

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135020.D
 Acq On : 30 Aug 2023 23:44
 Operator : CG\JU
 Sample : 04196-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-345-COMP-01

Quant Time: Aug 31 05:58:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

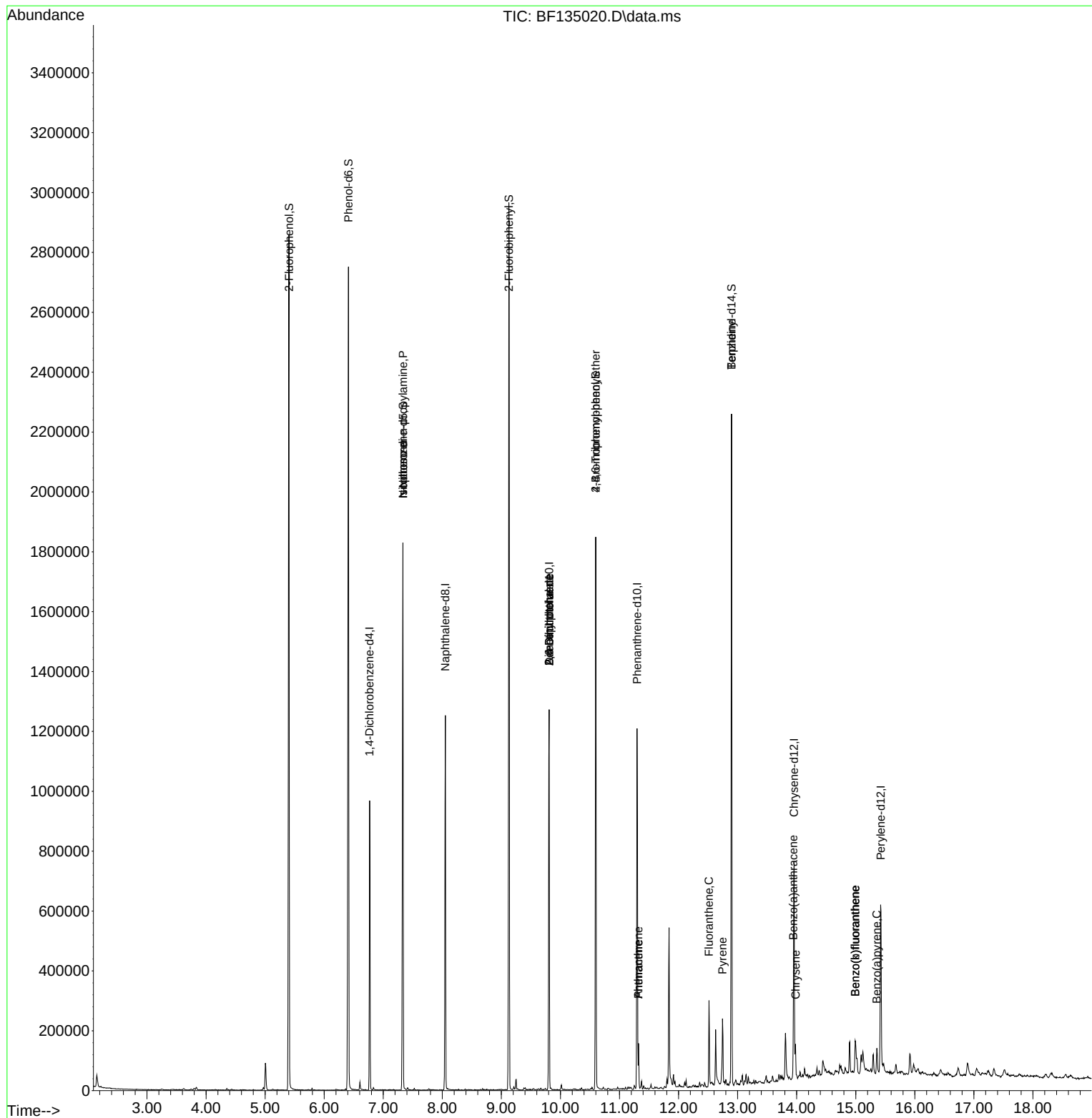
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	131819	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	530008	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	257674	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	420224	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	227974	20.000	ng	0.00
86) Perylene-d12	15.421	264	261800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	763495	89.464	ng	0.00
7) Phenol-d6	6.410	99	939274	88.301	ng	0.00
23) Nitrobenzene-d5	7.334	82	565160	59.907	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	205428	75.155	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	952614	60.191	ng	-0.01
79) Terphenyl-d14	12.898	244	729914	52.249	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	75839	12.003	ng	# 78
25) Isophorone	7.334	82	563634	31.511	ng	# 65
50) Dimethylphthalate	9.810	163	53807	2.982	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	33680	8.507	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	33680	6.826	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	13072	2.933	ng	# 1
71) Phenanthrene	11.322	178	50541	2.331	ng	97
72) Anthracene	11.322	178	50541	2.282	ng	97
75) Fluoranthene	12.516	202	104674	4.775	ng	100
77) Benzidine	12.898	184	9103	2.215	ng	# 96
78) Pyrene	12.745	202	86117	3.979	ng	99
81) Benzo(a)anthracene	13.945	228	37455	2.409	ng	97
83) Chrysene	13.980	228	45218	2.959	ng	98
88) Benzo(b)fluoranthene	14.992	252	76930	4.723	ng	# 94
89) Benzo(k)fluoranthene	14.992	252	76930	4.888	ng	# 94
90) Benzo(a)pyrene	15.357	252	37953	2.508	ng	99

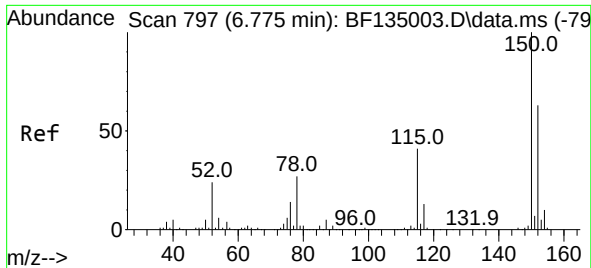
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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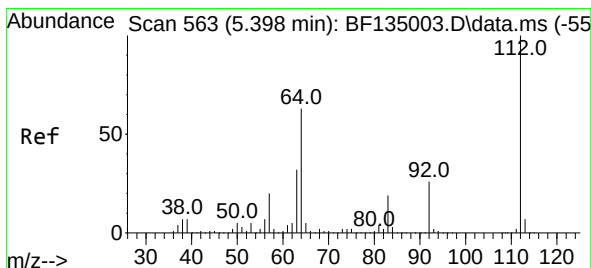
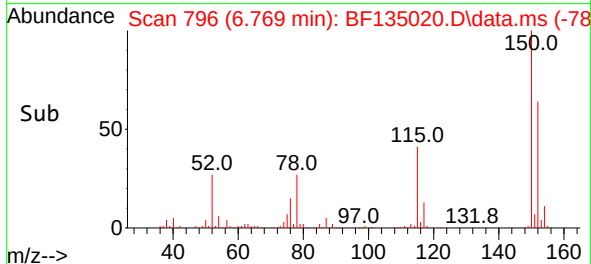
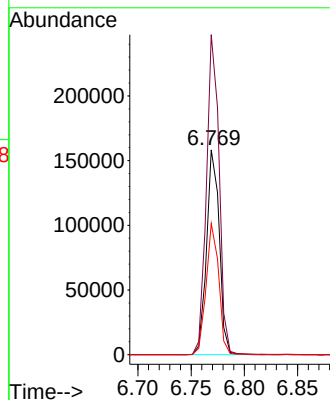
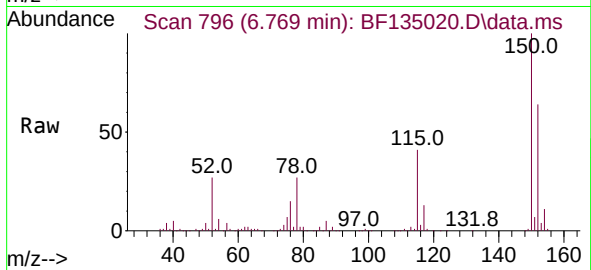




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.769 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF135020.D
 Acq: 30 Aug 2023 23:44

