

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120044.D
 Acq On : 16 Apr 2020 18:53
 Operator : MA/SJ
 Sample : L2245-10 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23B

Quant Time: Apr 17 01:26:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137858	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	480992	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	205496	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	305198	20.00	ng	0.00
76) Chrysene-d12	13.89	240	234912	20.00	ng	0.00
87) Perylene-d12	15.32	264	199925	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	277515	34.79	ng	0.00
7) Phenol-d6	6.36	99	342542	33.33	ng	0.00
23) Nitrobenzene-d5	7.29	82	208351	22.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	51389	20.43	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	399283	27.59	ng	0.00
79) Terphenyl-d14	12.84	244	295172	21.14	ng	-0.01

Target Compounds

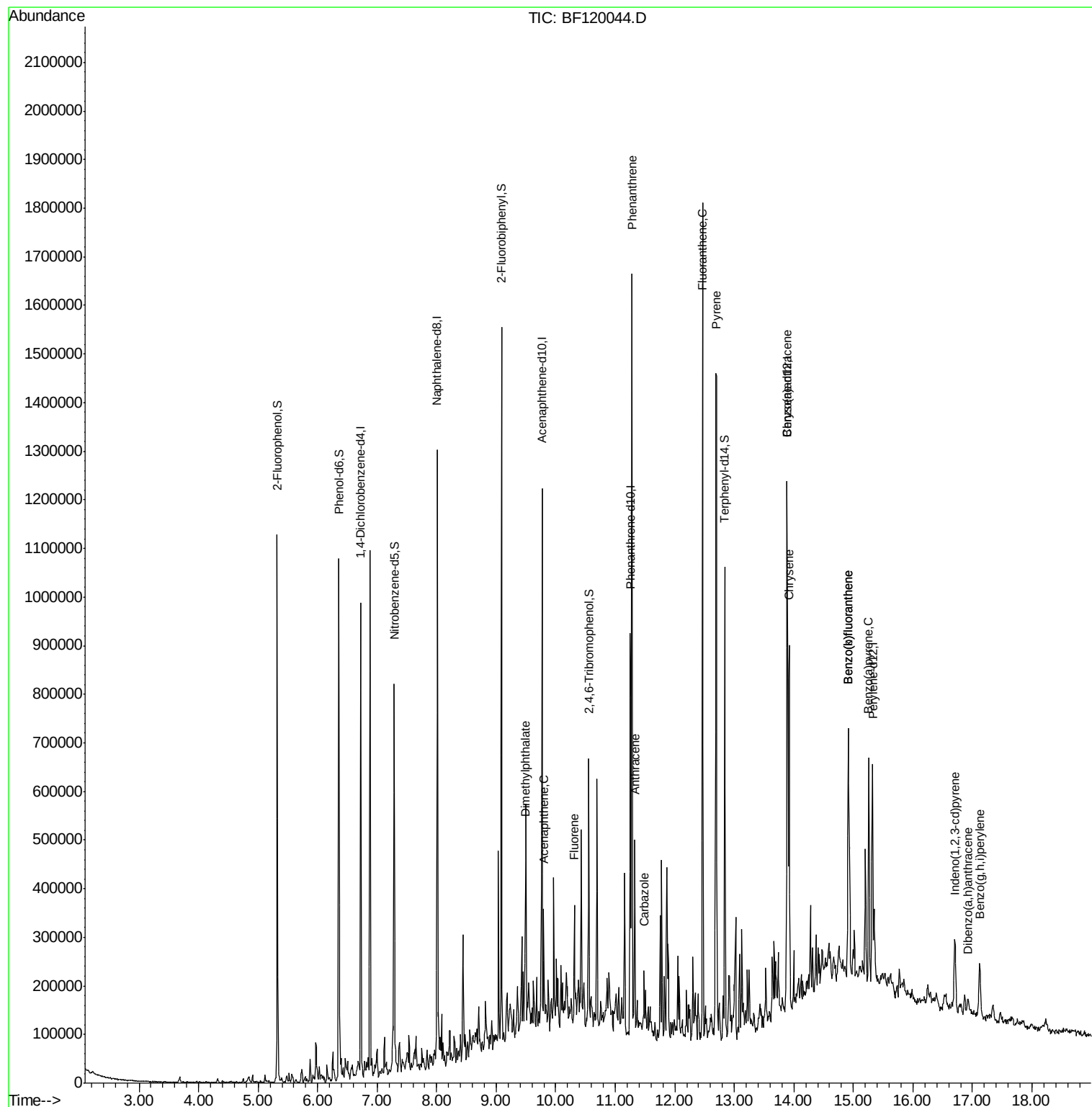
						Qvalue
9) Benzaldehyde	6.27	77	737	Below Cal	#	65
50) Dimethylphthalate	9.49	163	33920	2.134 ng	#	97
52) Acenaphthene	9.80	154	41065	3.029 ng		99
58) Fluorene	10.32	166	55175	3.709 ng		98
71) Phenanthrene	11.28	178	594326	36.590 ng		99
72) Anthracene	11.33	178	143085	8.623 ng		97
73) Carbazole	11.48	167	47058	2.999 ng		94
75) Fluoranthene	12.47	202	654981	37.372 ng		97
78) Pyrene	12.70	202	620395	31.328 ng		99
81) Benzo(a)anthracene	13.89	228	315978	20.446 ng		98
83) Chrysene	13.92	228	302878	19.288 ng		97
86) Indeno(1,2,3-cd)pyrene	16.70	276	97925	7.075 ng		97
88) Benzo(b)fluoranthene	14.92	252	374221	26.020 ng		99
89) Benzo(k)fluoranthene	14.92	252	374221	30.157 ng		99
90) Benzo(a)pyrene	15.26	252	204285	16.894 ng		97
91) Dibenzo(a,h)anthracene	16.92	278	22516	2.102 ng		98
92) Benzo(g,h,i)perylene	17.12	276	86894	8.218 ng		97

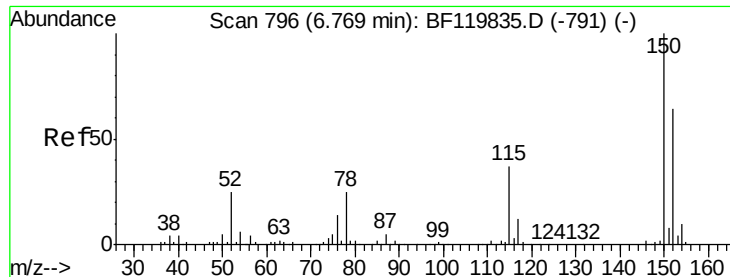
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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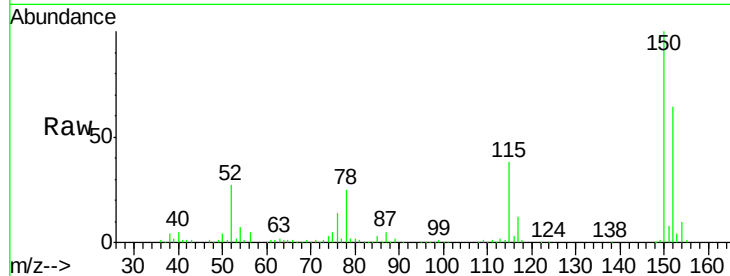


#1

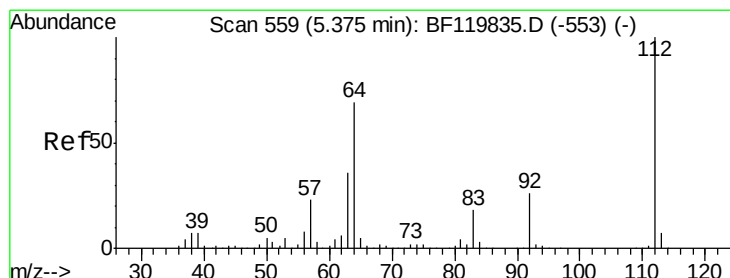
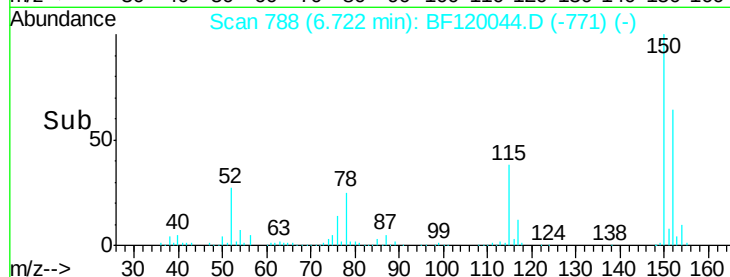
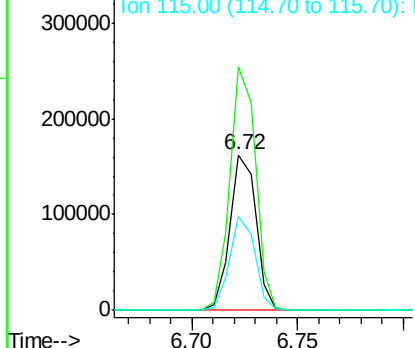
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion:152 Resp: 137858
Ion Ratio Lower Upper
152 100
150 156.8 124.8 187.2
115 60.1 46.5 69.7



