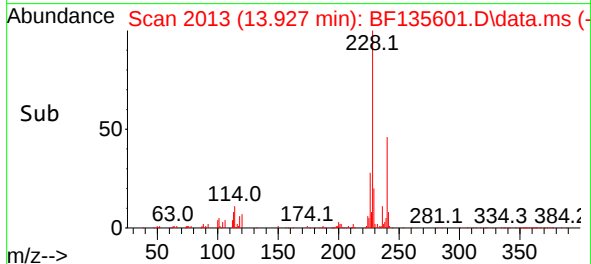
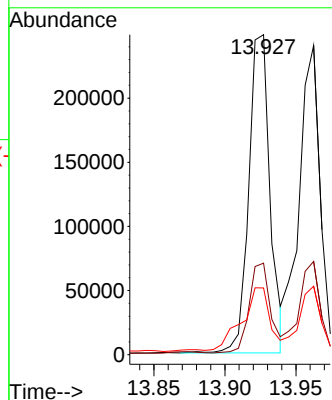
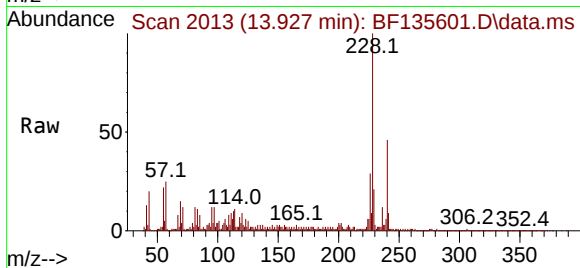
Tgt Ion:228 Resp: 257399

Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

229 20.9 15.8 23.8



#83

Chrysene

Concen: 17.620 ng

RT: 13.962 min Scan# 2019

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

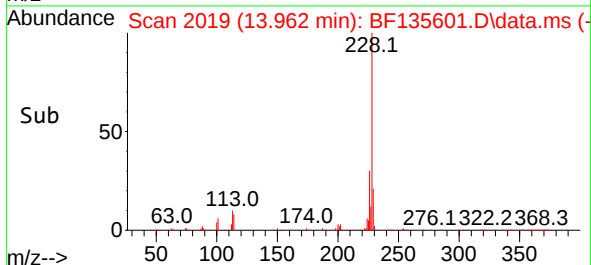
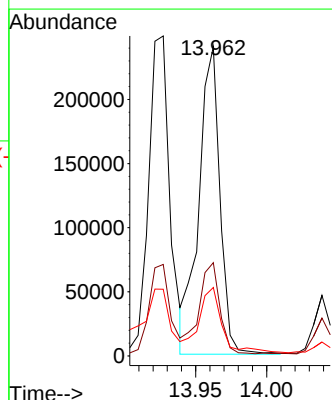
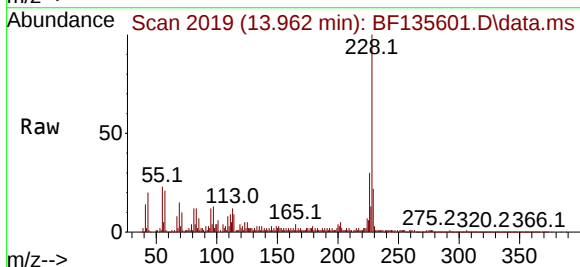
Tgt Ion:228 Resp: 248662

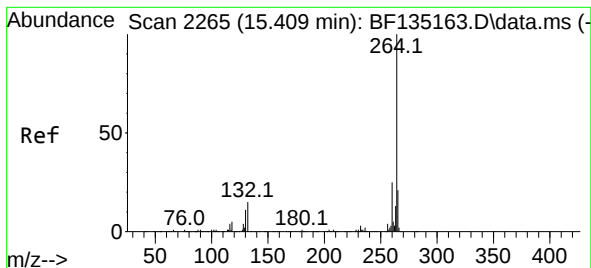
Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.2 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

