

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135853.D
 Acq On : 18 Oct 2023 18:11
 Operator : CG\JU
 Sample : 04767-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q-2(5-10)

Quant Time: Oct 19 01:21:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

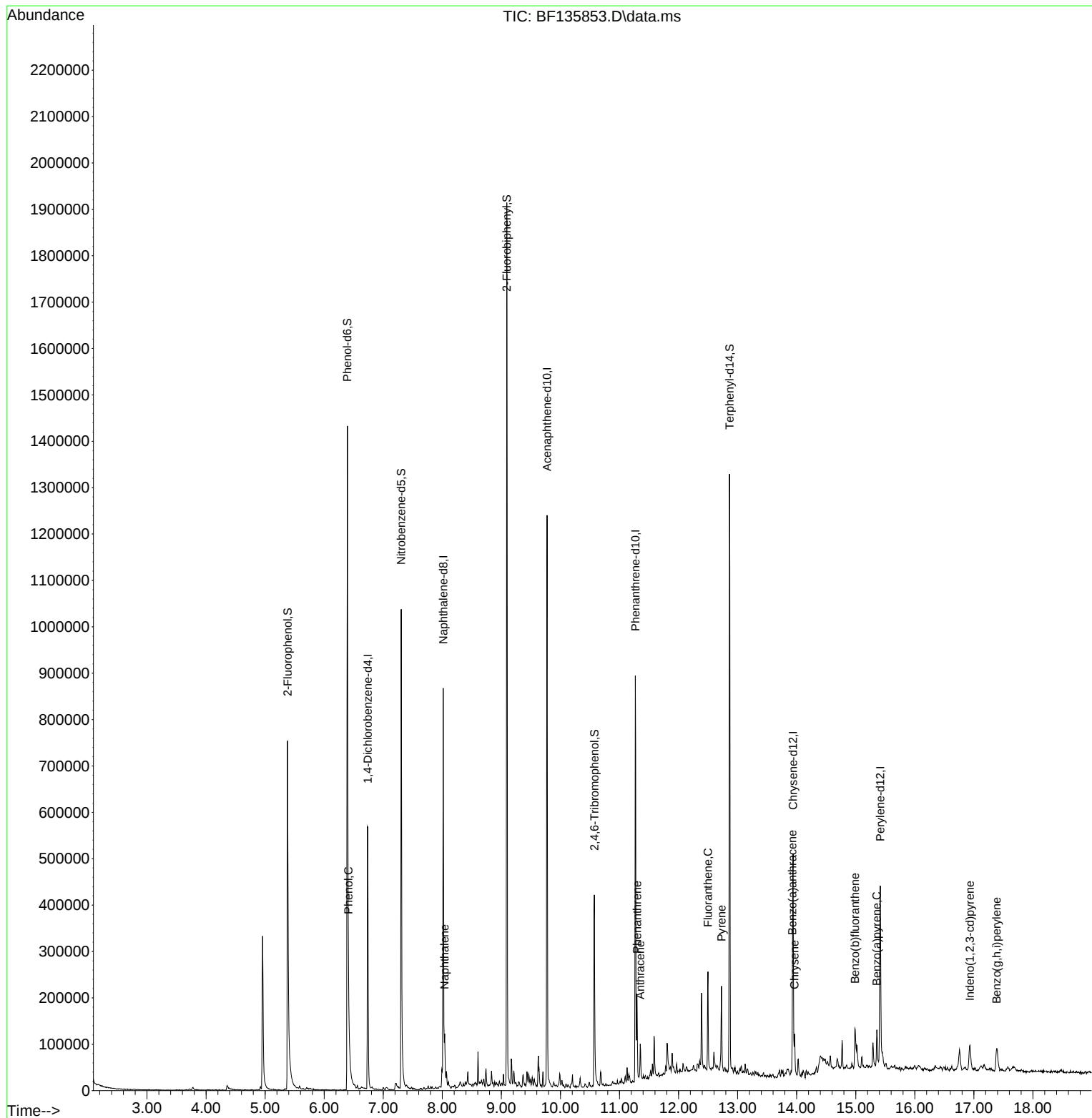
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	94136	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	344921	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	172977	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	321442	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	158615	20.000	ng	-0.01
86) Perylene-d12	15.415	264	201077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	282777	48.296	ng	0.00
7) Phenol-d6	6.393	99	492167	67.368	ng	0.00
23) Nitrobenzene-d5	7.304	82	313134	49.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	55908	33.682	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	560463	50.659	ng	-0.01
79) Terphenyl-d14	12.863	244	453704	52.972	ng	-0.02
Target Compounds						
					Qvalue	
10) Phenol	6.410	94	52298	6.832	ng	# 69
31) Naphthalene	8.039	128	43423	2.581	ng	99
71) Phenanthrene	11.298	178	76580	4.973	ng	100
72) Anthracene	11.351	178	32428	2.032	ng	98
75) Fluoranthene	12.498	202	90398	5.289	ng	96
78) Pyrene	12.727	202	75893	6.021	ng	99
81) Benzo(a)anthracene	13.927	228	32650	3.134	ng	99
83) Chrysene	13.963	228	34127	3.382	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	40004	3.651	ng	97
88) Benzo(b)fluoranthene	14.986	252	49793	4.425	ng	99
90) Benzo(a)pyrene	15.357	252	38854	3.672	ng	99
92) Benzo(g,h,i)perylene	17.386	276	47673	5.167	ng	99

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

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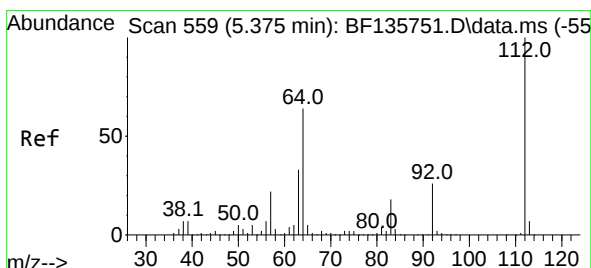
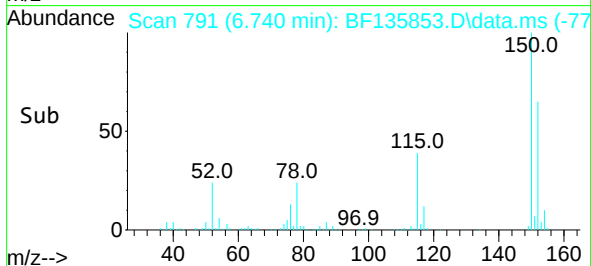
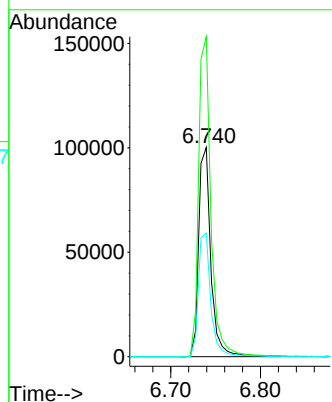
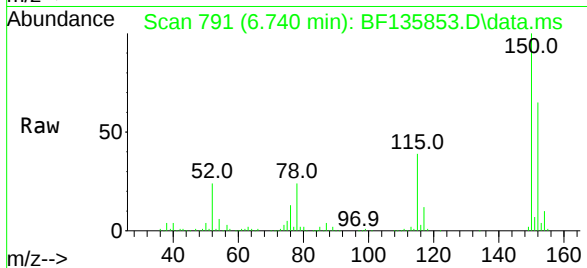




