

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135823.D
 Acq On : 17 Oct 2023 21:01
 Operator : CG\JU
 Sample : 04878-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 222

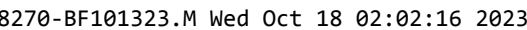
Quant Time: Oct 18 02:02:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

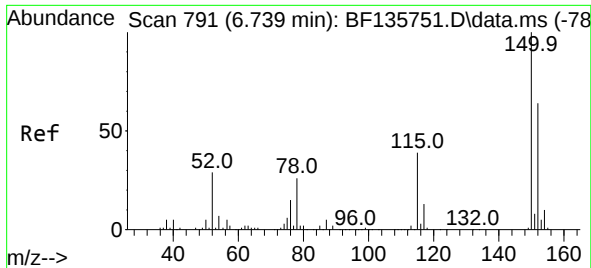
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	80756	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	293346	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	89890	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	2220	20.000	ng	#-0.03
76) Chrysene-d12	13.998	240	113513	20.000	ng	# 0.05
86) Perylene-d12	15.451	264	153978	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	647124	128.834	ng	0.00
7) Phenol-d6	6.393	99	739357	117.972	ng	0.00
23) Nitrobenzene-d5	7.304	82	450465	84.457	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	92816	107.604	ng	0.02
45) 2-Fluorobiphenyl	9.098	172	686274	119.368	ng	0.00
79) Terphenyl-d14	12.957	244	322724	52.651	ng	0.08
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	60128	15.517	ng	# 74
25) Isophorone	7.304	82	448344	44.557	ng	# 66
49) Acenaphthylene	9.639	152	16686	2.032	ng	# 1
51) 2,6-Dinitrotoluene	9.575	165	13406	10.273	ng	# 27
53) 3-Nitroaniline	9.757	138	15788	9.870	ng	# 25
56) 4-Nitrophenol	9.922	139	9829	17.982	ng	# 1
57) 2,4-Dinitrotoluene	9.998	165	6496	3.913	ng	# 48
59) 2,3,4,6-Tetrachlorophenol	10.110	232	4275	2.919	ng	# 1
60) Diethylphthalate	10.216	149	31028	5.009	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.351	204	9889	3.519	ng	# 1
62) 4-Nitroaniline	10.204	138	25084	17.043	ng	88
63) Azobenzene	10.504	77	20257	3.366	ng	# 41
65) 4,6-Dinitro-2-methylph...	10.363	198	2266	202.821	ng	# 1
66) n-Nitrosodiphenylamine	10.445	169	14550	215.030	ng	# 64
67) 4-Bromophenyl-phenylether	10.798	248	1106	49.630	ng	# 1
69) Atrazine	10.945	200	2137	116.110	ng	# 1
70) Pentachlorophenol	11.051	266	7672	857.352	ng	# 15
71) Phenanthrene	11.245	178	12898	121.281	ng	# 1
72) Anthracene	11.322	178	14577	132.275	ng	# 1
73) Carbazole	11.533	167	11828	115.083	ng	# 1
74) Di-n-butylphthalate	11.851	149	14777	117.103	ng	# 13
75) Fluoranthene	12.475	202	2819	23.883	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.945	149	22190	4.130	ng	# 73
88) Benzo(b)fluoranthene	15.027	252	22282	2.586	ng	# 11
89) Benzo(k)fluoranthene	15.027	252	22282	2.663	ng	# 8

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

Quant Time: Oct 18 02:02:03 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
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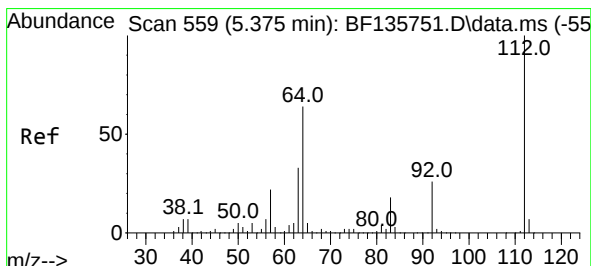
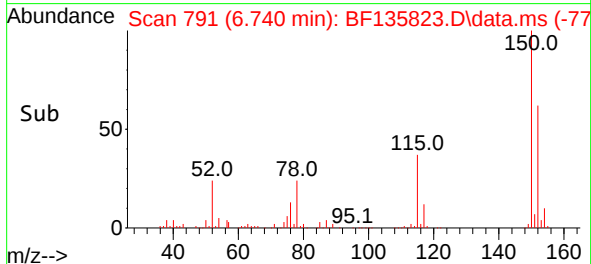
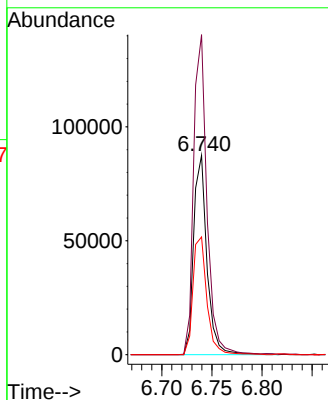
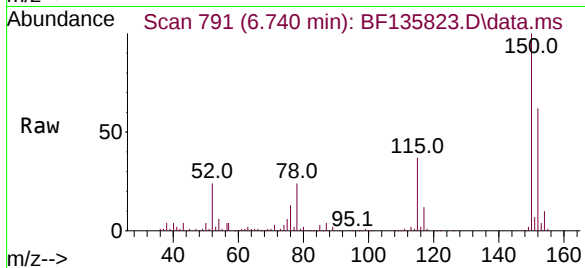




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

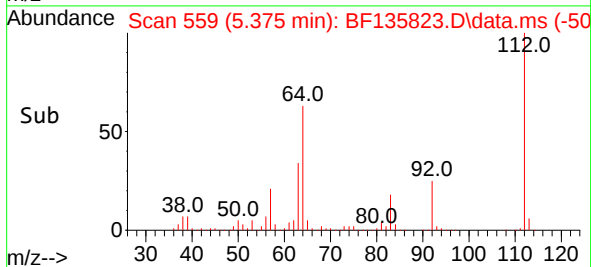
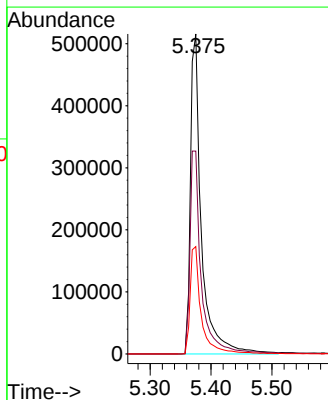
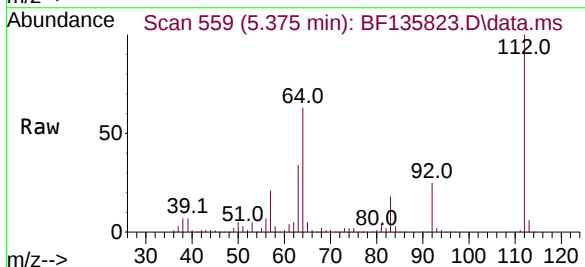
Instrument :
BNA_F
ClientSampleId :
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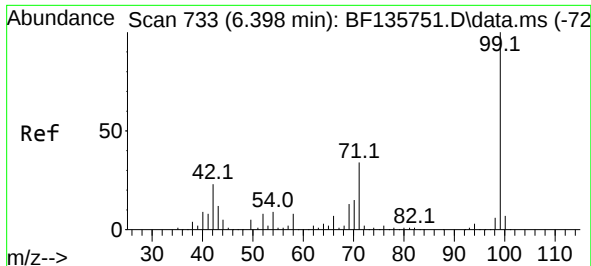
Tgt Ion:152 Resp: 80756
Ion Ratio Lower Upper
152 100
150 160.5 124.5 186.7
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 128.834 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:112 Resp: 647124
Ion Ratio Lower Upper
112 100
64 63.4 51.2 76.8
63 33.5 26.1 39.1

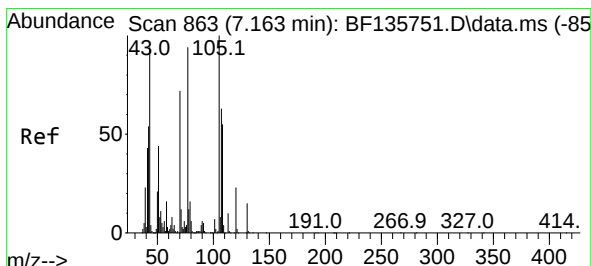
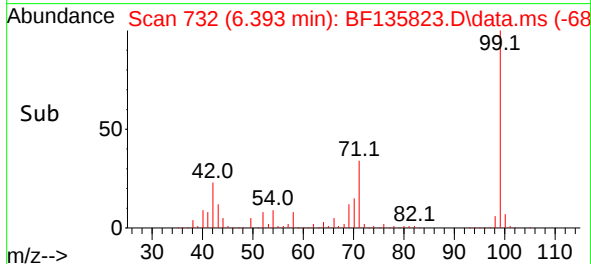
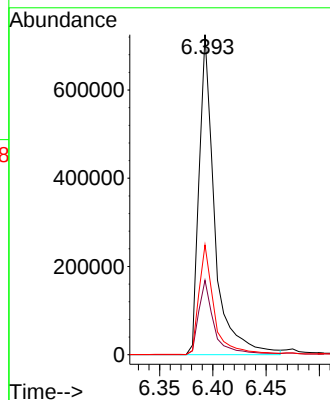
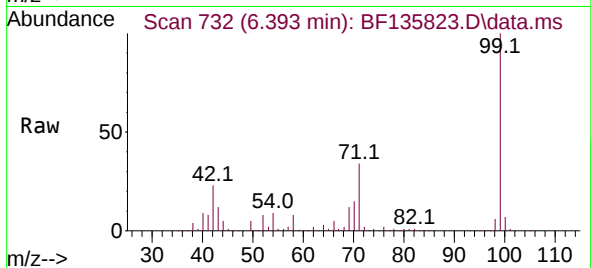




#7
Phenol-d6
Concen: 117.972 ng
RT: 6.393 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

