

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
 Data File : BF135796.D
 Acq On : 17 Oct 2023 01:28
 Operator : CG\JU
 Sample : 04704-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4(0-5)

Quant Time: Oct 17 02:01:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

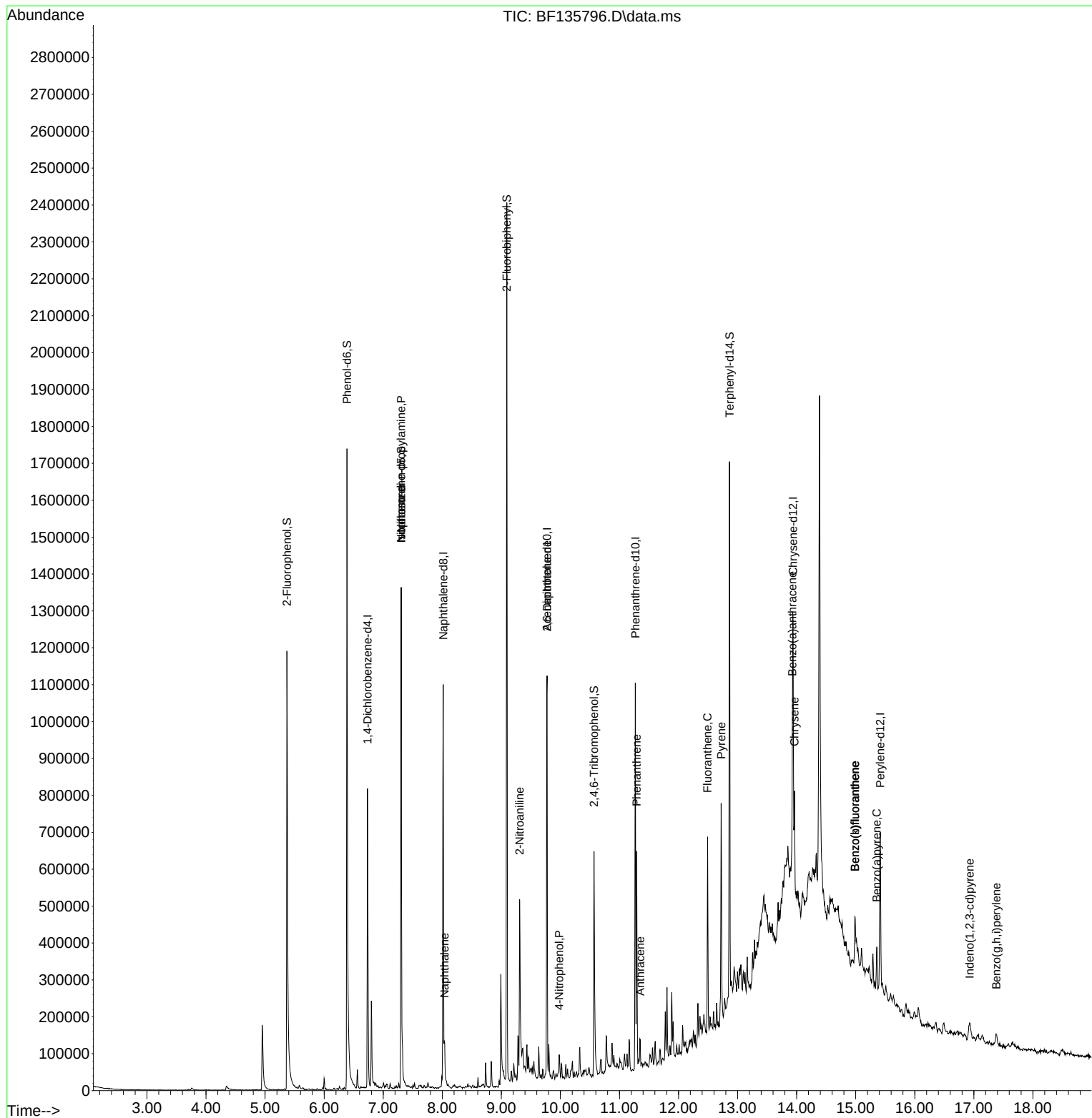
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	119772	20.000	ng	-0.01
21) Naphthalene-d8	8.016	136	460556	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	220963	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	349507	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	235008	20.000	ng	-0.01
86) Perylene-d12	15.416	264	218771	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	415123	55.724	ng	0.00
7) Phenol-d6	6.387	99	607817	65.391	ng	-0.01
23) Nitrobenzene-d5	7.304	82	387663	46.294	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	72635	34.257	ng	-0.02
45) 2-Fluorobiphenyl	9.092	172	661287	46.792	ng	-0.01
79) Terphenyl-d14	12.863	244	489460	38.570	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	51513	8.963	ng	# 77
25) Isophorone	7.304	82	387660	24.539	ng	# 66
31) Naphthalene	8.040	128	48803	2.172	ng	98
48) 2-Nitroaniline	9.310	65	17236	3.580	ng	# 29
51) 2,6-Dinitrotoluene	9.775	165	29742	9.272	ng	# 16
56) 4-Nitrophenol	9.981	139	6691	8.951	ng	# 12
71) Phenanthrene	11.292	178	199346	11.906	ng	99
72) Anthracene	11.351	178	36760	2.119	ng	98
75) Fluoranthene	12.492	202	189970	10.223	ng	99
78) Pyrene	12.722	202	237413	12.713	ng	98
81) Benzo(a)anthracene	13.927	228	99668	6.457	ng	99
83) Chrysene	13.963	228	91477	6.118	ng	99
87) Indeno(1,2,3-cd)pyrene	16.927	276	24716	2.073	ng	99
88) Benzo(b)fluoranthene	14.986	252	99791	8.150	ng	# 93
89) Benzo(k)fluoranthene	14.986	252	99791	8.395	ng	# 92
90) Benzo(a)pyrene	15.357	252	61311	5.325	ng	96
92) Benzo(g,h,i)perylene	17.380	276	25292	2.520	ng	95

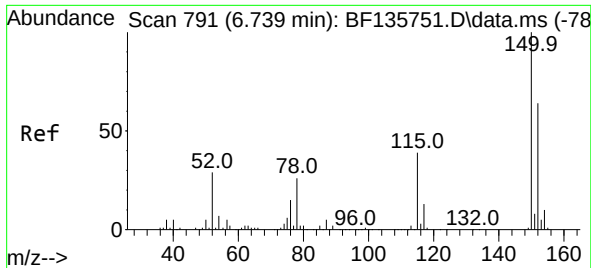
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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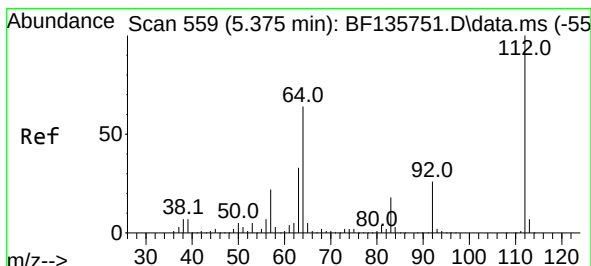
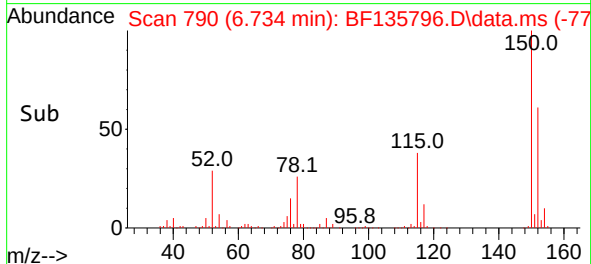
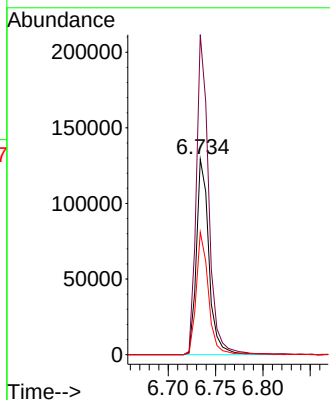
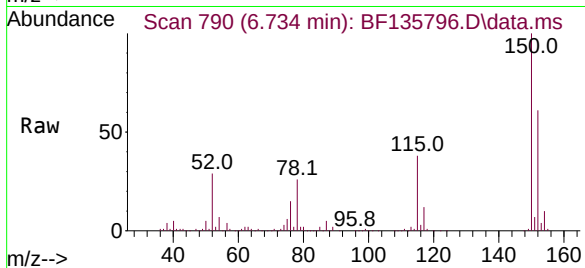




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 791
 Delta R.T. -0.012 min
 Lab File: BF135796.D
 Acq: 17 Oct 2023 01:28