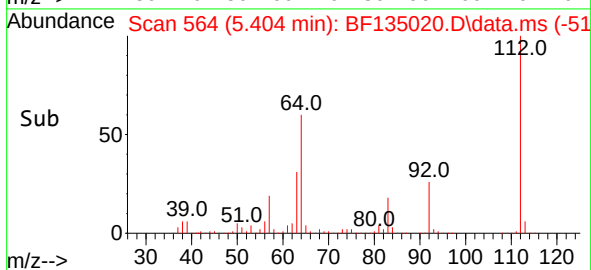
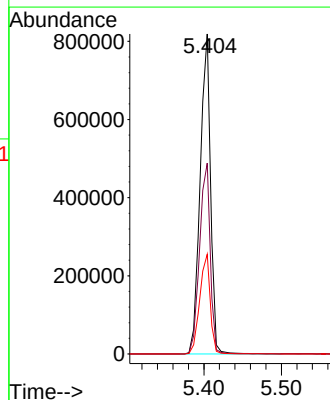
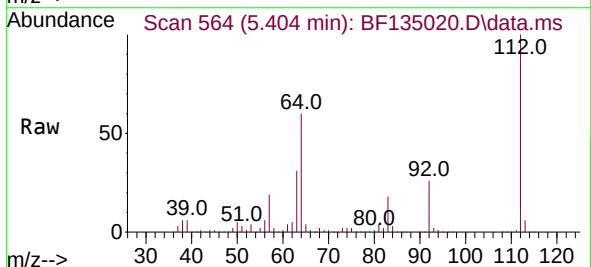
Instrument :
 BNA_F
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 OR-345-COMP-01

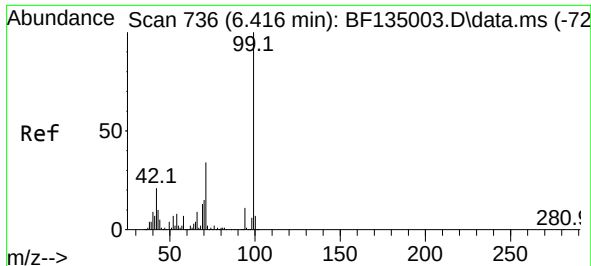
Tgt Ion:152 Resp: 131819
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.2 189.4
 115 64.1 51.2 76.8



#5
 2-Fluorophenol
 Concen: 89.464 ng
 RT: 5.404 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: BF135020.D
 Acq: 30 Aug 2023 23:44

Tgt Ion:112 Resp: 763495
 Ion Ratio Lower Upper
 112 100
 64 59.7 50.5 75.7
 63 31.2 25.9 38.9

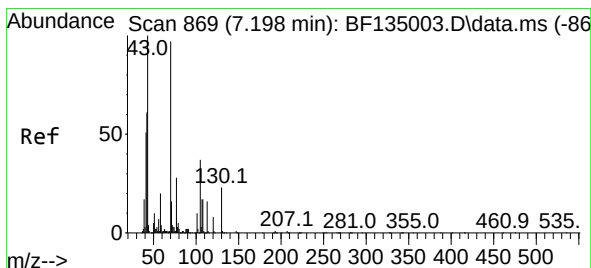
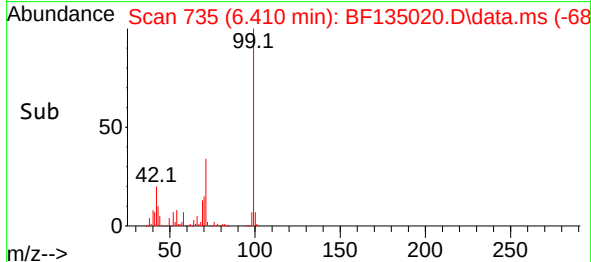
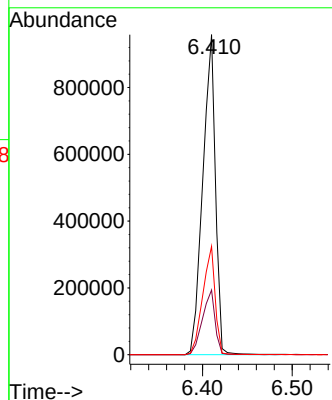
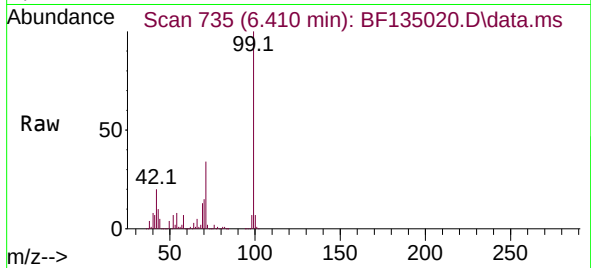




#7
Phenol-d6
Concen: 88.301 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

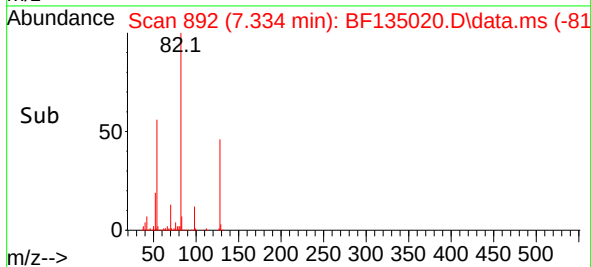
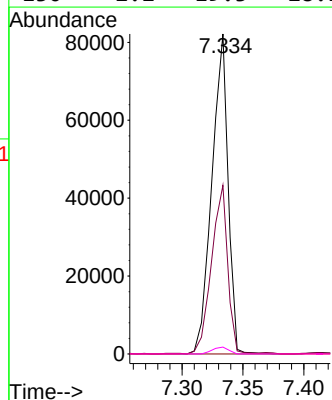
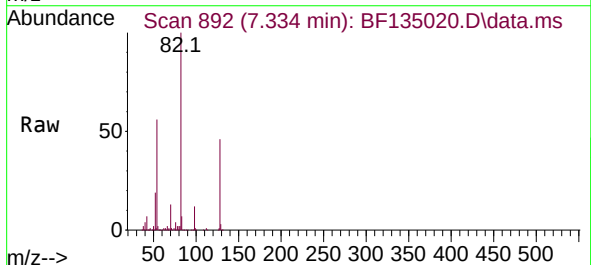
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

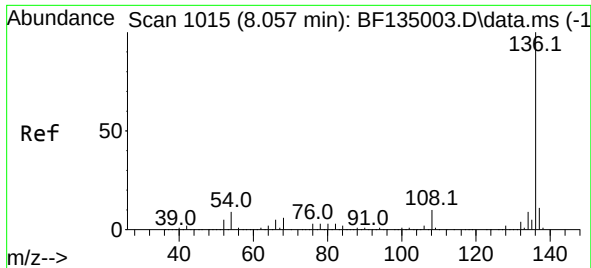
Tgt Ion: 99 Resp: 939274
Ion Ratio Lower Upper
99 100
42 20.2 16.6 25.0
71 33.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.003 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion: 70 Resp: 75839
Ion Ratio Lower Upper
70 100
42 52.7 50.2 75.4
101 0.0 8.1 12.1#
130 2.2 19.3 28.9#

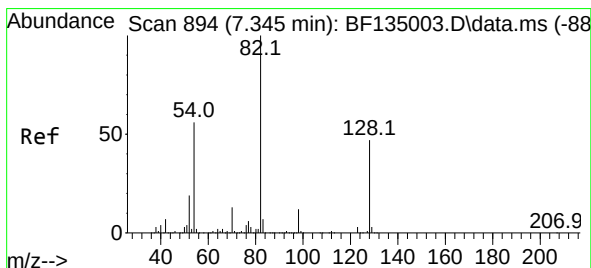
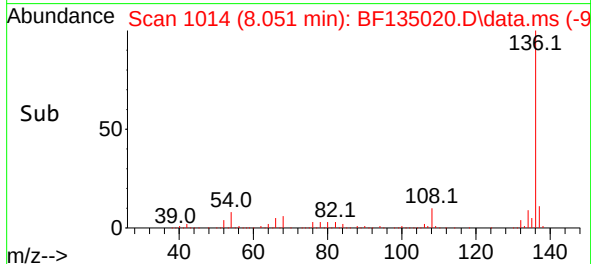
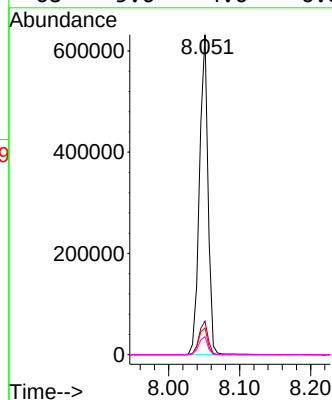
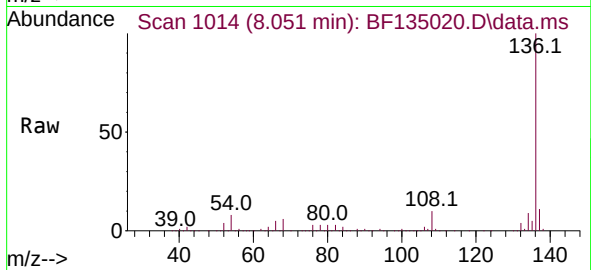