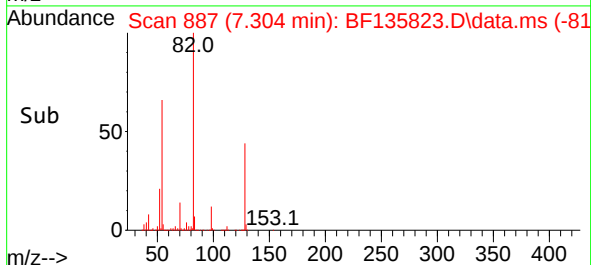
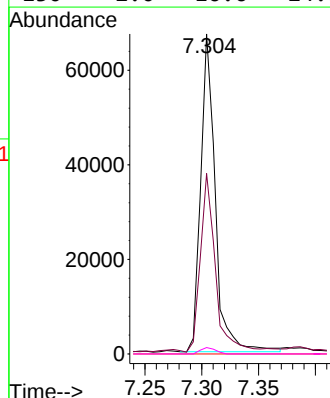
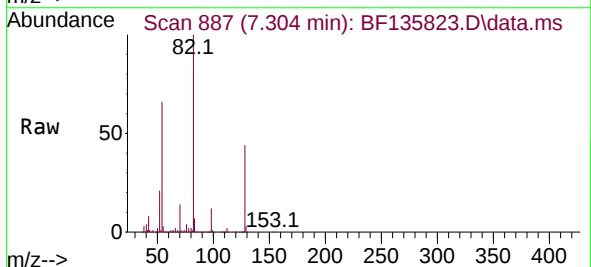
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ClientSampleId :
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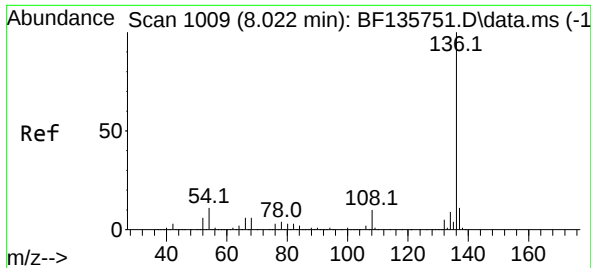
Tgt Ion: 99 Resp: 739357
Ion Ratio Lower Upper
99 100
42 23.2 18.4 27.6
71 34.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.517 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion: 70 Resp: 60128
Ion Ratio Lower Upper
70 100
42 56.4 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#

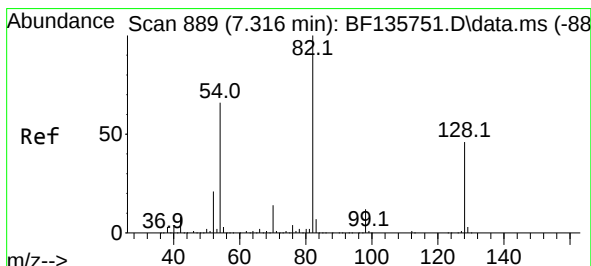
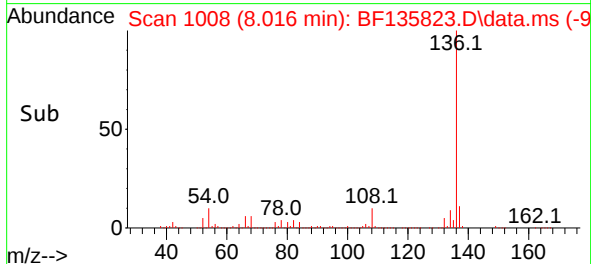
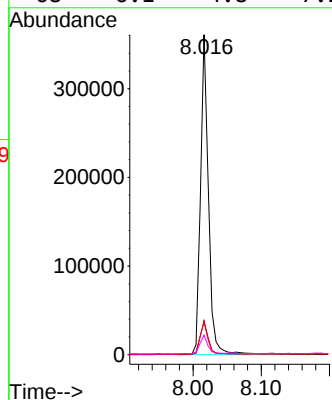
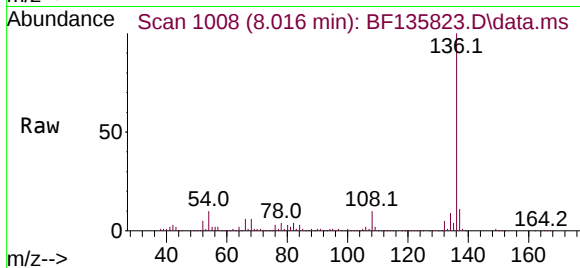




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

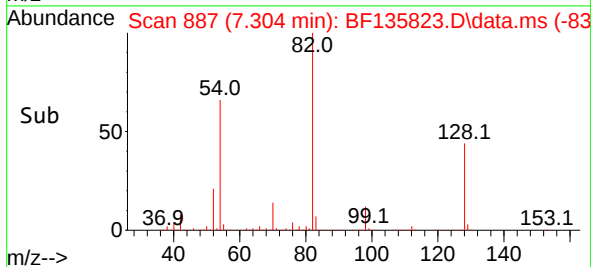
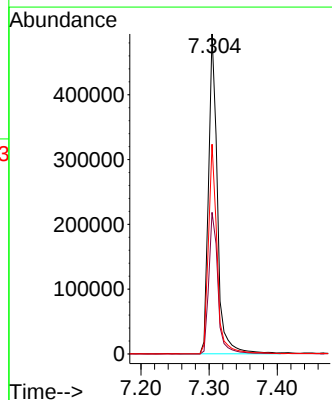
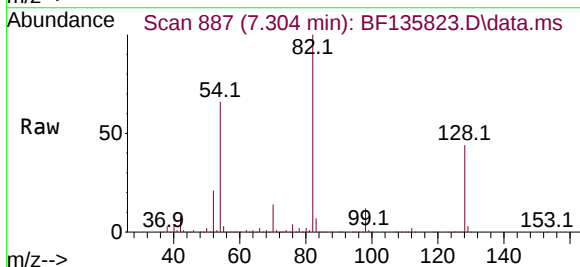
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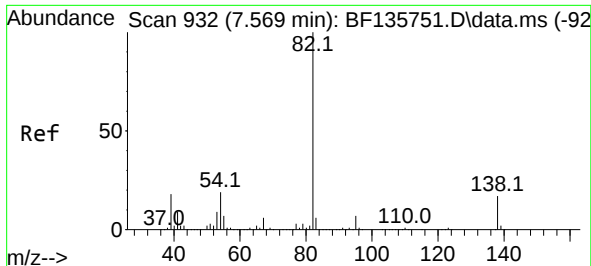
Tgt Ion:136	Resp:	293346	
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	10.1	8.5	12.7
68	6.1	4.8	7.2



#23
Nitrobenzene-d5
Concen: 84.457 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion: 82	Resp: 450465
Ion Ratio	Lower Upper
82 100	
128 44.3	37.0 55.6
54 65.5	52.8 79.2

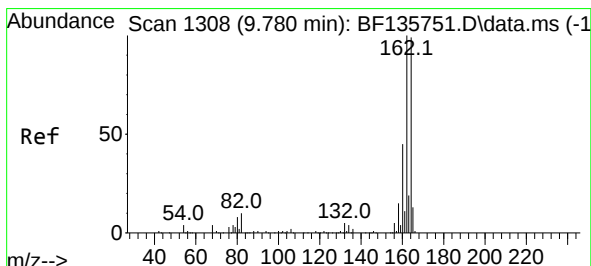
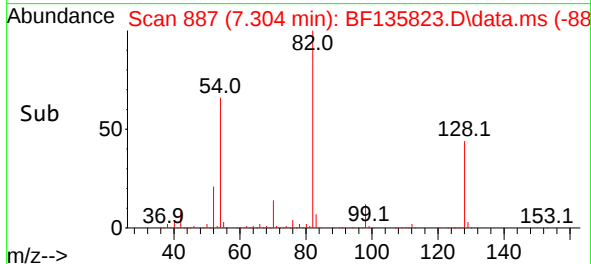
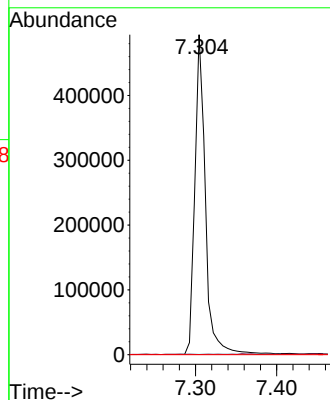
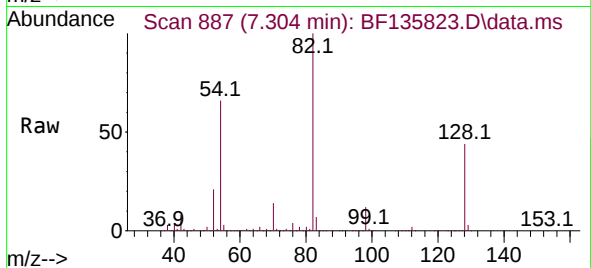




#25
Isophorone
Concen: 44.557 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

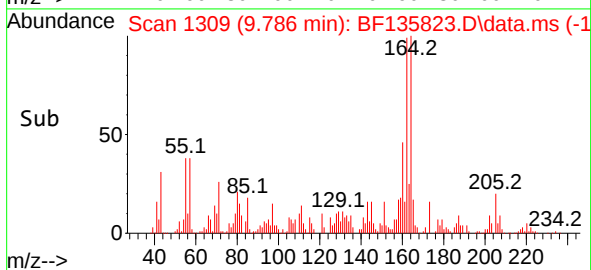
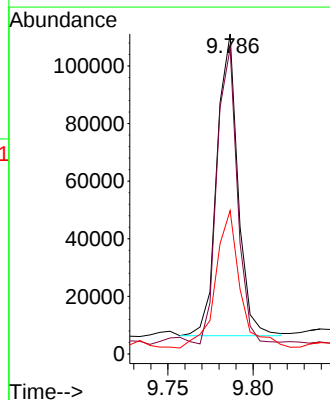
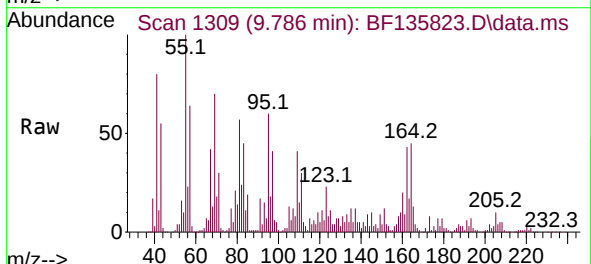
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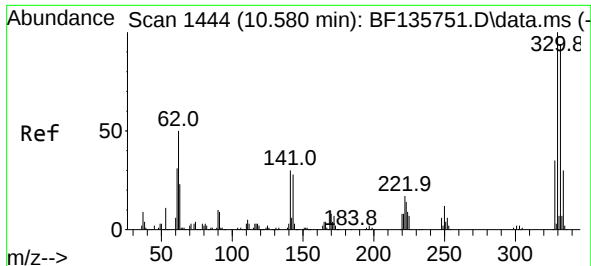
Tgt Ion: 82 Resp: 448344
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:164 Resp: 89890
Ion Ratio Lower Upper
164 100
162 95.6 80.8 121.2
160 44.8 36.6 54.8