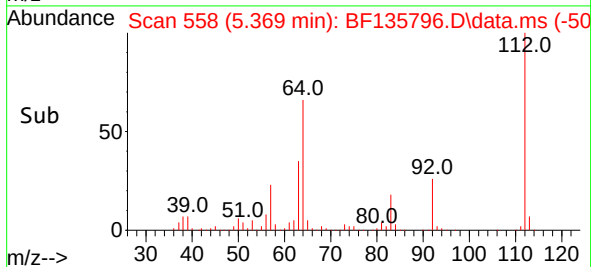
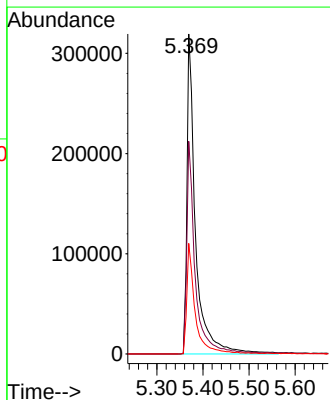
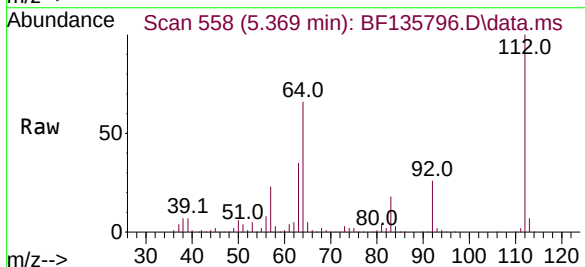
Instrument :
 BNA_F
 ClientSampleId :
 S-4(0-5)

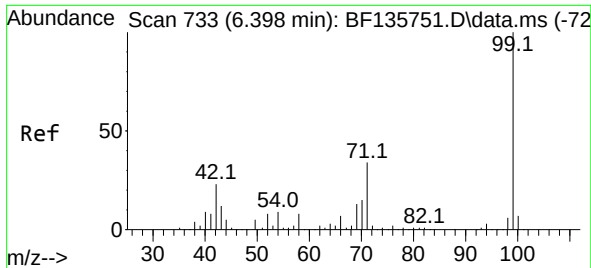
Tgt Ion:152 Resp: 119772
 Ion Ratio Lower Upper
 152 100
 150 163.6 124.5 186.7
 115 62.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 55.724 ng
 RT: 5.369 min Scan# 558
 Delta R.T. -0.006 min
 Lab File: BF135796.D
 Acq: 17 Oct 2023 01:28

Tgt Ion:112 Resp: 415123
 Ion Ratio Lower Upper
 112 100
 64 66.5 51.2 76.8
 63 34.5 26.1 39.1

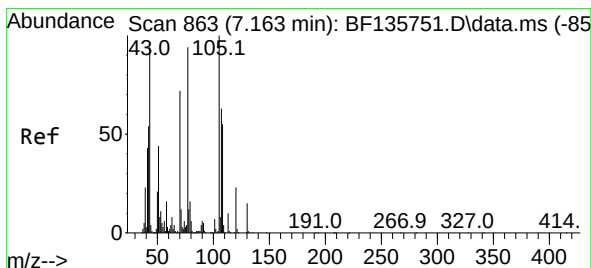
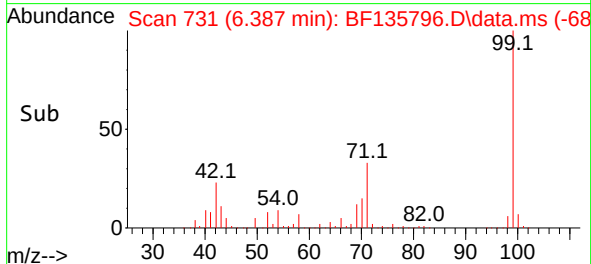
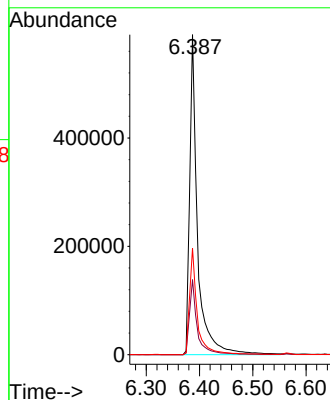
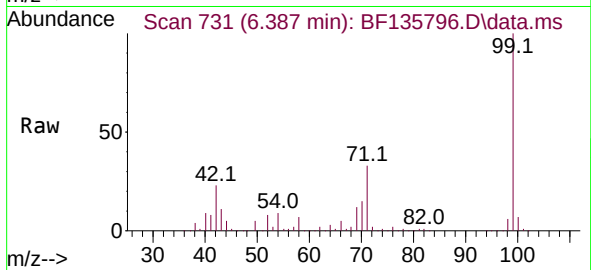




#7
Phenol-d6
Concen: 65.391 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

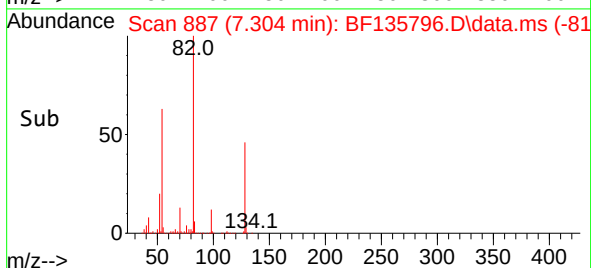
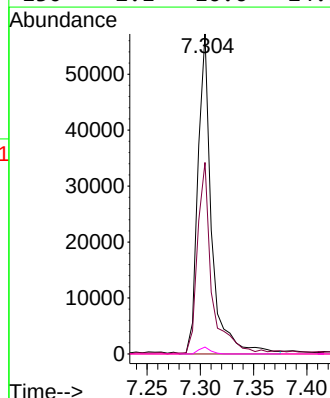
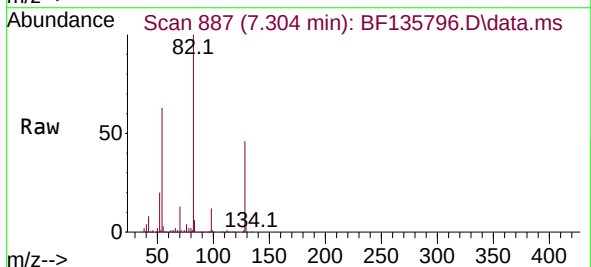
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)

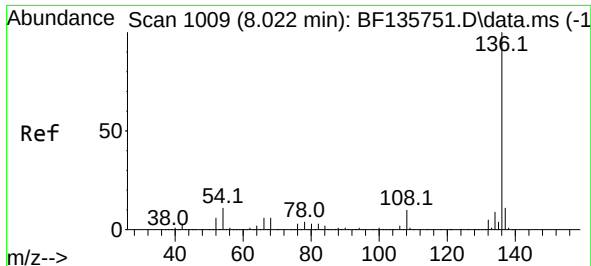
Tgt Ion: 99 Resp: 607817
Ion Ratio Lower Upper
99 100
42 23.5 18.4 27.6
71 33.3 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.963 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion: 70 Resp: 51513
Ion Ratio Lower Upper
70 100
42 59.9 59.8 89.6
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#

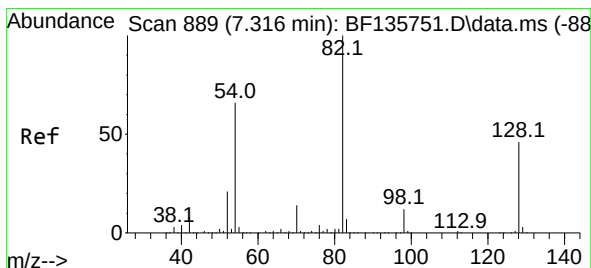
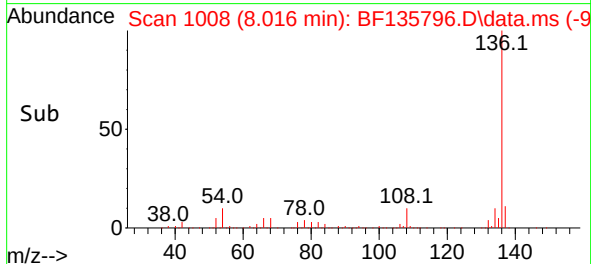
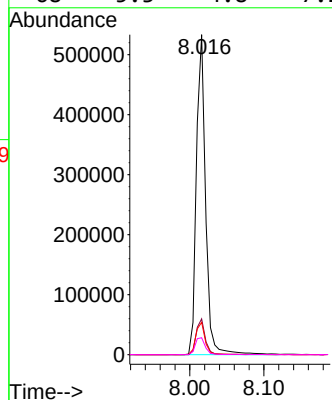
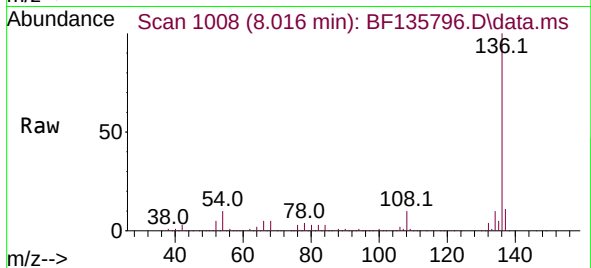