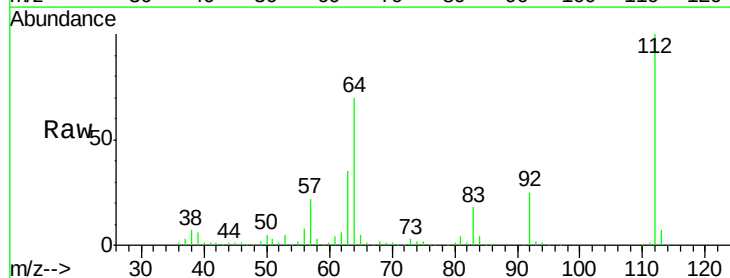
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



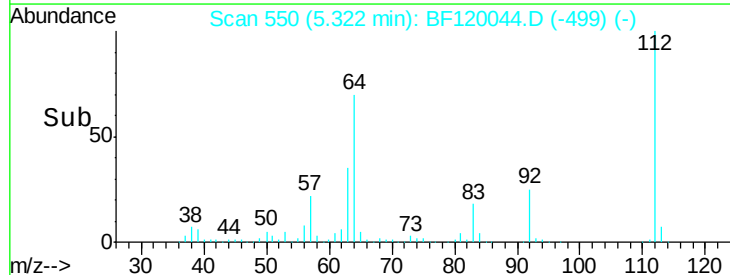
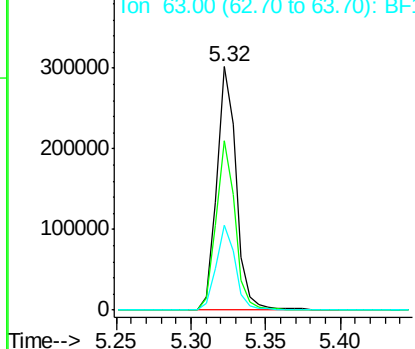
#5

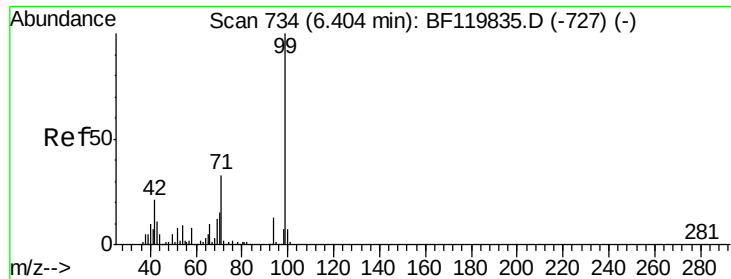
2-Fluorophenol
Concen: 34.789 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion:112 Resp: 277515
Ion Ratio Lower Upper
112 100
64 69.8 55.5 83.3
63 35.1 29.1 43.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 33.325 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampleId :

TP-23B

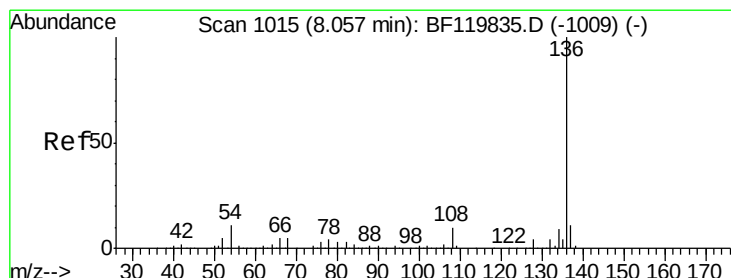
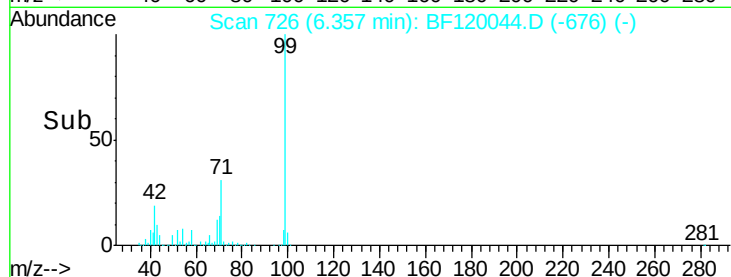
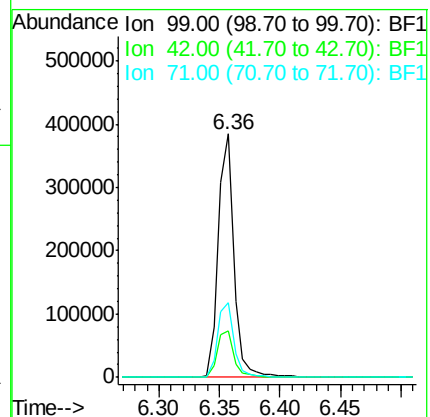
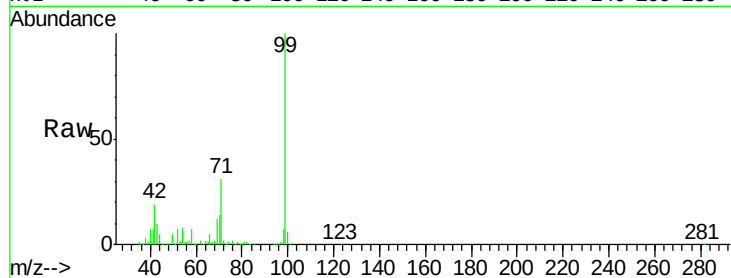
Tot Ion: 99 Resp: 342542

Ion Ratio Lower Upper

99 100

42 19.1 16.9 25.3

71 30.8 26.3 39.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Tgt Ion: 136 Resp: 480992

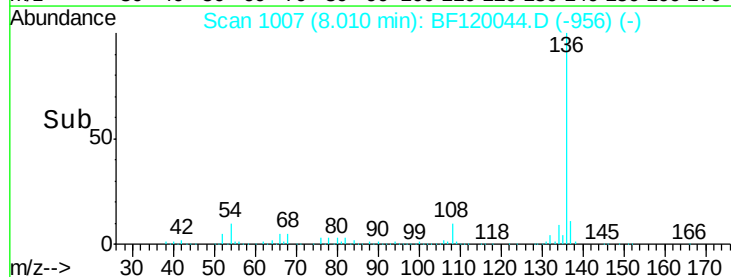
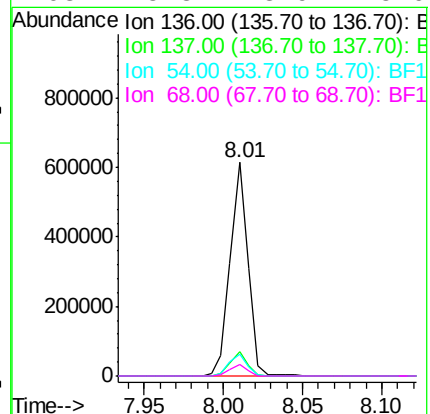
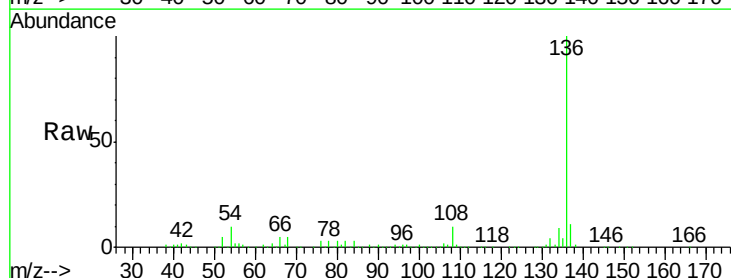
Ion Ratio Lower Upper