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

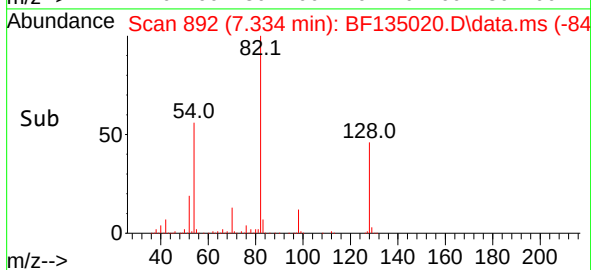
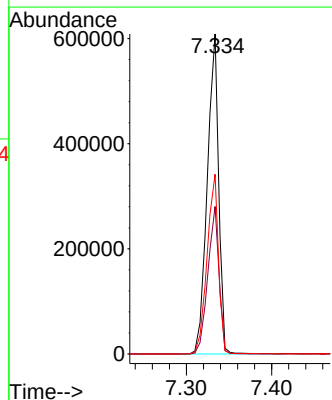
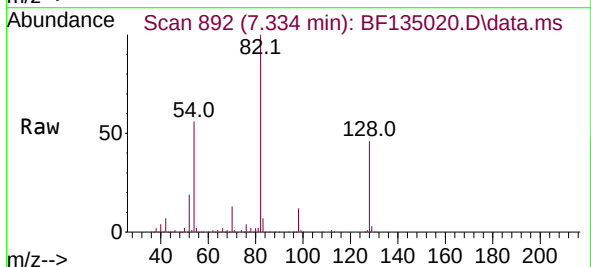
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

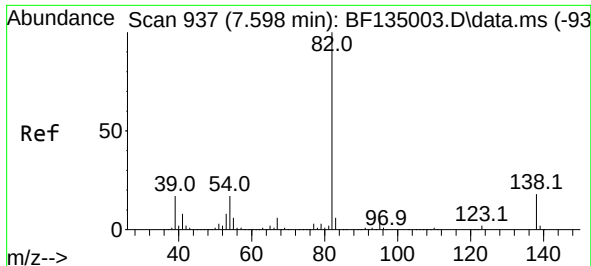
Tgt Ion:136 Resp: 530008
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.4 7.0 10.4
68 5.6 4.6 6.8



#23
Nitrobenzene-d5
Concen: 59.907 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion: 82 Resp: 565160
Ion Ratio Lower Upper
82 100
128 46.1 37.8 56.8
54 56.2 45.0 67.6

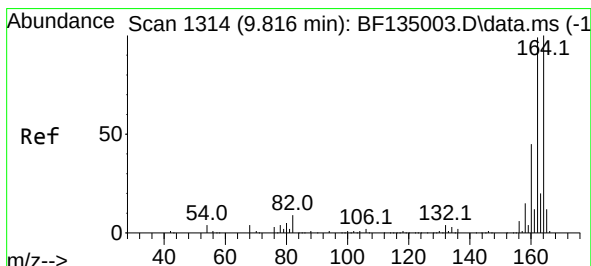
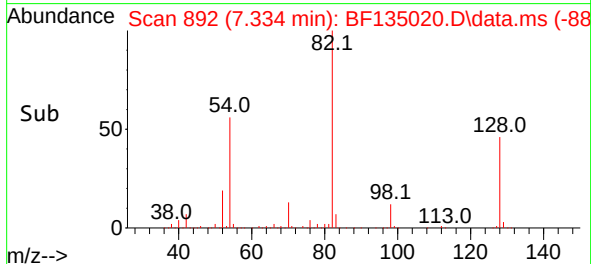
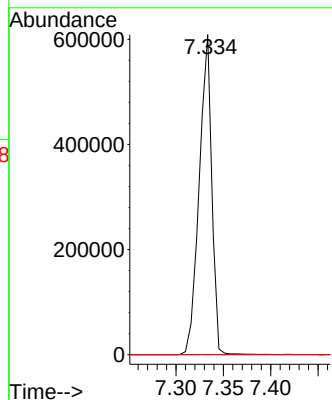
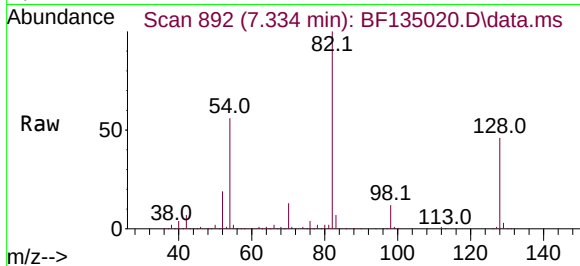




#25
Isophorone
Concen: 31.511 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

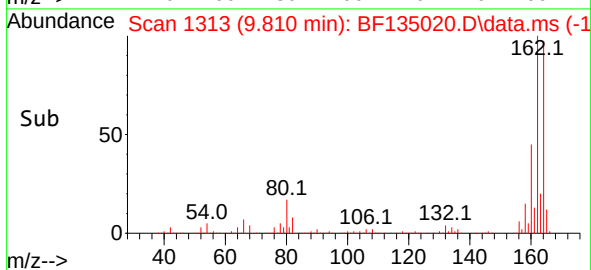
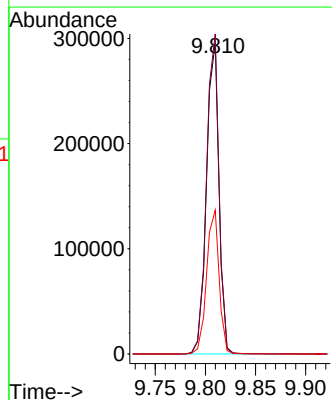
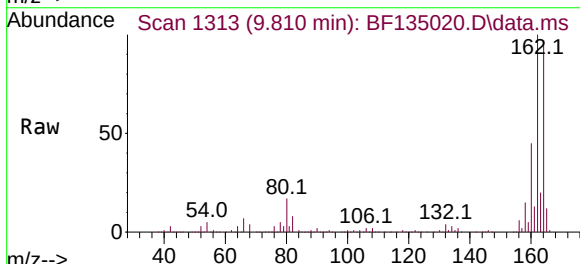
Instrument :
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ClientSampleId :
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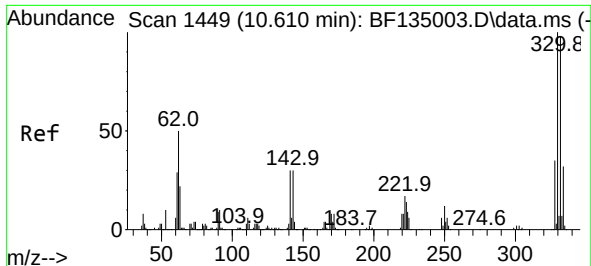
Tgt Ion: 82 Resp: 563634
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:164 Resp: 257674
Ion Ratio Lower Upper
164 100
162 102.8 79.5 119.3
160 46.2 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 75.155 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135020.D

