

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135760.D
 Acq On : 13 Oct 2023 19:10
 Operator : CG\JU
 Sample : 04830-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-2327

Quant Time: Oct 13 19:28:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

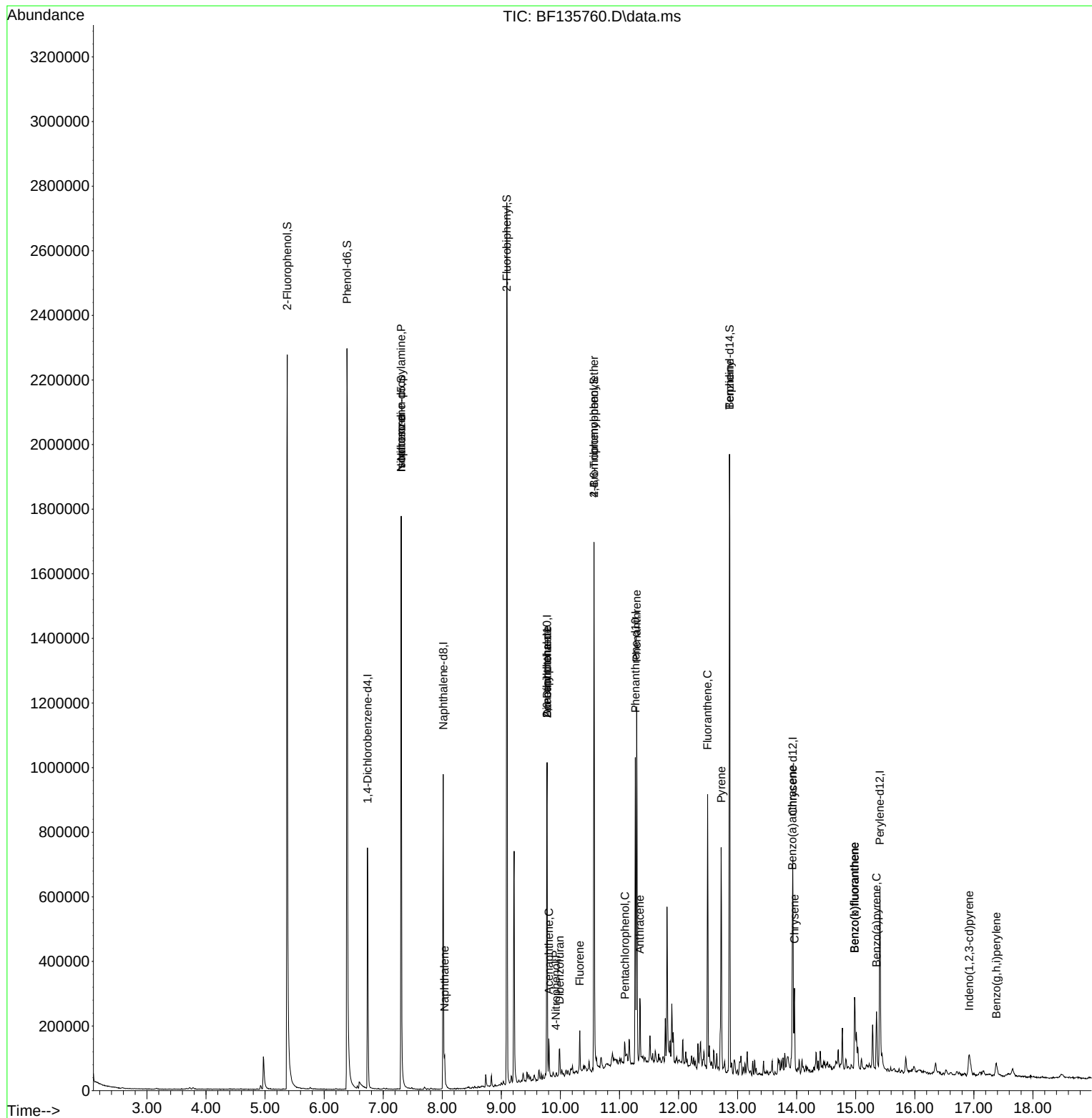
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	112123	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	400241	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	193977	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	324678	20.000	ng	0.00
76) Chrysene-d12	13.933	240	187590	20.000	ng	-0.01
86) Perylene-d12	15.410	264	245456	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	713394	102.295	ng	0.00
7) Phenol-d6	6.387	99	850781	97.774	ng	-0.01
23) Nitrobenzene-d5	7.304	82	498831	68.547	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	184766	99.264	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	841589	67.834	ng	-0.01
79) Terphenyl-d14	12.863	244	697770	68.885	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	67375	12.523	ng	# 76
25) Isophorone	7.304	82	498826	36.334	ng	# 66
31) Naphthalene	8.040	128	39590	2.028	ng	99
50) Dimethylphthalate	9.775	163	39891	3.046	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	25390	9.016	ng	# 16
52) Acenaphthene	9.804	154	23456	2.208	ng	96
55) Dibenzofuran	9.986	168	35361	2.206	ng	95
56) 4-Nitrophenol	9.922	139	526	5.802	ng	# 1
58) Fluorene	10.328	166	32877	2.620	ng	97
67) 4-Bromophenyl-phenylether	10.569	248	11223	3.443	ng	# 1
70) Pentachlorophenol	11.092	266	4771	3.646	ng	95
71) Phenanthrene	11.292	178	390551	25.110	ng	100
72) Anthracene	11.345	178	79762	4.949	ng	96
75) Fluoranthene	12.492	202	319240	18.493	ng	98
77) Benzidine	12.863	184	9155	2.237	ng	# 94
78) Pyrene	12.722	202	283788	19.037	ng	99
81) Benzo(a)anthracene	13.927	228	102499	8.319	ng	99
83) Chrysene	13.963	228	104067	8.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	42702	3.193	ng	95
88) Benzo(b)fluoranthene	14.980	252	159443	11.607	ng	98
89) Benzo(k)fluoranthene	14.980	252	159443	11.955	ng	97
90) Benzo(a)pyrene	15.351	252	84250	6.522	ng	97
92) Benzo(g,h,i)perylene	17.380	276	36577	3.248	ng	99

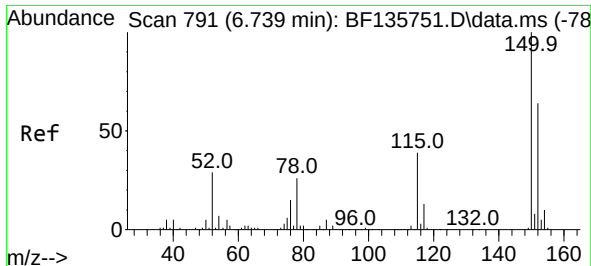
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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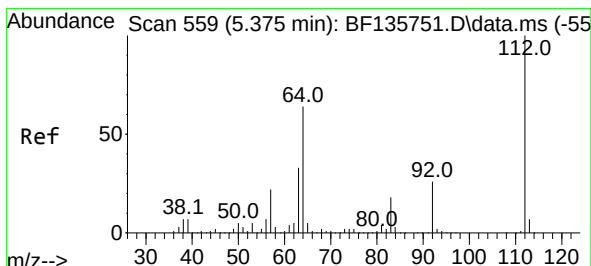
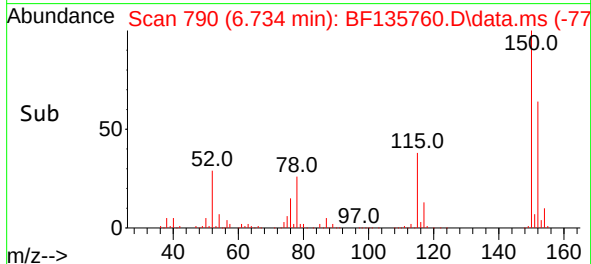
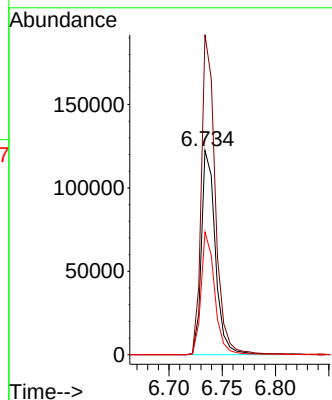
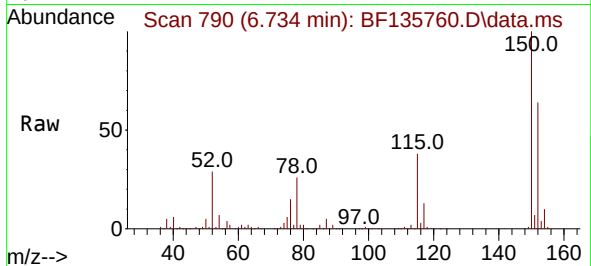




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.005 min
 Lab File: BF135760.D
 Acq: 13 Oct 2023 19:10

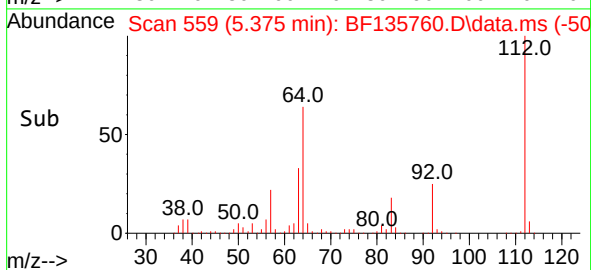
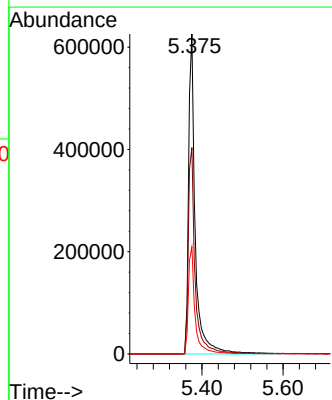
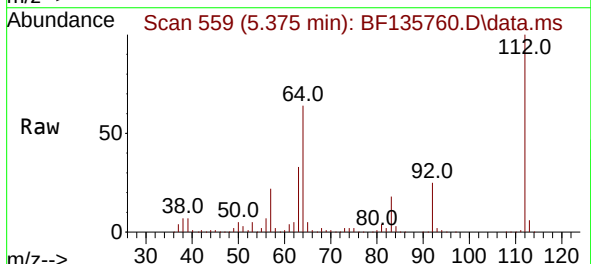
Instrument :
 BNA_F
 ClientSampleId :
 RT-2327