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

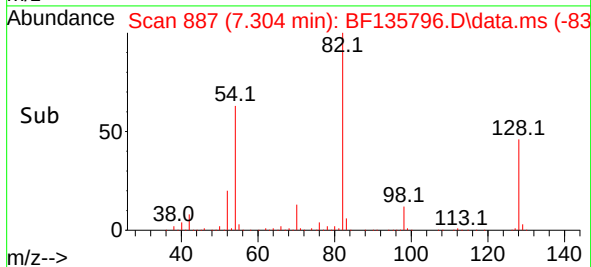
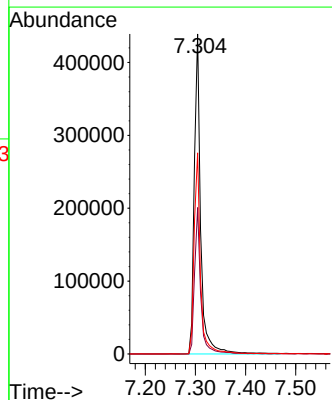
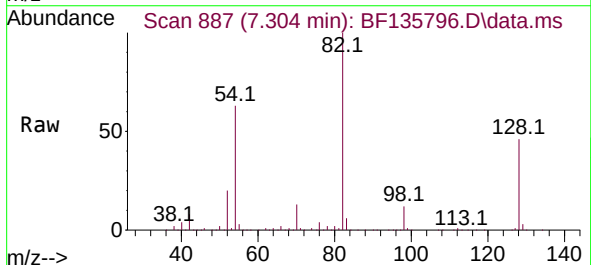
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)

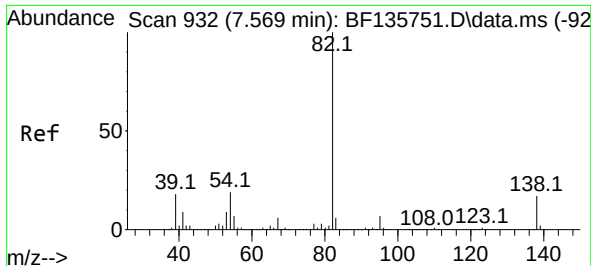
Tgt	Ion:136	Resp:	460556
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	12.8
54	10.1	8.5	12.7
68	5.3	4.8	7.2



#23
Nitrobenzene-d5
Concen: 46.294 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion: 82	Resp: 387663
Ion Ratio	Lower Upper
82 100	
128 45.7	37.0 55.6
54 62.9	52.8 79.2

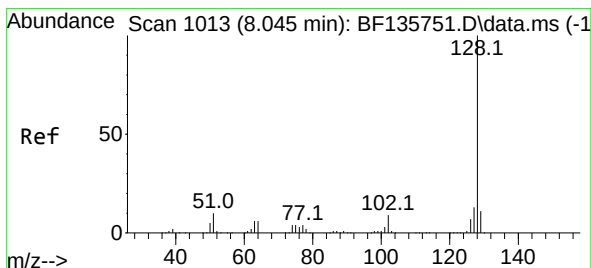
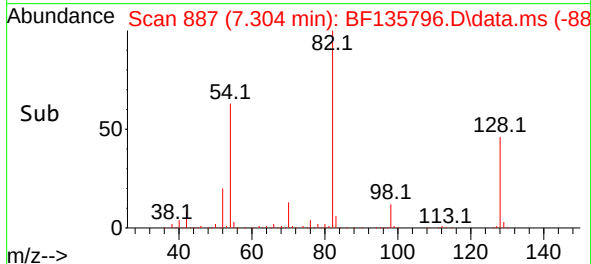
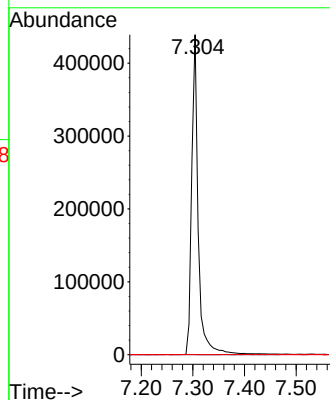
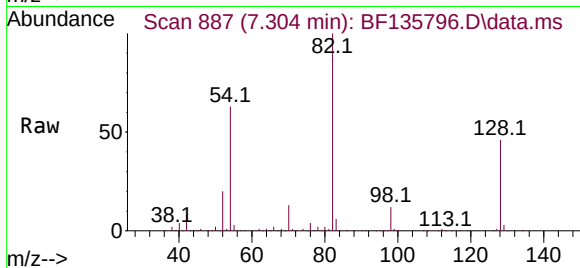




#25
Isophorone
Concen: 24.539 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

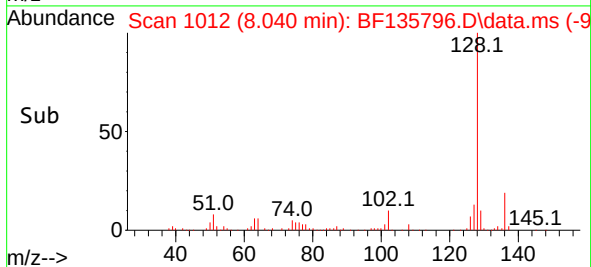
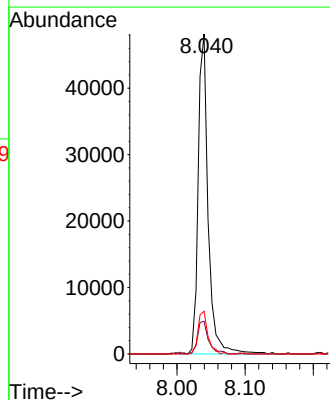
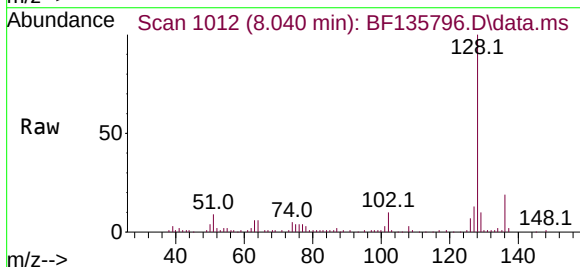
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)

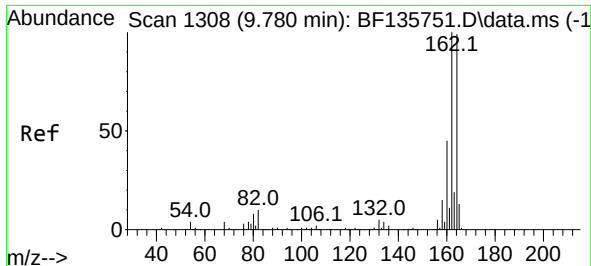
Tgt Ion: 82 Resp: 387660
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 2.172 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion: 128 Resp: 48803
Ion Ratio Lower Upper
128 100
129 10.2 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. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

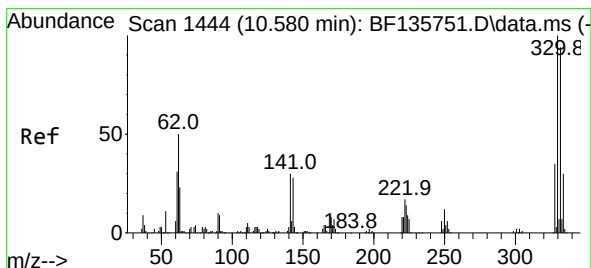
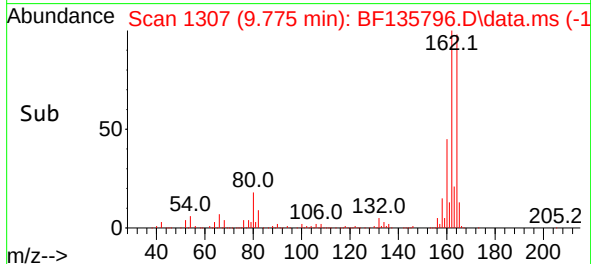
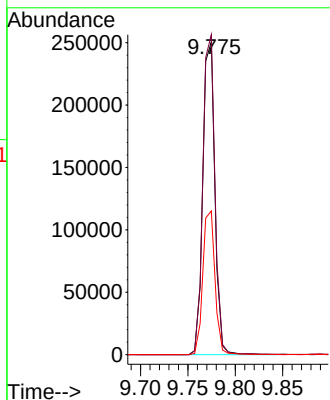
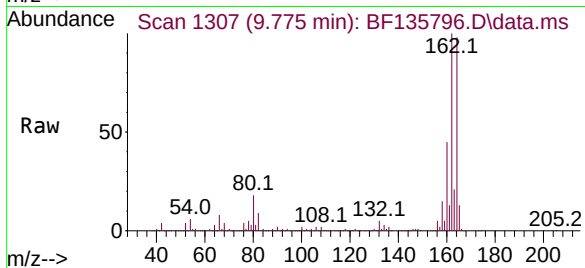
Tgt Ion:164 Resp: 220963