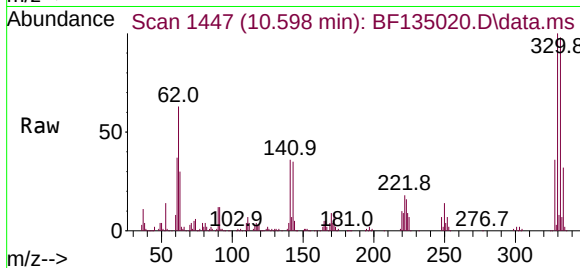
Acq: 30 Aug 2023 23:44

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-01



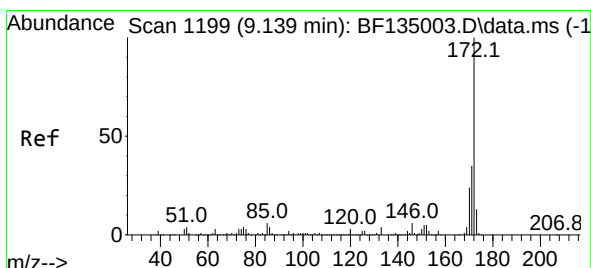
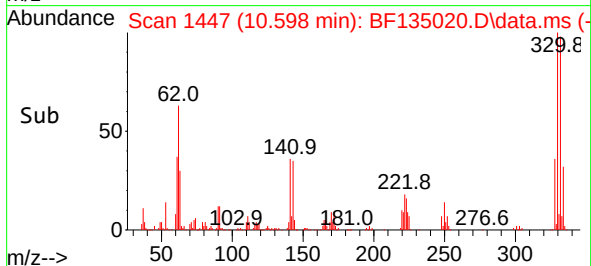
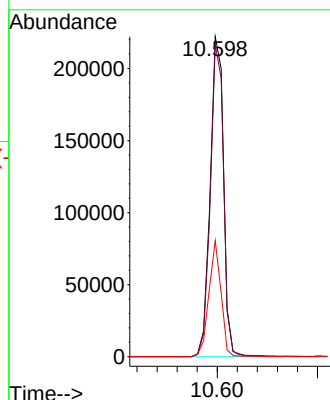
Tgt Ion:330 Resp: 205428

Ion Ratio Lower Upper

330 100

332 96.7 77.6 116.4

141 32.9 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 60.191 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

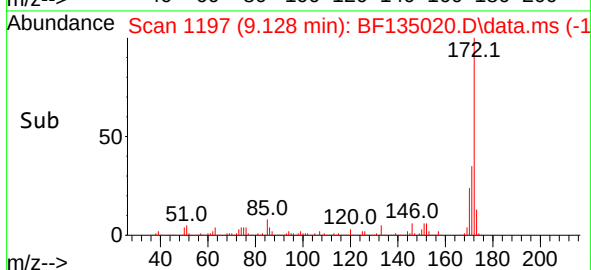
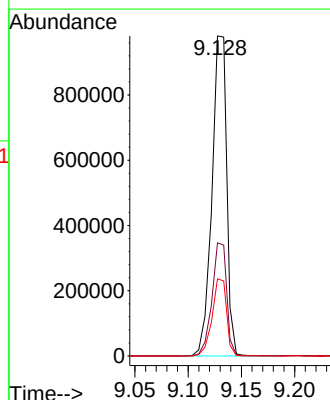
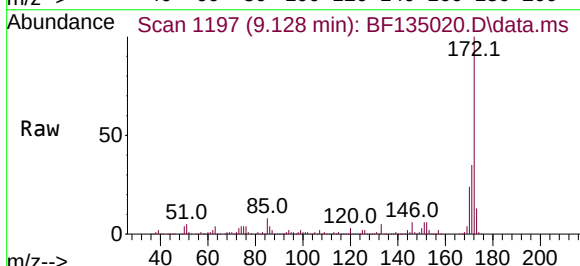
Tgt Ion:172 Resp: 952614

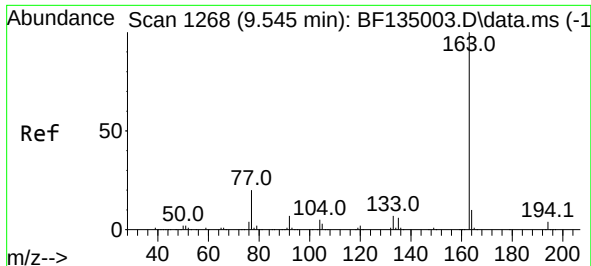
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 24.1 19.0 28.4

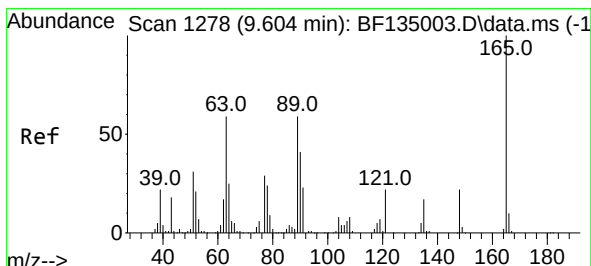
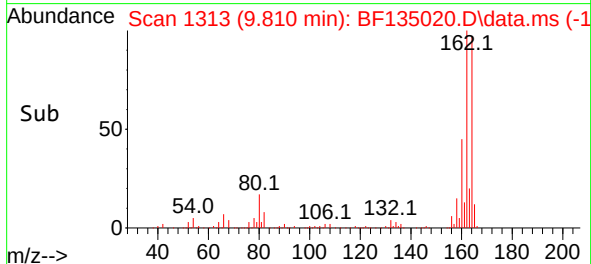
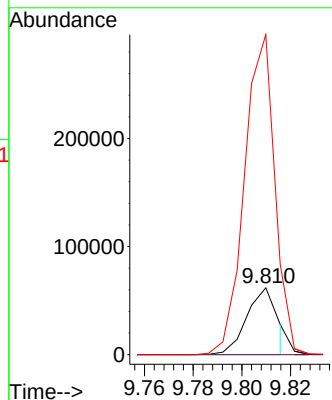
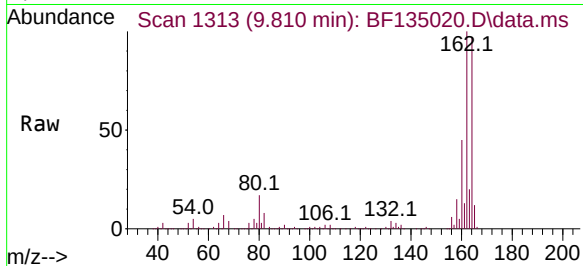




#50
Dimethylphthalate
Concen: 2.982 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

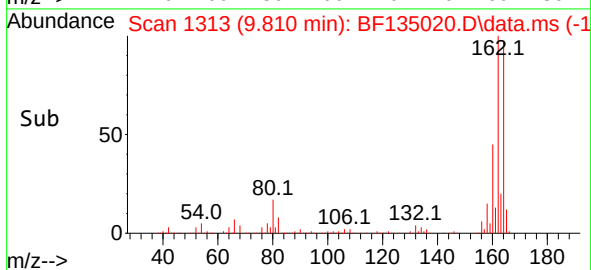
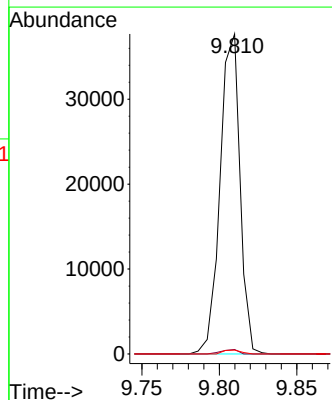
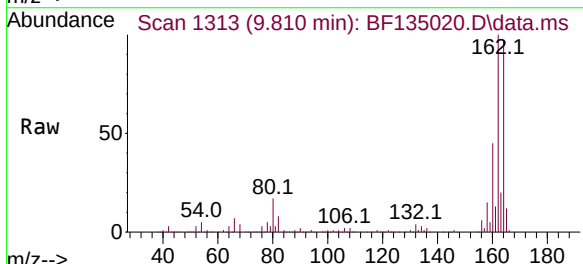
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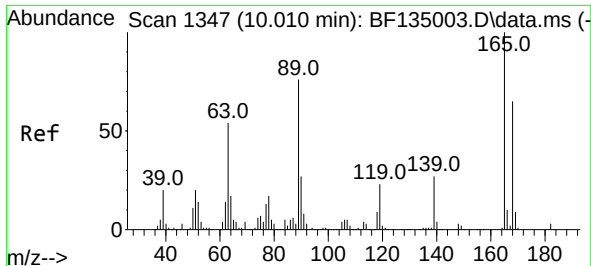
Tgt Ion:163 Resp: 53807
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 478.9 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.507 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

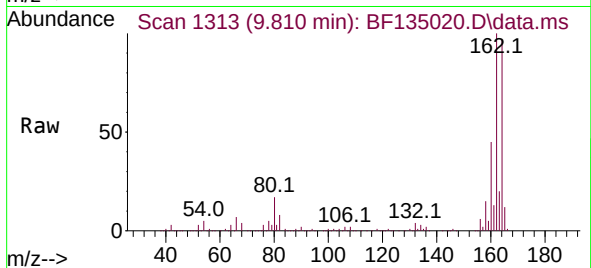
Tgt Ion:165 Resp: 33680
Ion Ratio Lower Upper
165 100
63 1.4 50.4 75.6#
89 1.2 47.1 70.7#