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

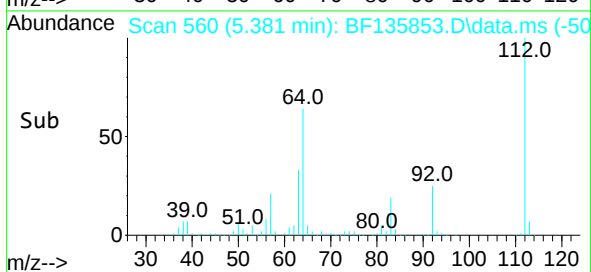
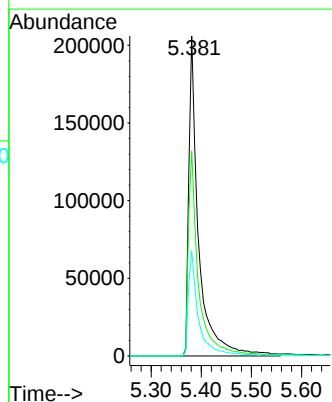
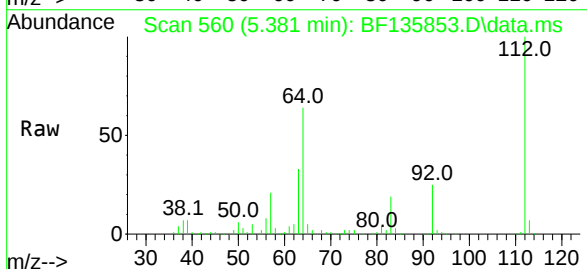
Instrument :
BNA_F
ClientSampleId :
Q-2(5-10)

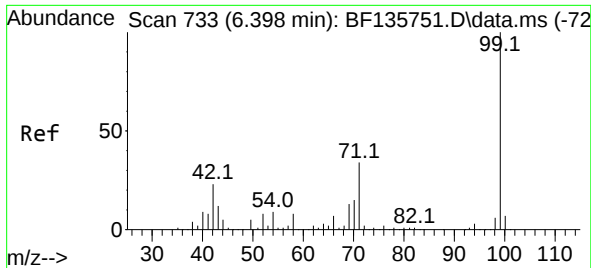
Tgt Ion:152 Resp: 94136
Ion Ratio Lower Upper
152 100
150 152.9 124.5 186.7
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 48.296 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion:112 Resp: 282777
Ion Ratio Lower Upper
112 100
64 64.0 51.2 76.8
63 32.9 26.1 39.1

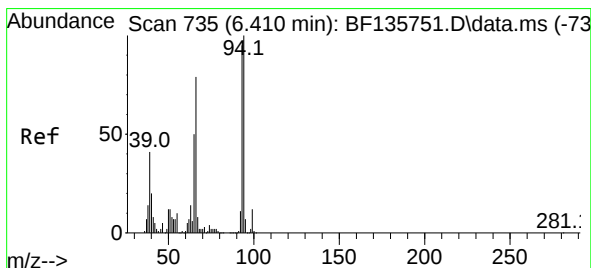
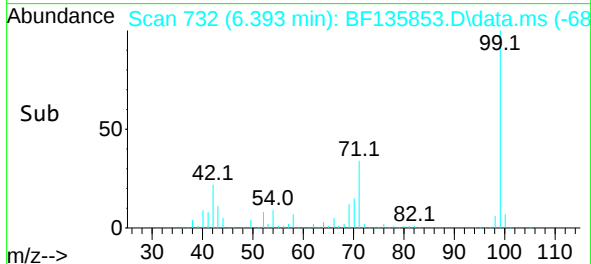
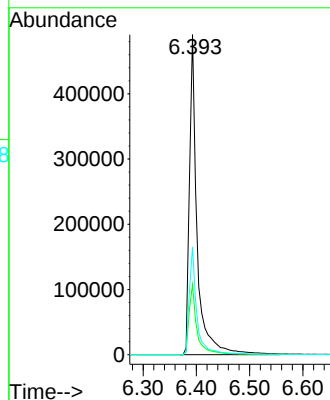
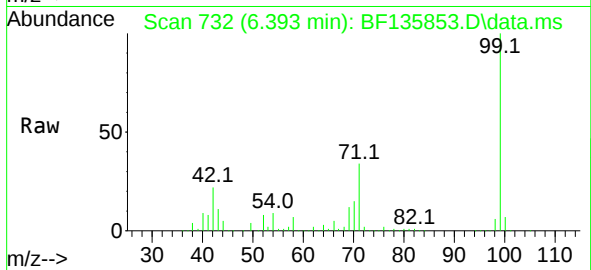




#7
Phenol-d6
Concen: 67.368 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

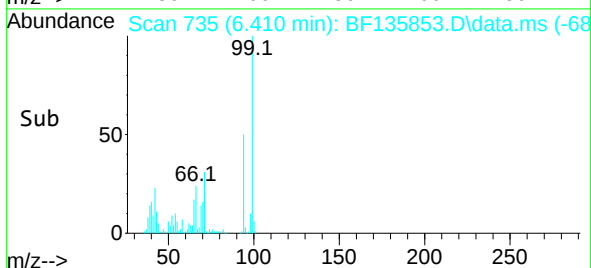
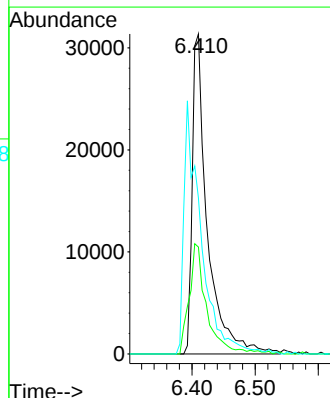
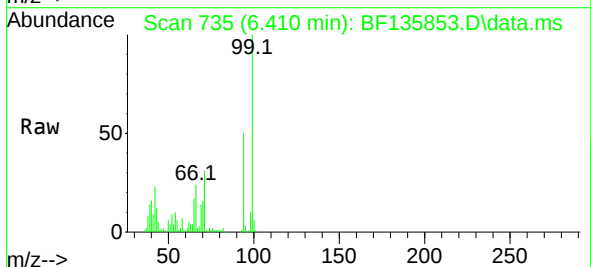
Instrument :
BNA_F
ClientSampleId :
Q-2(5-10)

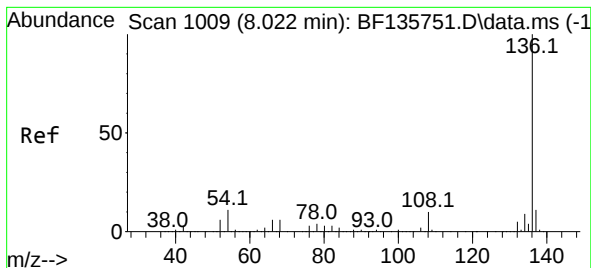
Tgt Ion: 99 Resp: 492167
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 33.6 27.2 40.8



#10
Phenol
Concen: 6.832 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion: 94 Resp: 52298
Ion Ratio Lower Upper
94 100
65 33.4 30.3 70.3
66 48.7 59.1 99.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1009