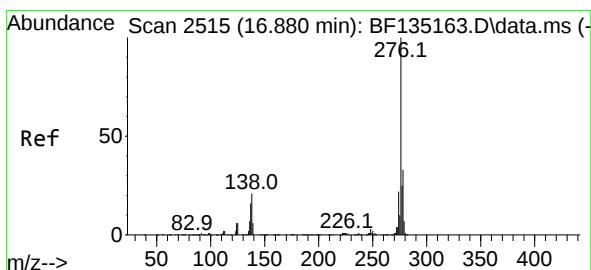
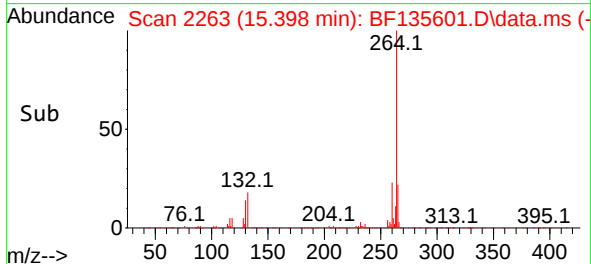
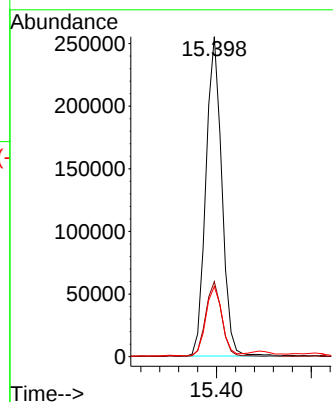
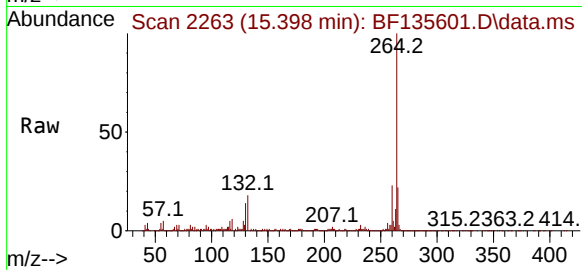
Tgt Ion:264 Resp: 296564

Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 22.0 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.950 ng

RT: 16.880 min Scan# 2515

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

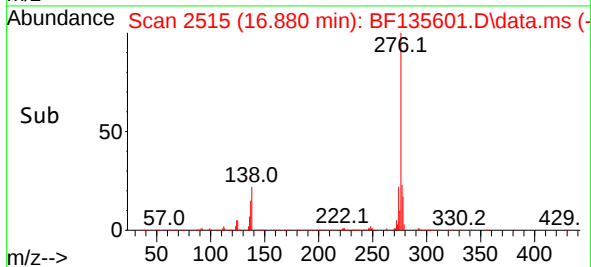
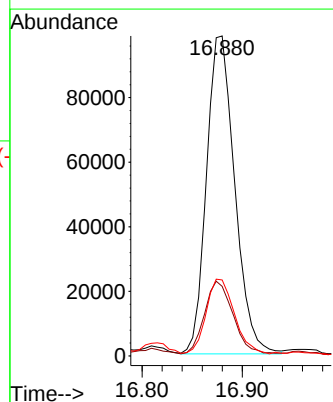
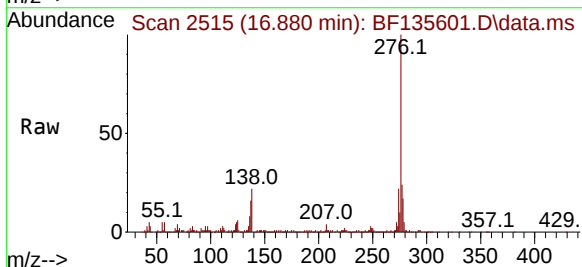
Tgt Ion:276 Resp: 193480