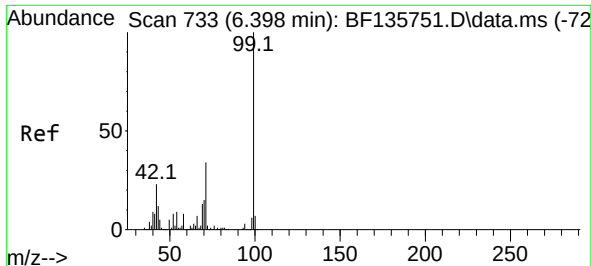
Tgt Ion:152 Resp: 112123
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.5 186.7
 115 60.0 49.0 73.4



#5
 2-Fluorophenol
 Concen: 102.295 ng
 RT: 5.375 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: BF135760.D
 Acq: 13 Oct 2023 19:10

Tgt Ion:112 Resp: 713394
 Ion Ratio Lower Upper
 112 100
 64 64.5 51.2 76.8
 63 33.4 26.1 39.1

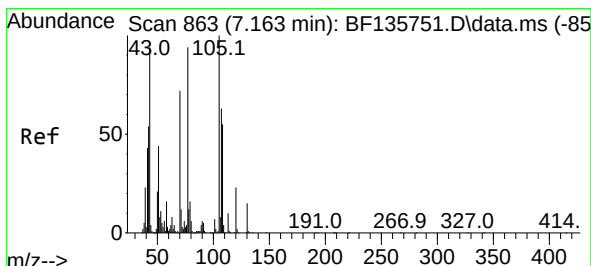
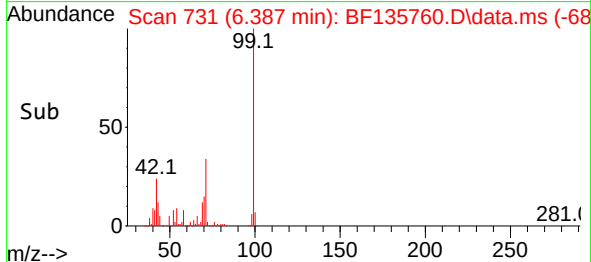
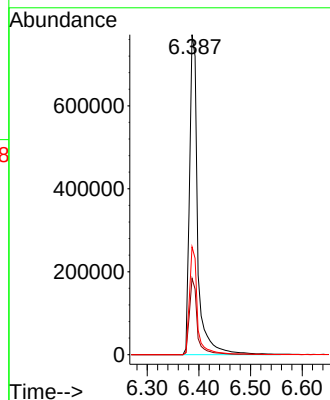
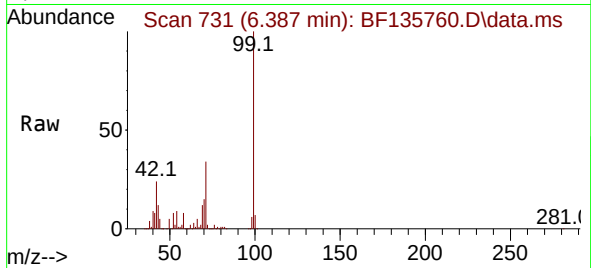




#7
Phenol-d6
Concen: 97.774 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

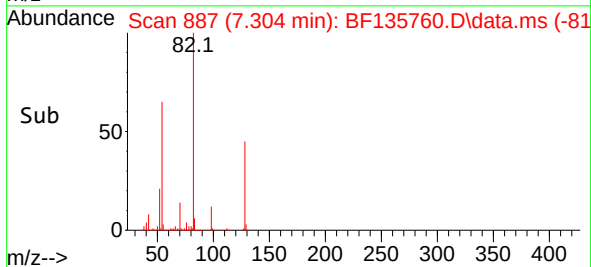
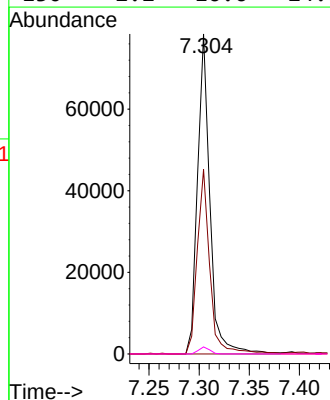
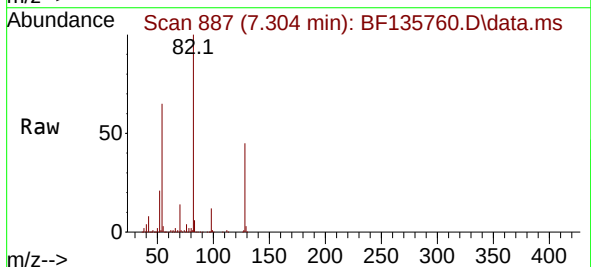
Instrument :
BNA_F
ClientSampleId :
RT-2327

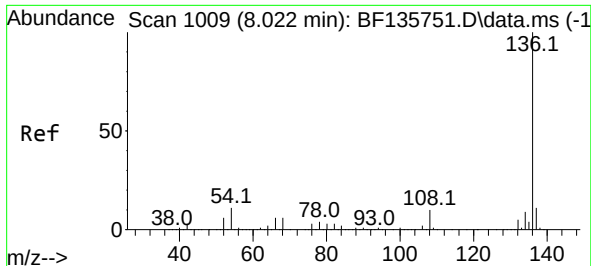
Tgt Ion: 99 Resp: 850781
Ion Ratio Lower Upper
99 100
42 23.8 18.4 27.6
71 33.7 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.523 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion: 70 Resp: 67375
Ion Ratio Lower Upper
70 100
42 57.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.2 16.6 24.8#



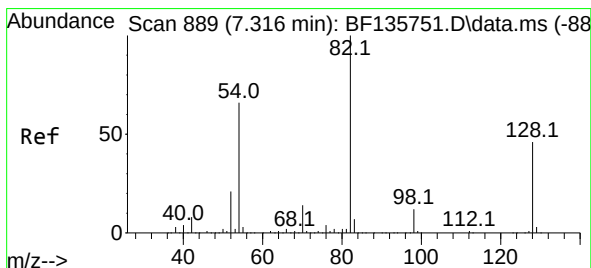
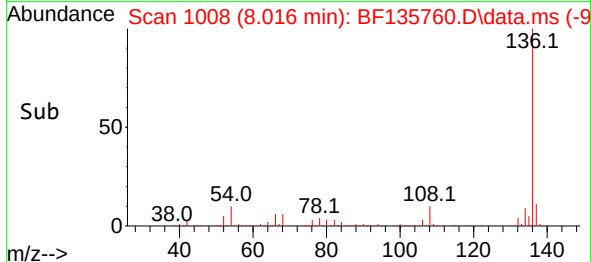
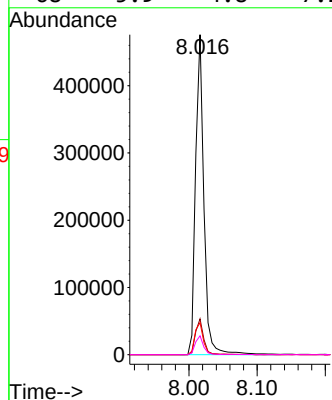
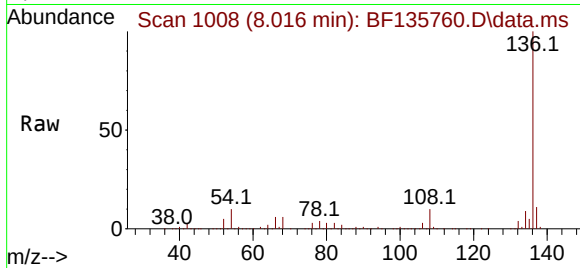


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Instrument :
BNA_F
ClientSampleId :
RT-2327

Tgt Ion:136 Resp: 400241

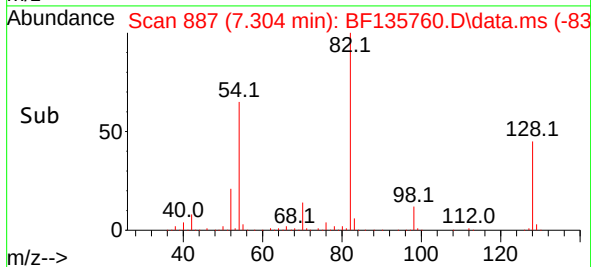
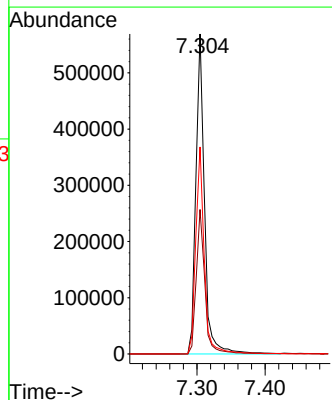
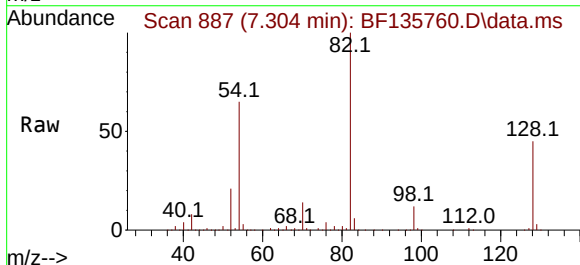
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.0	8.5	12.7
68	5.9	4.8	7.2

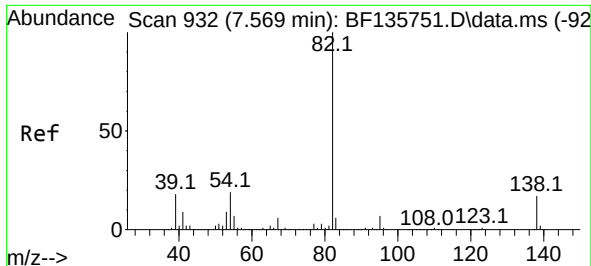


#23
Nitrobenzene-d5
Concen: 68.547 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.011 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion: 82 Resp: 498831