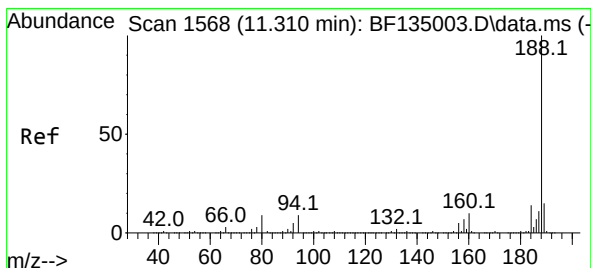
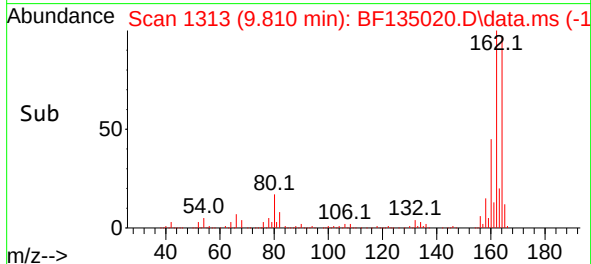
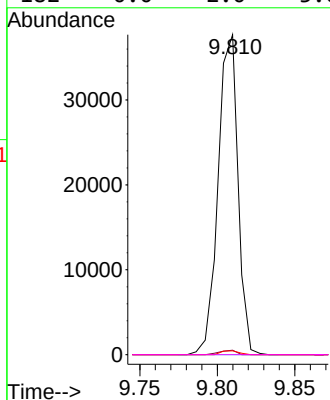


#57
2,4-Dinitrotoluene
Concen: 6.826 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

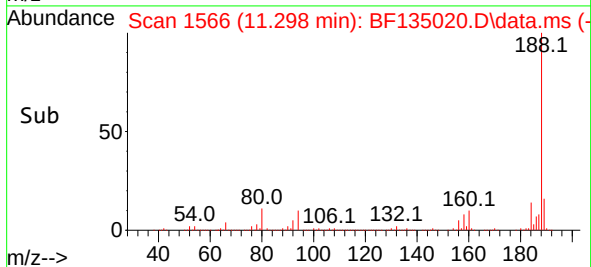
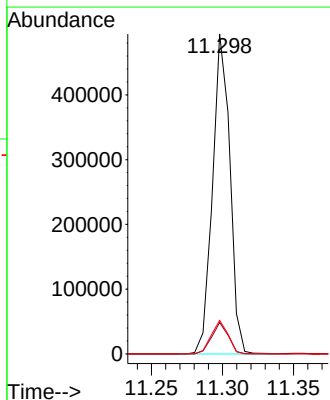
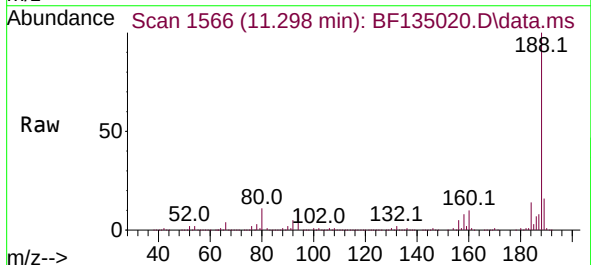


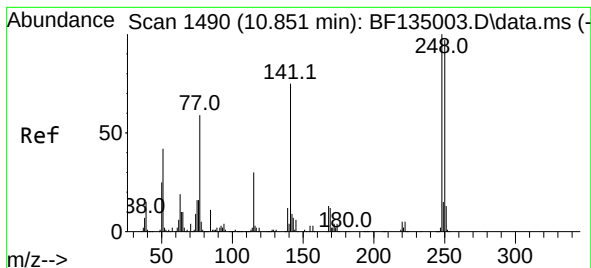
Tgt Ion:165 Resp: 33680
Ion Ratio Lower Upper
165 100
63 1.4 43.2 64.8#
89 1.2 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:188 Resp: 420224
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.5 7.4 11.2

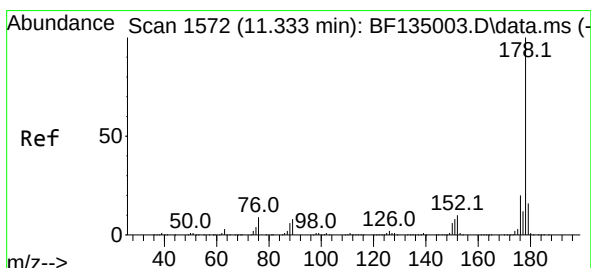
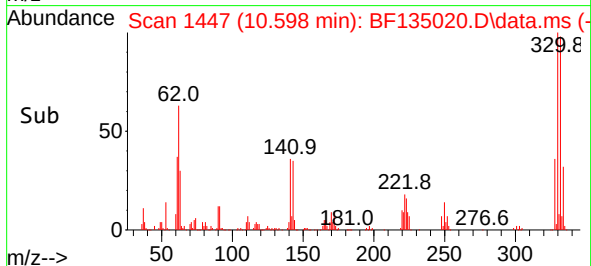
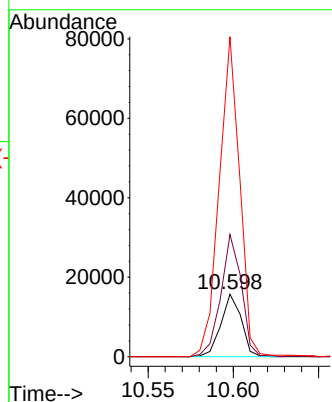
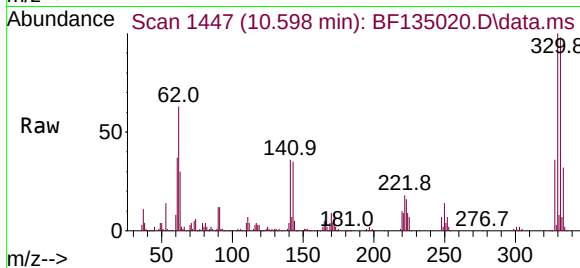




#67
4-Bromophenyl-phenylether
Concen: 2.933 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

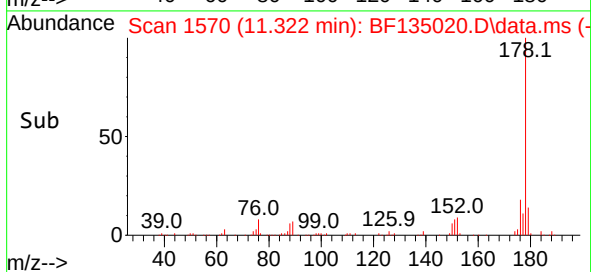
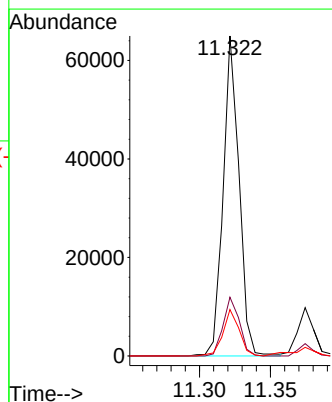
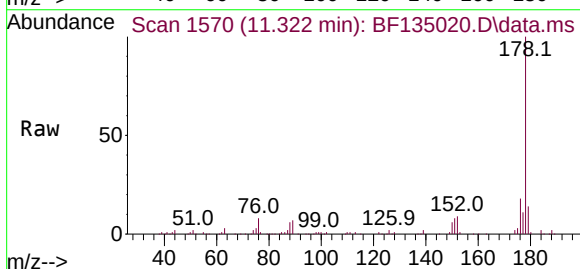
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

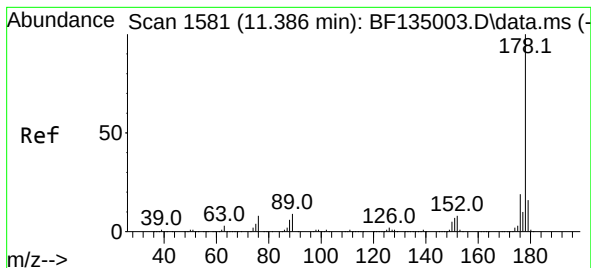
Tgt Ion:248 Resp: 13072
Ion Ratio Lower Upper
248 100
250 195.5 77.9 116.9#
141 512.6 59.8 89.8#