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

Q-2(5-10)

Tgt Ion:136 Resp: 344921

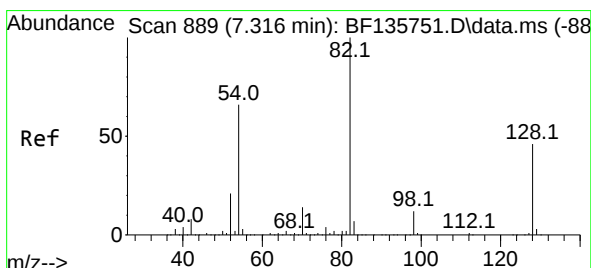
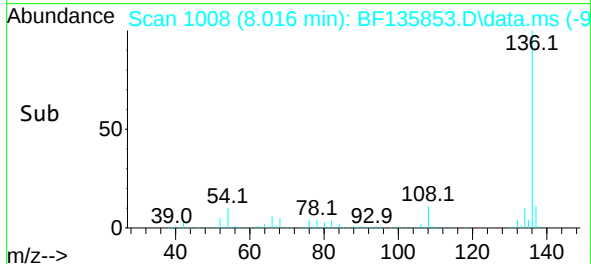
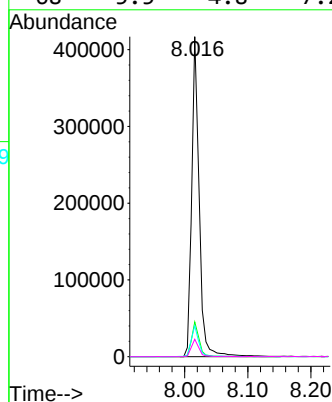
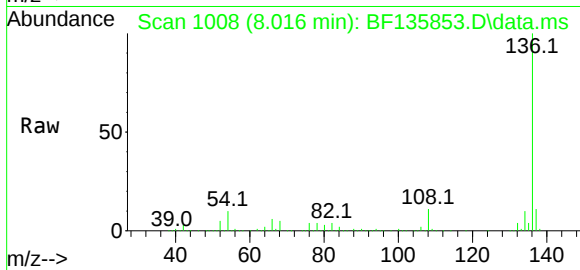
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 9.7 8.5 12.7

68 5.5 4.8 7.2



#23

Nitrobenzene-d5

Concen: 49.931 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

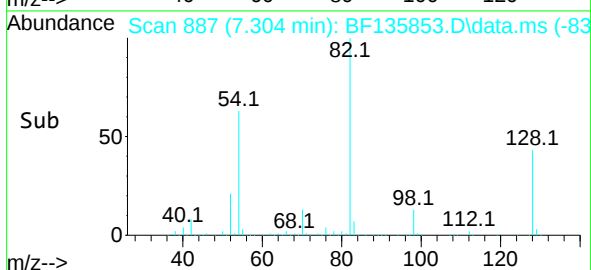
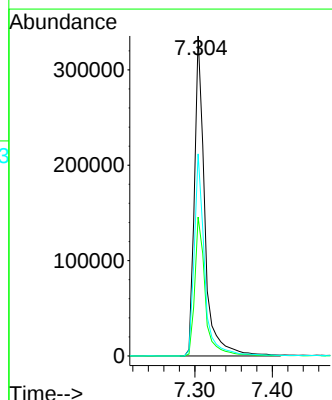
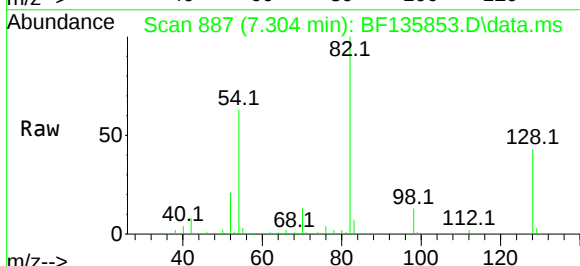
Tgt Ion: 82 Resp: 313134

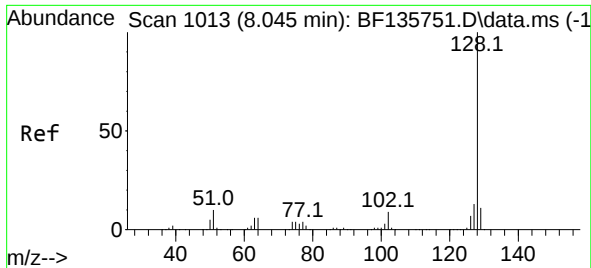
Ion Ratio Lower Upper

82 100

128 43.4 37.0 55.6

54 63.2 52.8 79.2

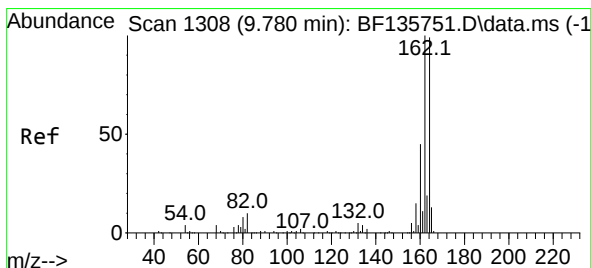
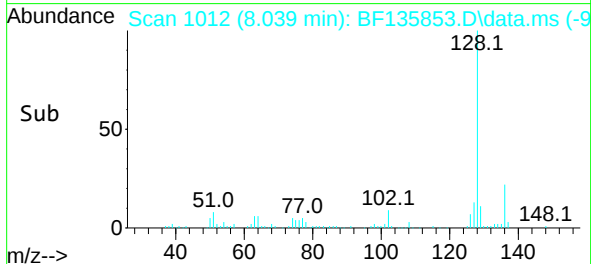
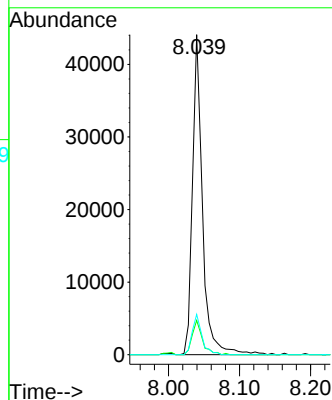
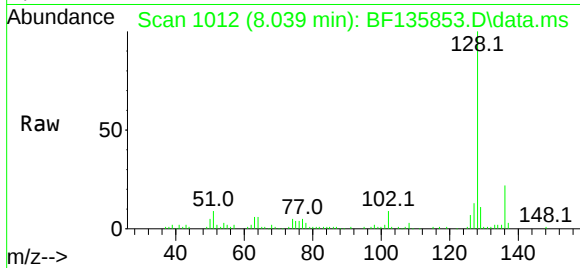




#31
Naphthalene
Concen: 2.581 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