Ion Ratio Lower Upper

164 100

162 102.3 80.8 121.2

160 45.9 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 34.257 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.018 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

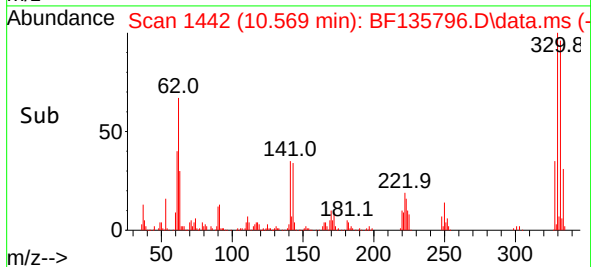
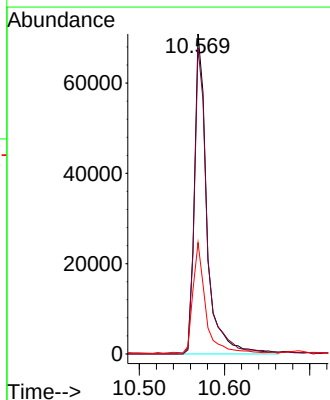
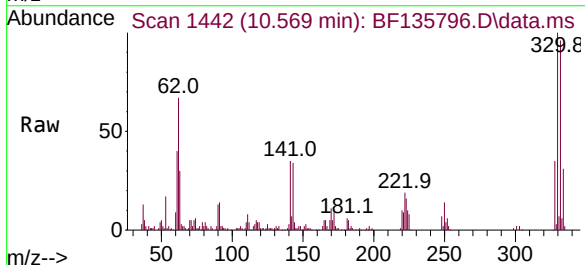
Tgt Ion:330 Resp: 72635

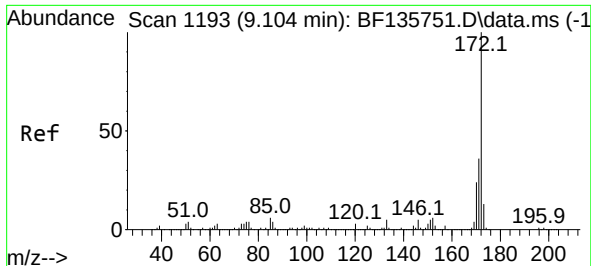
Ion Ratio Lower Upper

330 100

332 98.1 75.0 112.4

141 35.1 25.8 38.6

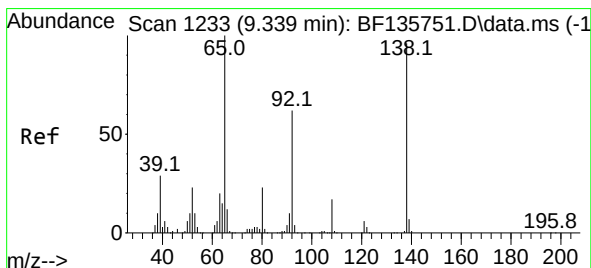
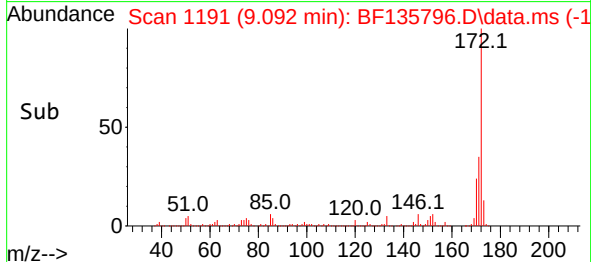
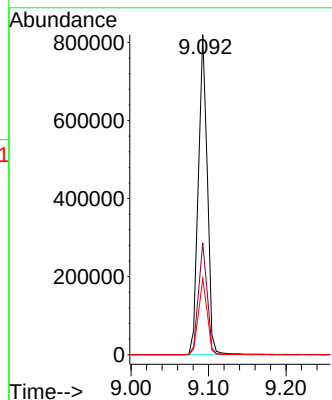
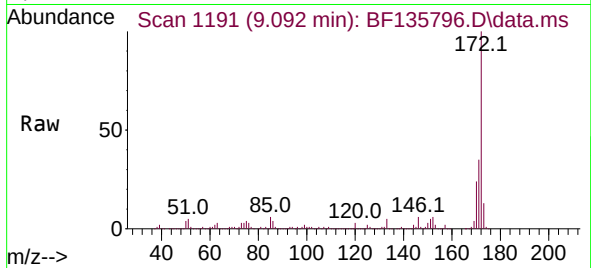




#45
2-Fluorobiphenyl
Concen: 46.792 ng
RT: 9.092 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

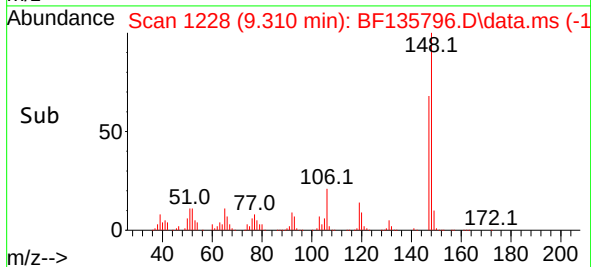
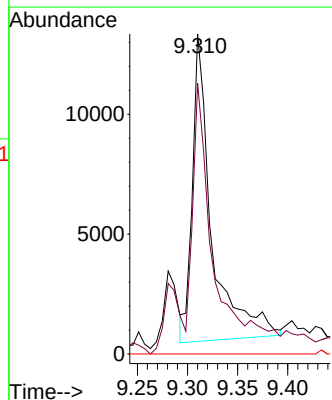
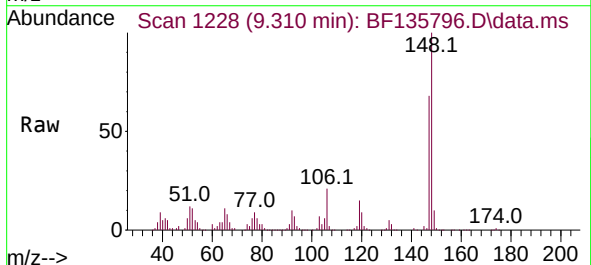
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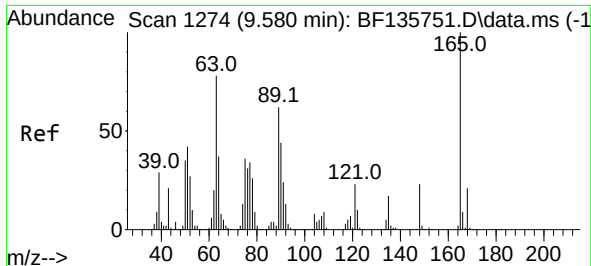
Tgt Ion:172 Resp: 661287
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 18.8 28.2



#48
2-Nitroaniline
Concen: 3.580 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.029 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion: 65 Resp: 17236
Ion Ratio Lower Upper
65 100
92 84.6 49.4 74.0#
138 0.0 76.6 114.8#

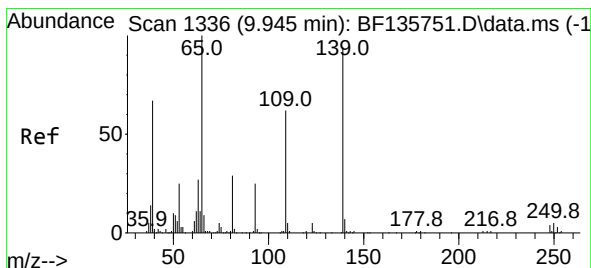
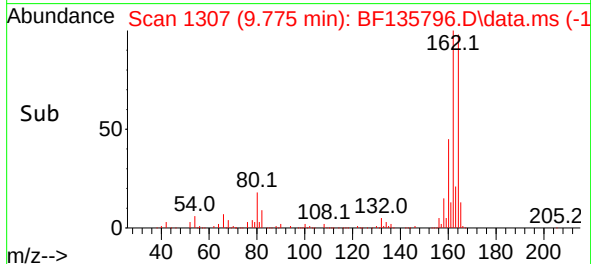
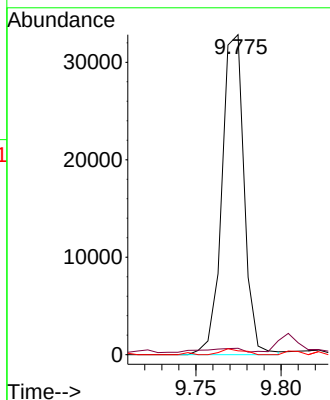
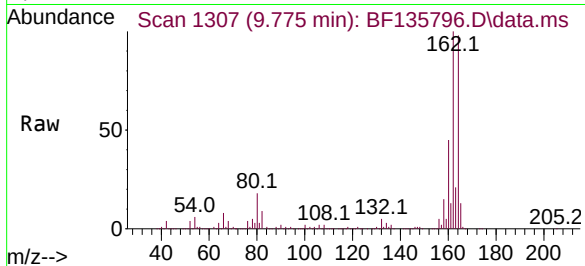