#71
Phenanthrene
Concen: 2.331 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:178 Resp: 50541
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.5 12.5 18.7





#72

Anthracene

Concen: 2.282 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-01

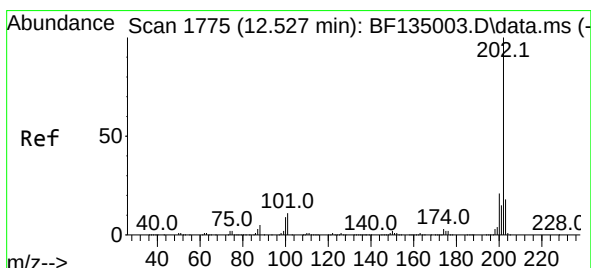
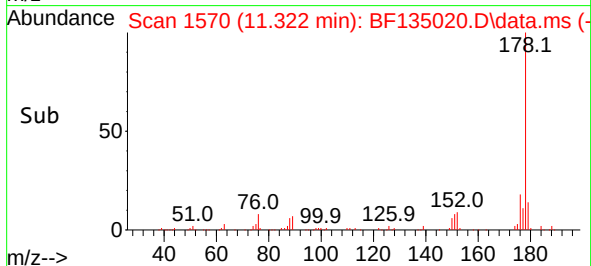
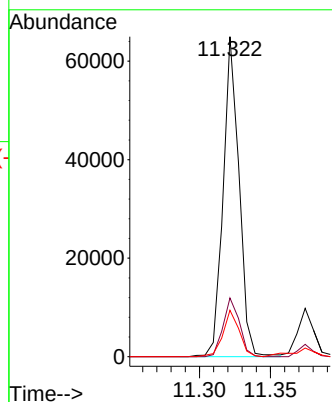
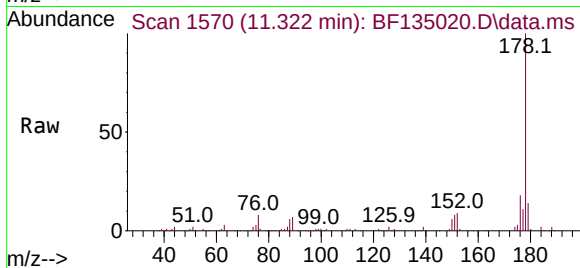
Tgt Ion:178 Resp: 50541

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

179 14.5 12.8 19.2



#75

Fluoranthene

Concen: 4.775 ng

RT: 12.516 min Scan# 1773

Delta R.T. -0.012 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

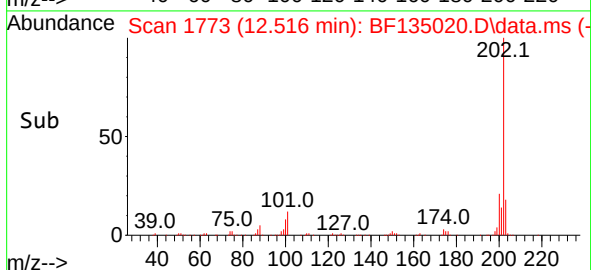
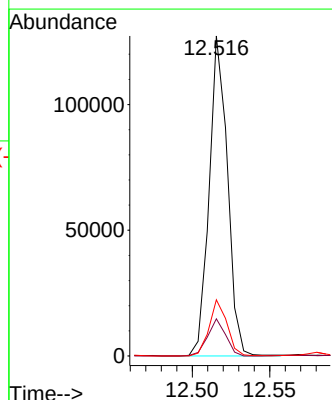
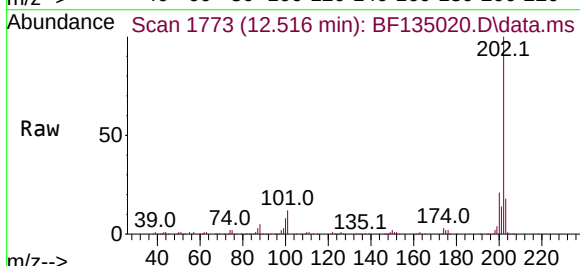
Tgt Ion:202 Resp: 104674

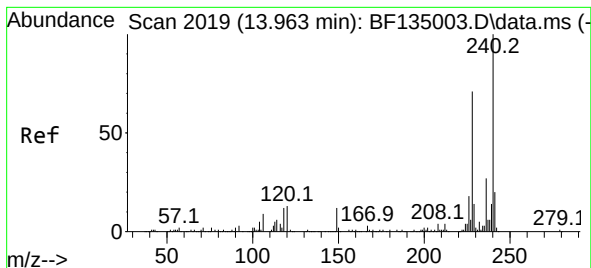
Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.5

203 17.5 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-01

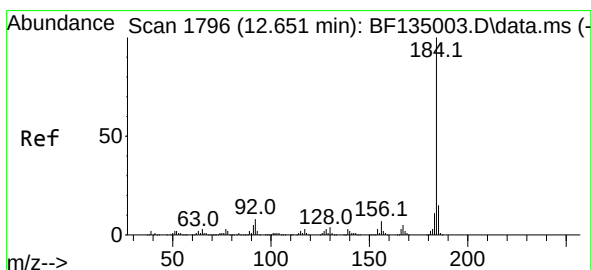
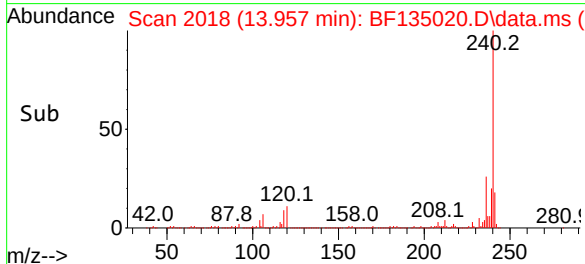
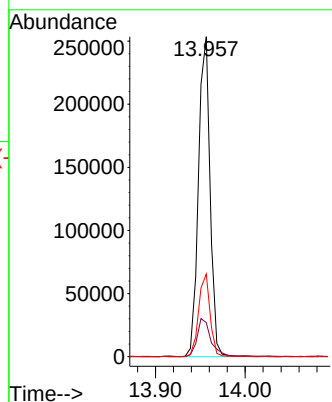
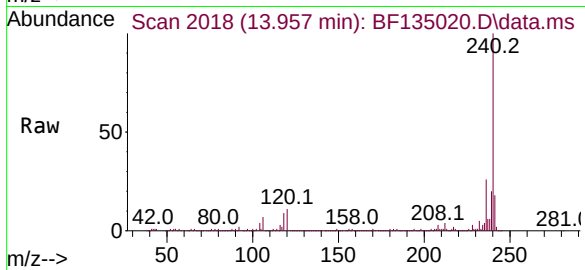
Tgt Ion:240 Resp: 227974

Ion Ratio Lower Upper

240 100

120 10.6 10.2 15.2

236 25.9 21.3 31.9



#77

Benzidine

Concen: 2.215 ng

RT: 12.898 min Scan# 1838

Delta R.T. 0.247 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

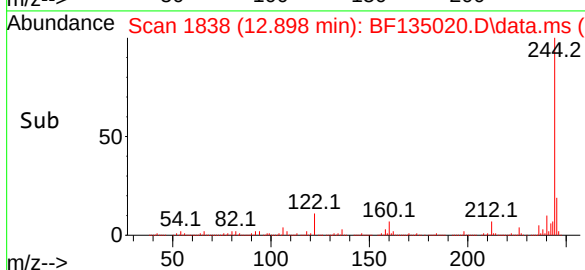
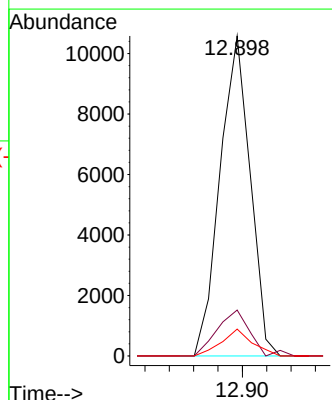
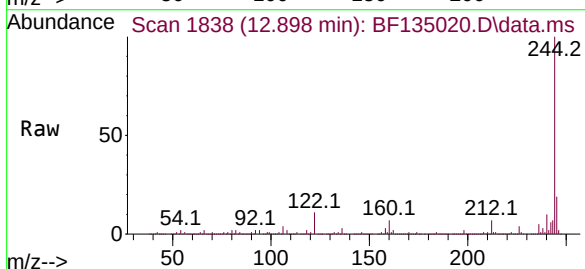
Tgt Ion:184 Resp: 9103