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.0	55.6
54	64.7	52.8	79.2

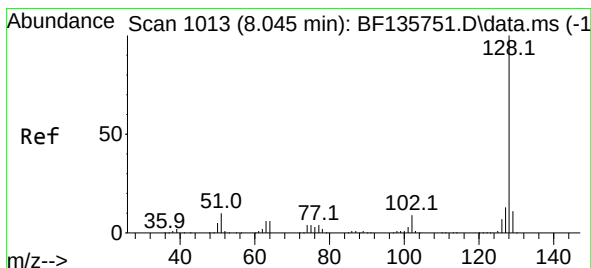
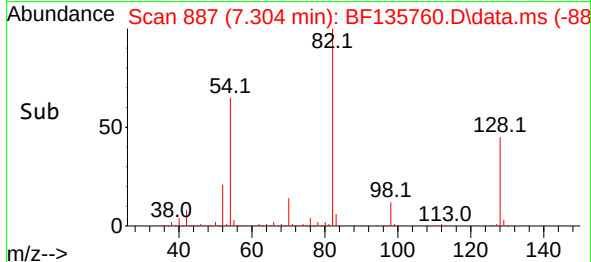
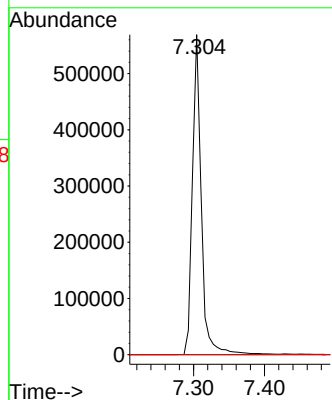
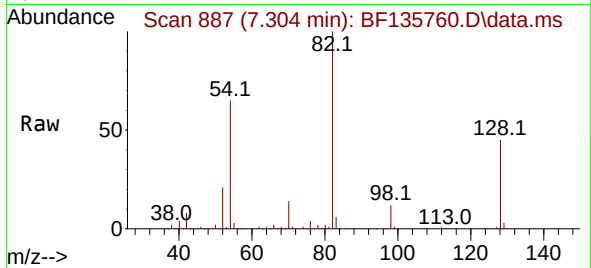




#25
Isophorone
Concen: 36.334 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

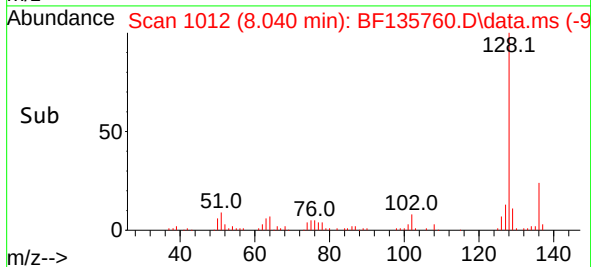
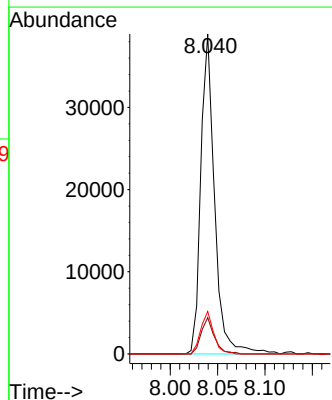
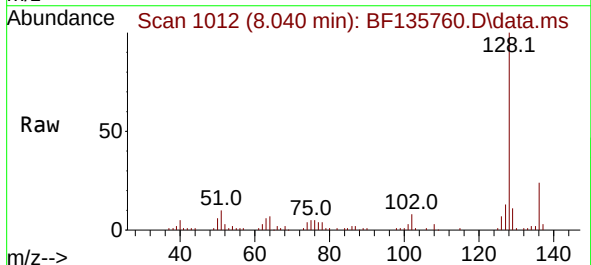
Instrument :
BNA_F
ClientSampleId :
RT-2327

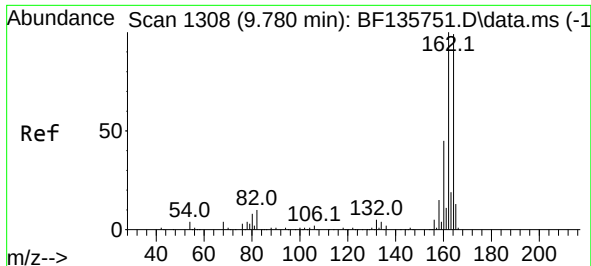
Tgt Ion: 82 Resp: 498826
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.028 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion: 128 Resp: 39590
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.3 10.2 15.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

Instrument :

BNA_F

ClientSampleId :

RT-2327

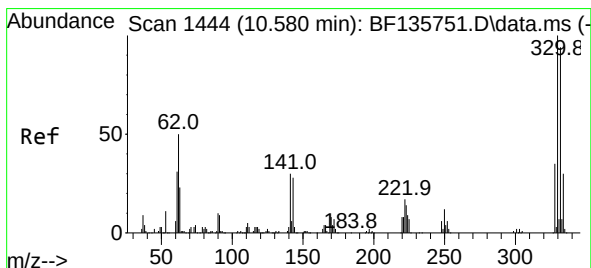
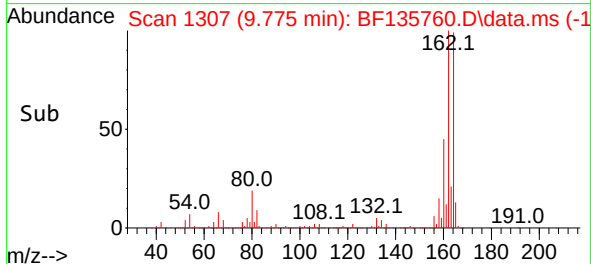
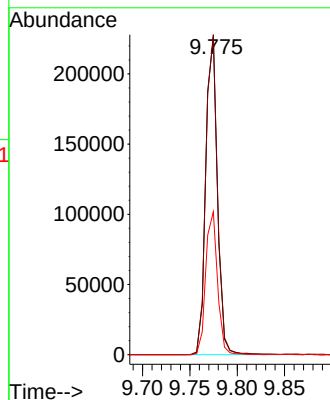
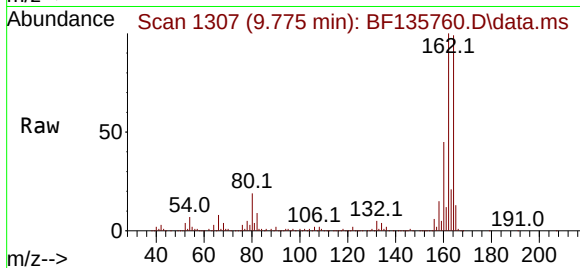
Tgt Ion:164 Resp: 193977

Ion Ratio Lower Upper

164 100

162 100.8 80.8 121.2

160 45.0 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 99.264 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.011 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

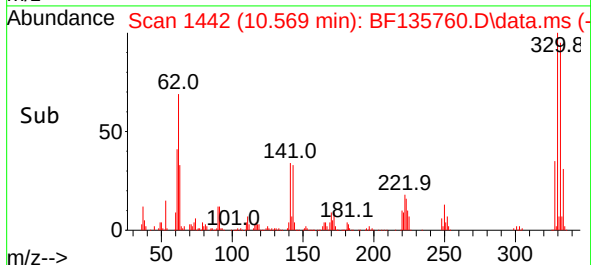
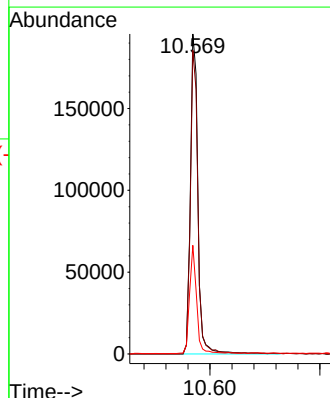
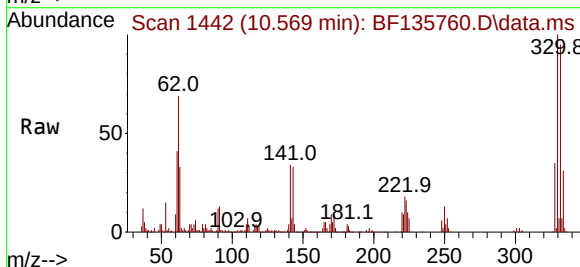
Tgt Ion:330 Resp: 184766

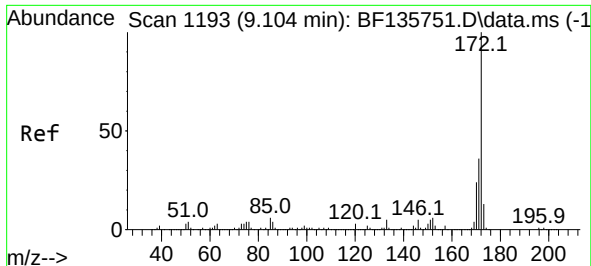
Ion Ratio Lower Upper

330 100

332 95.4 75.0 112.4

141 31.6 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 67.834 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.011 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

Instrument :

BNA_F

ClientSampleId :

RT-2327

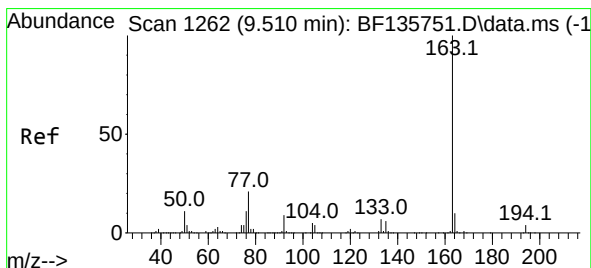
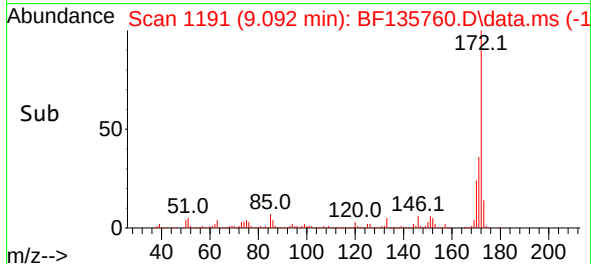
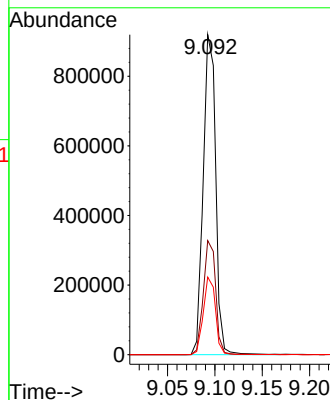
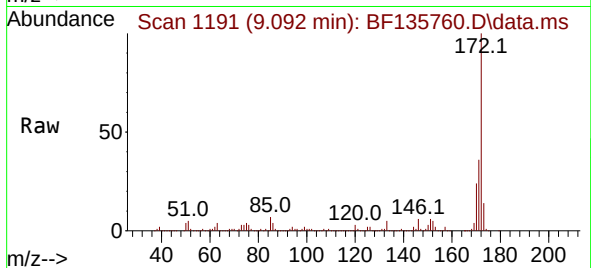
Tgt Ion:172 Resp: 841589

Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 24.3 18.8 28.2



#50

Dimethylphthalate

Concen: 3.046 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.265 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