#51
2,6-Dinitrotoluene
Concen: 9.272 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

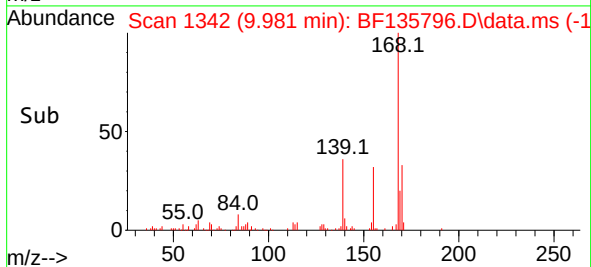
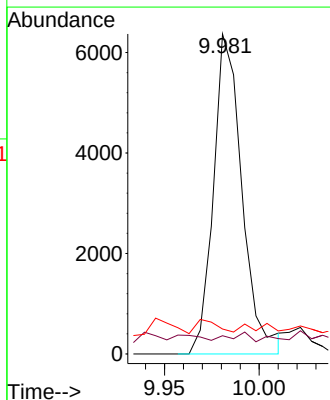
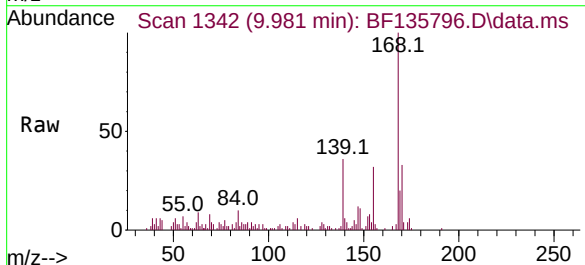
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S-4(0-5)

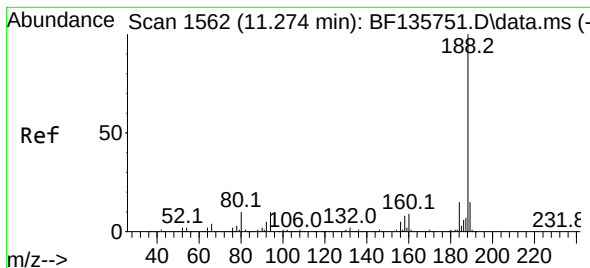
Tgt Ion:165 Resp: 29742
Ion Ratio Lower Upper
165 100
63 2.0 62.2 93.4#
89 1.2 49.6 74.4#



#56
4-Nitrophenol
Concen: 8.951 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.035 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

Tgt Ion:139 Resp: 6691
Ion Ratio Lower Upper
139 100
109 5.7 45.6 85.6#
65 7.8 87.5 127.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

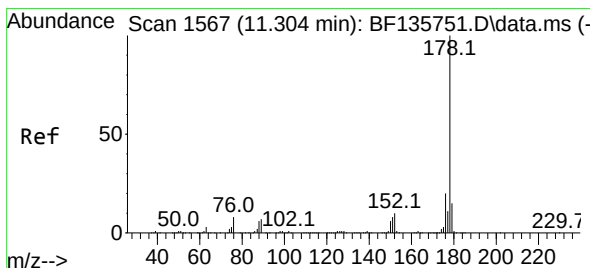
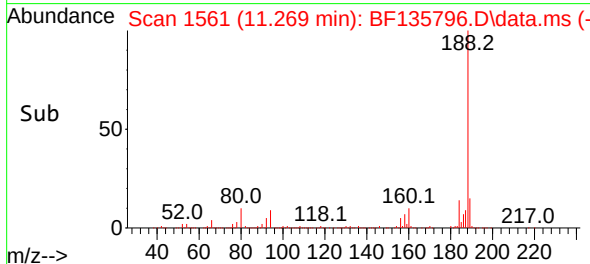
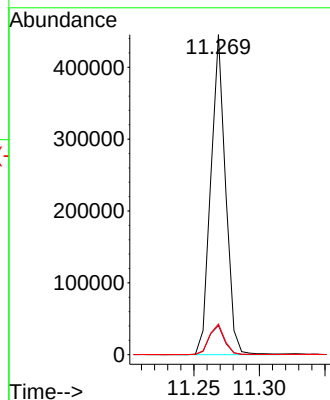
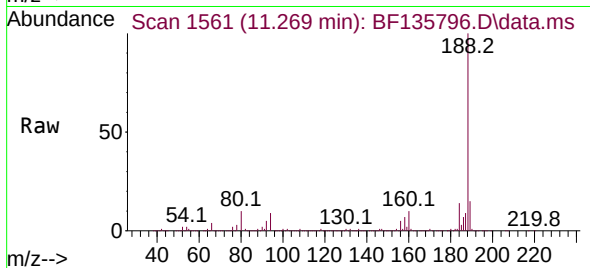
Tgt Ion:188 Resp: 349507

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

80 9.6 8.3 12.5



#71

Phenanthrene

Concen: 11.906 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

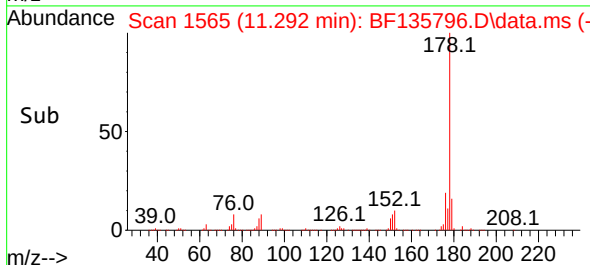
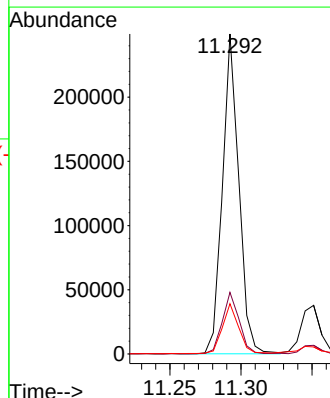
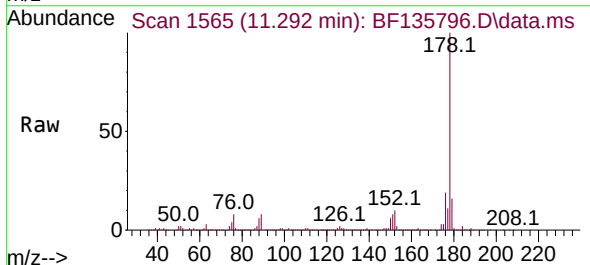
Tgt Ion:178 Resp: 199346

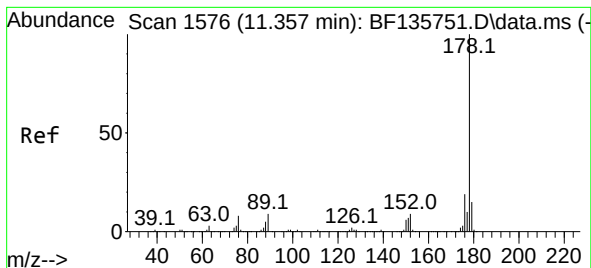
Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

179 15.7 12.2 18.4





#72

Anthracene

Concen: 2.119 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

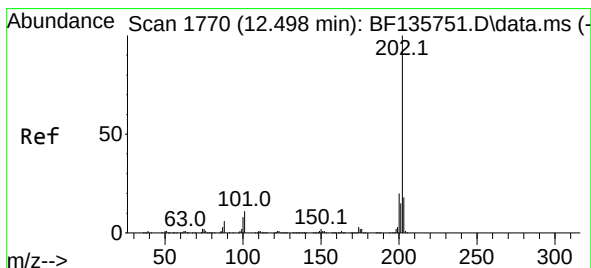
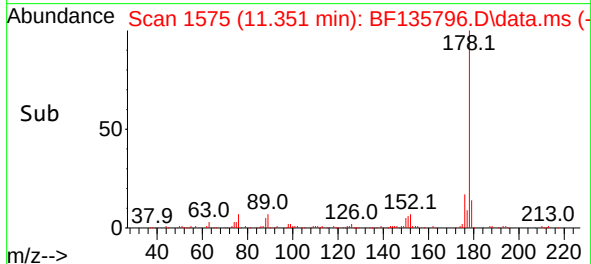
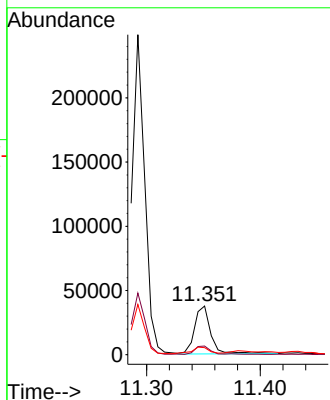
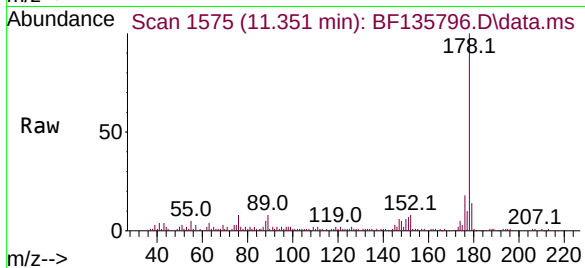
Tgt Ion:178 Resp: 36760