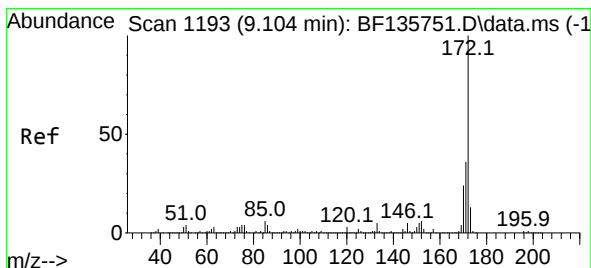
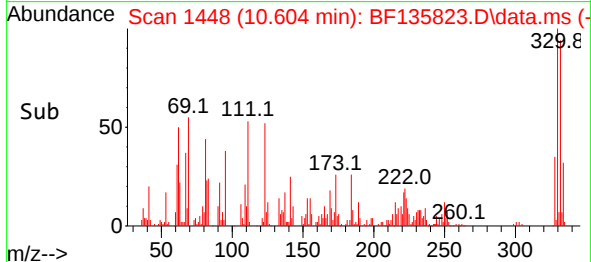
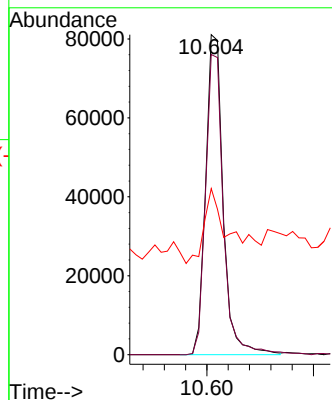
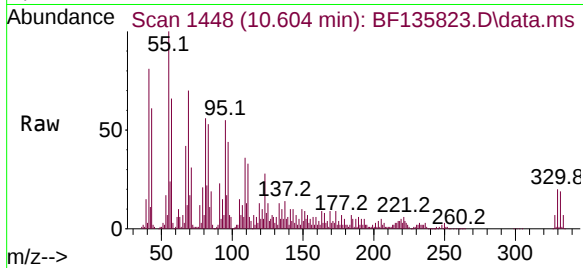




#42
2,4,6-Tribromophenol
Concen: 107.604 ng
RT: 10.604 min Scan# 1444
Delta R.T. 0.018 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

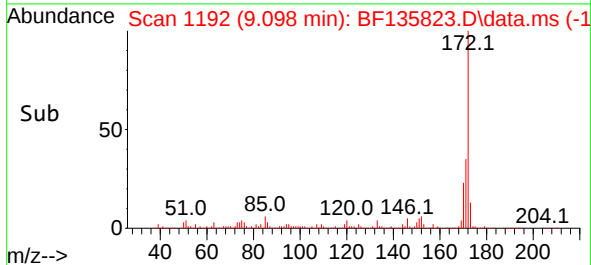
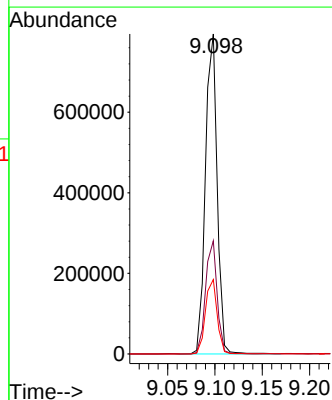
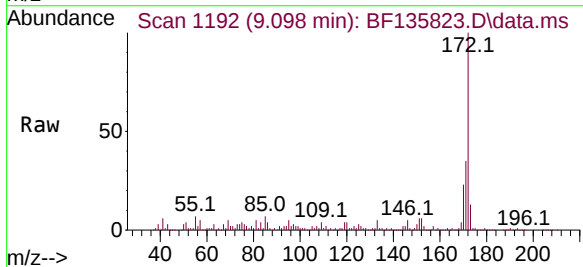
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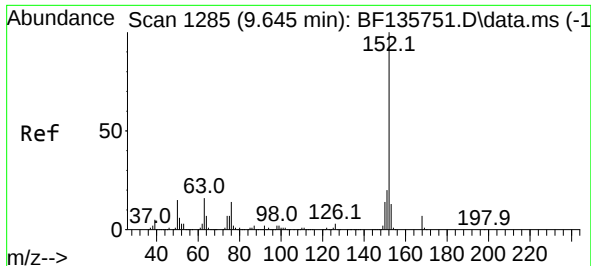
Tgt Ion:330 Resp: 92816
Ion Ratio Lower Upper
330 100
332 95.9 75.0 112.4
141 35.2 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 119.368 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:172 Resp: 686274
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.2 18.8 28.2

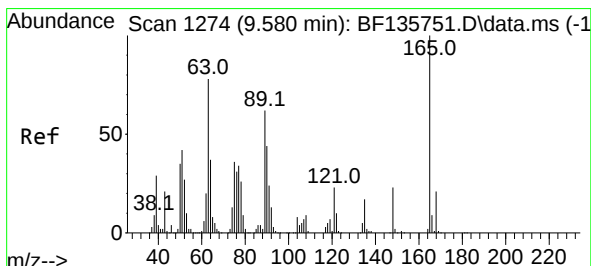
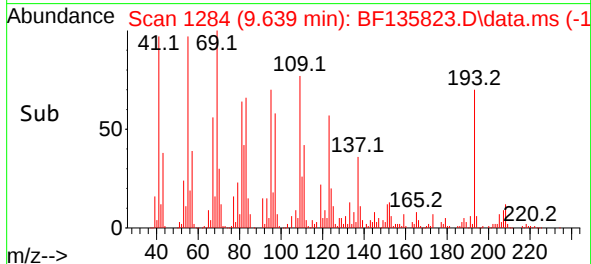
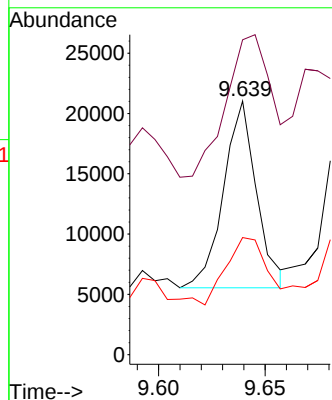
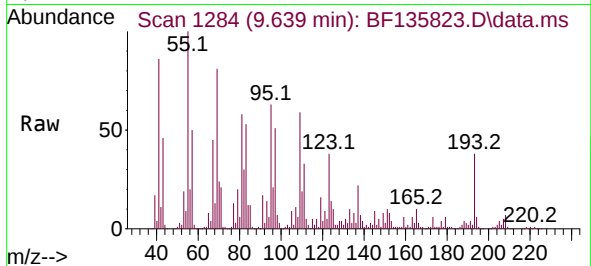




#49
Acenaphthylene
Concen: 2.032 ng
RT: 9.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

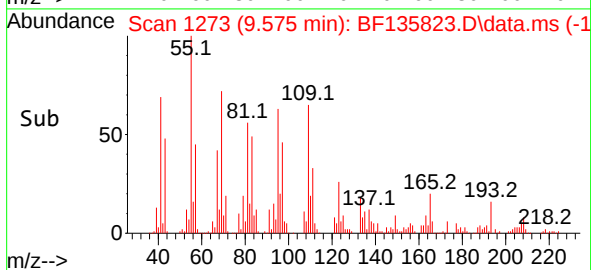
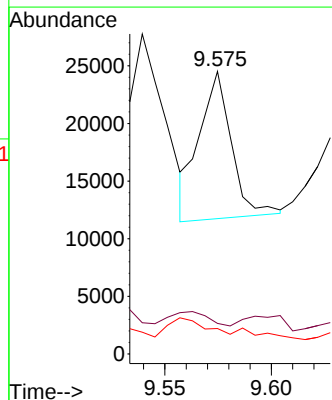
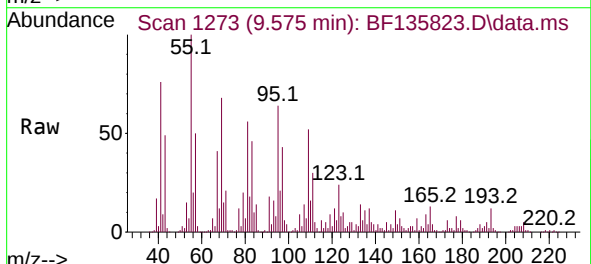
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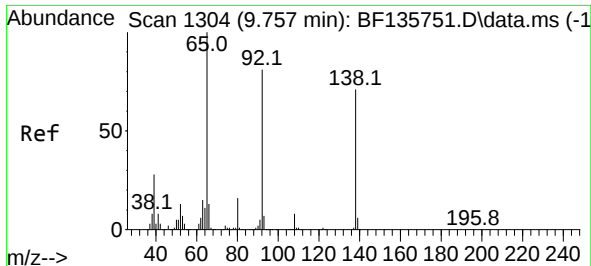
Tgt Ion:152 Resp: 16686
Ion Ratio Lower Upper
152 100
151 124.2 16.2 24.2#
153 46.2 10.2 15.4#



#51
2,6-Dinitrotoluene
Concen: 10.273 ng
RT: 9.575 min Scan# 1273
Delta R.T. -0.012 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:165 Resp: 13406
Ion Ratio Lower Upper
165 100
63 10.8 62.2 93.4#
89 9.0 49.6 74.4#

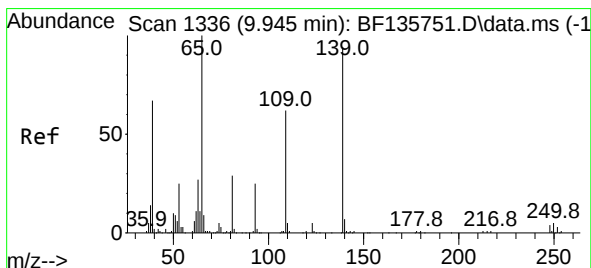
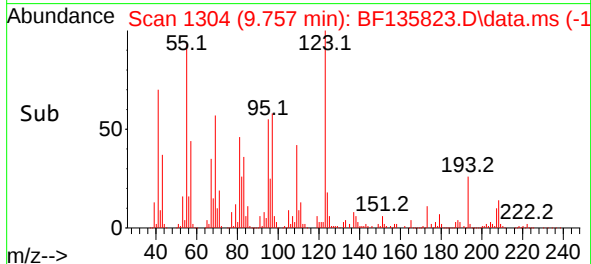
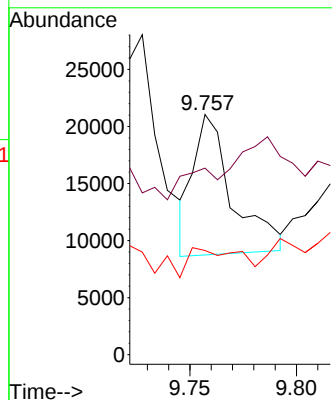
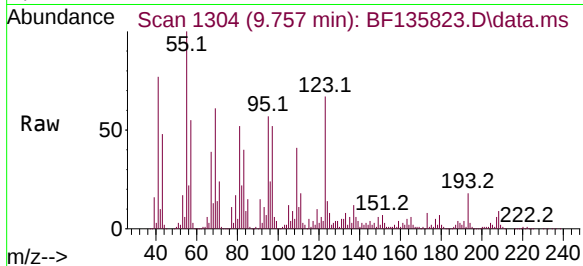




#53
3-Nitroaniline
Concen: 9.870 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