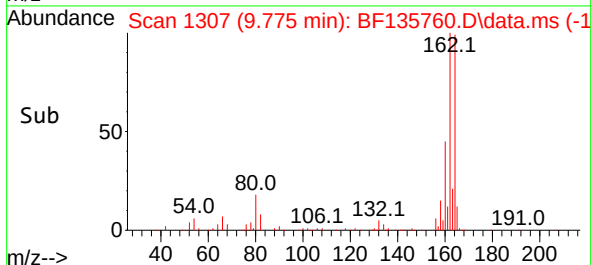
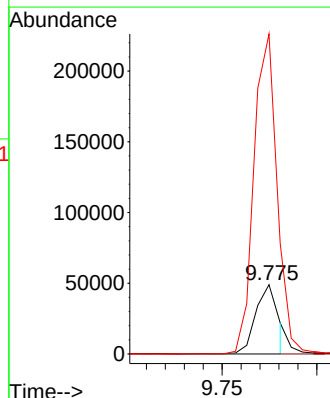
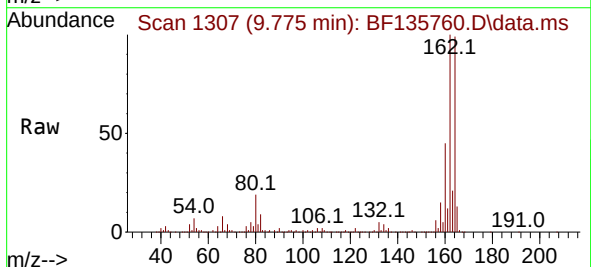
Tgt Ion:163 Resp: 39891

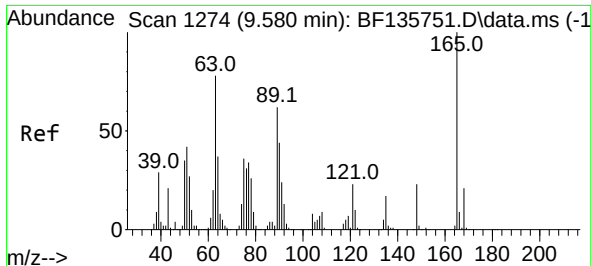
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 461.9 7.9 11.9#

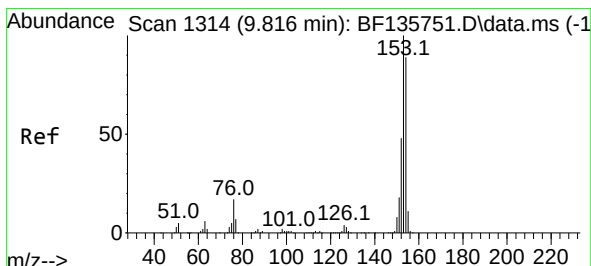
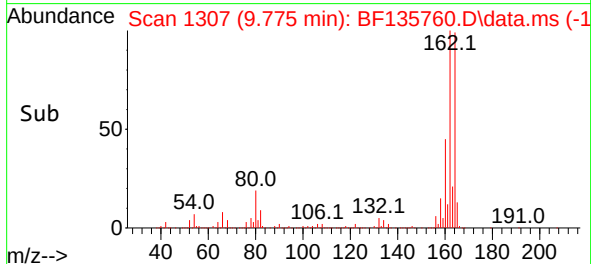
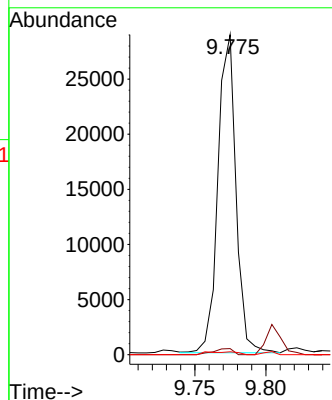
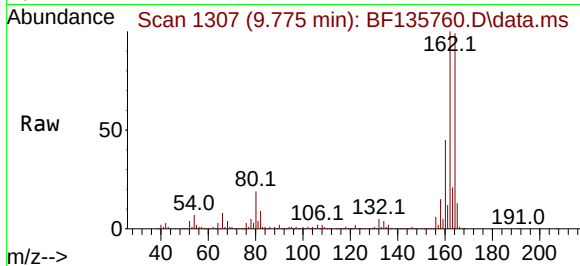




#51
2,6-Dinitrotoluene
Concen: 9.016 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

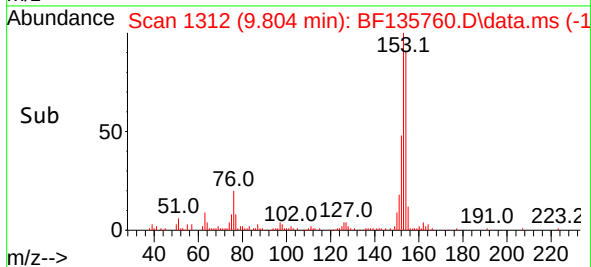
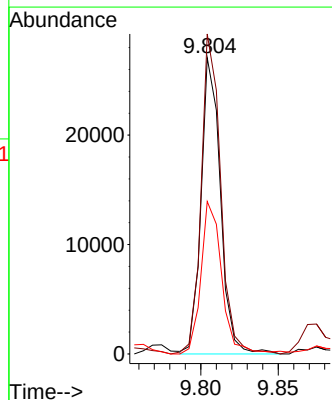
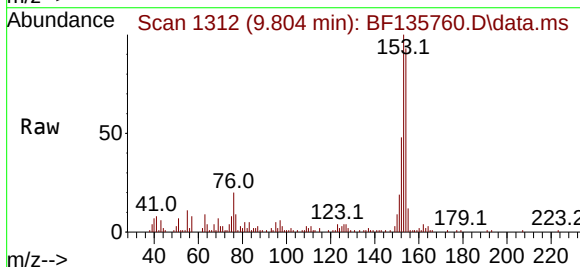
Instrument :
BNA_F
ClientSampleId :
RT-2327

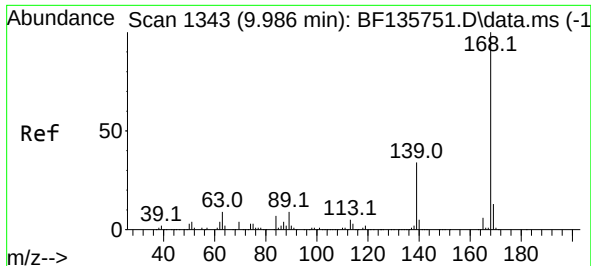
Tgt Ion:165 Resp: 25390
Ion Ratio Lower Upper
165 100
63 1.9 62.2 93.4#
89 0.9 49.6 74.4#



#52
Acenaphthene
Concen: 2.208 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.011 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:154 Resp: 23456
Ion Ratio Lower Upper
154 100
153 108.0 90.1 135.1
152 51.5 43.1 64.7

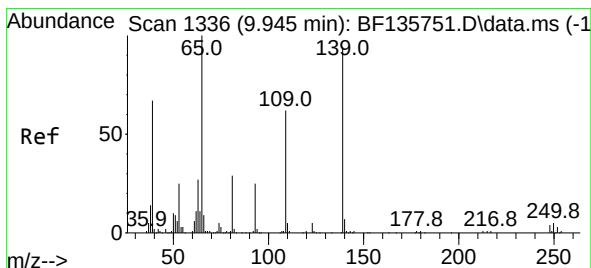
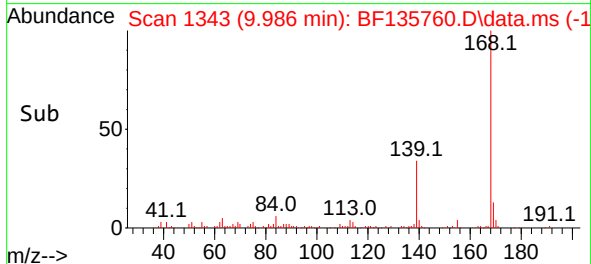
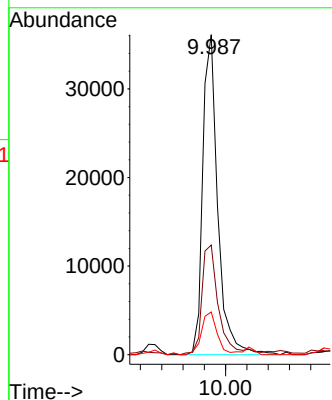
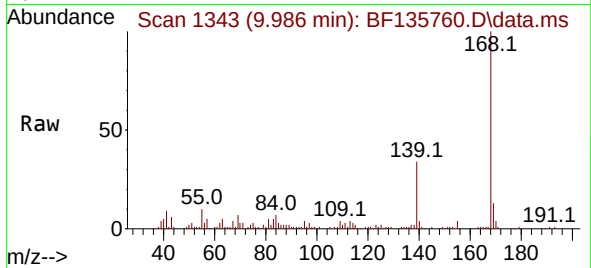




#55
Dibenzenofuran
Concen: 2.206 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

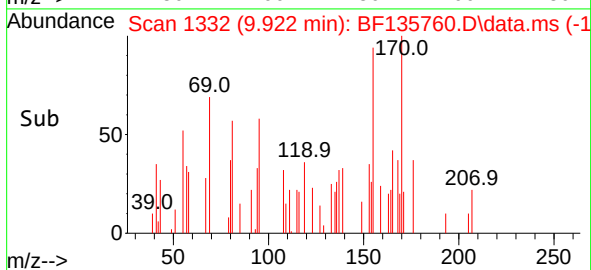
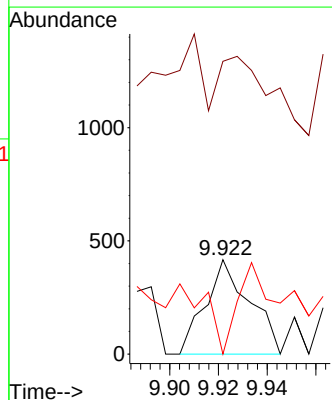
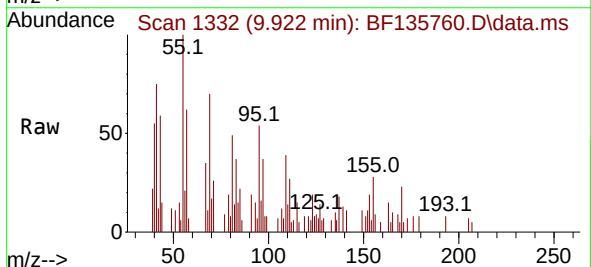
Instrument :
BNA_F
ClientSampleId :
RT-2327