Ion Ratio Lower Upper

178 100

176 17.8 15.1 22.7

179 14.4 12.3 18.5



#75

Fluoranthene

Concen: 10.223 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

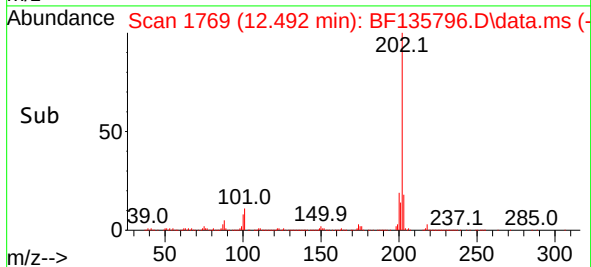
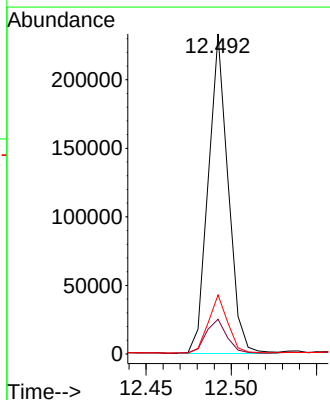
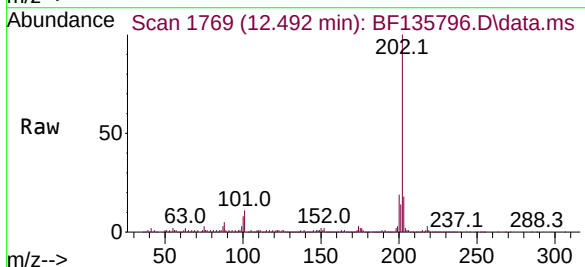
Tgt Ion:202 Resp: 189970

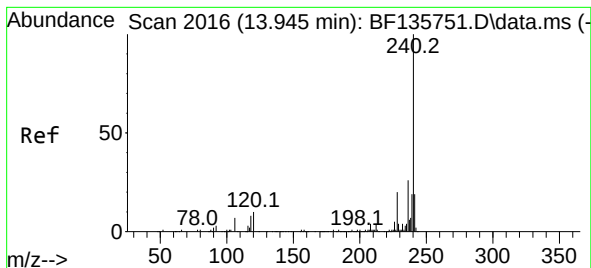
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.5

203 18.5 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

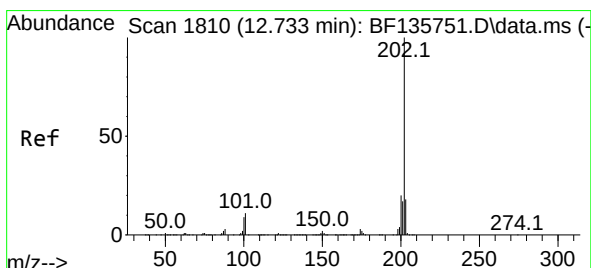
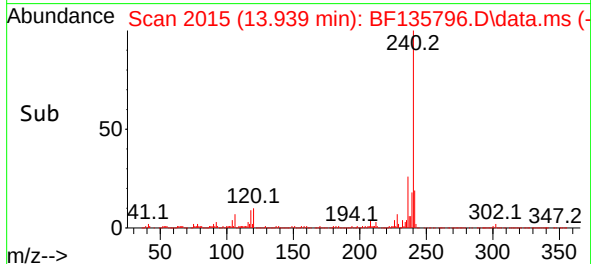
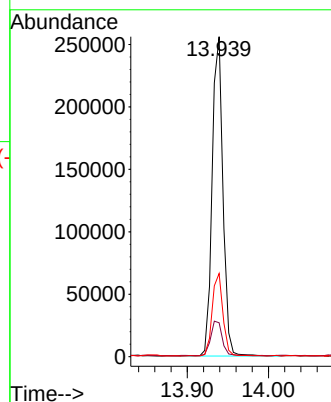
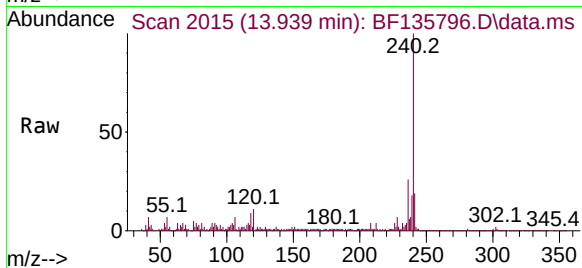
Tgt Ion:240 Resp: 235008

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

236 26.0 21.2 31.8



#78

Pyrene

Concen: 12.713 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

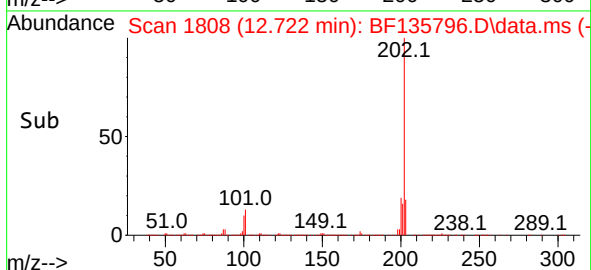
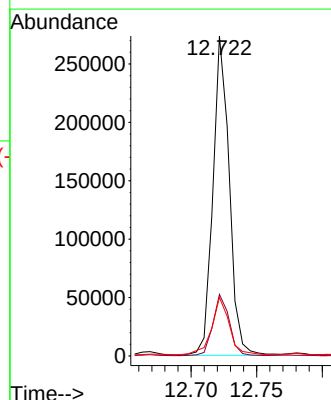
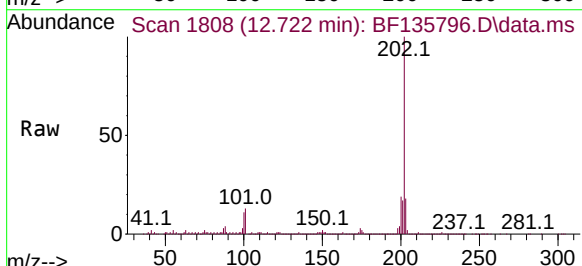
Tgt Ion:202 Resp: 237413

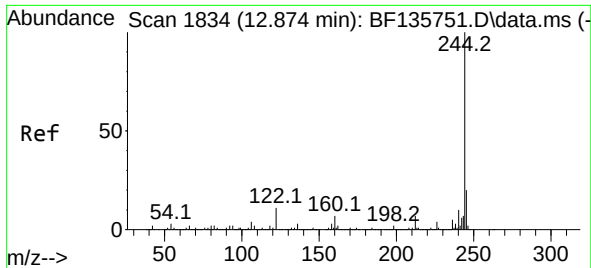
Ion Ratio Lower Upper

202 100

200 19.3 16.1 24.1

203 18.3 14.2 21.2

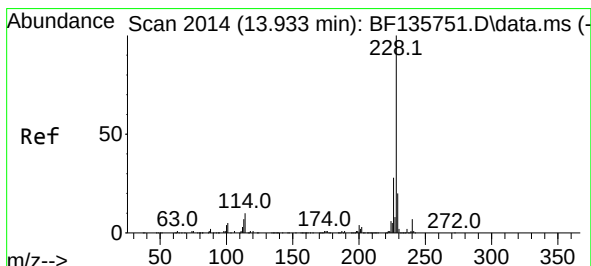
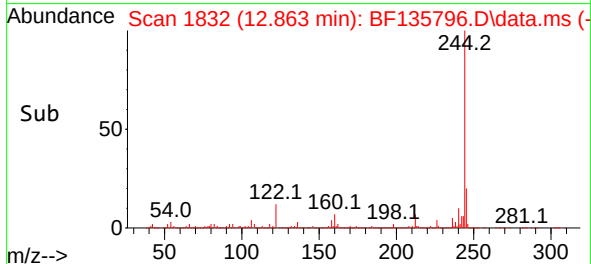
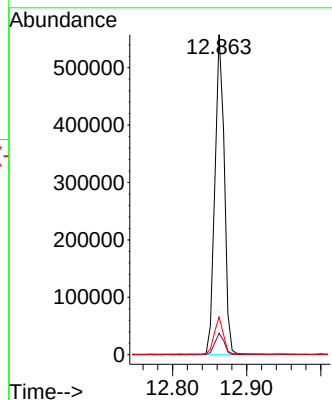
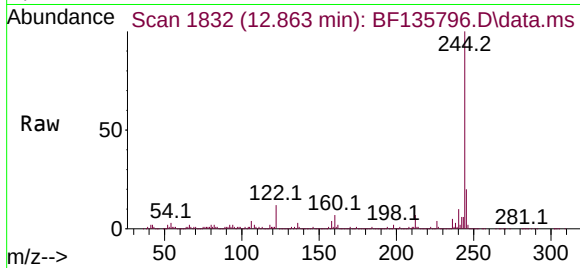