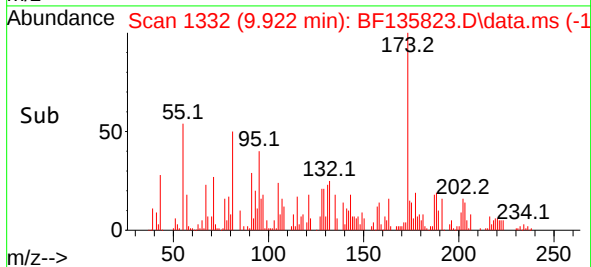
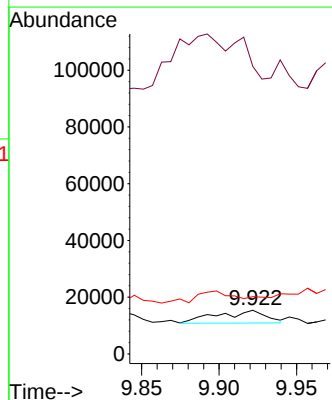
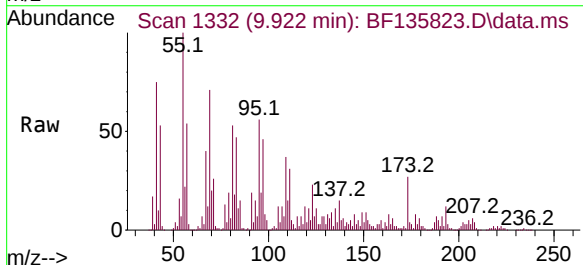
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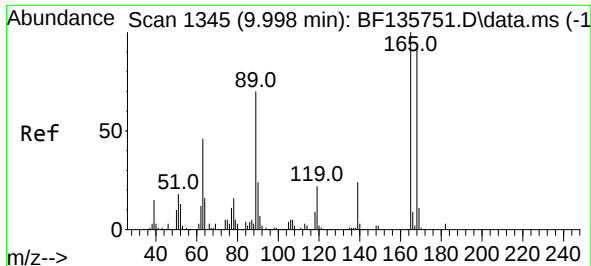
Tgt Ion:138 Resp: 15788
Ion Ratio Lower Upper
138 100
108 77.7 8.6 13.0#
92 43.4 91.3 136.9#



#56
4-Nitrophenol
Concen: 17.982 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.024 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:139 Resp: 9829
Ion Ratio Lower Upper
139 100
109 659.0 45.6 85.6#
65 131.1 87.5 127.5#





#57

2,4-Dinitrotoluene

Concen: 3.913 ng

RT: 9.998 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

Instrument :

BNA_F

ClientSampleId :

222

Tgt Ion:165 Resp: 6496

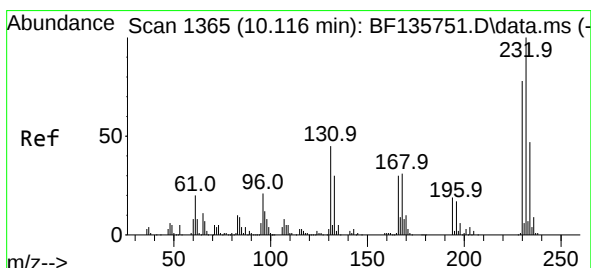
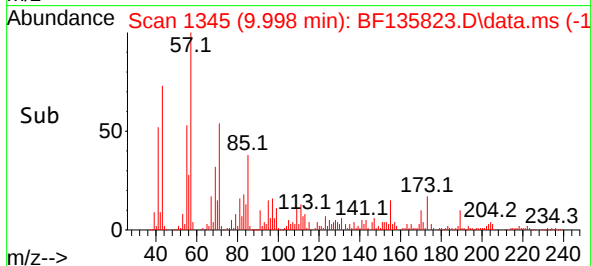
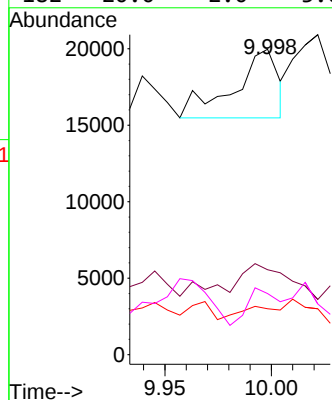
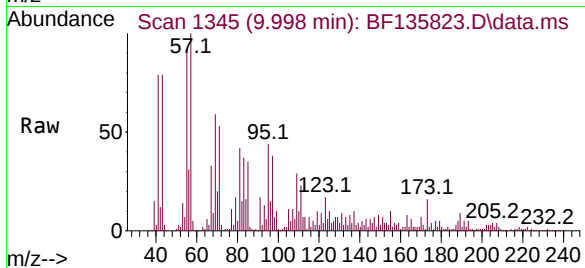
Ion Ratio Lower Upper

165 100

63 27.8 39.0 58.4#

89 15.1 55.9 83.9#

182 20.0 2.0 3.0#



#59

2,3,4,6-Tetrachlorophenol

Concen: 2.919 ng

RT: 10.110 min Scan# 1364

Delta R.T. -0.012 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

Tgt Ion:232 Resp: 4275

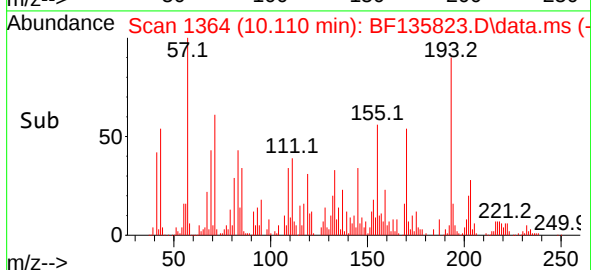
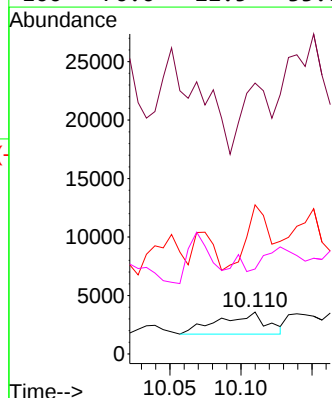
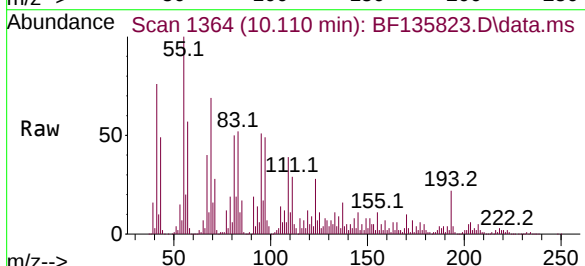
Ion Ratio Lower Upper

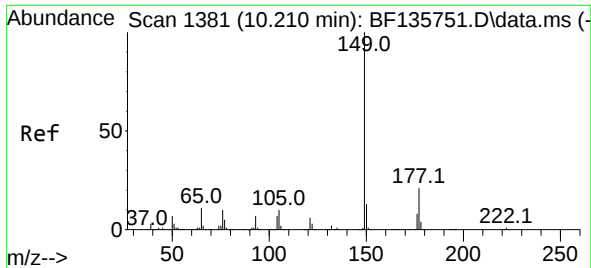
232 100

131 185.8 35.8 53.6#

130 130.5 1.9 2.9#

166 76.6 22.5 33.7#

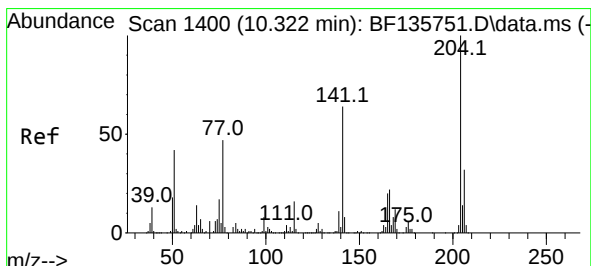
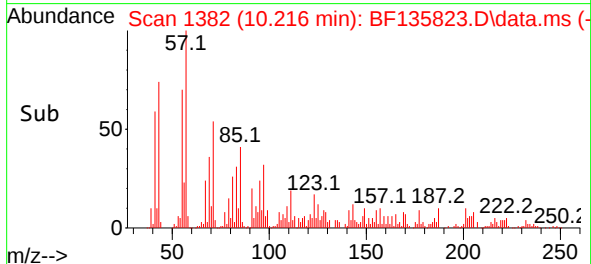
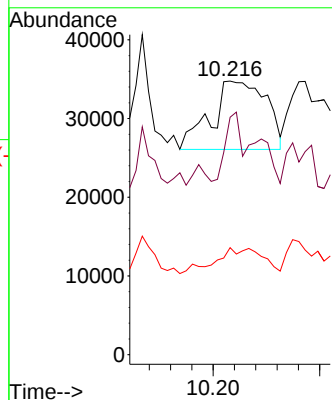
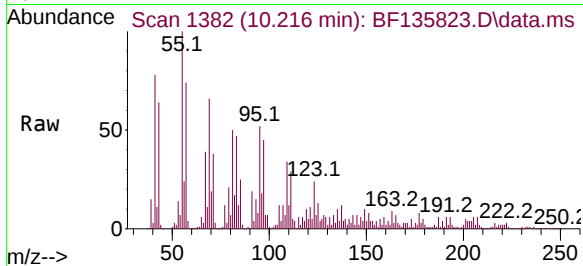




#60
Diethylphthalate
Concen: 5.009 ng
RT: 10.216 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

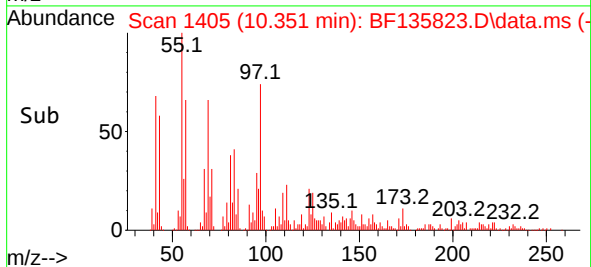
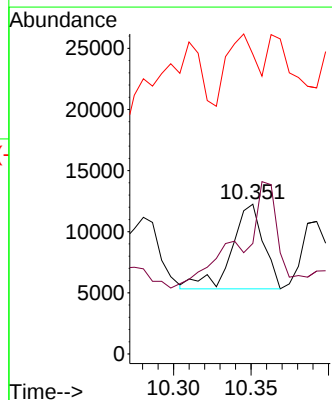
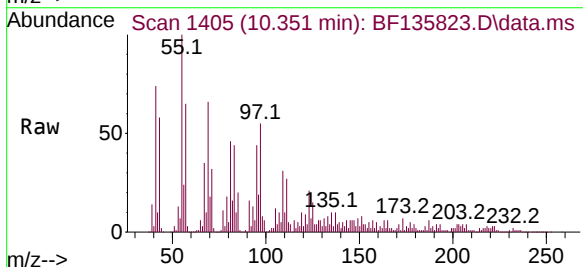
Instrument :
BNA_F
ClientSampleId :
222