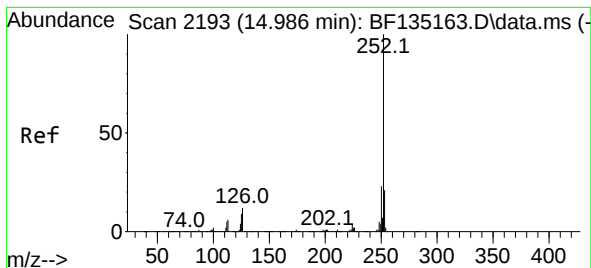
Ion Ratio Lower Upper

276 100

138 23.5 19.2 28.8

277 23.9 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 30.233 ng

RT: 14.974 min Scan# 2191

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

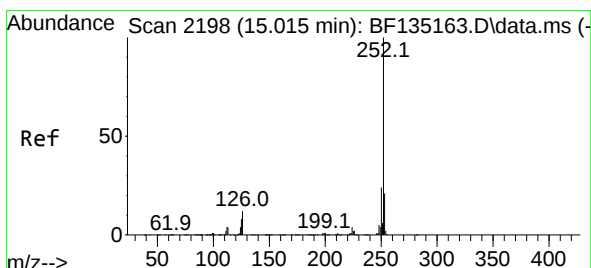
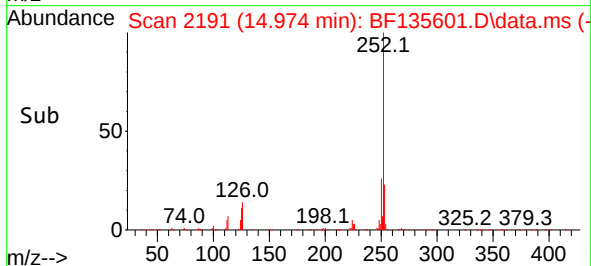
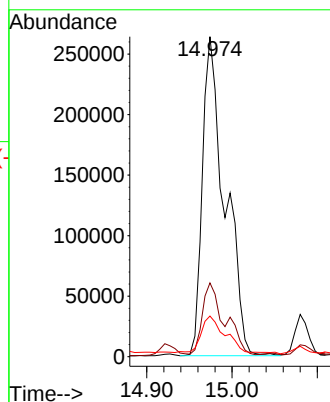
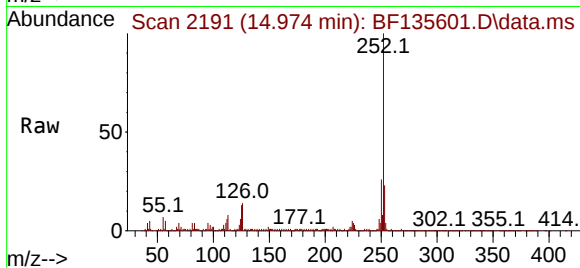
Tgt Ion:252 Resp: 485365

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

125 12.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 30.606 ng

RT: 14.974 min Scan# 2191

Delta R.T. -0.018 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

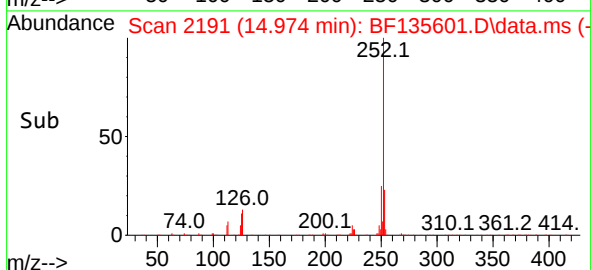
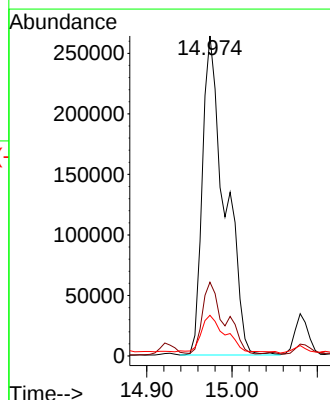
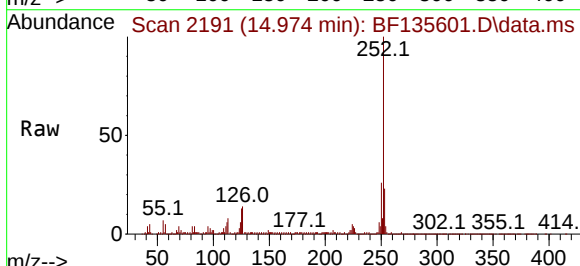
Tgt Ion:252 Resp: 485365