#79
 Terphenyl-d14
 Concen: 38.570 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135796.D
 Acq: 17 Oct 2023 01:28

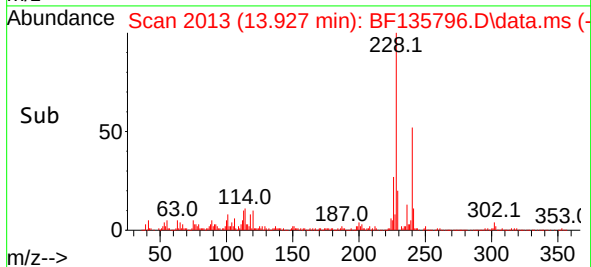
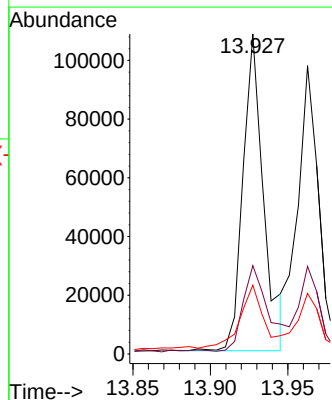
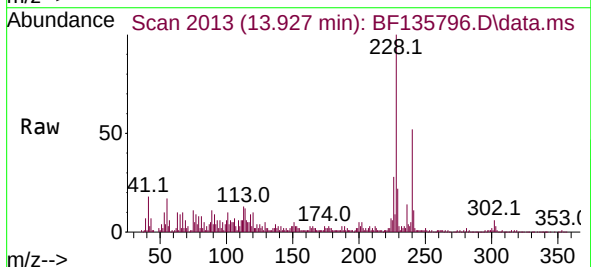
Instrument :
 BNA_F
 ClientSampleId :
 S-4(0-5)

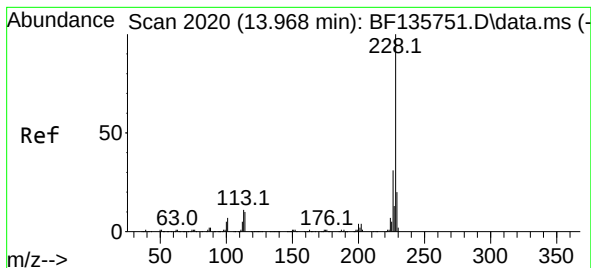
Tgt Ion:244 Resp: 489460
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.8 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 6.457 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135796.D
 Acq: 17 Oct 2023 01:28

Tgt Ion:228 Resp: 99668
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.2 33.2
 229 21.5 16.1 24.1





#83

Chrysene

Concen: 6.118 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

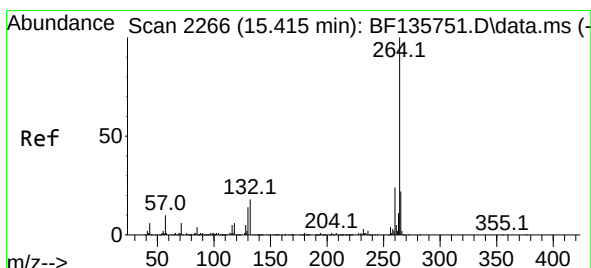
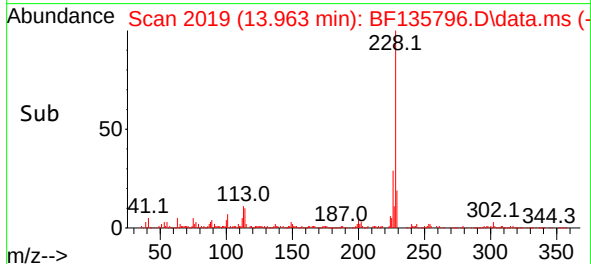
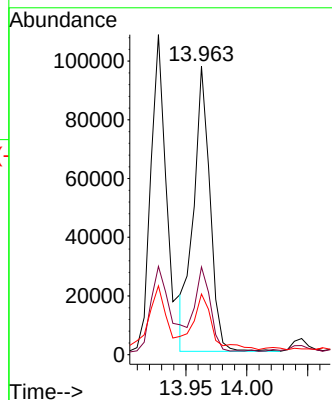
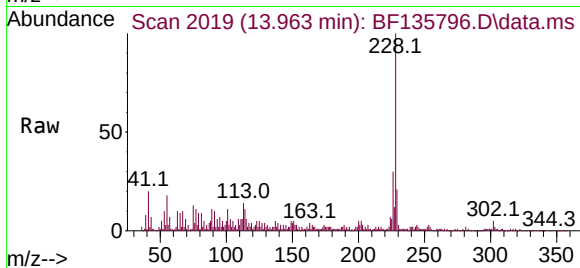
Tgt Ion:228 Resp: 91477

Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 21.0 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

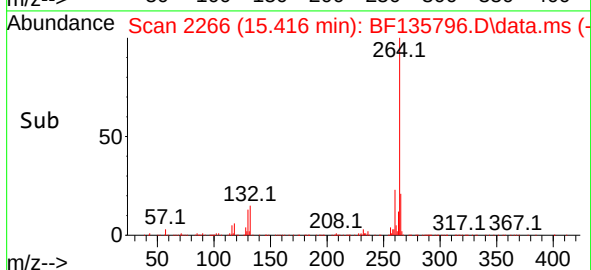
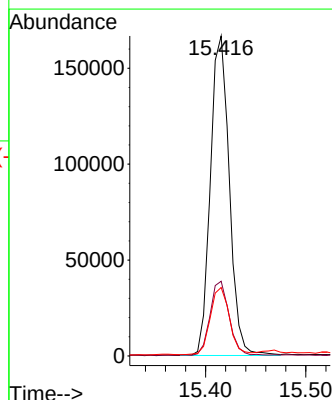
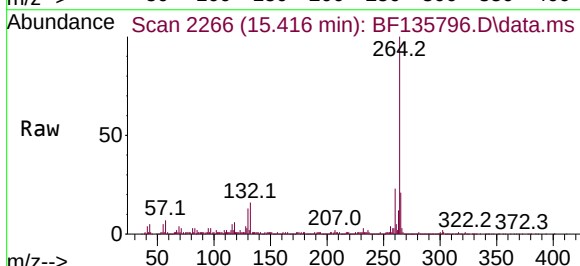
Tgt Ion:264 Resp: 218771

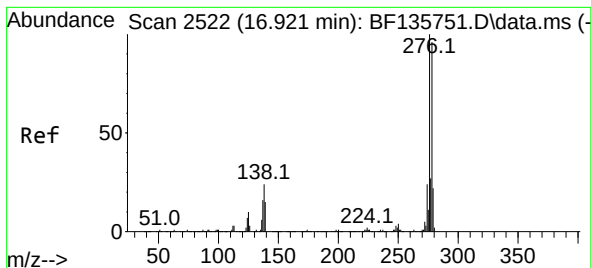
Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.073 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

Instrument :

BNA_F

ClientSampleId :

S-4(0-5)

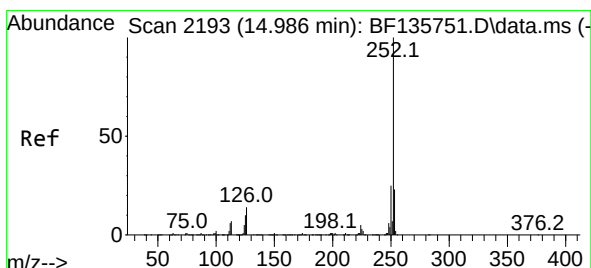
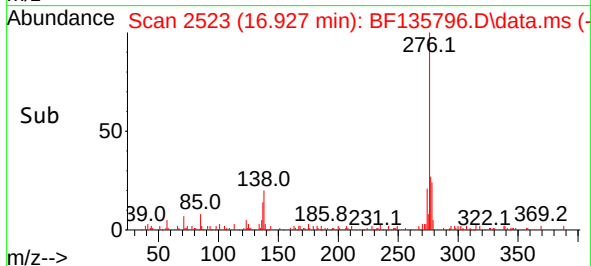
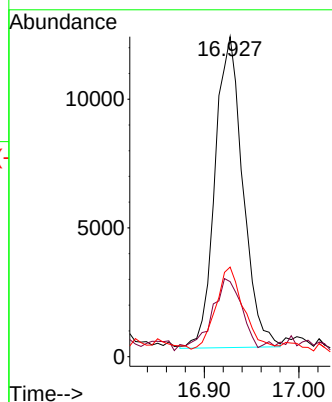
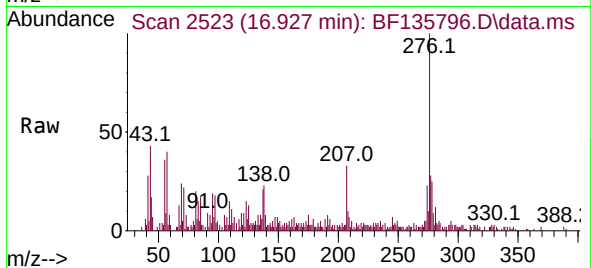
Tgt Ion:276 Resp: 24716