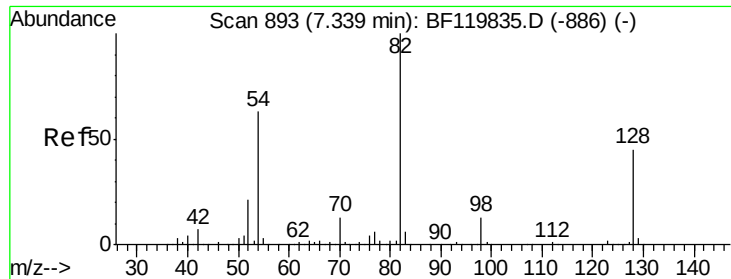
136 100

137 11.1 8.7 13.1

54 10.1 8.5 12.7

68 5.3 3.9 5.9

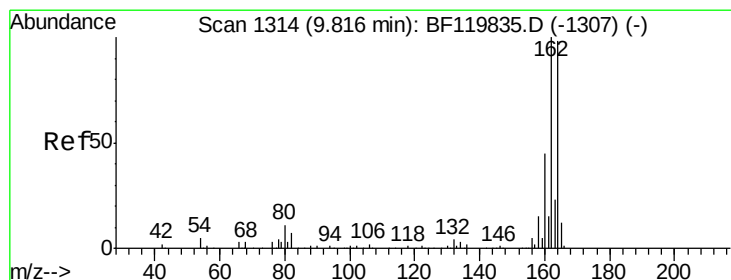
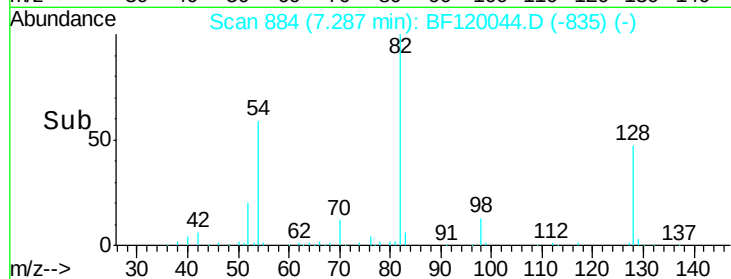
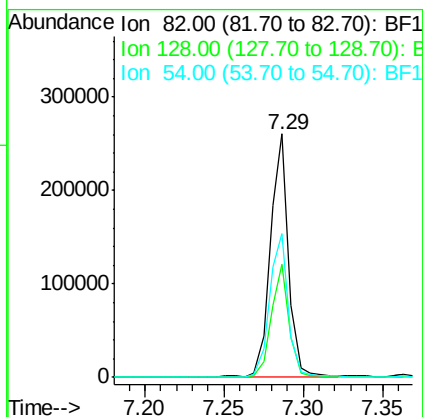
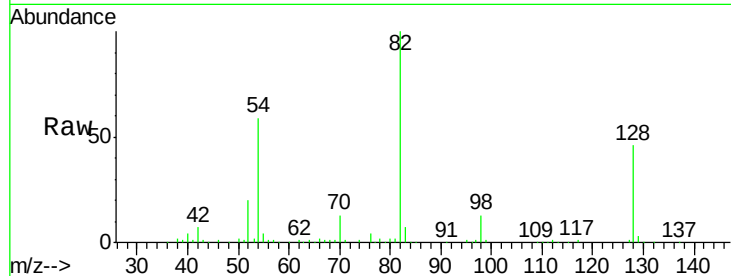




#23
Nitrobenzene-d5
Concen: 22.409 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

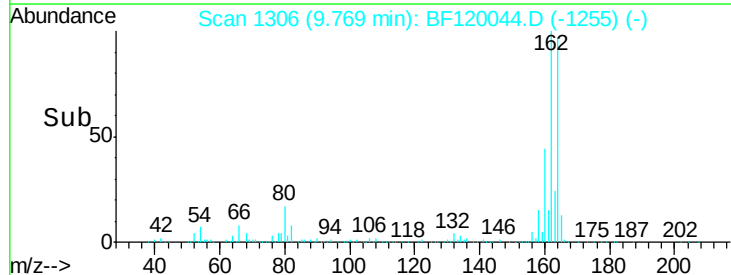
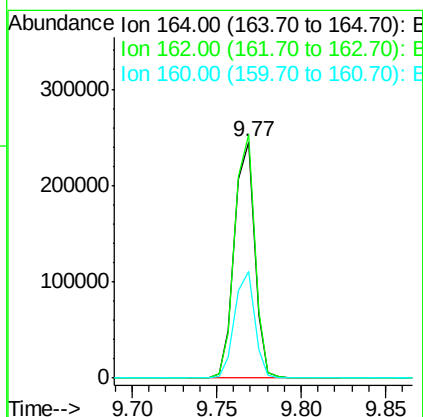
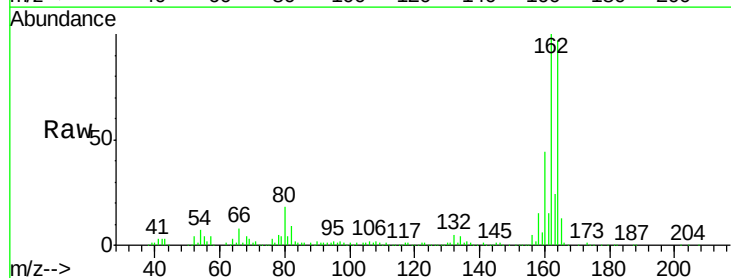
Instrument :
BNA_F
ClientSampleId :
TP-23B

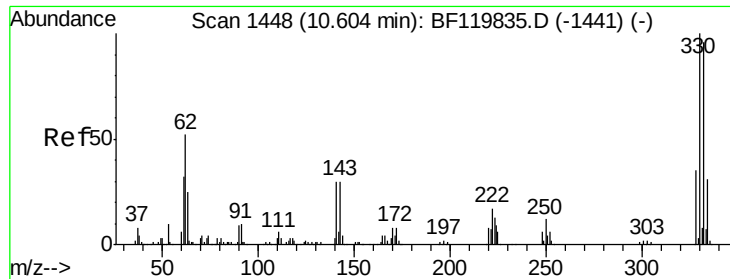
Tot Ion: 82 Resp: 208351
Ion Ratio Lower Upper
82 100
128 46.4 36.2 54.4
54 59.1 50.4 75.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion:164 Resp: 205496
Ion Ratio Lower Upper
164 100
162 103.1 81.9 122.9
160 45.1 36.6 54.8

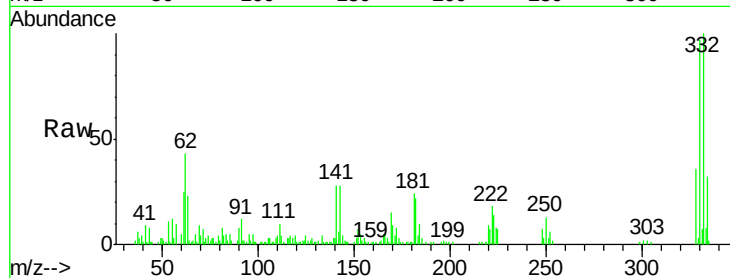




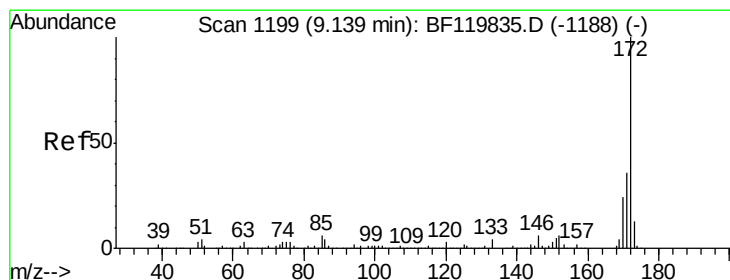
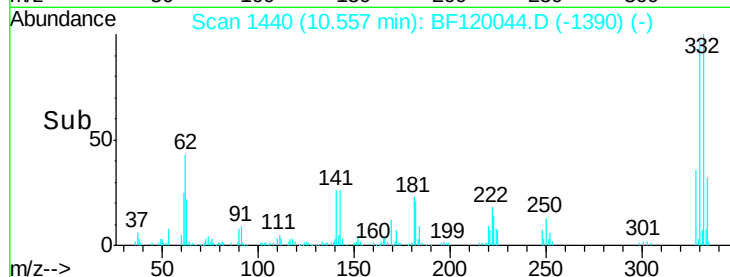
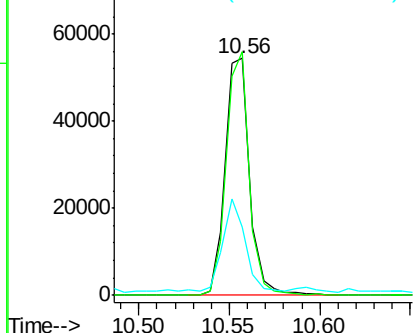
#42
 2,4,6-Tribromophenol
 Concen: 20.425 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-23B