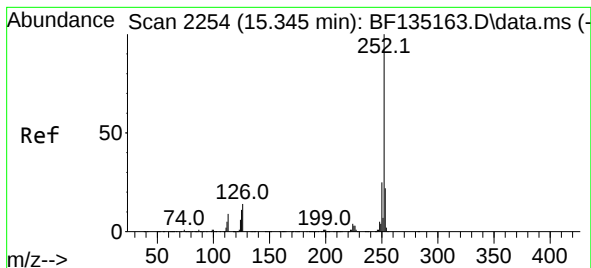
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 12.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 16.814 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Instrument :

BNA_F

ClientSampleId :

WC-1

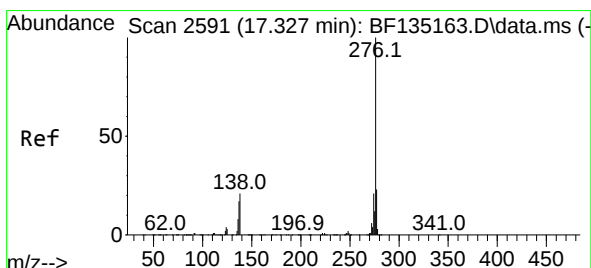
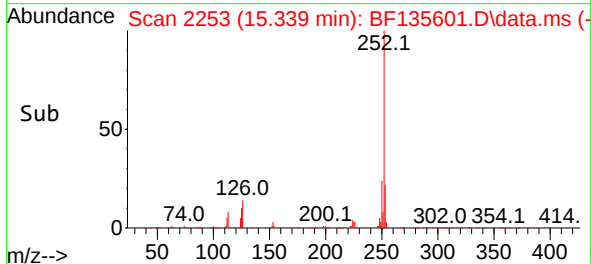
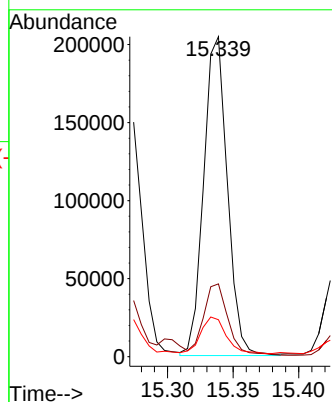
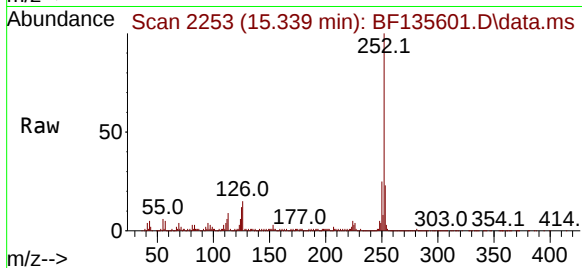
Tgt Ion:252 Resp: 257413

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.6 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 10.915 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.018 min

Lab File: BF135601.D

Acq: 05 Oct 2023 15:59

Tgt Ion:276 Resp: 181363

Ion Ratio Lower Upper

276 100

277 22.2 18.8 28.2

138 21.3 16.9 25.3