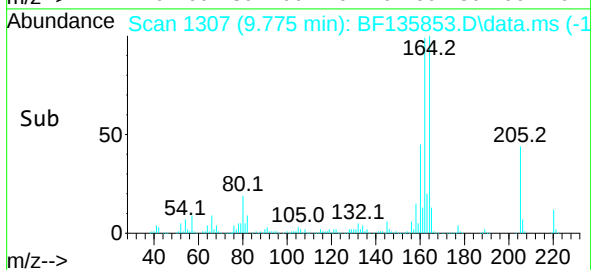
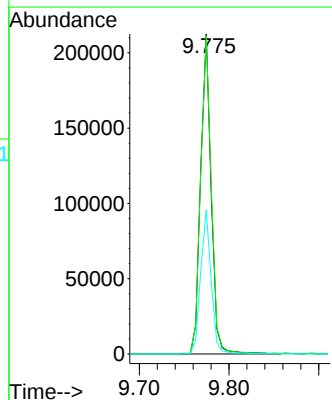
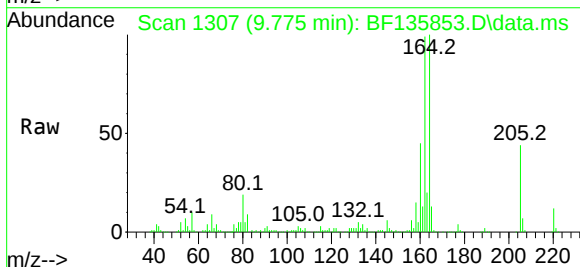
Instrument :
BNA_F
ClientSampleId :
Q-2(5-10)

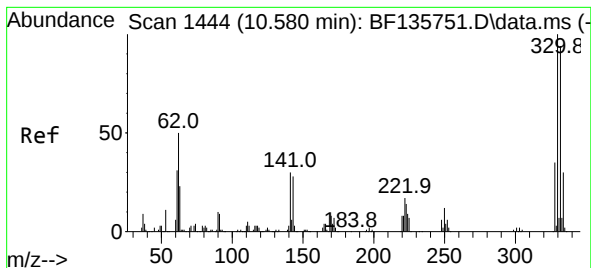
Tgt Ion:128 Resp: 43423
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.6 10.2 15.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion:164 Resp: 172977
Ion Ratio Lower Upper
164 100
162 99.5 80.8 121.2
160 45.0 36.6 54.8

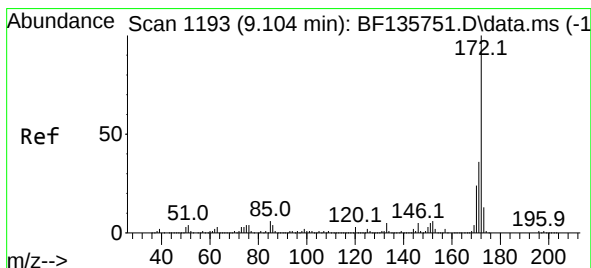
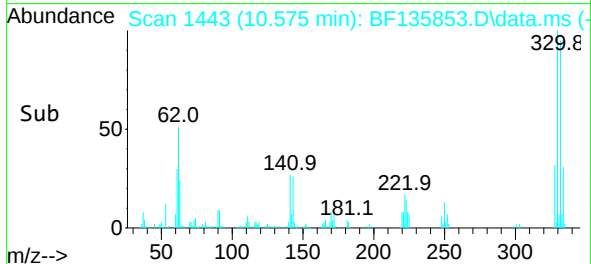
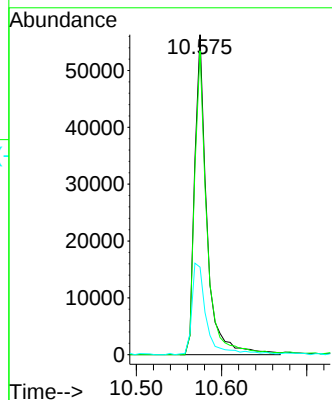
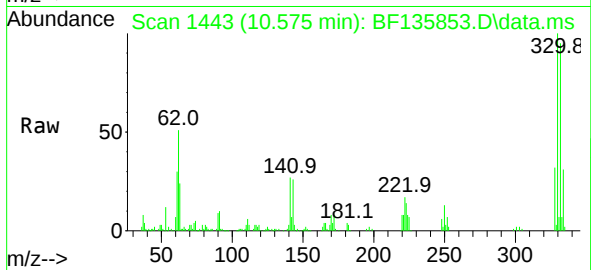




#42
2,4,6-Tribromophenol
Concen: 33.682 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

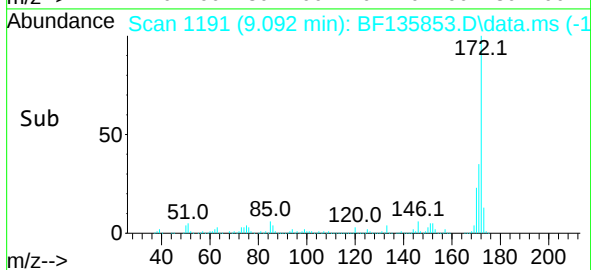
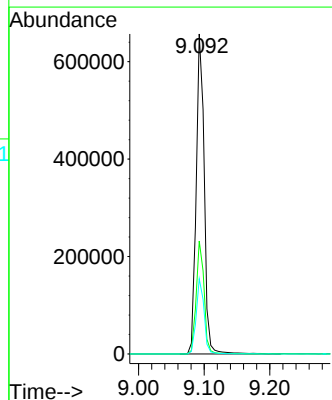
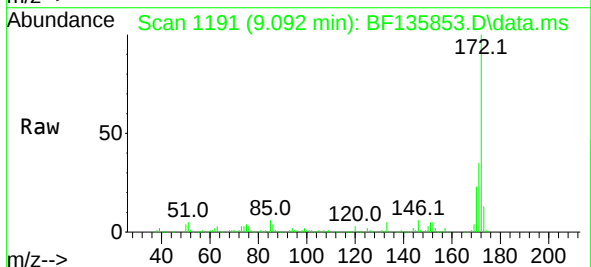
Instrument :
BNA_F
ClientSampleId :
Q-2(5-10)

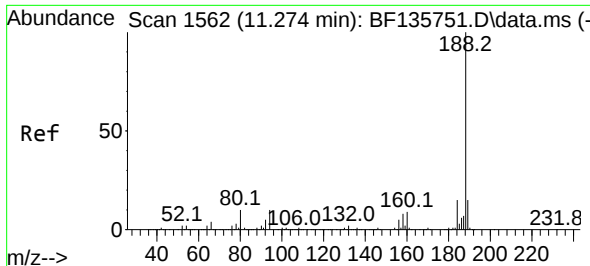
Tgt Ion: 330 Resp: 55908
Ion Ratio Lower Upper
330 100
332 95.5 75.0 112.4
141 34.5 25.8 38.6



#45
2-Fluorobiphenyl
Concen: 50.659 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion: 172 Resp: 560463
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.5 18.8 28.2