Tot Ion:330 Resp: 51389
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 35.0 25.1 37.7

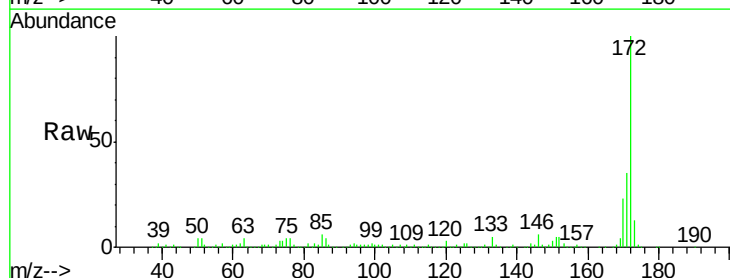


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

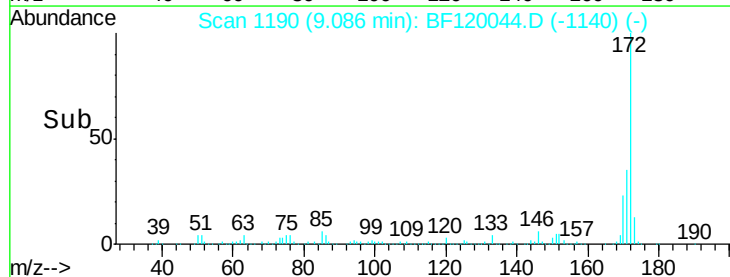
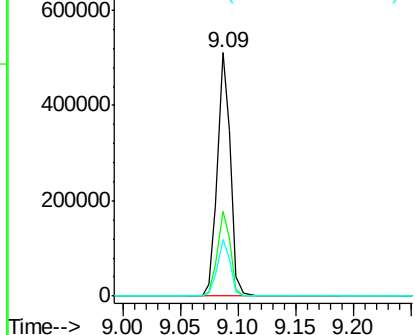


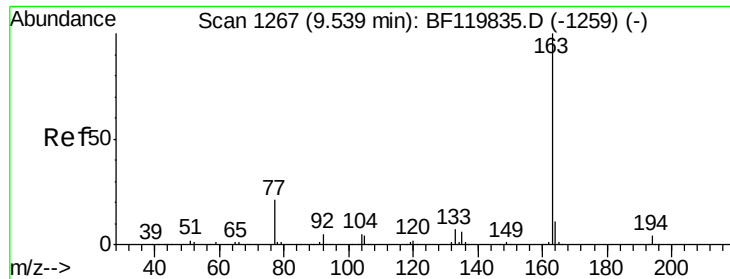
#45
 2-Fluorobiphenyl
 Concen: 27.587 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Tgt Ion:172 Resp: 399283
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.9 43.3
 170 23.1 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

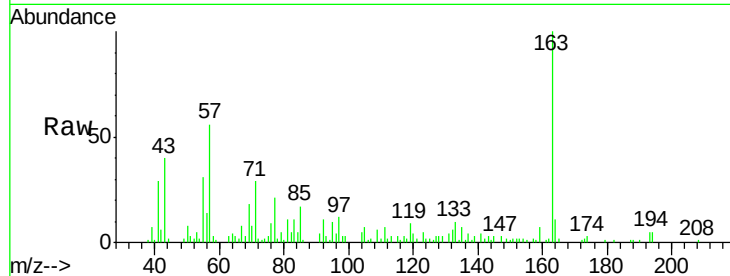




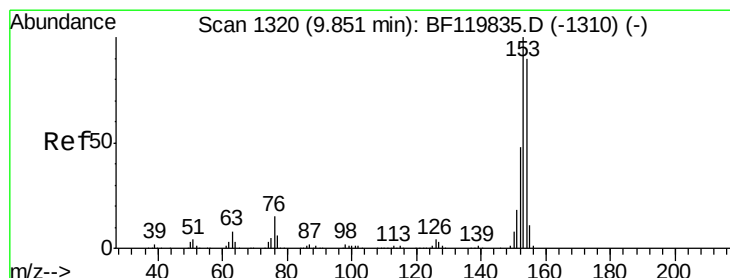
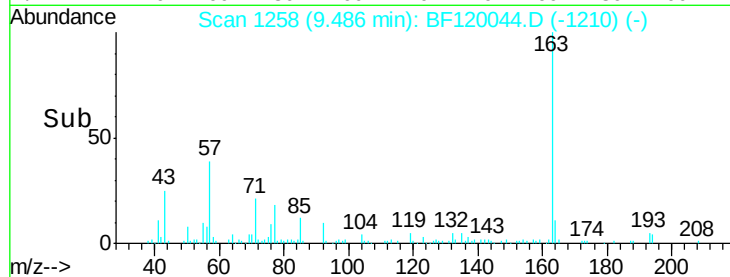
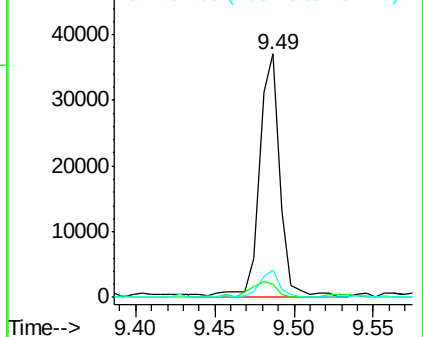
#50
Dimethylphthalate
Concen: 2.134 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion:163 Resp: 33920
Ion Ratio Lower Upper
163 100
194 5.4 3.0 4.4#
164 11.2 8.4 12.6

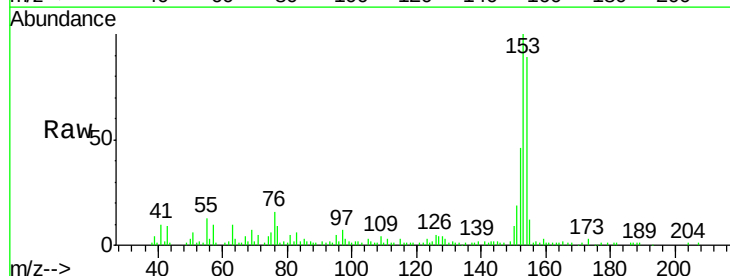


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

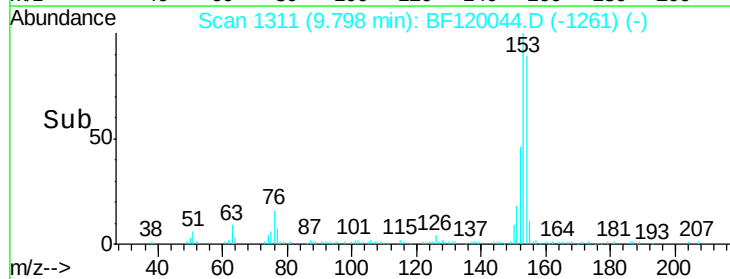
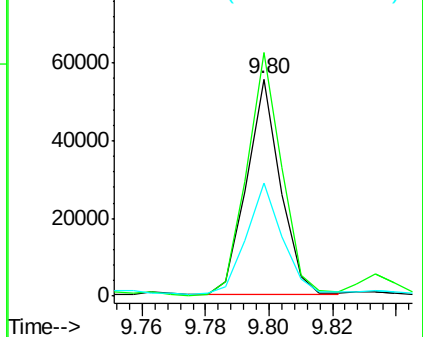


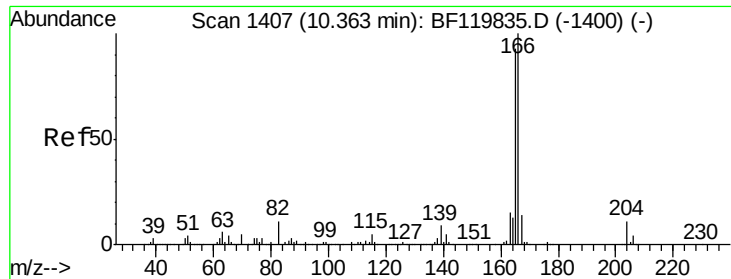
#52
Acenaphthene
Concen: 3.029 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion:154 Resp: 41065
Ion Ratio Lower Upper
154 100
153 112.2 88.8 133.2
152 52.2 42.4 63.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#58