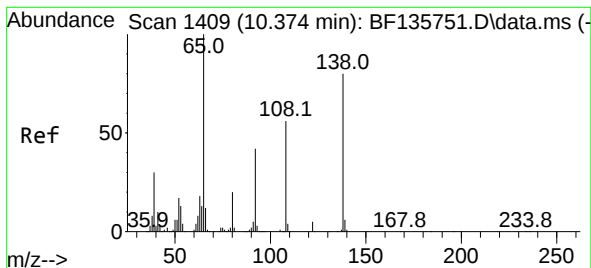
Tgt Ion:149 Resp: 31028
Ion Ratio Lower Upper
149 100
177 86.7 16.9 25.3#
150 39.1 10.2 15.2#



#61
4-Chlorophenyl-phenylether
Concen: 3.519 ng
RT: 10.351 min Scan# 1405
Delta R.T. 0.023 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:204 Resp: 9889
Ion Ratio Lower Upper
204 100
206 73.8 25.8 38.6#
141 200.2 51.4 77.0#

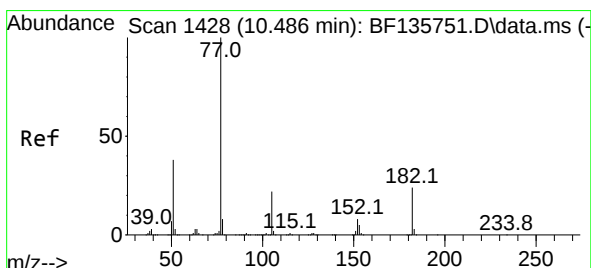
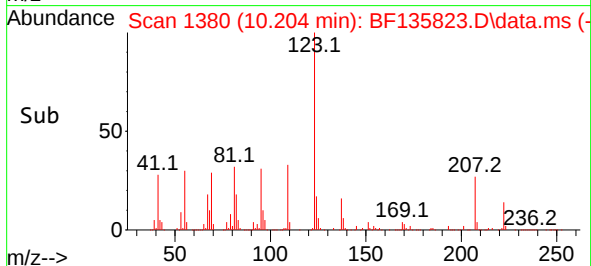
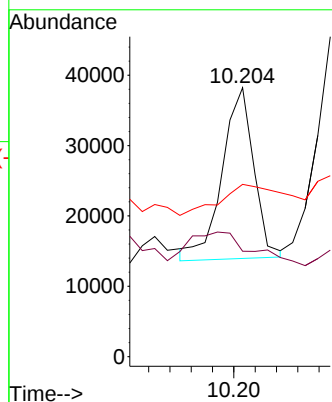
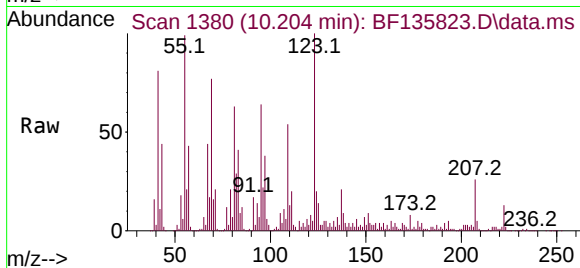




#62
4-Nitroaniline
Concen: 17.043 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.177 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

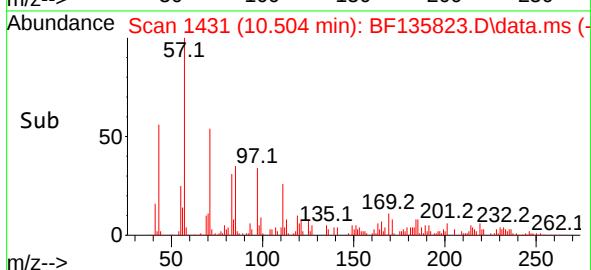
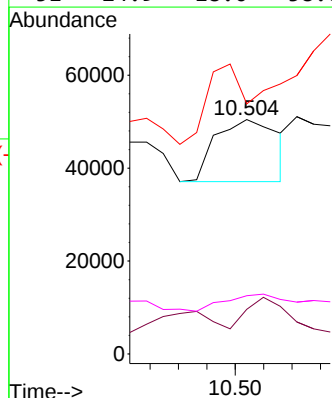
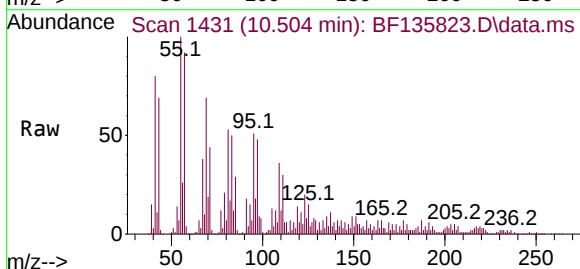
Instrument :
BNA_F
ClientSampleId :
222

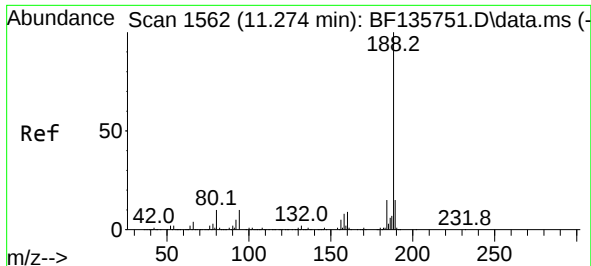
Tgt Ion:138 Resp: 25084
Ion Ratio Lower Upper
138 100
92 39.2 31.9 71.9
108 64.1 49.7 89.7



#63
Azobenzene
Concen: 3.366 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion: 77 Resp: 20257
Ion Ratio Lower Upper
77 100
182 19.1 3.5 43.5
105 106.7 2.2 42.2#
51 24.9 18.0 58.0

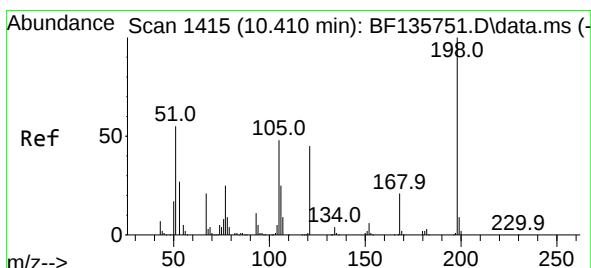
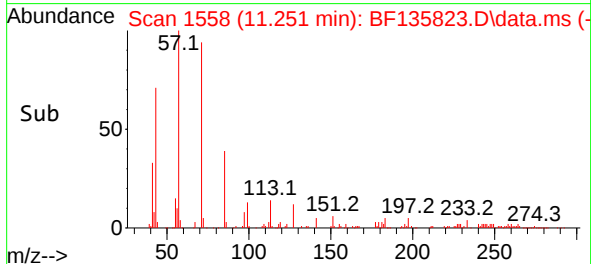
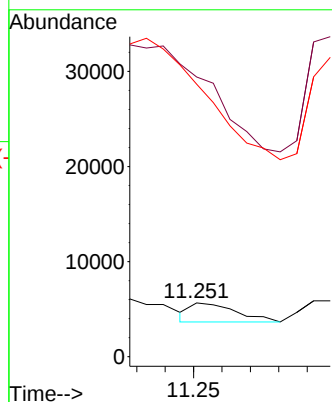
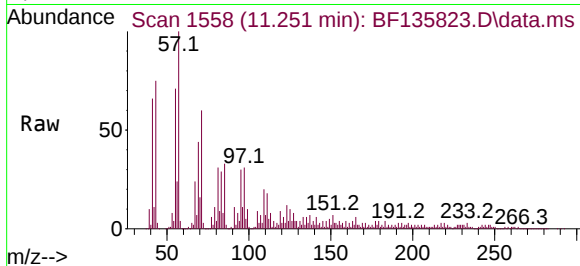




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

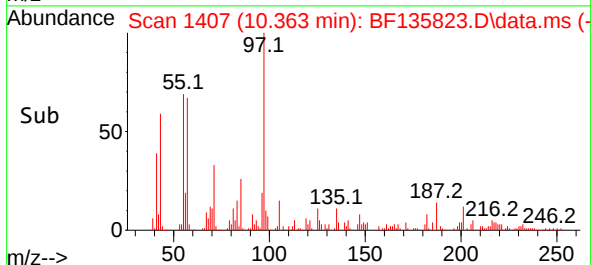
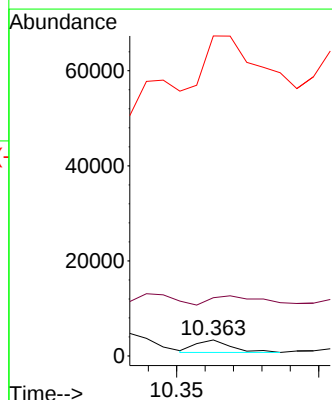
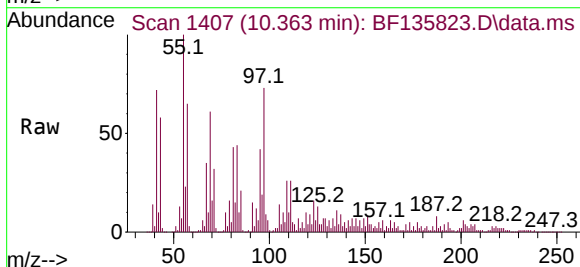
Instrument :
BNA_F
ClientSampleId :
222

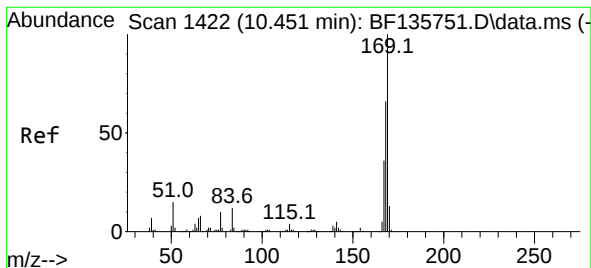
Tgt Ion:188 Resp: 2220
Ion Ratio Lower Upper
188 100
94 520.5 8.0 12.0#
80 507.1 8.3 12.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 202.821 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.053 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:198 Resp: 2266
Ion Ratio Lower Upper
198 100
51 362.1 47.6 87.6#
105 1989.9 29.2 69.2#