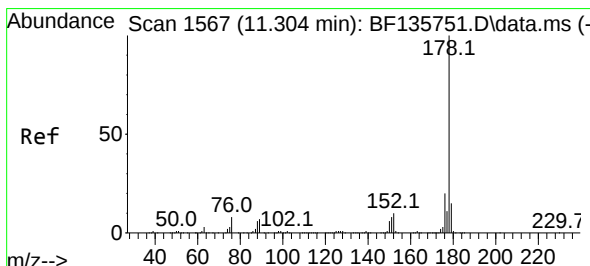
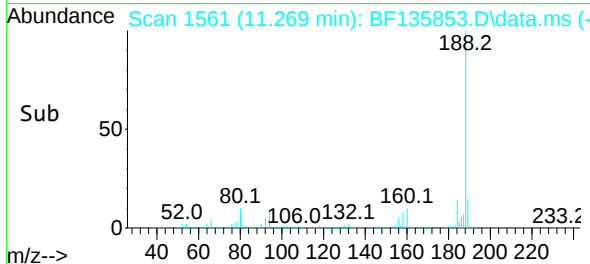
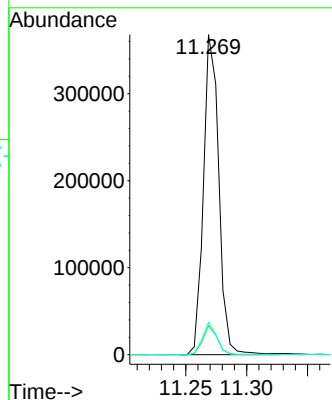
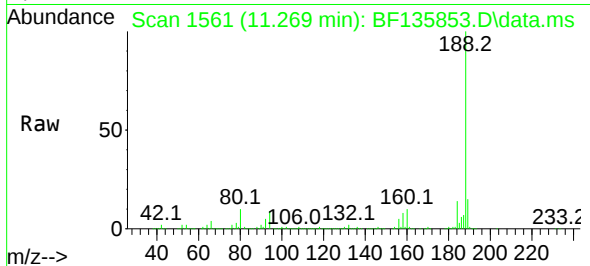




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

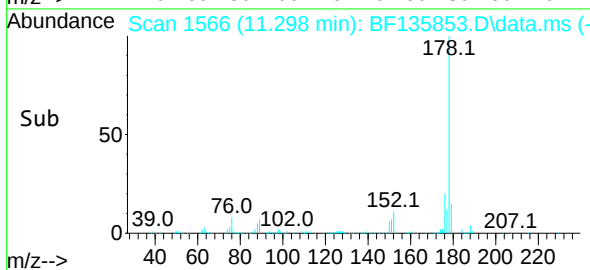
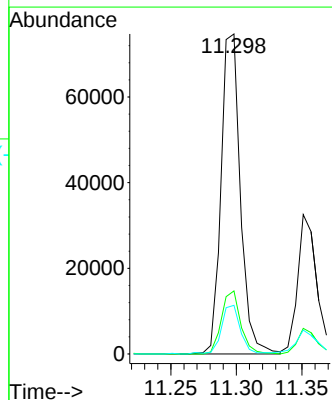
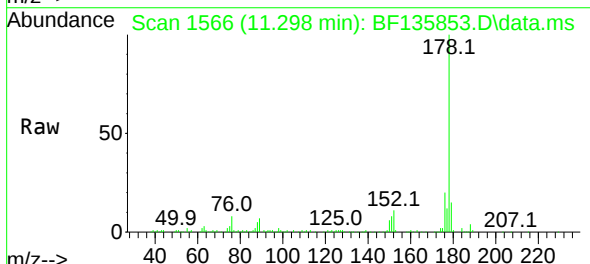
Instrument :
BNA_F
ClientSampleId :
Q-2(5-10)

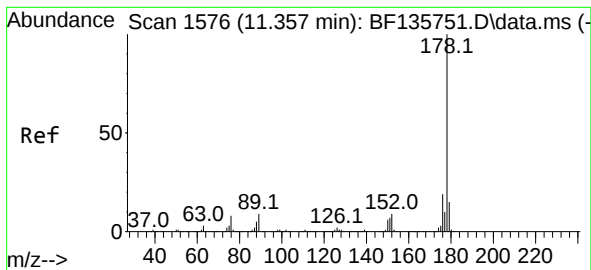
Tgt Ion:188 Resp: 321442
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 10.1 8.3 12.5



#71
Phenanthrene
Concen: 4.973 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135853.D
Acq: 18 Oct 2023 18:11

Tgt Ion:178 Resp: 76580
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.2 12.2 18.4





#72

Anthracene

Concen: 2.032 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

Q-2(5-10)

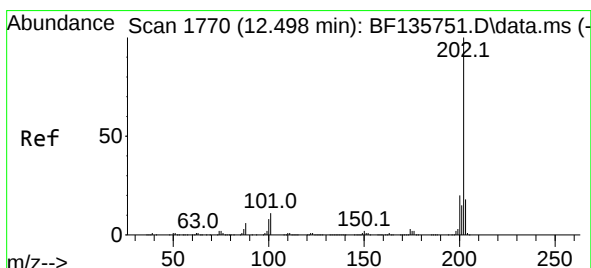
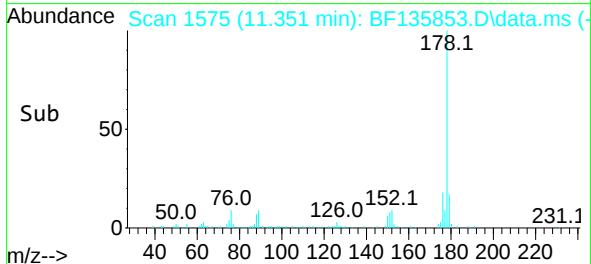
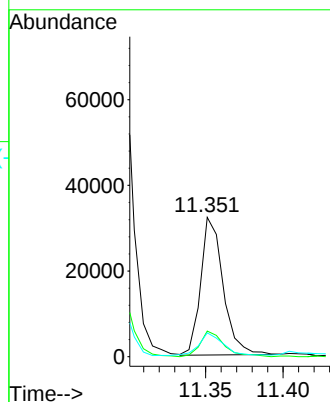
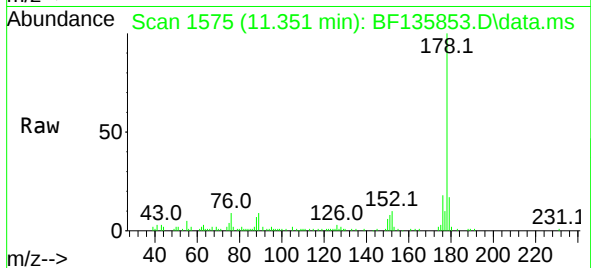
Tgt Ion:178 Resp: 32428

Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 17.1 12.3 18.5



#75

Fluoranthene

Concen: 5.289 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

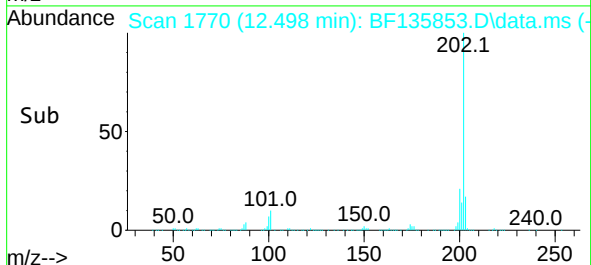
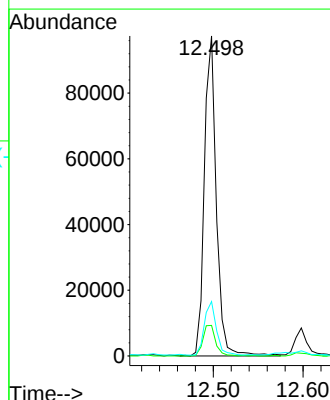
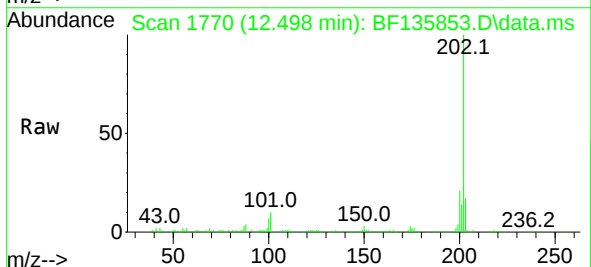
Tgt Ion:202 Resp: 90398