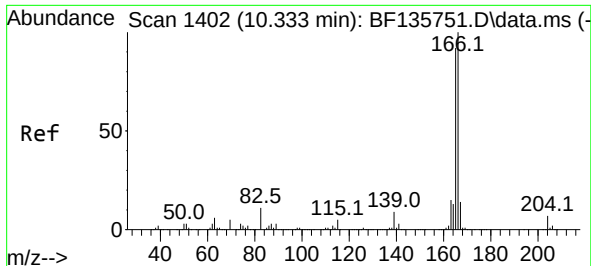
Tgt Ion:168 Resp: 35361
Ion Ratio Lower Upper
168 100
139 34.3 31.0 46.4
169 13.3 10.7 16.1



#56
4-Nitrophenol
Concen: 5.802 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.023 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:139 Resp: 526
Ion Ratio Lower Upper
139 100
109 310.1 45.6 85.6#
65 0.0 87.5 127.5#

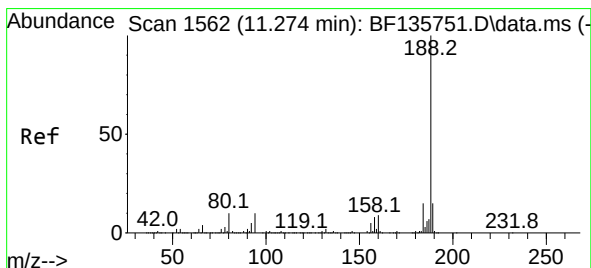
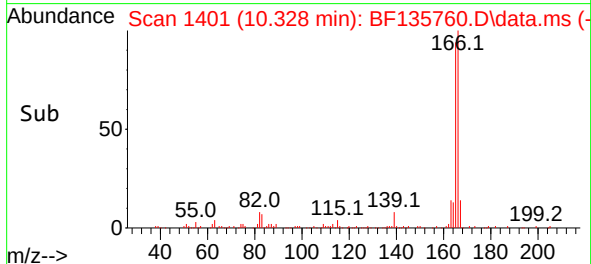
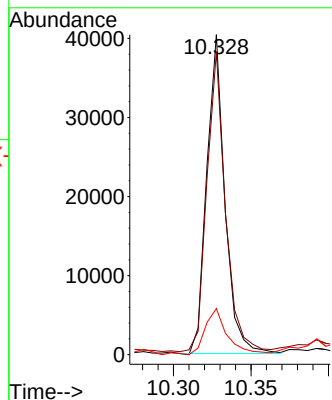
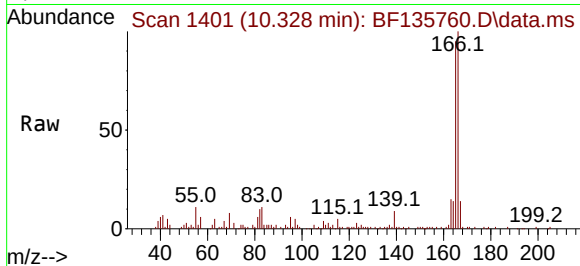




#58
Fluorene
Concen: 2.620 ng
RT: 10.328 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

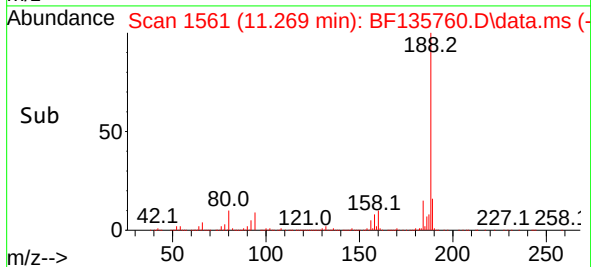
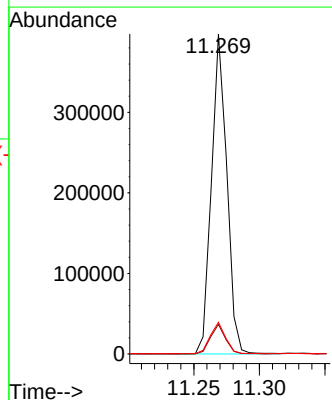
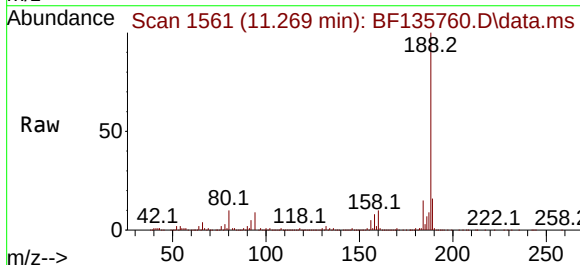
Instrument :
BNA_F
ClientSampleId :
RT-2327

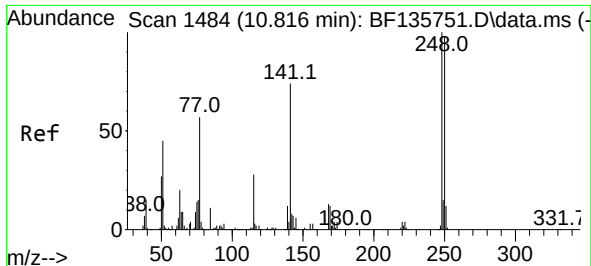
Tgt Ion:166 Resp: 32877
Ion Ratio Lower Upper
166 100
165 94.7 73.4 110.0
167 14.4 11.0 16.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:188 Resp: 324678
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 9.9 8.3 12.5





#67

4-Bromophenyl-phenylether

Concen: 3.443 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

Instrument :

BNA_F

ClientSampleId :

RT-2327

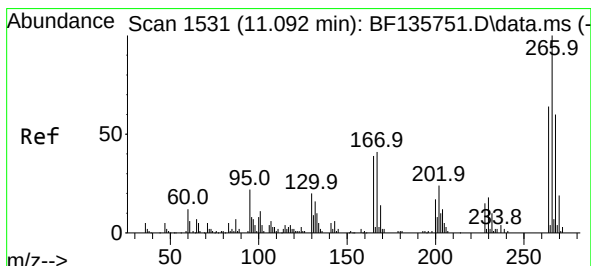
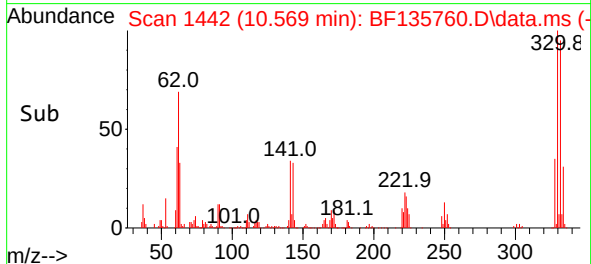
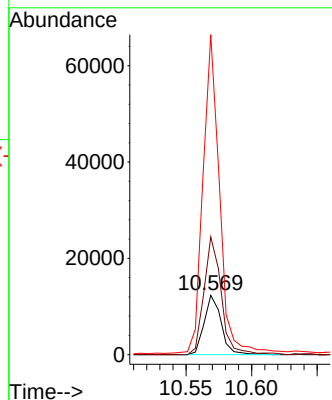
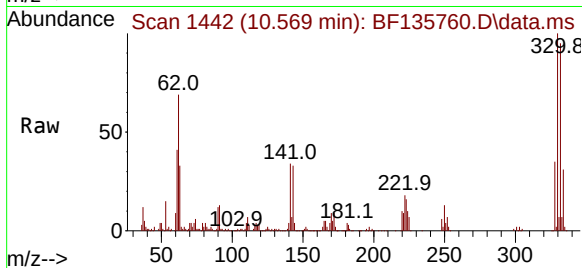
Tgt Ion:248 Resp: 11223

Ion Ratio Lower Upper

248 100

250 198.2 78.0 117.0#

141 538.4 59.0 88.6#



#70

Pentachlorophenol

Concen: 3.646 ng

RT: 11.092 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

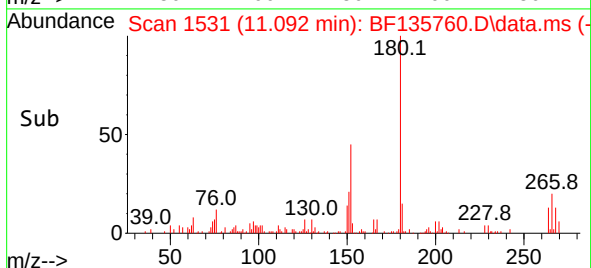
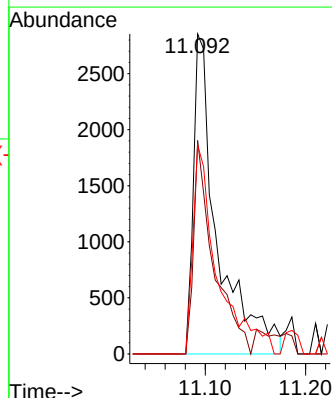
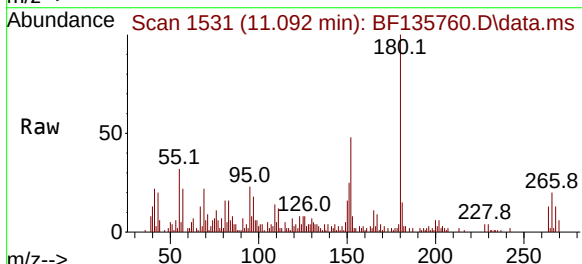
Tgt Ion:266 Resp: 4771