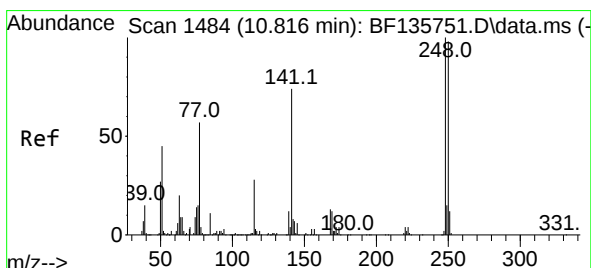
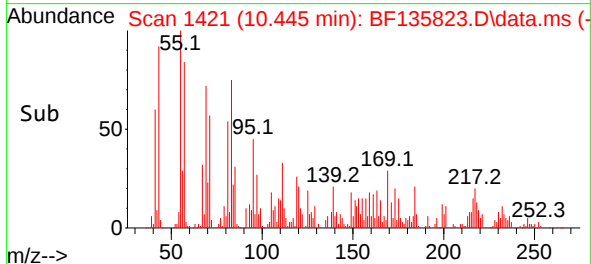
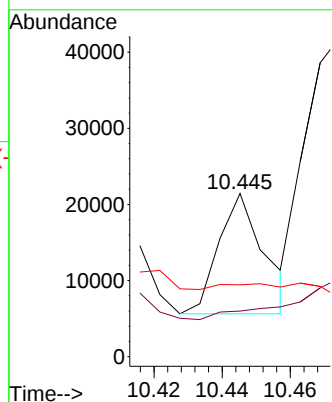
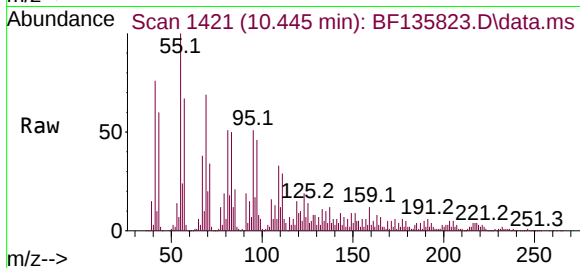




#66
n-Nitrosodiphenylamine
Concen: 215.030 ng
RT: 10.445 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

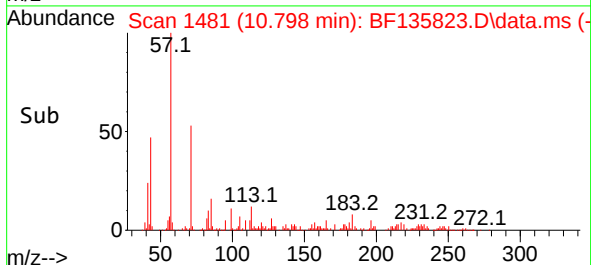
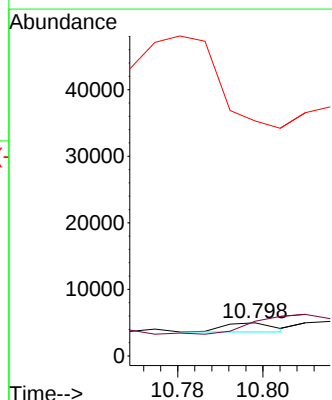
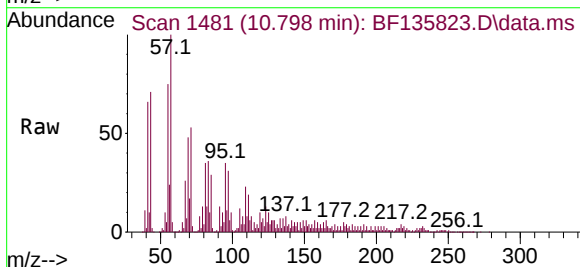
Instrument :
BNA_F
ClientSampleId :
222

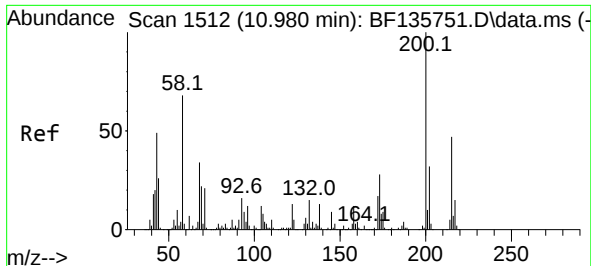
Tgt Ion:169 Resp: 14550
Ion Ratio Lower Upper
169 100
168 28.0 53.4 80.2#
167 44.1 29.2 43.8#



#67
4-Bromophenyl-phenylether
Concen: 49.630 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.024 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:248 Resp: 1106
Ion Ratio Lower Upper
248 100
250 105.0 78.0 117.0
141 710.1 59.0 88.6#

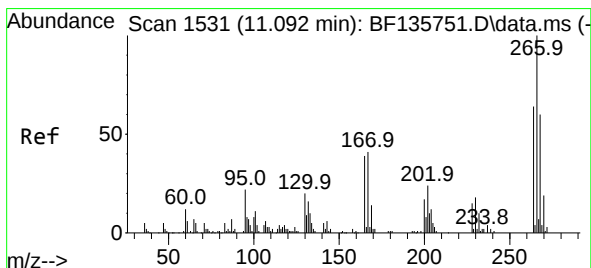
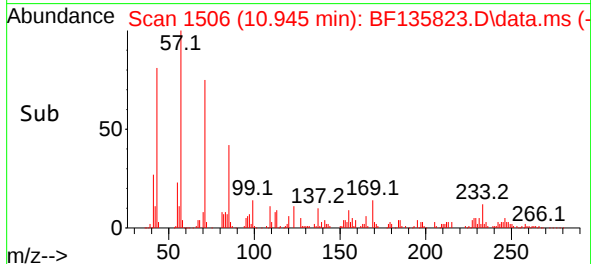
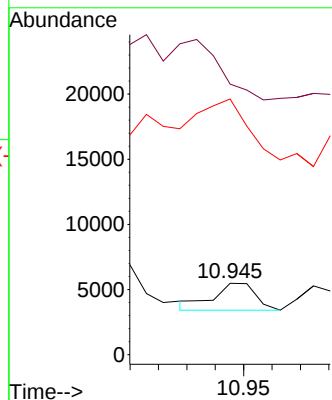
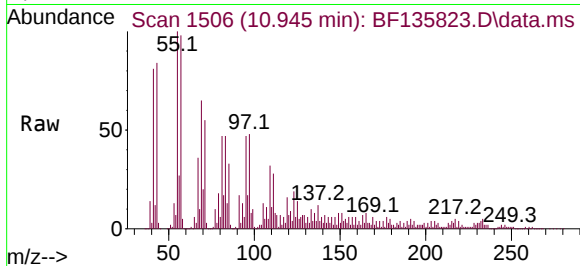




#69
Atrazine
Concen: 116.110 ng
RT: 10.945 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

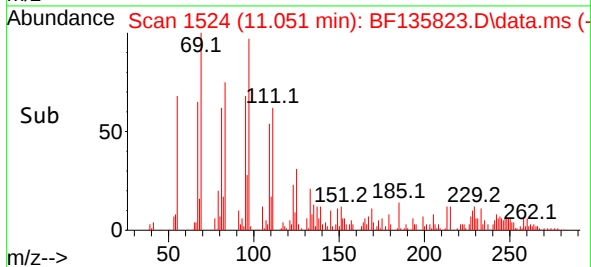
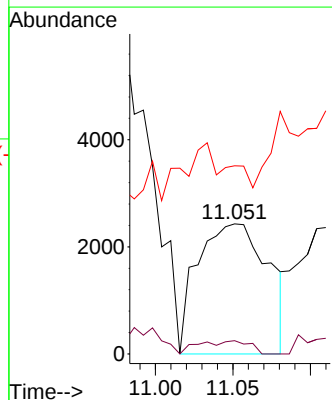
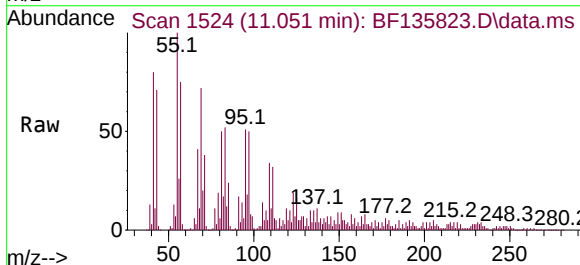
Instrument :
BNA_F
ClientSampleId :
222

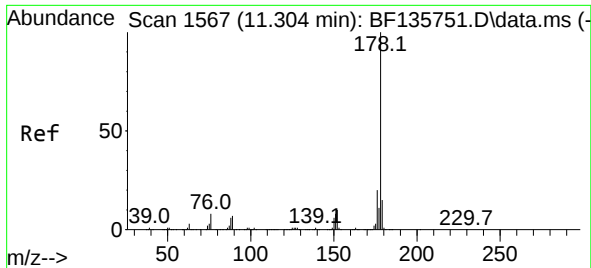
Tgt Ion:200 Resp: 2137
Ion Ratio Lower Upper
200 100
173 378.9 7.6 47.6#
215 358.2 27.1 67.1#



#70
Pentachlorophenol
Concen: 857.352 ng
RT: 11.051 min Scan# 1524
Delta R.T. -0.041 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:266 Resp: 7672
Ion Ratio Lower Upper
266 100
268 10.2 47.7 71.5#
264 144.7 51.4 77.2#

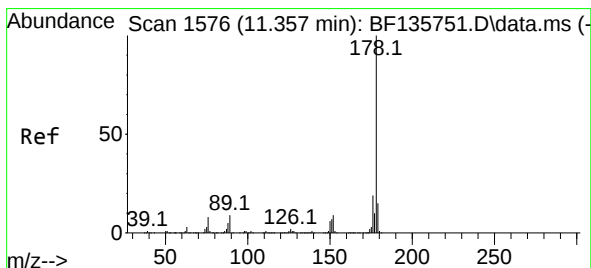
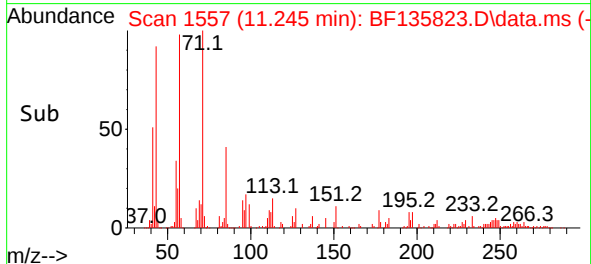
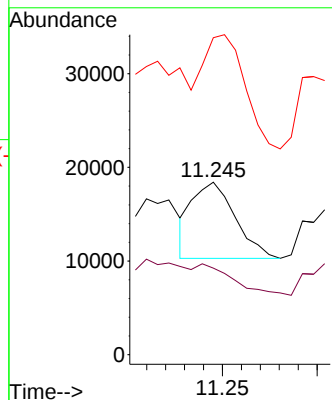
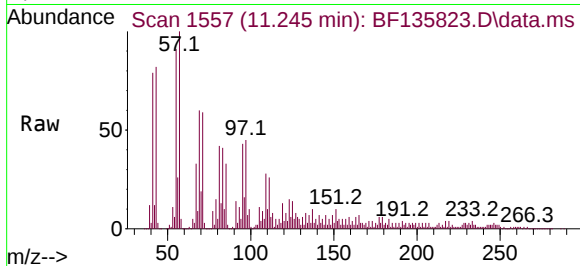




#71
Phenanthrene
Concen: 121.281 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.059 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