Ion Ratio Lower Upper

276 100

138 25.5 19.8 29.6

277 25.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 8.150 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135796.D

Acq: 17 Oct 2023 01:28

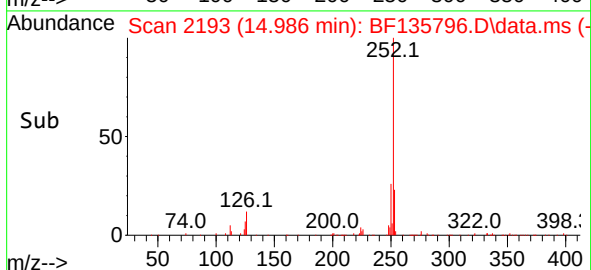
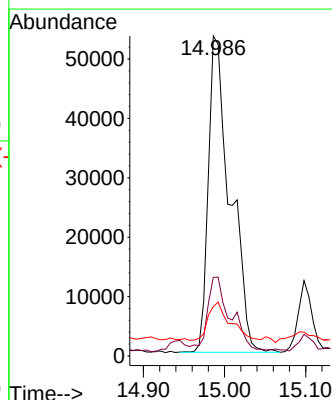
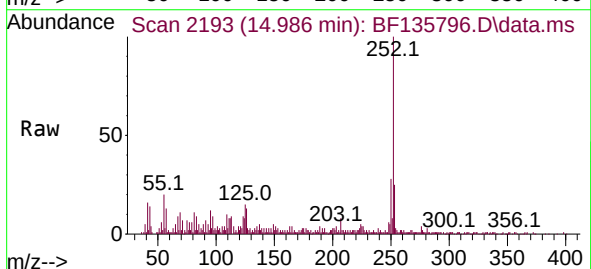
Tgt Ion:252 Resp: 99791

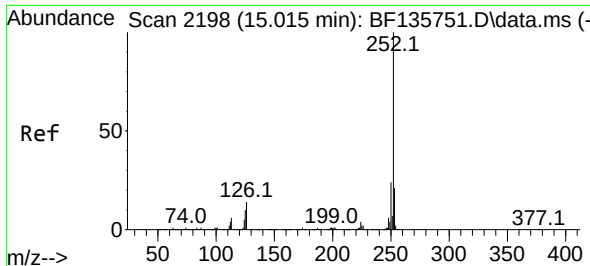
Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.2

125 15.4 8.2 12.2#

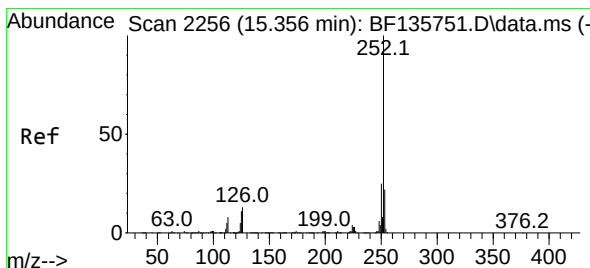
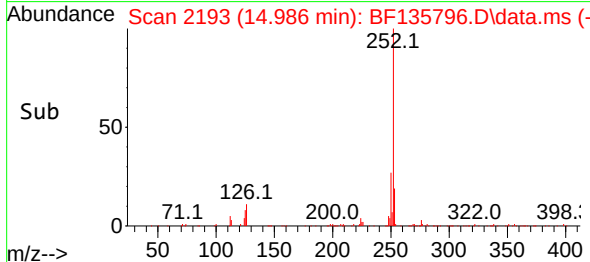
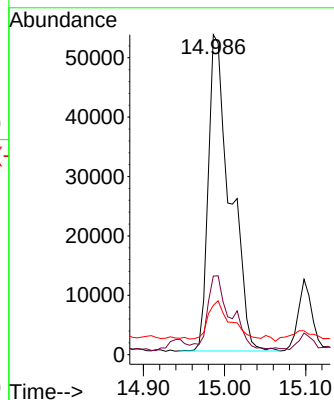
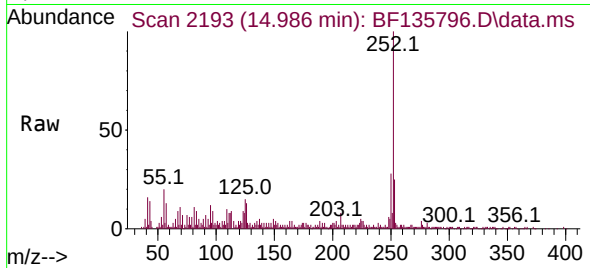




#89
Benzo(k)fluoranthene
Concen: 8.395 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

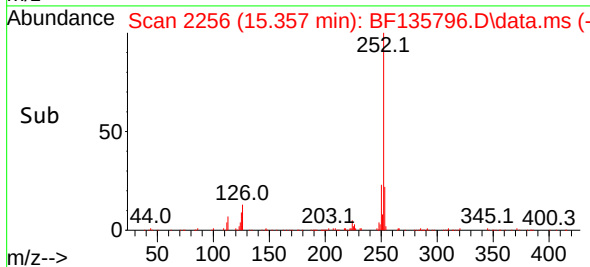
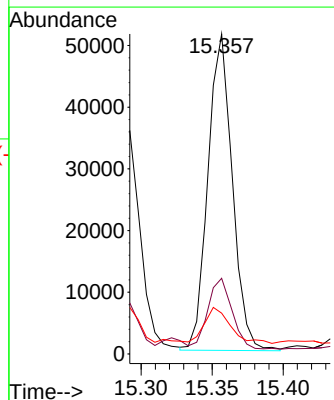
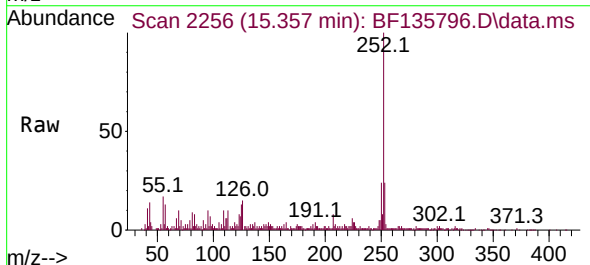
Instrument :
BNA_F
ClientSampleId :
S-4(0-5)

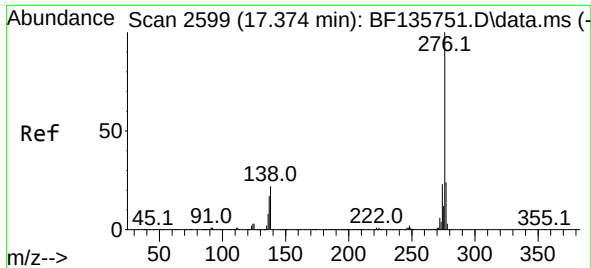
Tgt Ion:252 Resp: 99791
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.0
125 15.4 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 5.325 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF135796.D
Acq: 17 Oct 2023 01:28

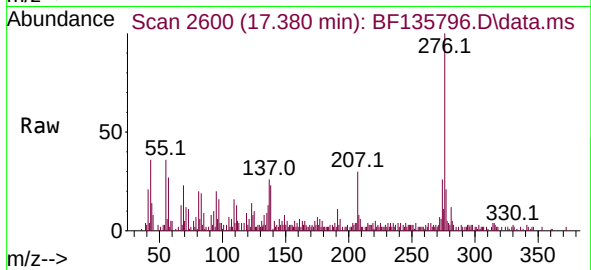
Tgt Ion:252 Resp: 61311
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 12.7 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.520 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF135796.D
 Acq: 17 Oct 2023 01:28

Instrument :
 BNA_F
 ClientSampleId :
 S-4(0-5)



Tgt Ion:	276	Resp:	25292
Ion Ratio	Lower	Upper	
276	100		
277	20.9	19.4	29.2
138	23.0	17.3	25.9