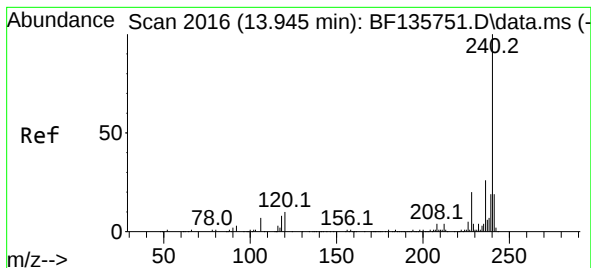
Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.5

203 17.0 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

Q-2(5-10)

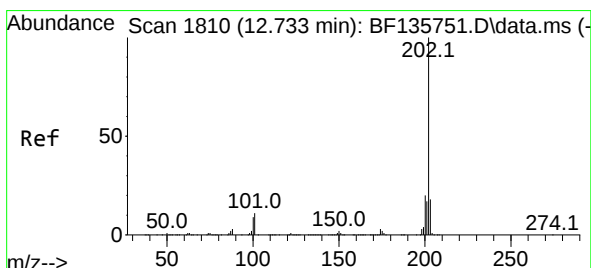
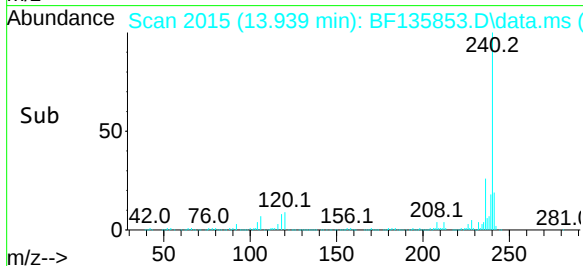
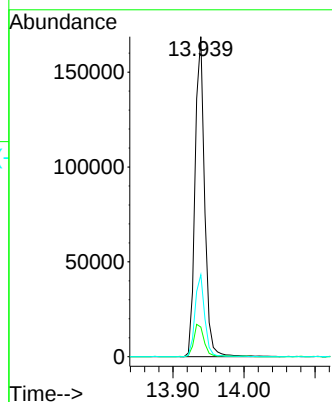
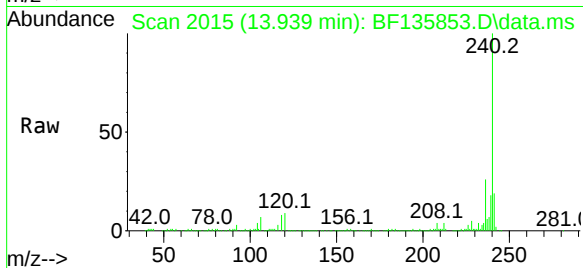
Tgt Ion:240 Resp: 158615

Ion Ratio Lower Upper

240 100

120 9.2 8.2 12.2

236 25.6 21.2 31.8



#78

Pyrene

Concen: 6.021 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

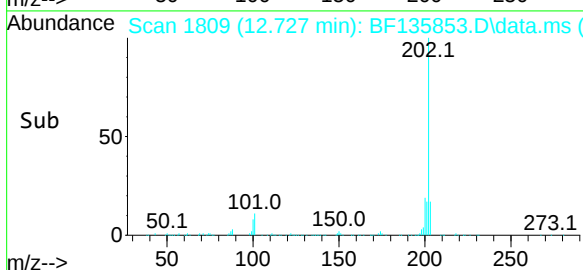
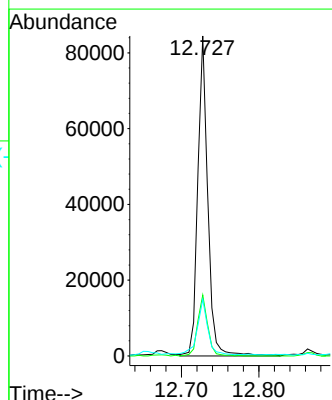
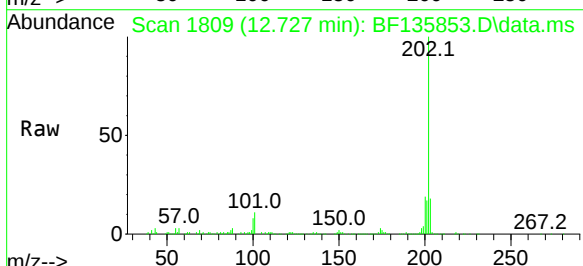
Tgt Ion:202 Resp: 75893

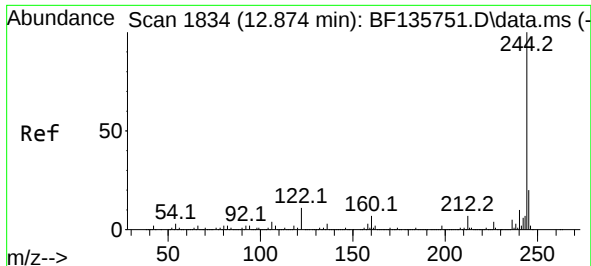
Ion Ratio Lower Upper

202 100

200 19.1 16.1 24.1

203 17.7 14.2 21.2

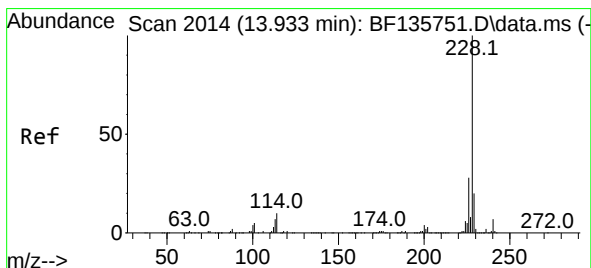
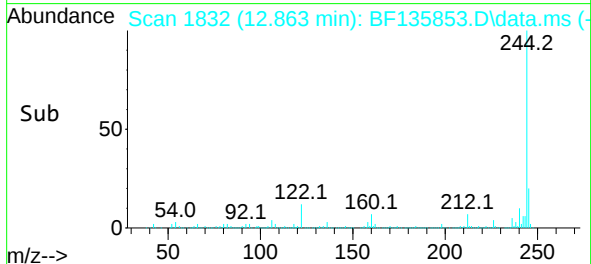
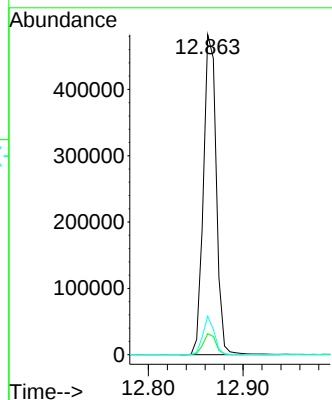
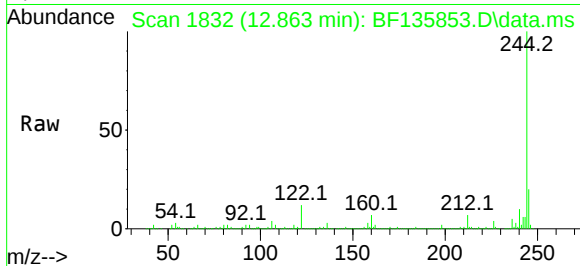