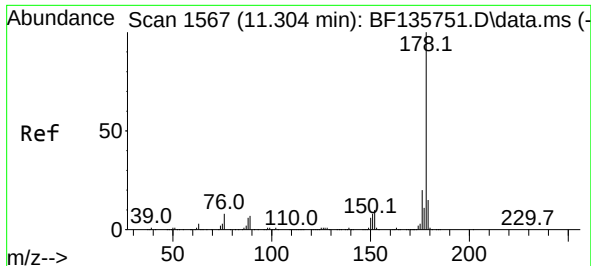
Ion Ratio Lower Upper

266 100

268 66.7 47.7 71.5

264 65.2 51.4 77.2

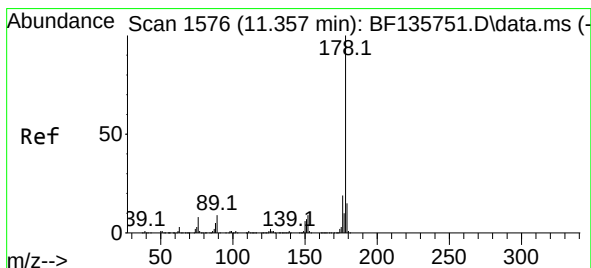
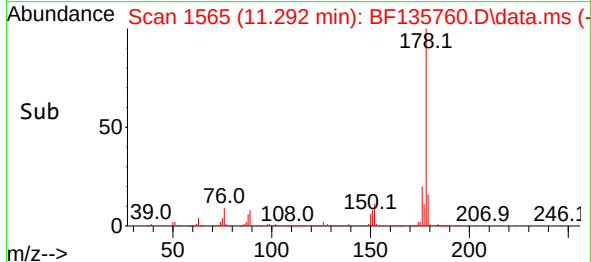
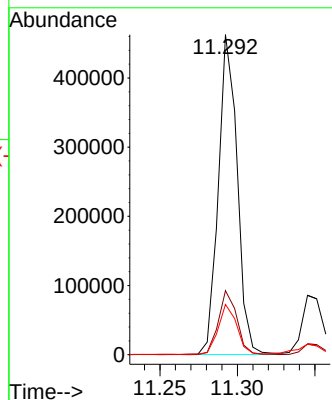
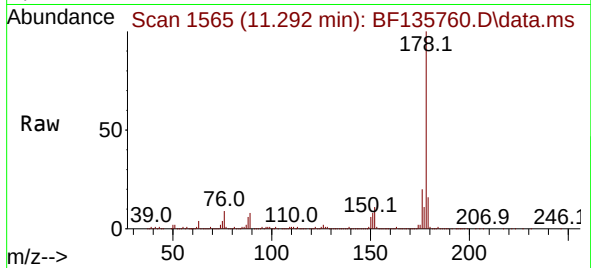




#71
Phenanthrene
Concen: 25.110 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

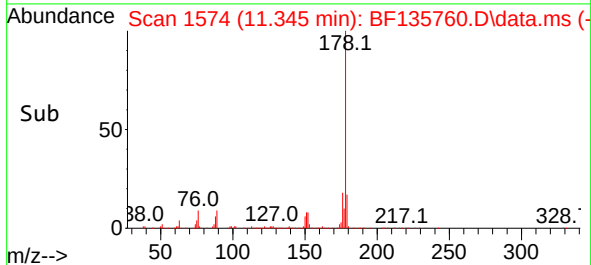
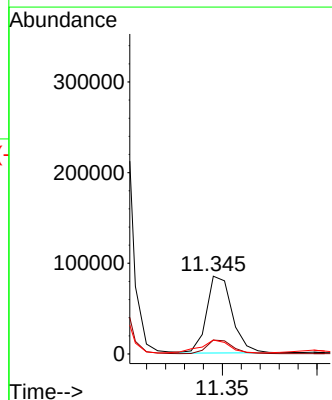
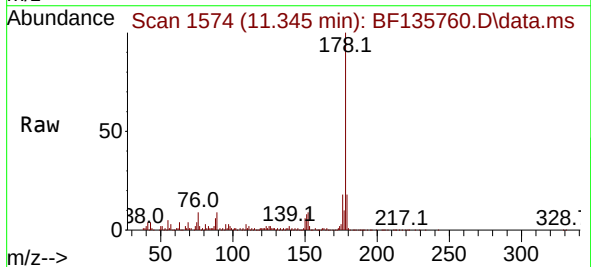
Instrument :
BNA_F
ClientSampleId :
RT-2327

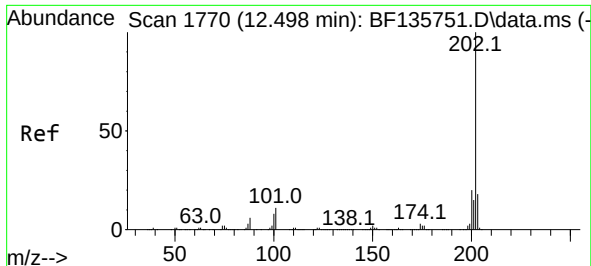
Tgt Ion:178 Resp: 390551
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.7 12.2 18.4



#72
Anthracene
Concen: 4.949 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:178 Resp: 79762
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 17.9 12.3 18.5

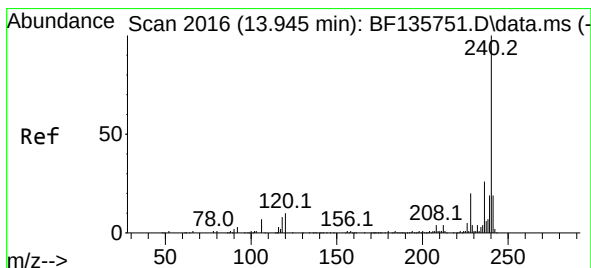
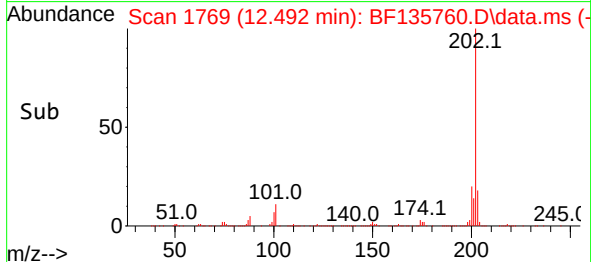
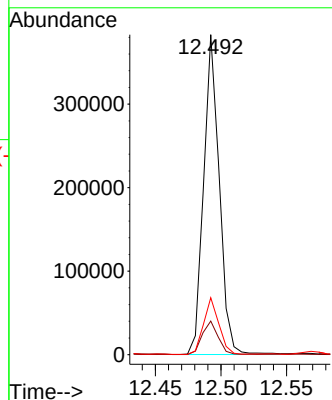
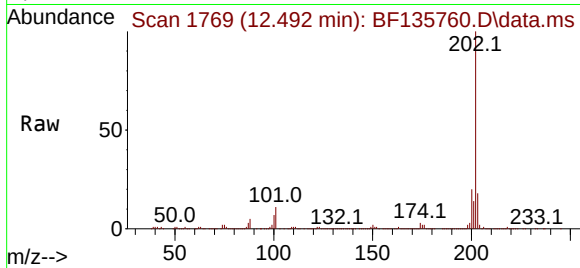




#75
Fluoranthene
Concen: 18.493 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

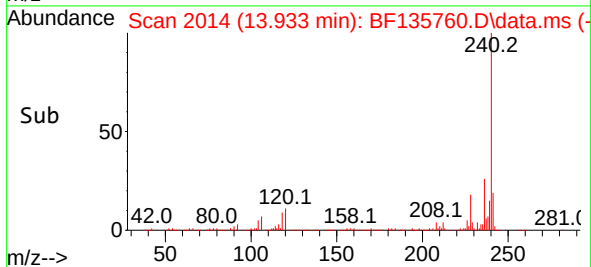
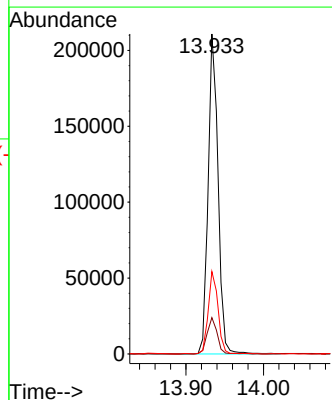
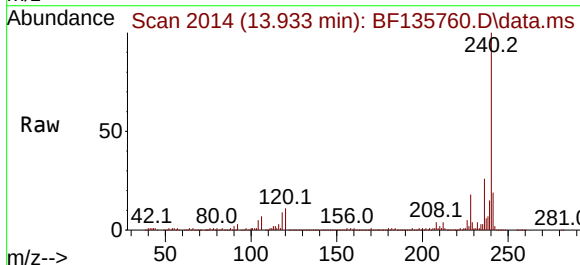
Instrument :
BNA_F
ClientSampleId :
RT-2327

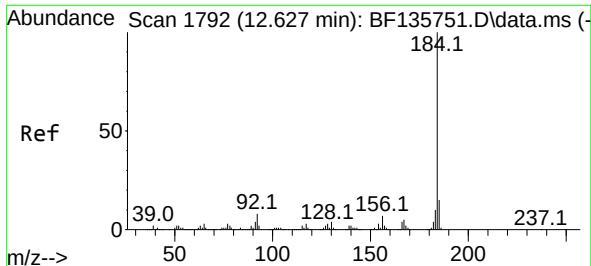
Tgt Ion:202 Resp: 319240
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.5
203 17.8 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:240 Resp: 187590
Ion Ratio Lower Upper
240 100
120 11.4 8.2 12.2
236 25.8 21.2 31.8

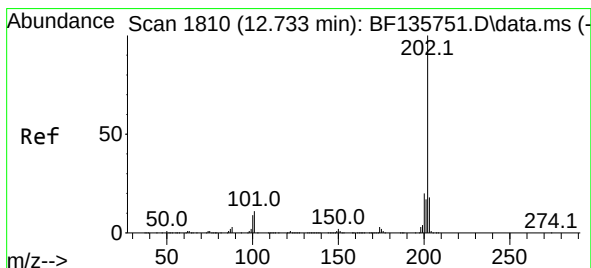
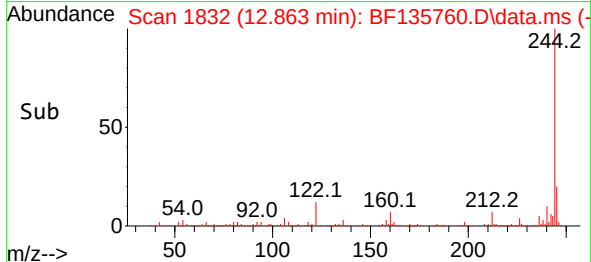
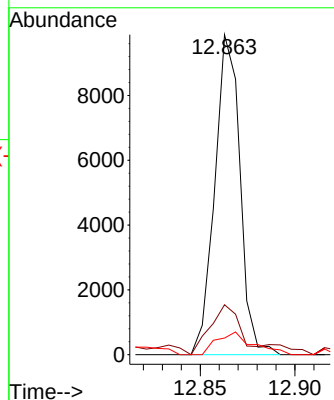
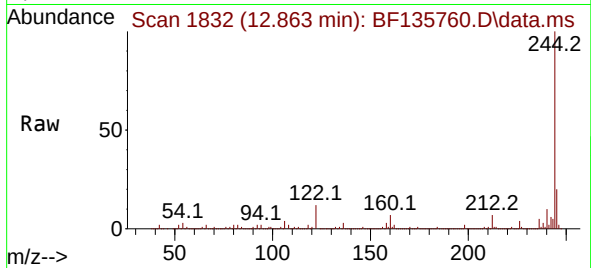




#77
Benzidine
Concen: 2.237 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.236 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