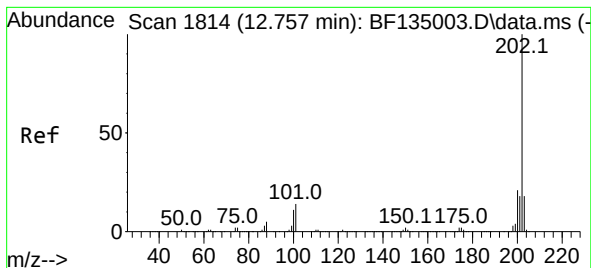
Ion Ratio Lower Upper

184 100

185 14.3 12.0 18.0

183 8.4 9.0 13.6#





#78

Pyrene

Concen: 3.979 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-01

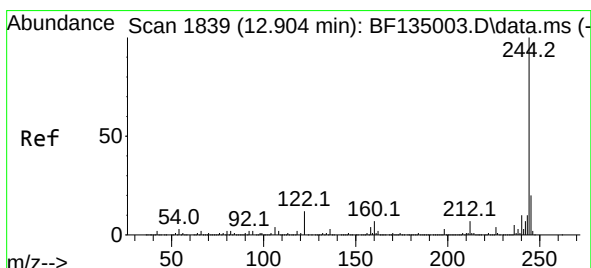
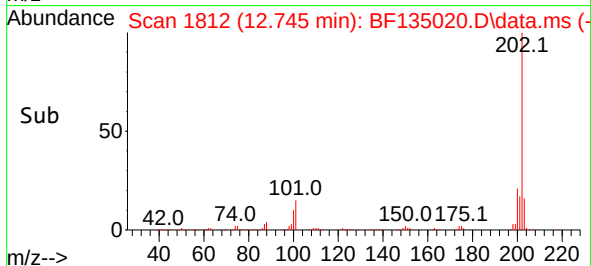
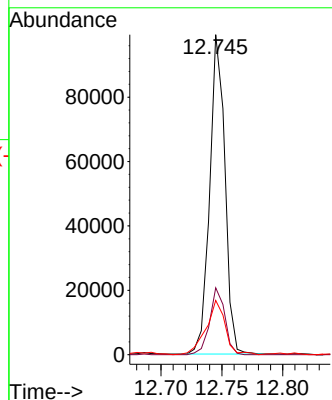
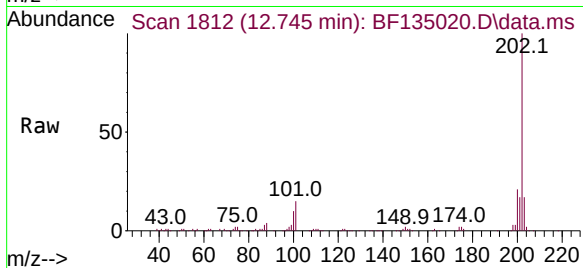
Tgt Ion:202 Resp: 86117

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

203 16.9 14.2 21.2



#79

Terphenyl-d14

Concen: 52.249 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

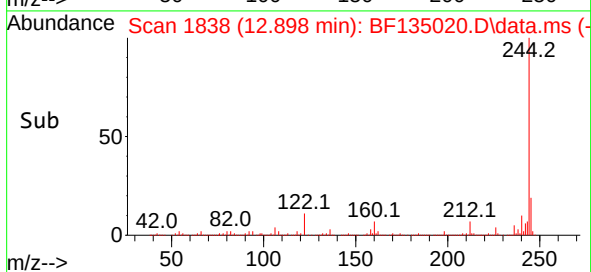
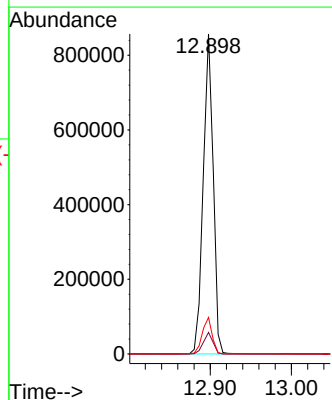
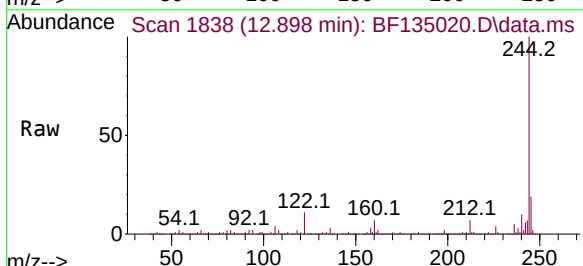
Tgt Ion:244 Resp: 729914

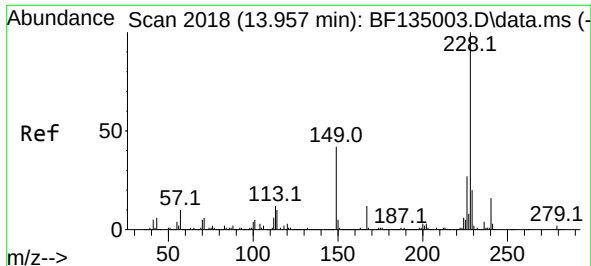
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.4 9.8 14.6

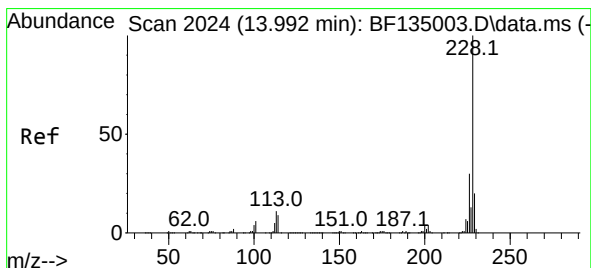
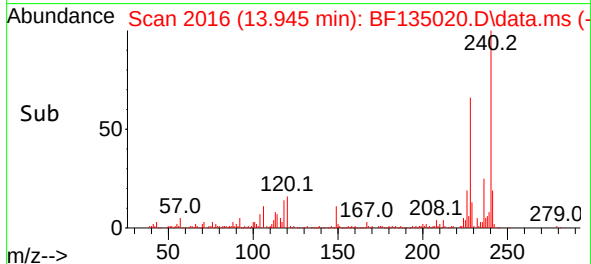
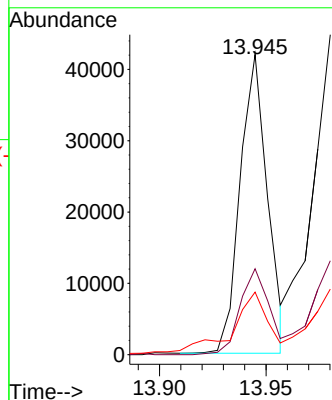
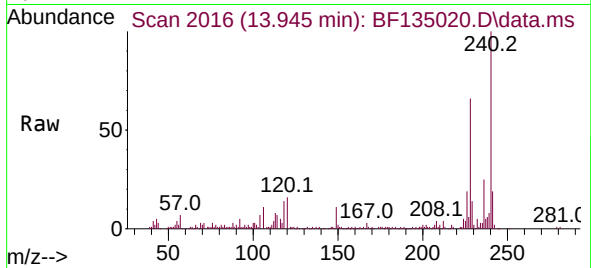




#81
Benzo(a)anthracene
Concen: 2.409 ng
RT: 13.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

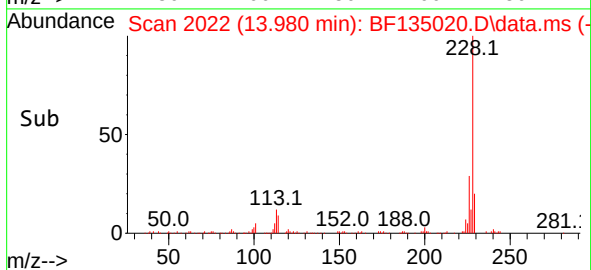
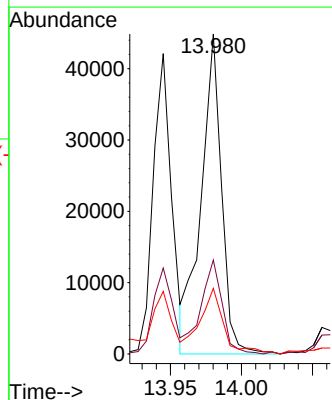
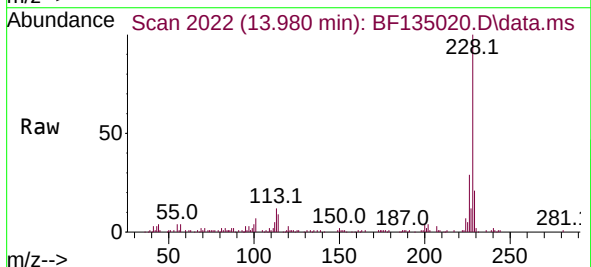
Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