Fluorene

Concen: 3.709 ng

RT: 10.32 min Scan# 1399

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampleId :

TP-23B

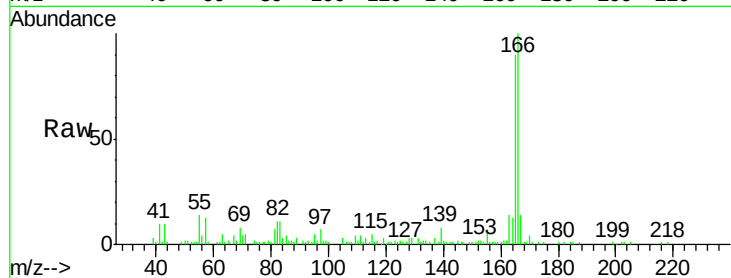
Tot Ion:166 Resp: 55175

Ion Ratio Lower Upper

166 100

165 90.3 74.2 111.2

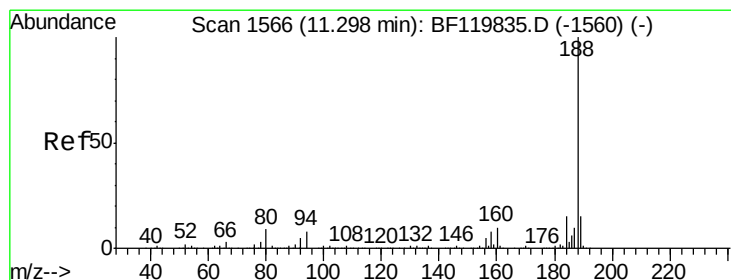
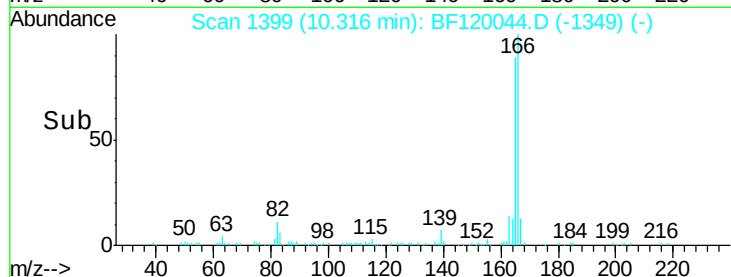
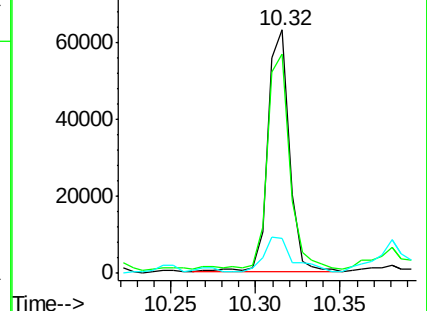
167 14.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

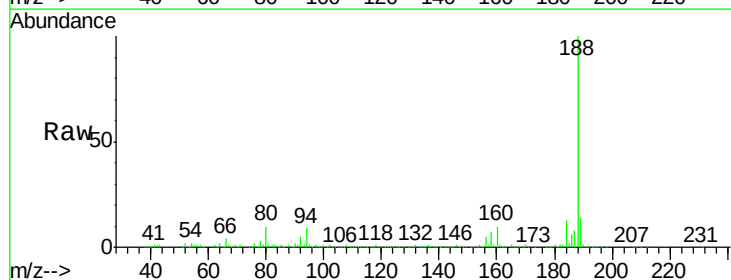
Tgt Ion:188 Resp: 305198

Ion Ratio Lower Upper

188 100

94 9.0 6.7 10.1

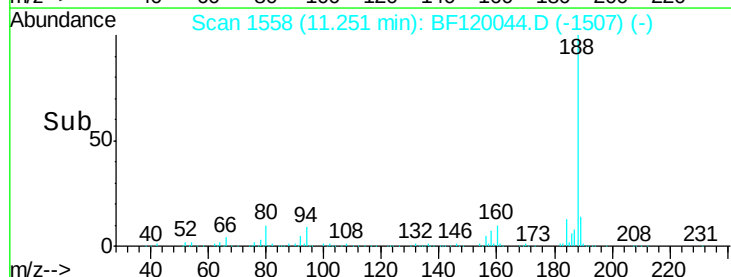
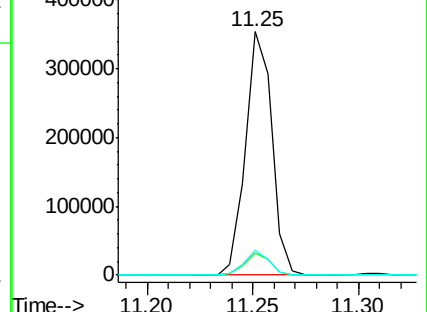
80 10.0 7.4 11.2

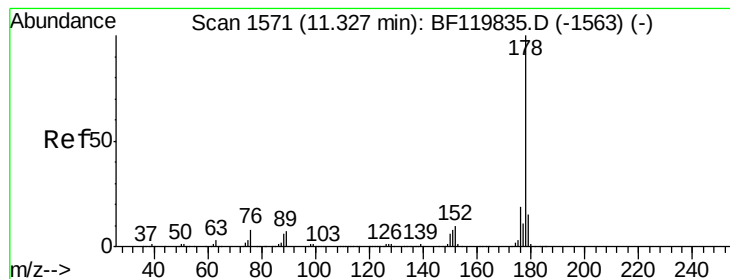


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 36.590 ng

RT: 11.28 min Scan# 1563

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampleId :

TP-23B

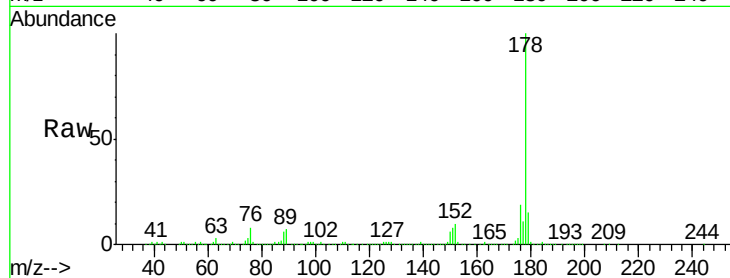
Tot Ion:178 Resp: 594326

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

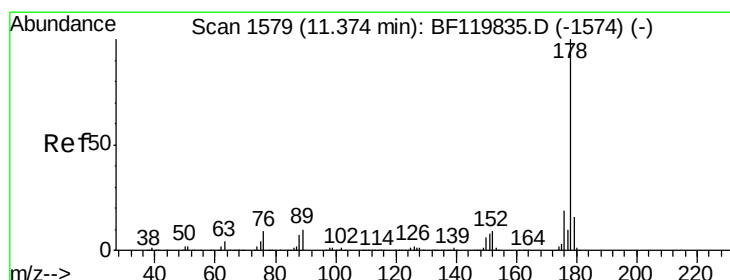
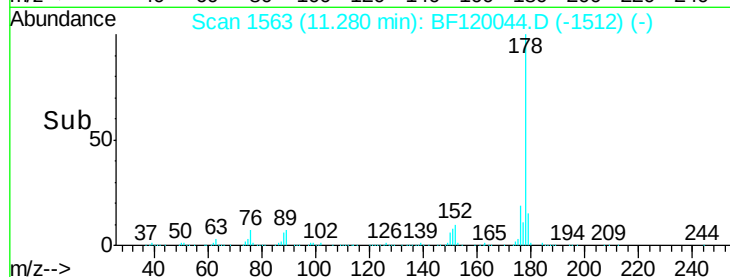
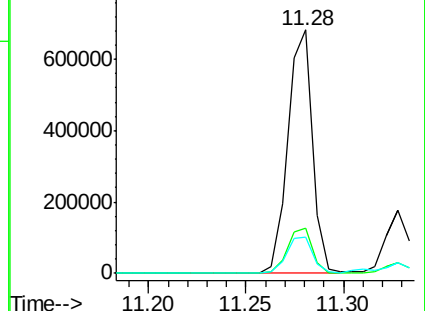
179 15.0 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.623 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