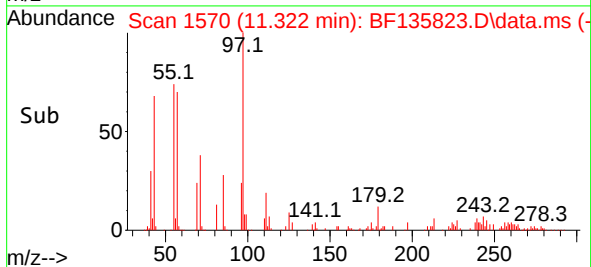
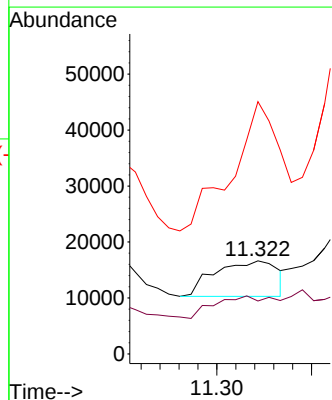
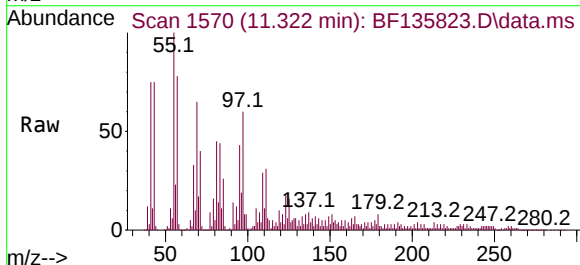
Instrument :
BNA_F
ClientSampleId :
222

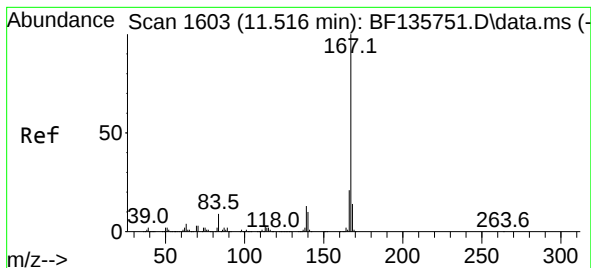
Tgt Ion:178 Resp: 12898
Ion Ratio Lower Upper
178 100
176 50.2 16.0 24.0#
179 183.8 12.2 18.4#



#72
Anthracene
Concen: 132.275 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.035 min
Lab File: BF135823.D
Acq: 17 Oct 2023 21:01

Tgt Ion:178 Resp: 14577
Ion Ratio Lower Upper
178 100
176 56.9 15.1 22.7#
179 270.9 12.3 18.5#





#73

Carbazole

Concen: 115.083 ng

RT: 11.533 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

Instrument :

BNA_F

ClientSampleId :

222

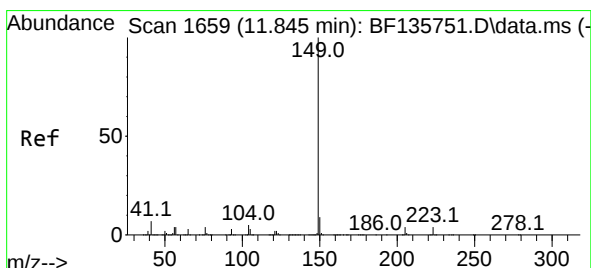
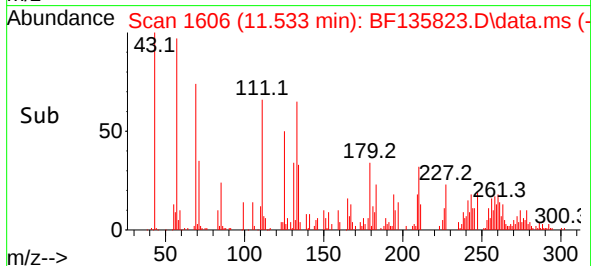
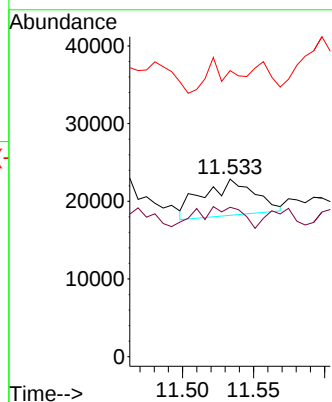
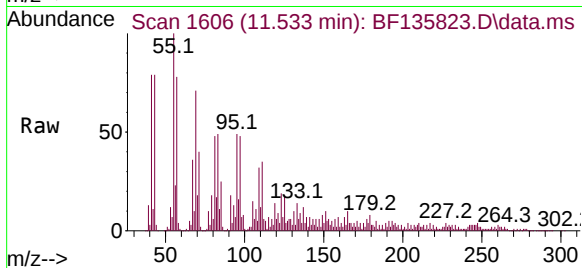
Tgt Ion:167 Resp: 11828

Ion Ratio Lower Upper

167 100

166 84.1 17.1 25.7#

139 161.0 10.2 15.4#



#74

Di-n-butylphthalate

Concen: 117.103 ng

RT: 11.851 min Scan# 1660

Delta R.T. 0.006 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

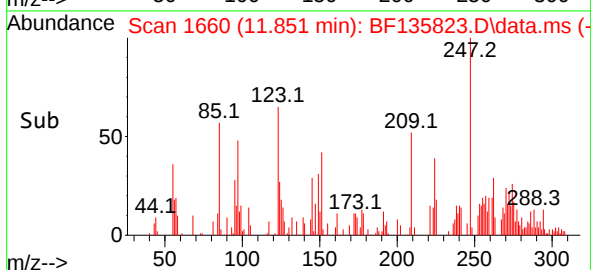
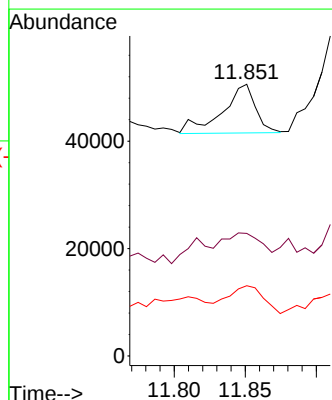
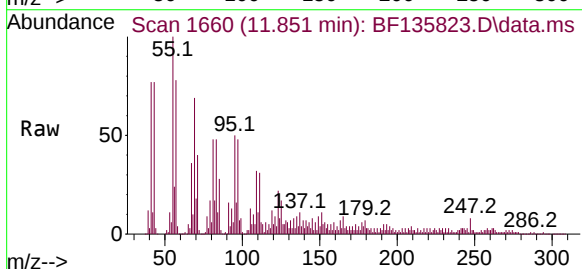
Tgt Ion:149 Resp: 14777

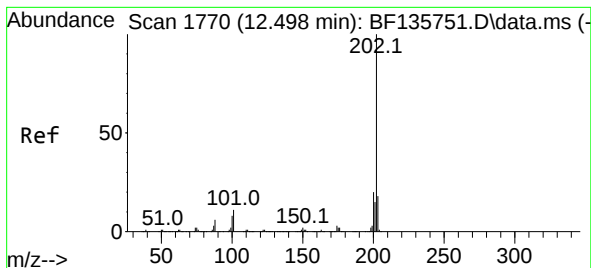
Ion Ratio Lower Upper

149 100

150 45.1 7.4 11.2#

104 25.9 3.7 5.5#





#75

Fluoranthene

Concen: 23.883 ng

RT: 12.475 min Scan# 1

Delta R.T. -0.029 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

Instrument :

BNA_F

ClientSampleId :

222

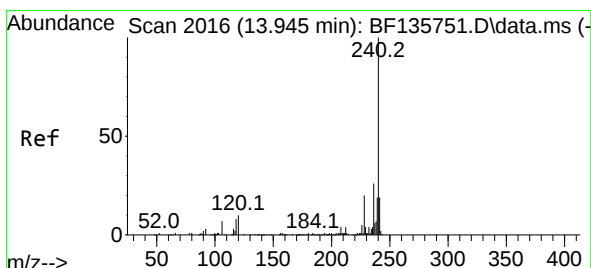
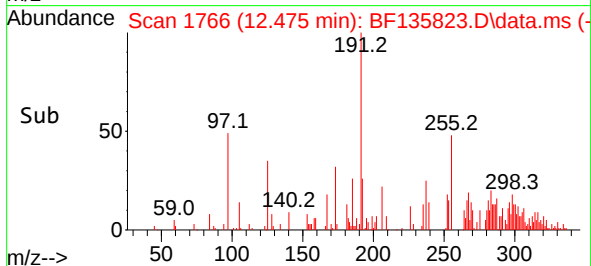
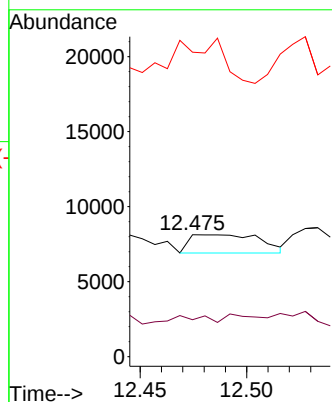
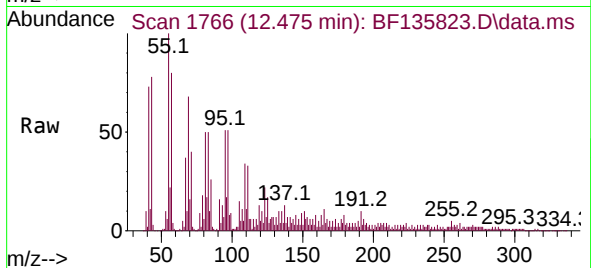
Tgt Ion:202 Resp: 2819

Ion Ratio Lower Upper

202 100

101 30.4 0.0 31.5

203 249.7 0.0 38.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.047 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

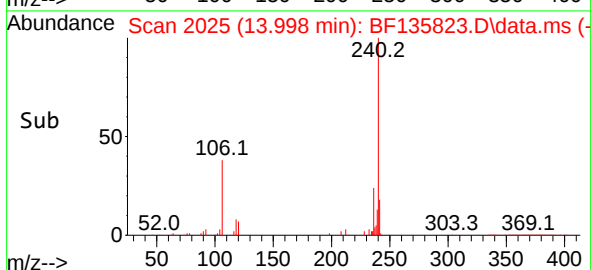
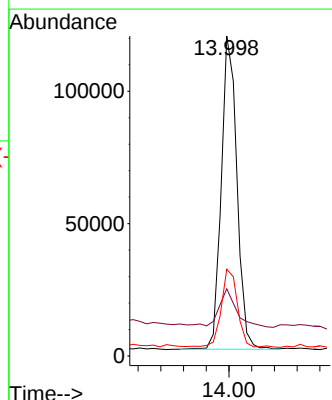
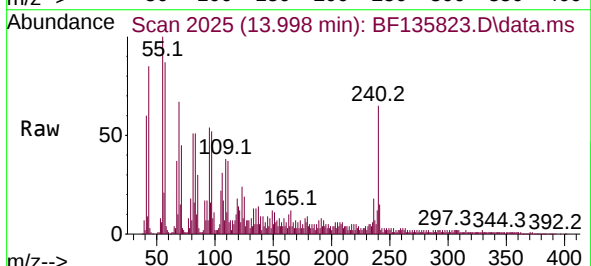
Tgt Ion:240 Resp: 113513