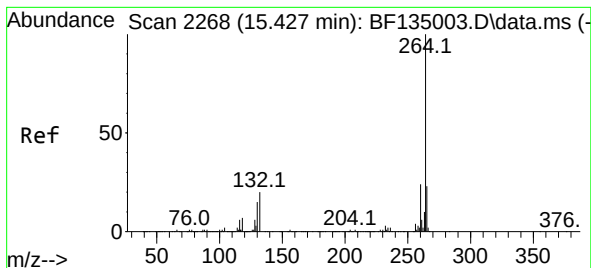
Tgt Ion:228 Resp: 37455
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 20.8 15.6 23.4



#83
Chrysene
Concen: 2.959 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:228 Resp: 45218
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 20.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2194

Delta R.T. -0.006 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

Instrument :

BNA_F

ClientSampleId :

OR-345-COMP-01

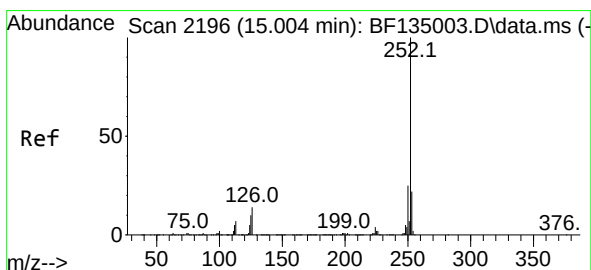
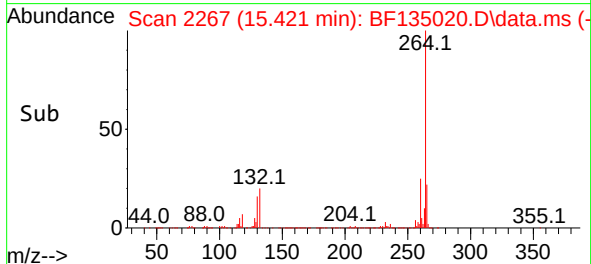
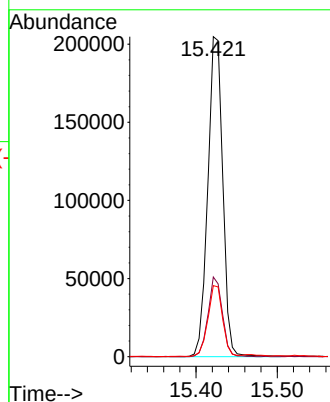
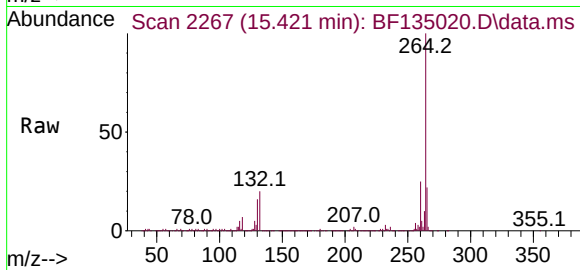
Tgt Ion:264 Resp: 261800

Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

265 22.2 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 4.723 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BF135020.D

Acq: 30 Aug 2023 23:44

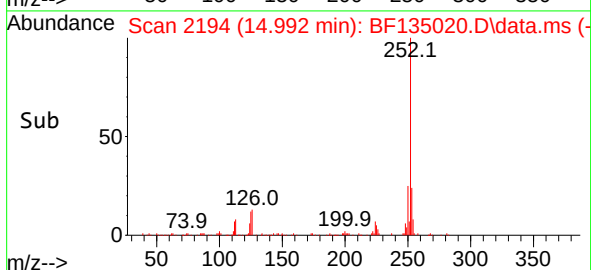
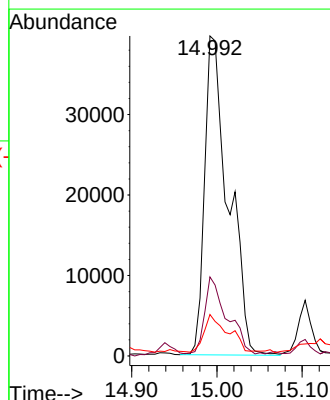
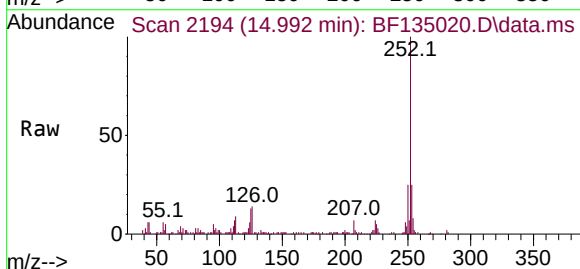
Tgt Ion:252 Resp: 76930

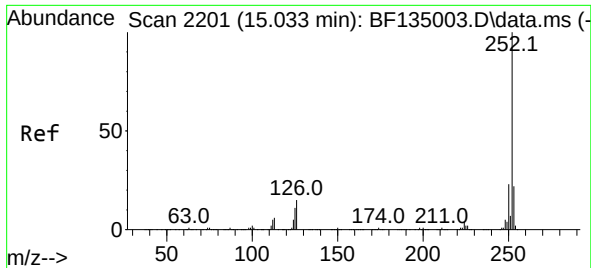
Ion Ratio Lower Upper

252 100

253 24.7 17.8 26.8

125 12.9 8.4 12.6#

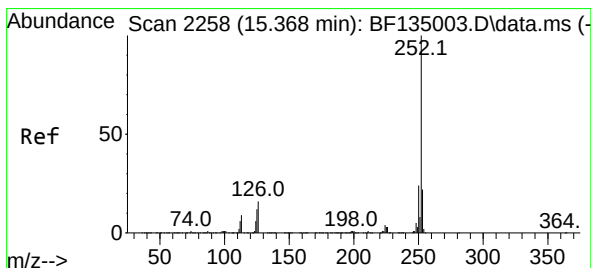
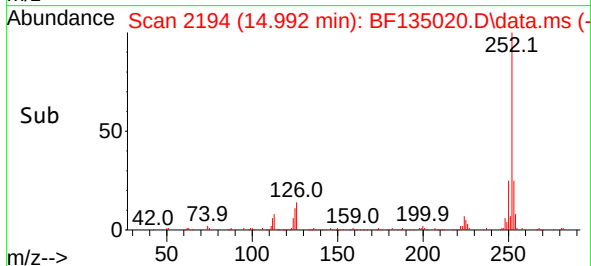
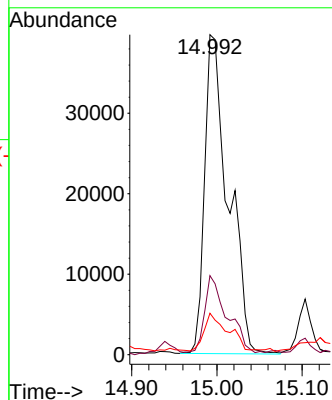
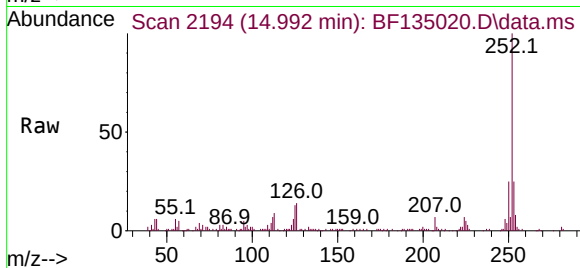




#89
Benzo(k)fluoranthene
Concen: 4.888 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Instrument :
BNA_F
ClientSampleId :
OR-345-COMP-01

Tgt Ion:252 Resp: 76930
Ion Ratio Lower Upper
252 100
253 24.7 17.4 26.0
125 12.9 8.5 12.7#



#90
Benzo(a)pyrene
Concen: 2.508 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF135020.D
Acq: 30 Aug 2023 23:44

Tgt Ion:252 Resp: 37953
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 13.0 9.5 14.3