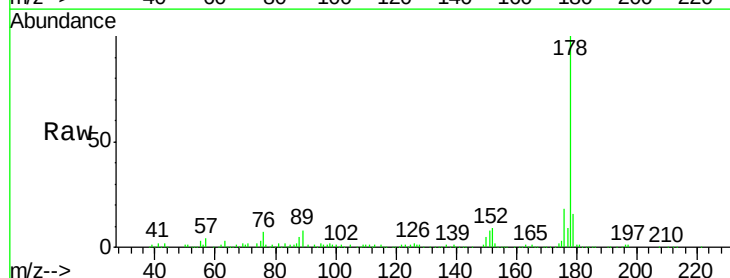
Tgt Ion:178 Resp: 143085

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

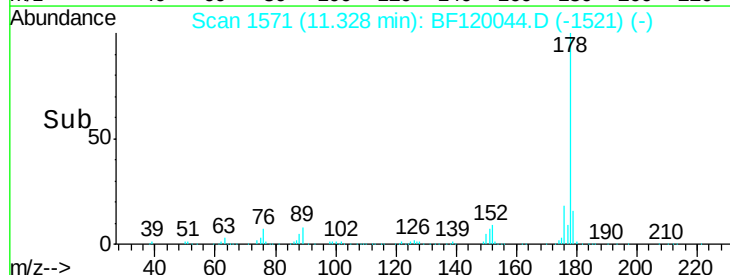
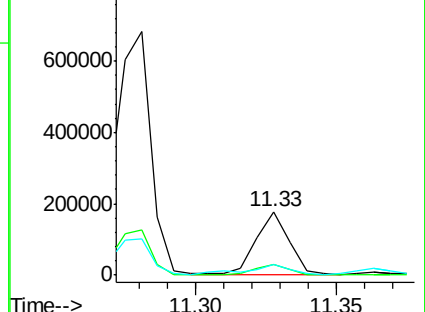
179 16.5 12.8 19.2

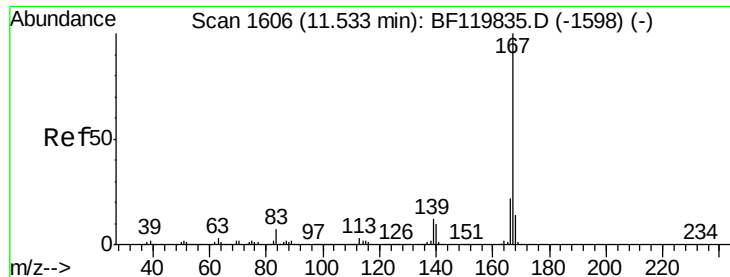


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

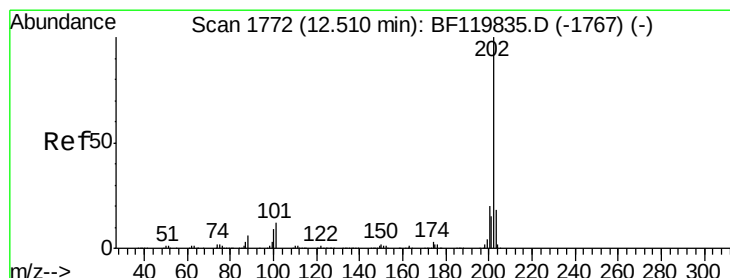
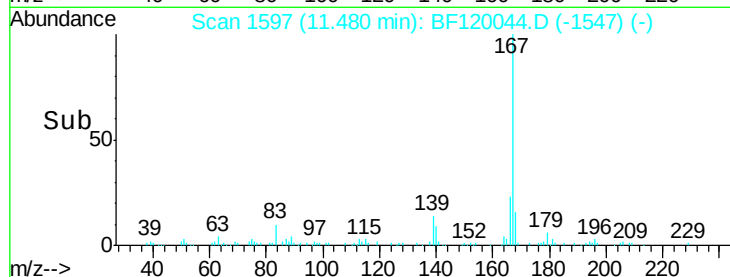
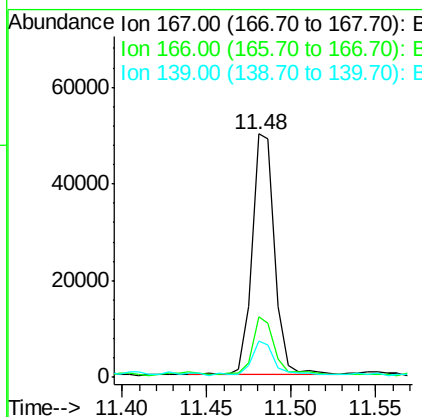
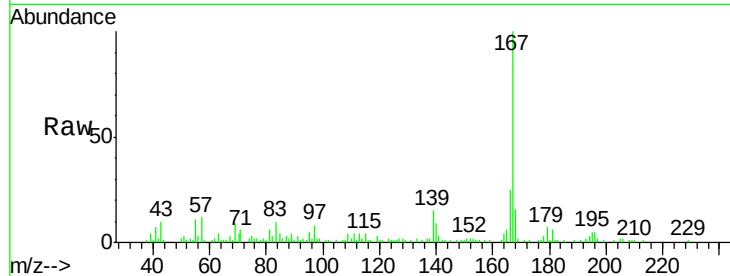




#73
 Carbazole
 Concen: 2.999 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

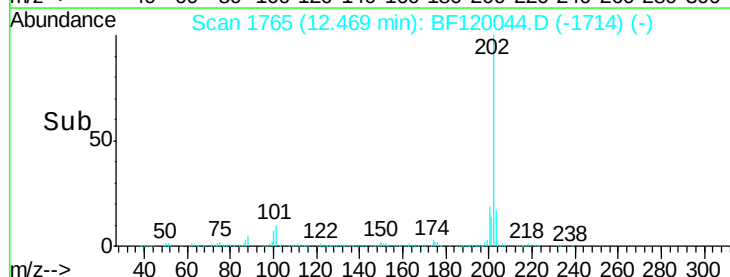
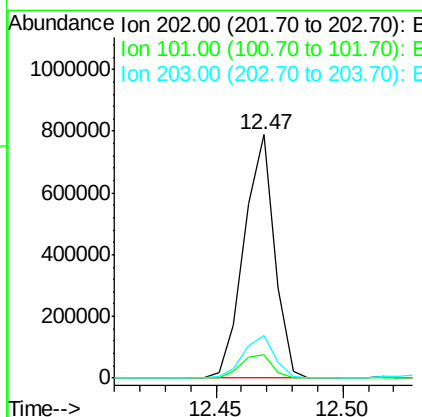
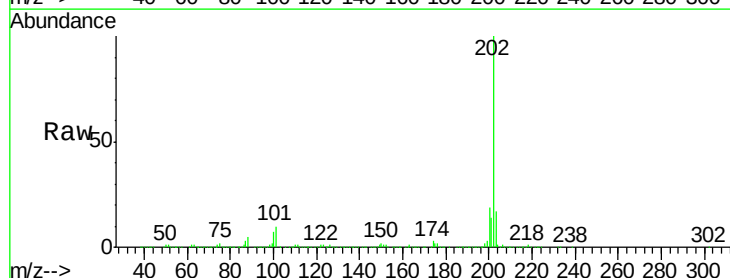
Instrument :
 BNA_F
 ClientSampleId :
 TP-23B

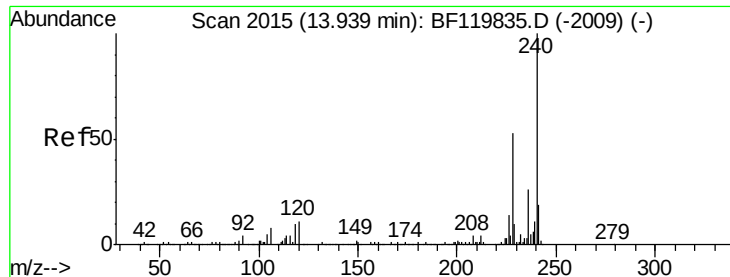
Tot Ion:167 Resp: 47058
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.4 26.0
 139 14.7 9.8 14.8



#75
 Fluoranthene
 Concen: 37.372 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Tgt Ion:202 Resp: 654981
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 32.3
 203 17.4 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampleId :