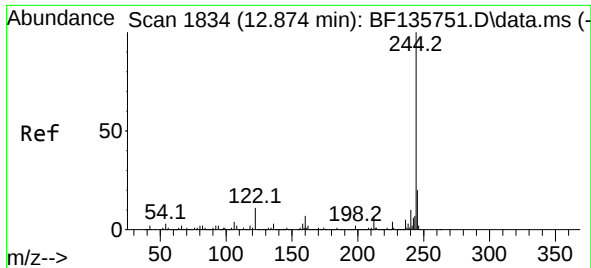
Ion Ratio Lower Upper

240 100

120 21.0 8.2 12.2#

236 27.1 21.2 31.8

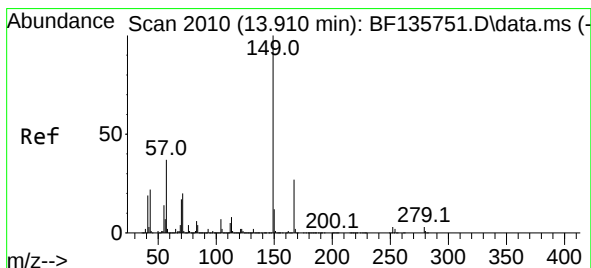
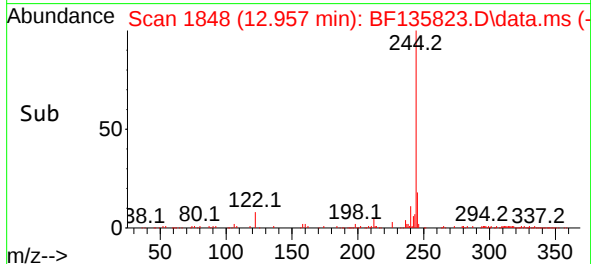
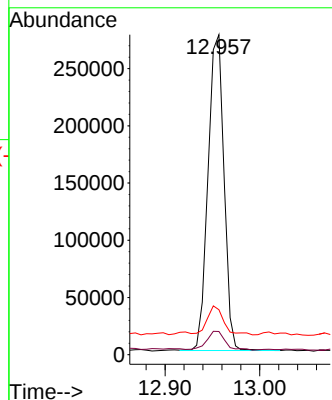
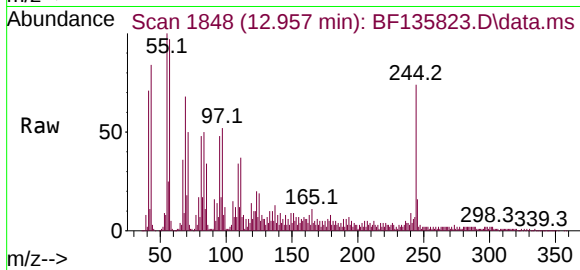




#79
 Terphenyl-d14
 Concen: 52.651 ng
 RT: 12.957 min Scan# 11
 Delta R.T. 0.076 min
 Lab File: BF135823.D
 Acq: 17 Oct 2023 21:01

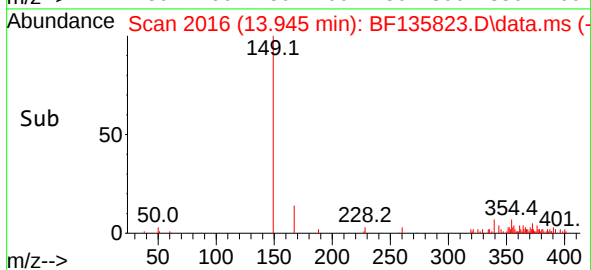
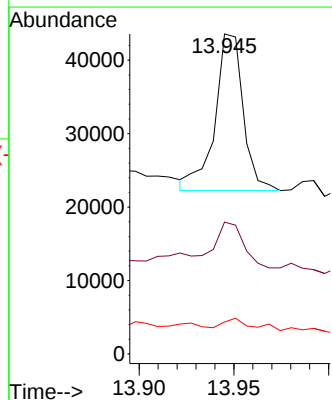
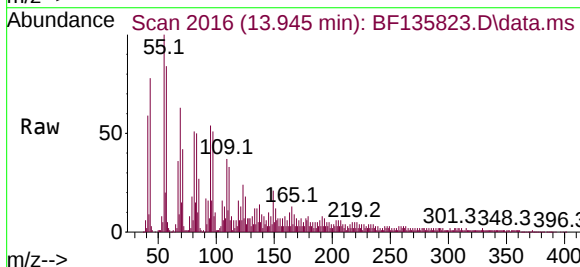
Instrument :
 BNA_F
 ClientSampleId :
 222

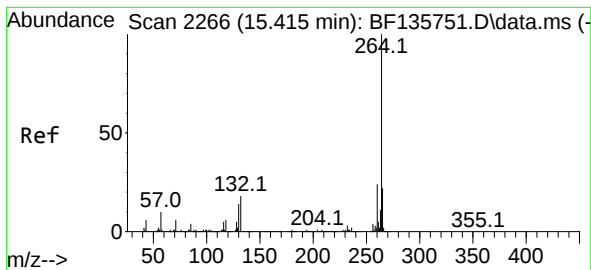
Tgt Ion:244 Resp: 322724
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 14.0 9.0 13.6#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.130 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.029 min
 Lab File: BF135823.D
 Acq: 17 Oct 2023 21:01

Tgt Ion:149 Resp: 22190
 Ion Ratio Lower Upper
 149 100
 167 41.2 21.3 31.9#
 279 10.0 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

Instrument :

BNA_F

ClientSampleId :

222

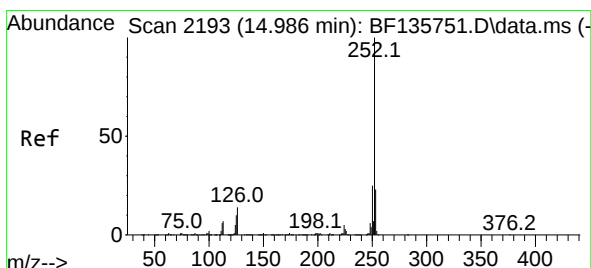
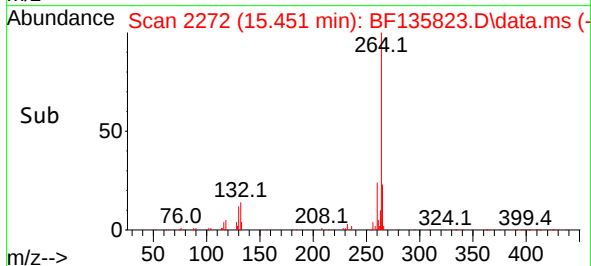
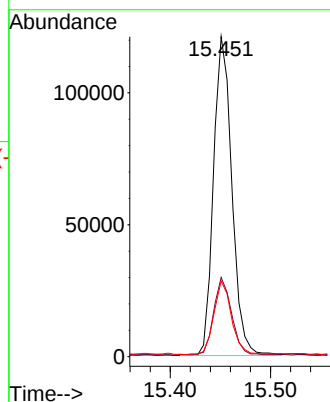
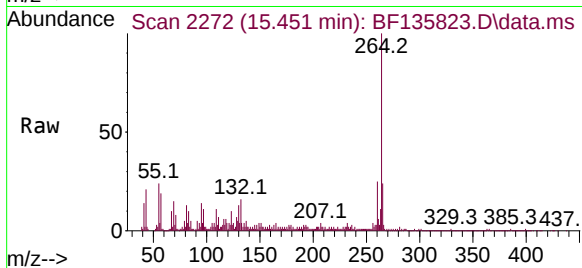
Tgt Ion:264 Resp: 153978

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 23.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.586 ng

RT: 15.027 min Scan# 2200

Delta R.T. 0.035 min

Lab File: BF135823.D

Acq: 17 Oct 2023 21:01

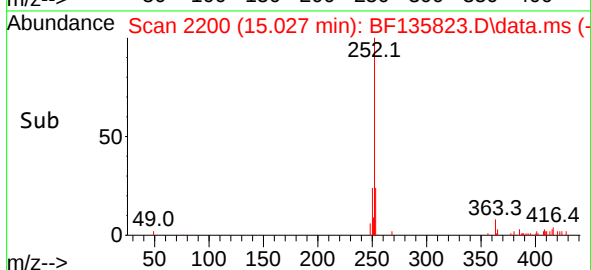
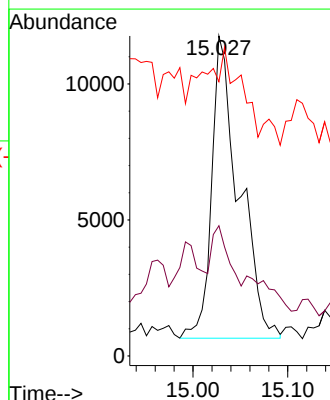
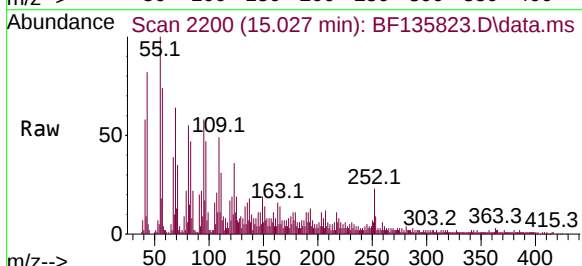
Tgt Ion:252 Resp: 22282

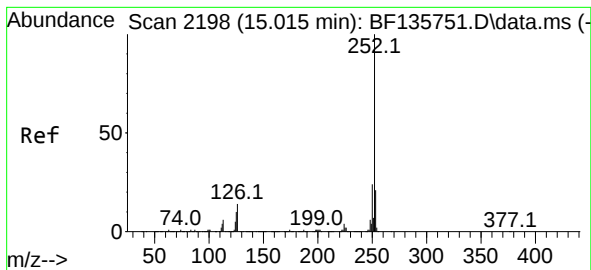
Ion Ratio Lower Upper

252 100

253 40.7 18.2 27.2#

125 85.7 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 2.663 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135823.D

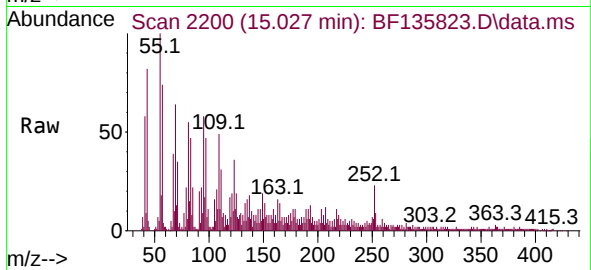
Acq: 17 Oct 2023 21:01

Instrument :

BNA_F

ClientSampleId :

222



Tgt Ion:252 Resp: 22282

Ion Ratio Lower Upper

252 100

253 40.7 17.4 26.0#

125 85.7 8.3 12.5#