#79
 Terphenyl-d14
 Concen: 52.972 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF135853.D
 Acq: 18 Oct 2023 18:11

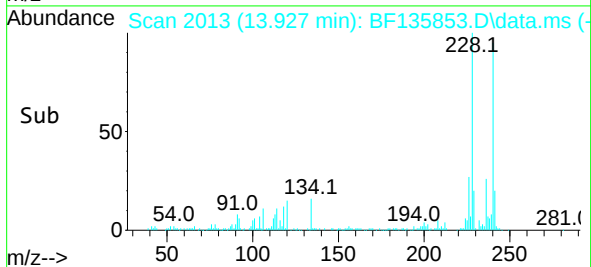
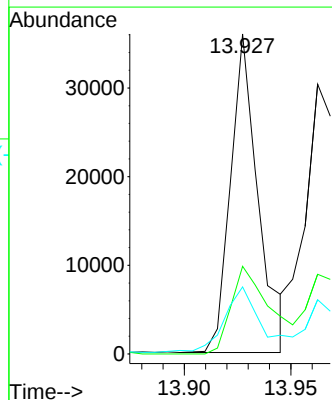
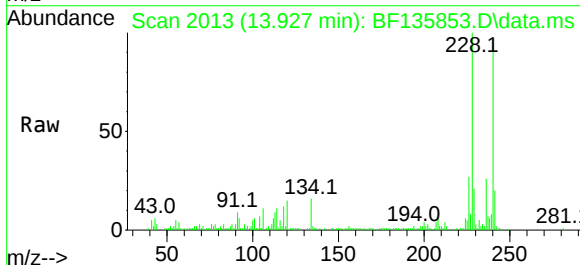
Instrument :
 BNA_F
 ClientSampleId :
 Q-2(5-10)

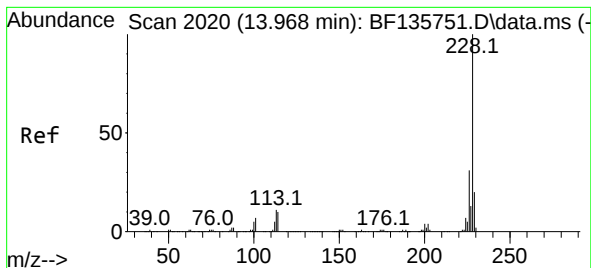
Tgt Ion:244 Resp: 453704
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 12.0 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 3.134 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135853.D
 Acq: 18 Oct 2023 18:11

Tgt Ion:228 Resp: 32650
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.2 33.2
 229 21.0 16.1 24.1





#83

Chrysene

Concen: 3.382 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

Q-2(5-10)

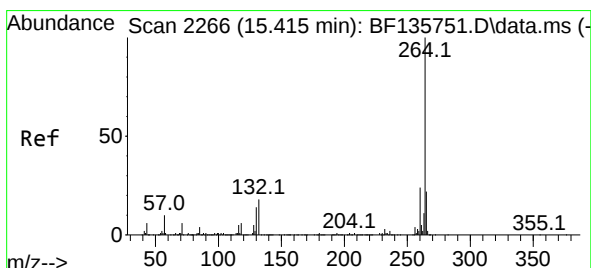
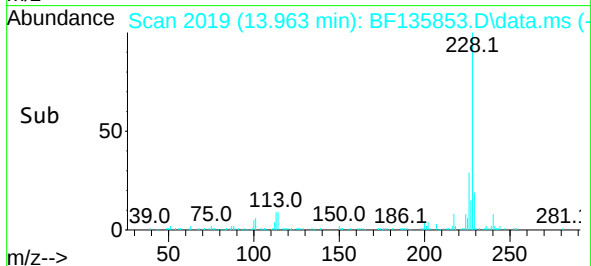
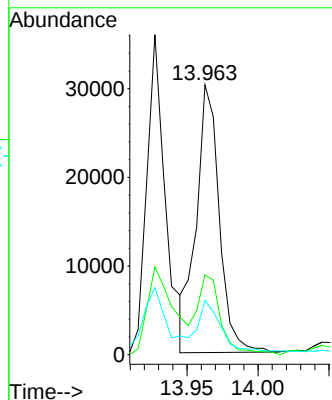
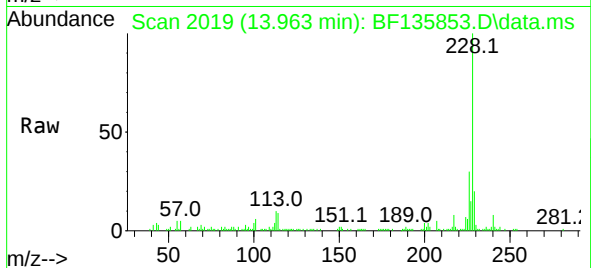
Tgt Ion:228 Resp: 34127

Ion Ratio Lower Upper

228 100

226 29.5 24.4 36.6

229 20.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

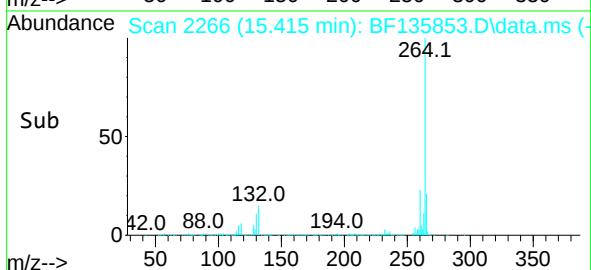
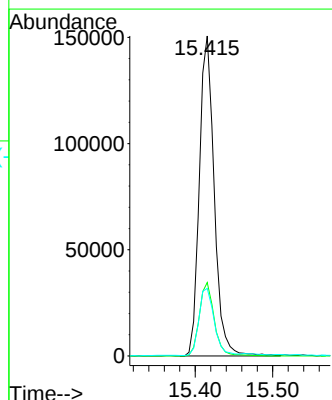
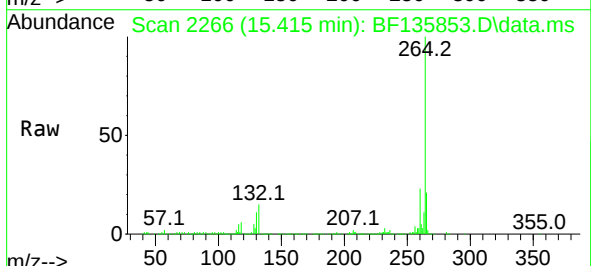
Tgt Ion:264 Resp: 201077