TP-23B

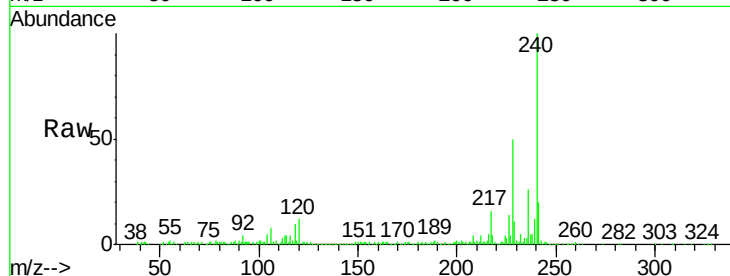
Tot Ion:240 Resp: 234912

Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.6

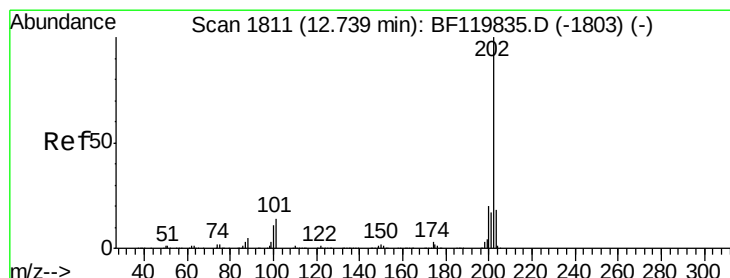
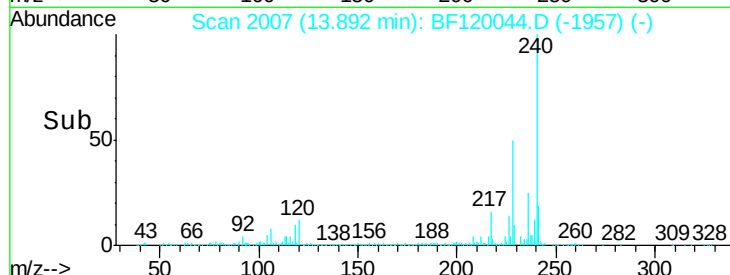
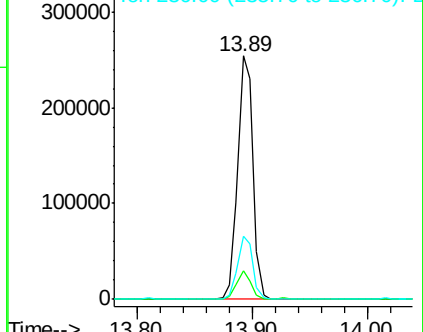
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 31.328 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

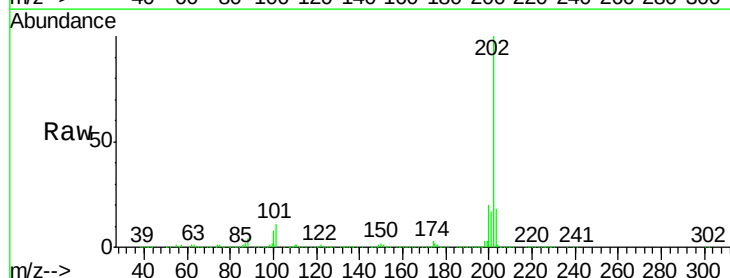
Tgt Ion:202 Resp: 620395

Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

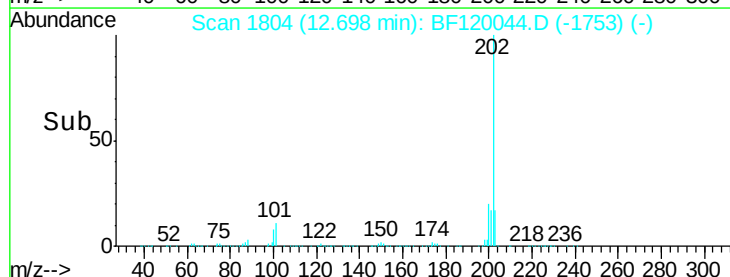
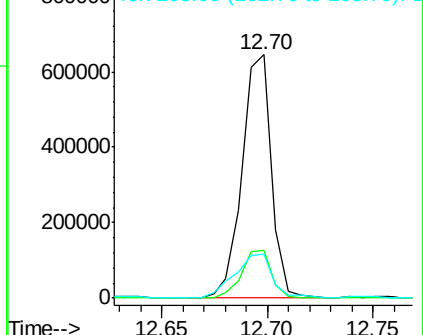
203 18.0 14.1 21.1

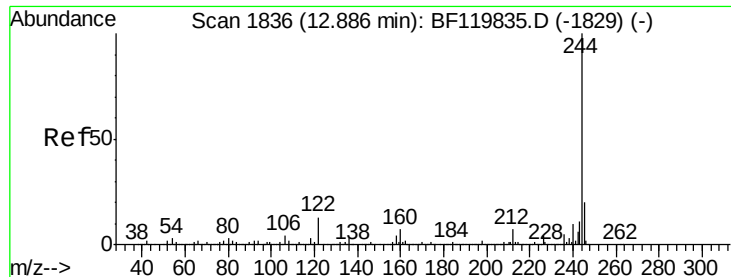


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 21.143 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampled :

TP-23B

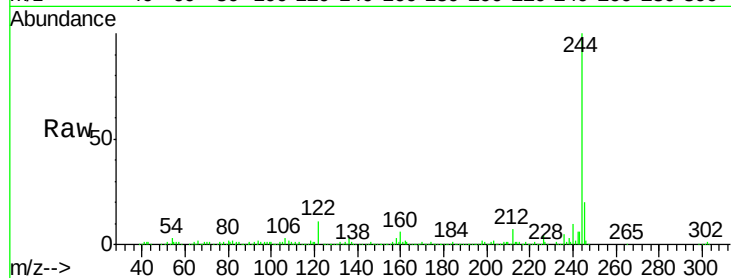
Tot Ion:244 Resp: 295172

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

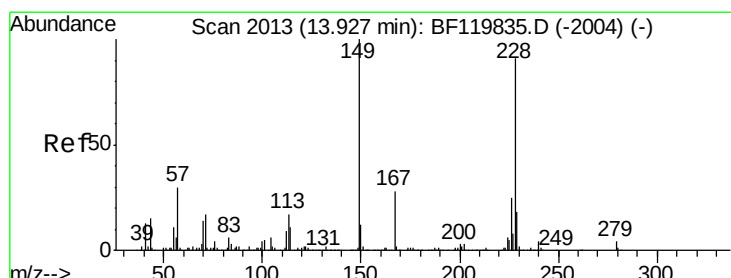
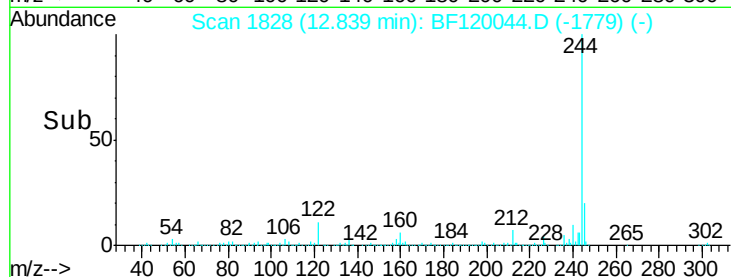
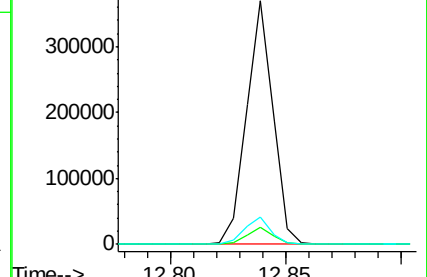
122 11.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 20.446 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

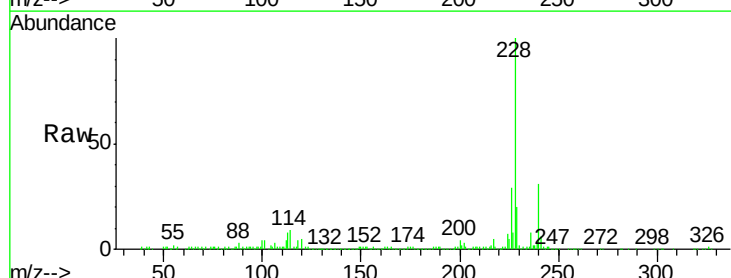
Tgt Ion:228 Resp: 315978

Ion Ratio Lower Upper

228 100

226 28.9 21.9 32.9

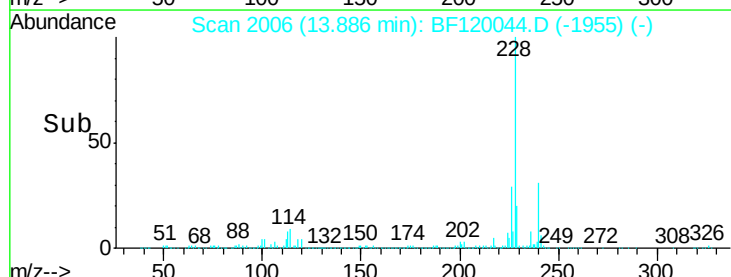
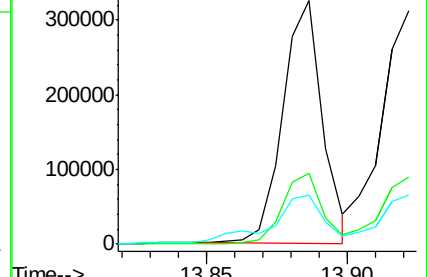
229 20.4 15.9 23.9