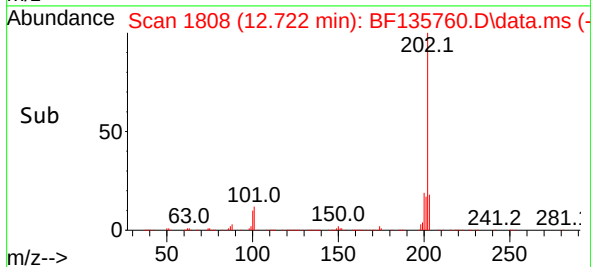
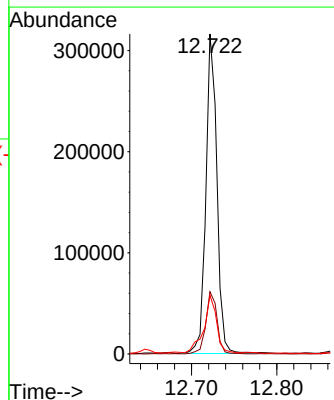
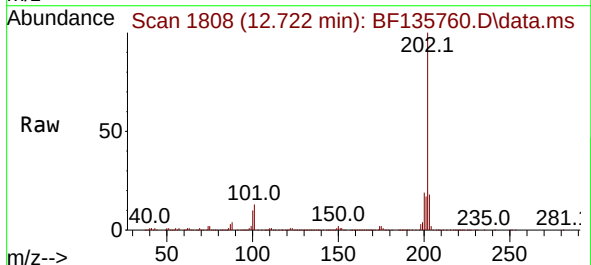
Instrument :
BNA_F
ClientSampleId :
RT-2327

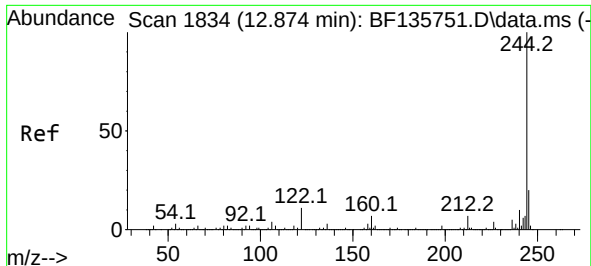
Tgt Ion:184 Resp: 9155
Ion Ratio Lower Upper
184 100
185 15.6 12.0 18.0
183 5.2 8.2 12.2#



#78
Pyrene
Concen: 19.037 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:202 Resp: 283788
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 18.3 14.2 21.2

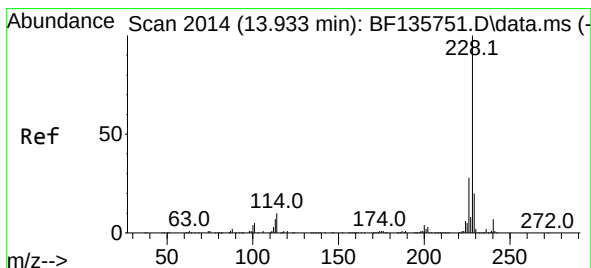
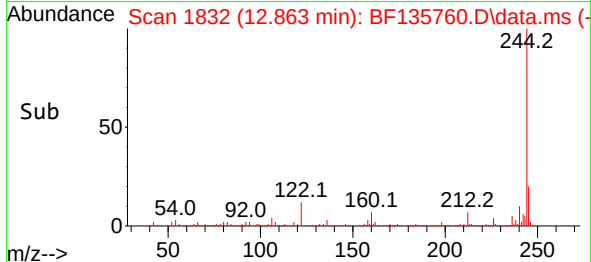
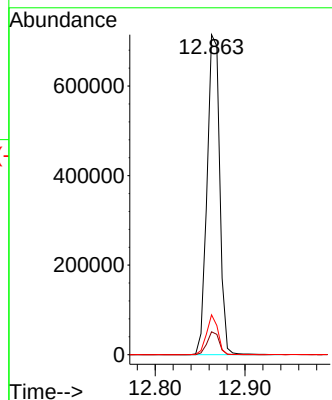
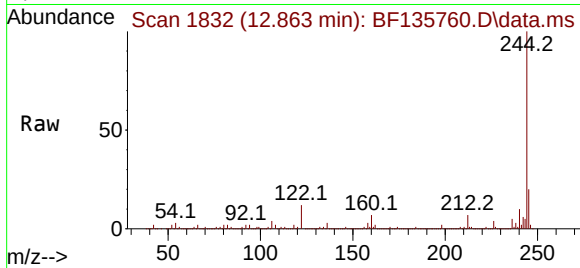




#79
 Terphenyl-d14
 Concen: 68.885 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF135760.D
 Acq: 13 Oct 2023 19:10

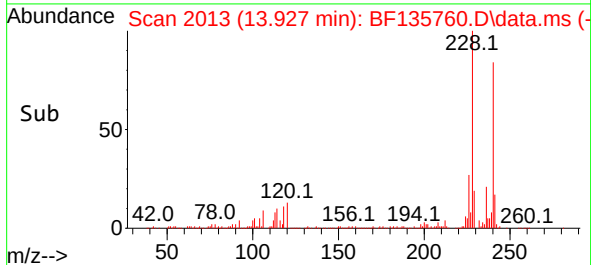
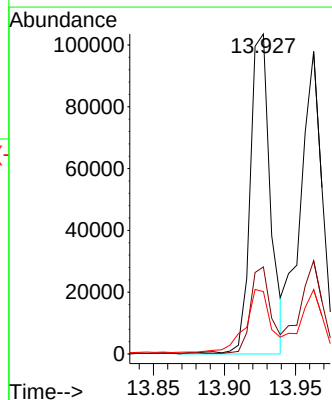
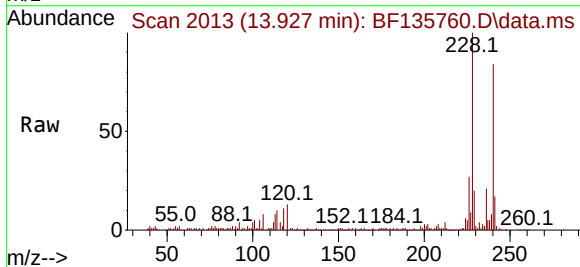
Instrument :
 BNA_F
 ClientSampleId :
 RT-2327

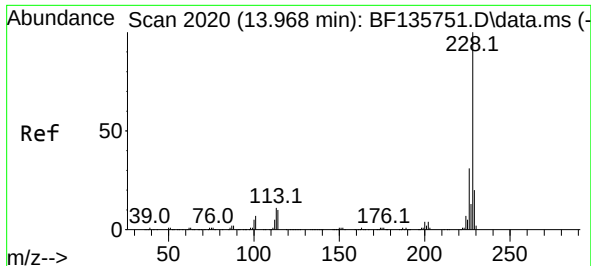
Tgt Ion:244 Resp: 697770
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 12.5 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 8.319 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF135760.D
 Acq: 13 Oct 2023 19:10

Tgt Ion:228 Resp: 102499
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.2 33.2
 229 19.5 16.1 24.1

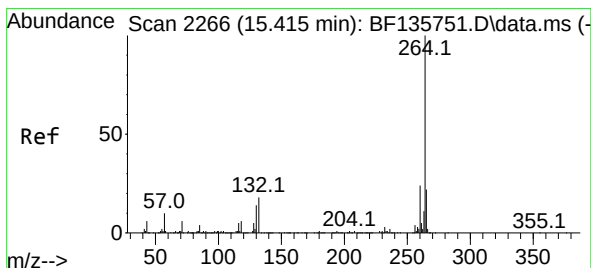
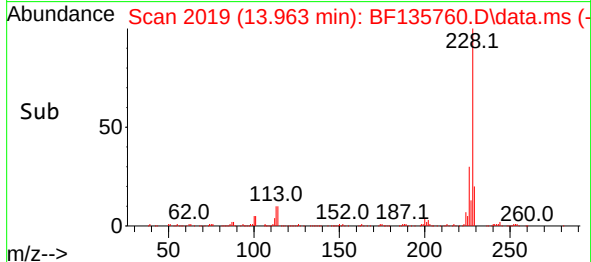
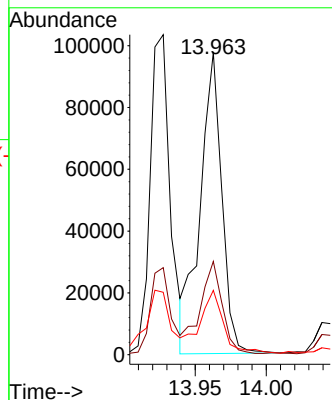
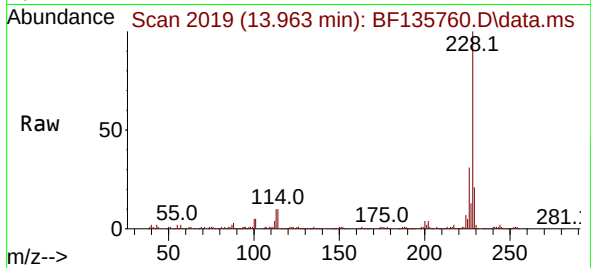




#83
Chrysene
Concen: 8.720 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

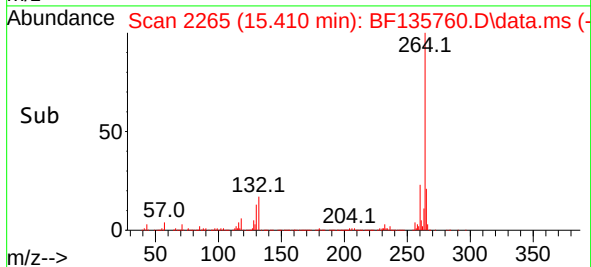
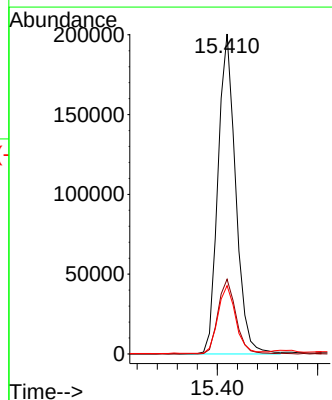
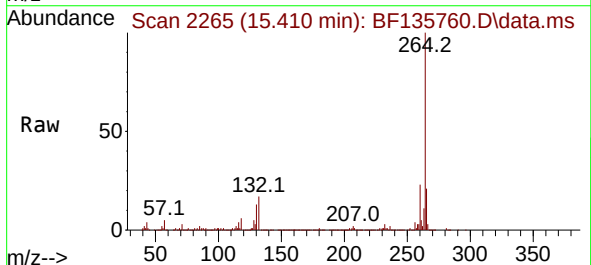
Instrument :
BNA_F
ClientSampleId :
RT-2327