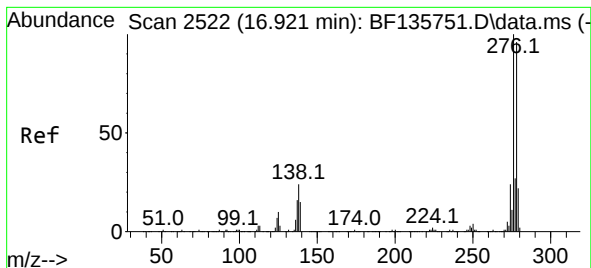
Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 21.1 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.651 ng

RT: 16.933 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

Q-2(5-10)

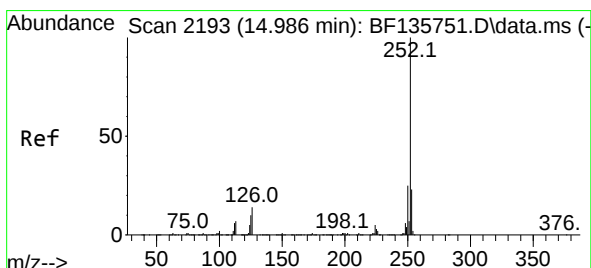
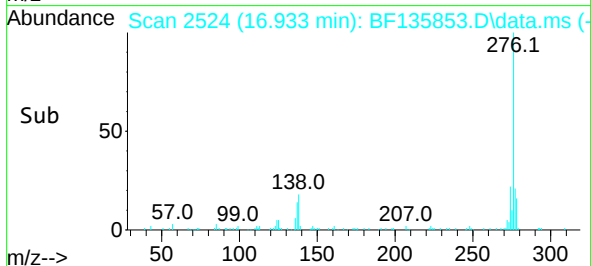
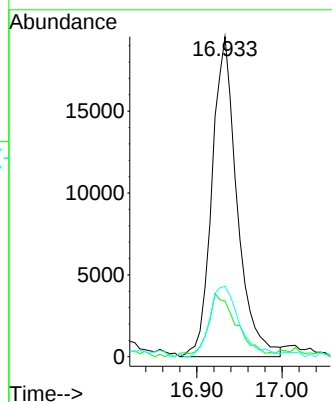
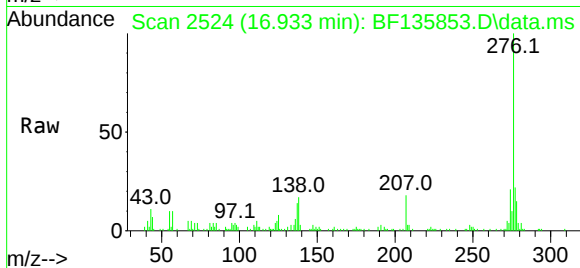
Tgt Ion:276 Resp: 40004

Ion Ratio Lower Upper

276 100

138 23.0 19.8 29.6

277 26.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 4.425 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

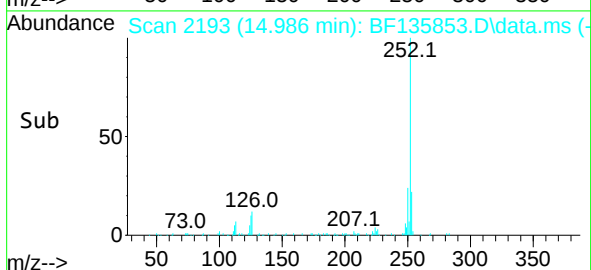
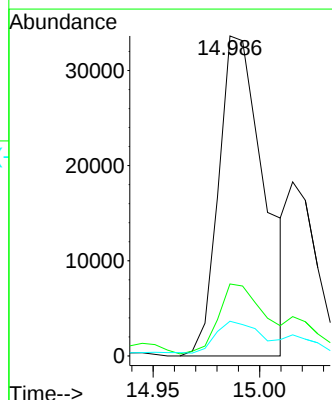
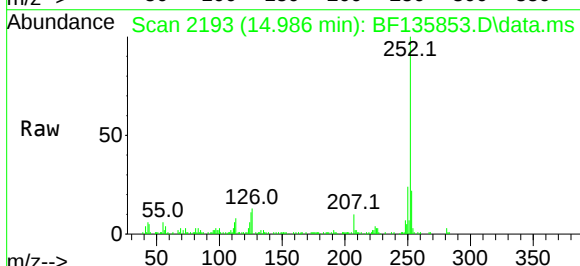
Tgt Ion:252 Resp: 49793

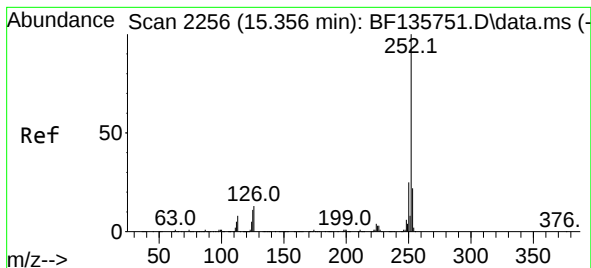
Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 10.8 8.2 12.2





#90

Benzo(a)pyrene

Concen: 3.672 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Instrument :

BNA_F

ClientSampleId :

Q-2(5-10)

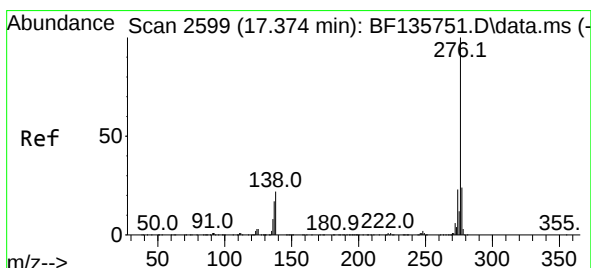
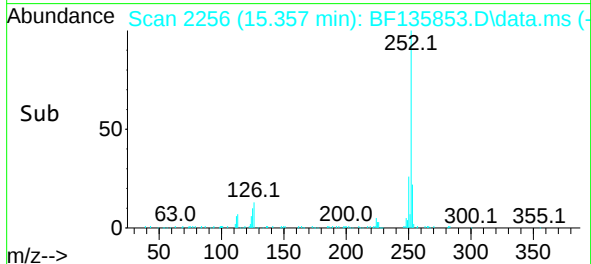
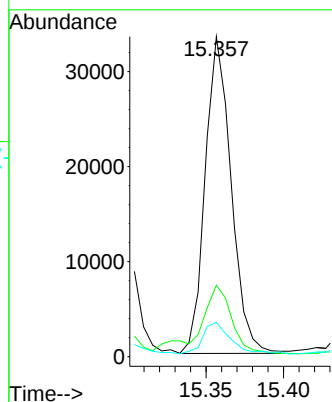
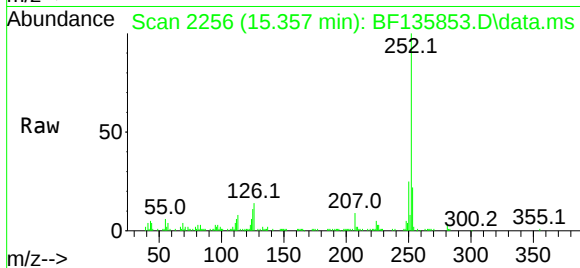
Tgt Ion:252 Resp: 38854

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 10.7 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 5.167 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.000 min

Lab File: BF135853.D

Acq: 18 Oct 2023 18:11

Tgt Ion:276 Resp: 47673

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 22.3 17.3 25.9