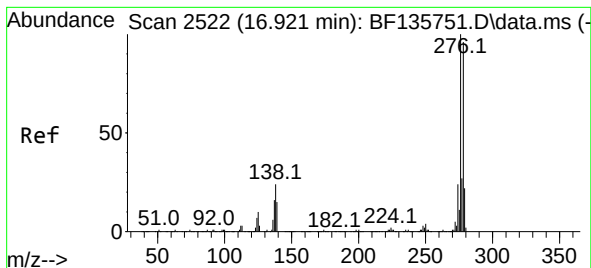
Tgt Ion:228 Resp: 104067
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 21.3 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:264 Resp: 245456
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 21.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.193 ng

RT: 16.921 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

Instrument :

BNA_F

ClientSampleId :

RT-2327

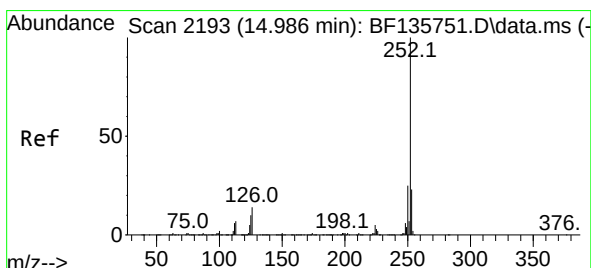
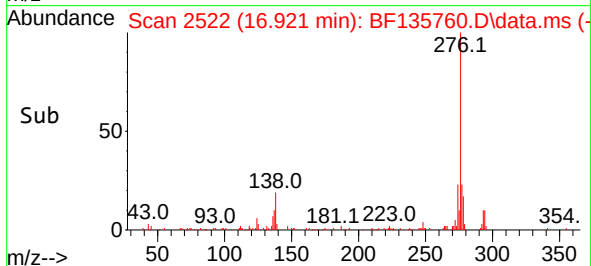
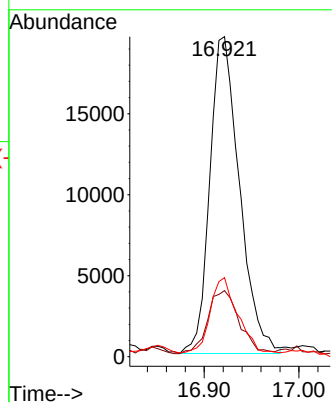
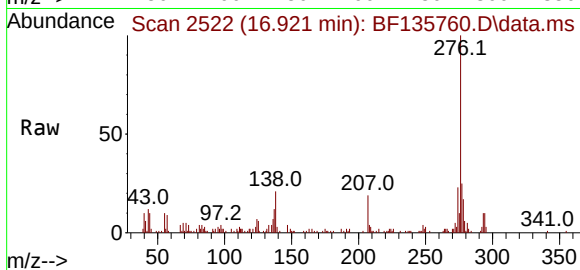
Tgt Ion:276 Resp: 42702

Ion Ratio Lower Upper

276 100

138 22.2 19.8 29.6

277 22.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 11.607 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF135760.D

Acq: 13 Oct 2023 19:10

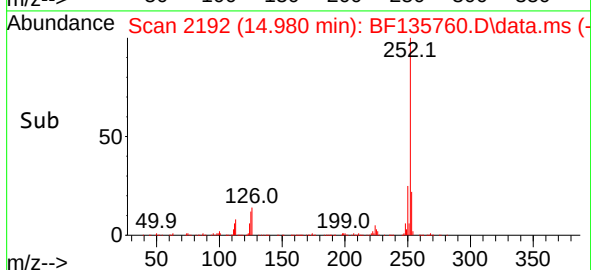
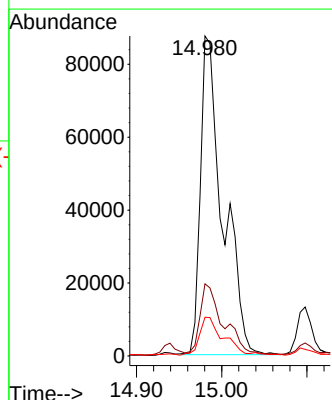
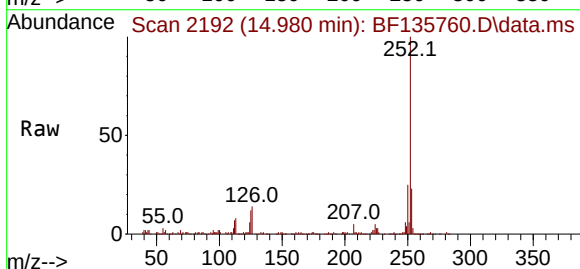
Tgt Ion:252 Resp: 159443

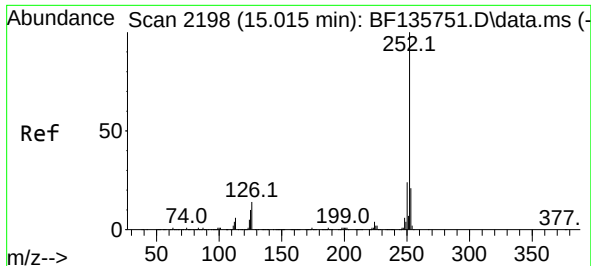
Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 12.1 8.2 12.2

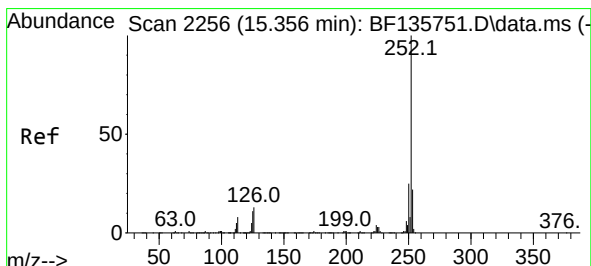
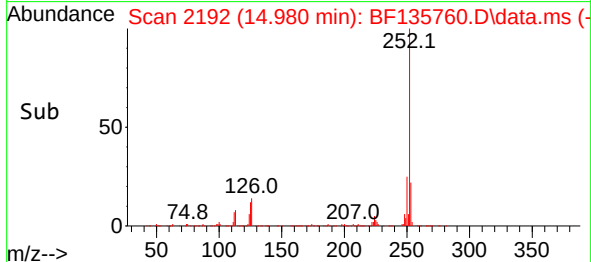
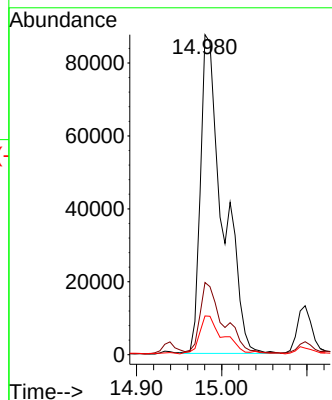
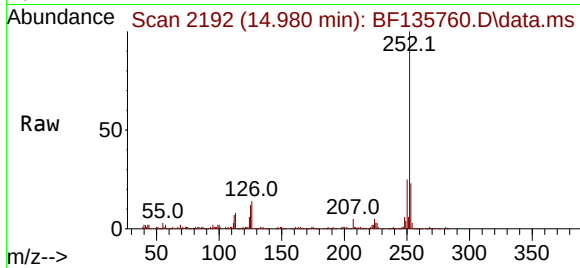




#89
Benzo(k)fluoranthene
Concen: 11.955 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

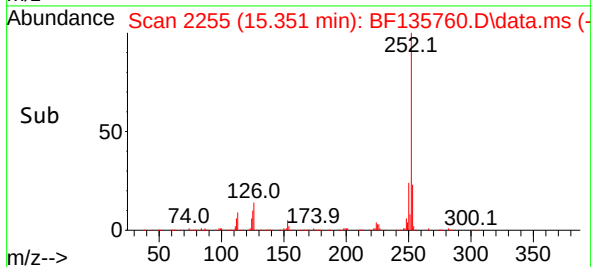
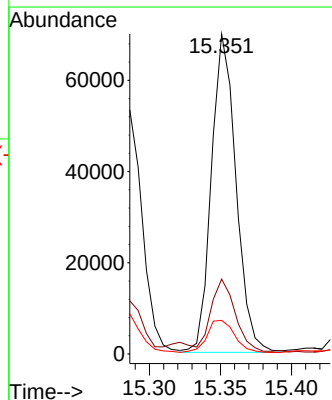
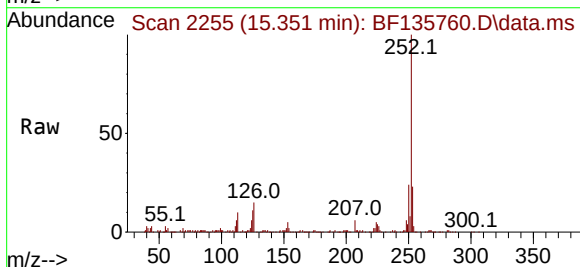
Instrument :
BNA_F
ClientSampleId :
RT-2327

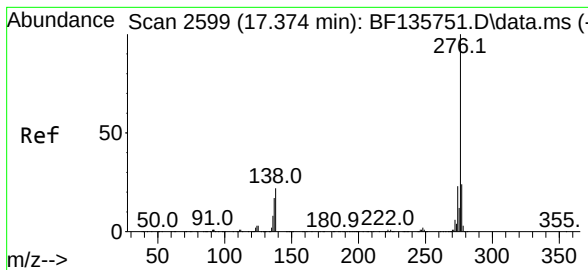
Tgt Ion:252 Resp: 159443
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 12.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.522 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BF135760.D
Acq: 13 Oct 2023 19:10

Tgt Ion:252 Resp: 84250
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 10.5 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 3.248 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF135760.D

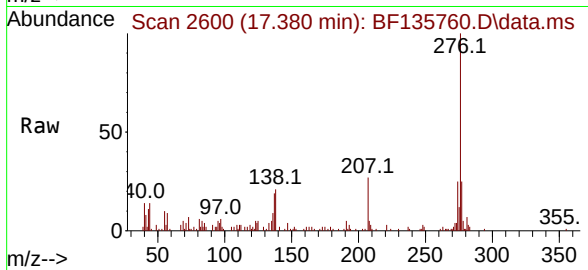
Acq: 13 Oct 2023 19:10

Instrument :

BNA_F

ClientSampleId :

RT-2327



Tgt Ion:276 Resp: 36577

Ion Ratio Lower Upper

276 100

277 25.2 19.4 29.2

138 21.3 17.3 25.9