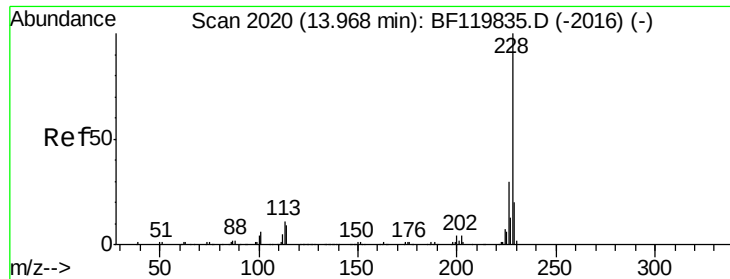


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

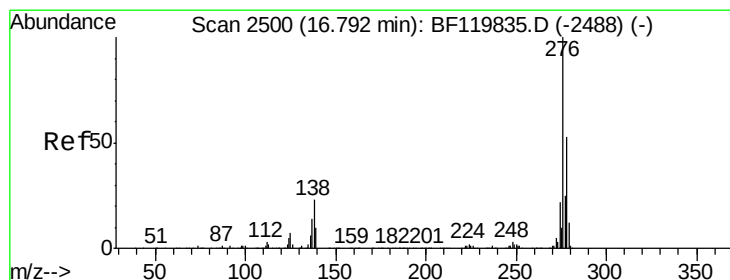
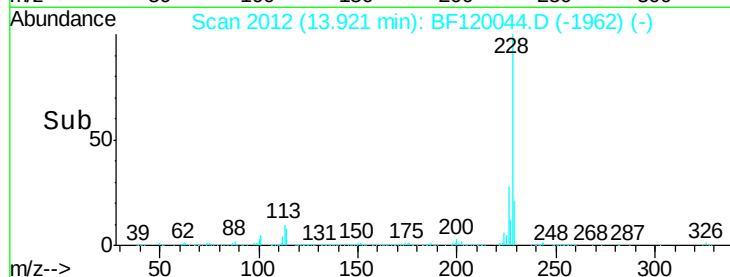
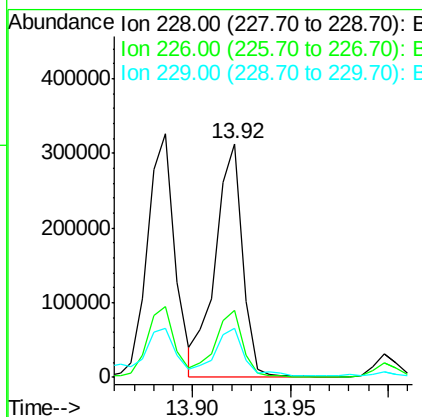
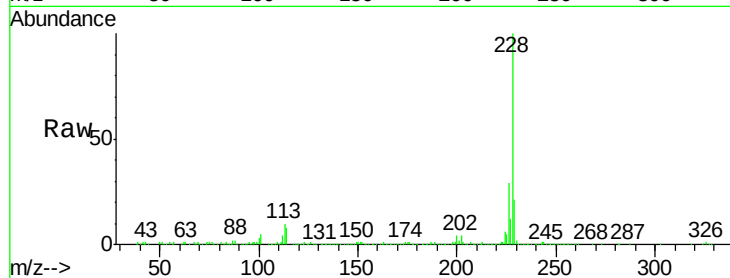




#83
Chrysene
Concen: 19.288 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

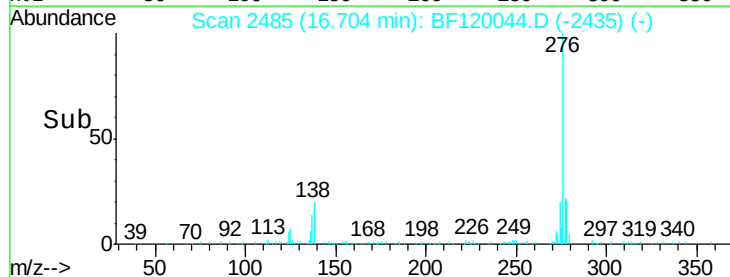
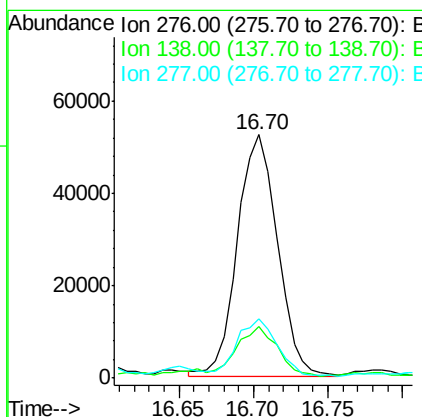
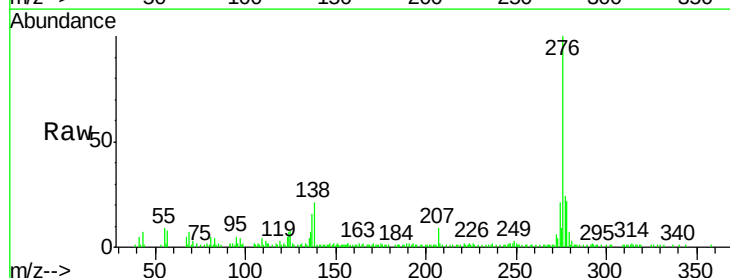
Instrument :
BNA_F
ClientSampleId :
TP-23B

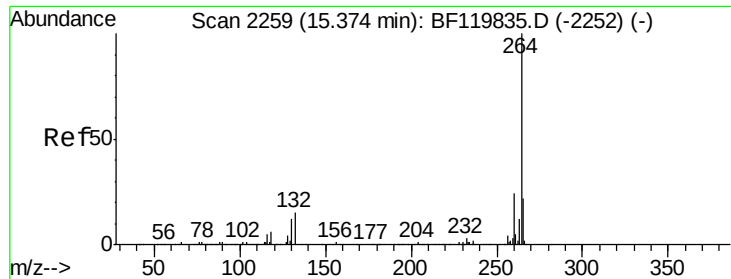
Tot Ion:228 Resp: 302878
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.2
229 21.2 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.075 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion:276 Resp: 97925
Ion Ratio Lower Upper
276 100
138 24.5 18.0 27.0
277 23.7 20.1 30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampleId :

TP-23B

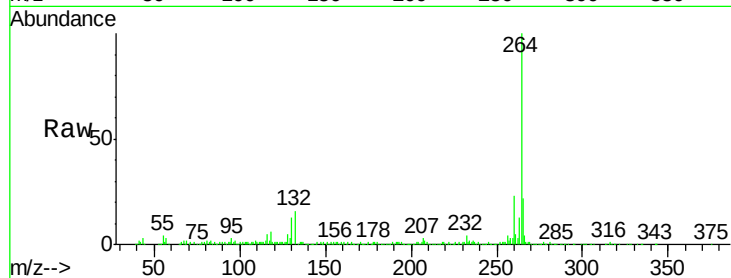
Tot Ion:264 Resp: 199925

Ion Ratio Lower Upper

264 100

260 22.9 19.3 28.9

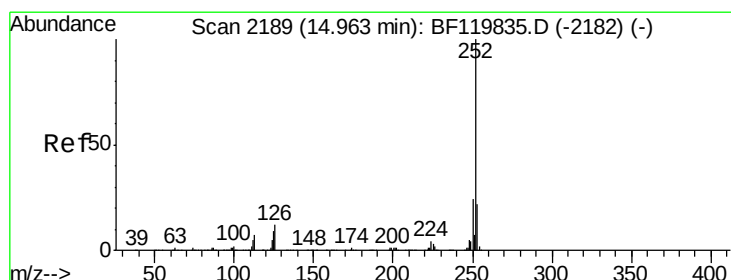
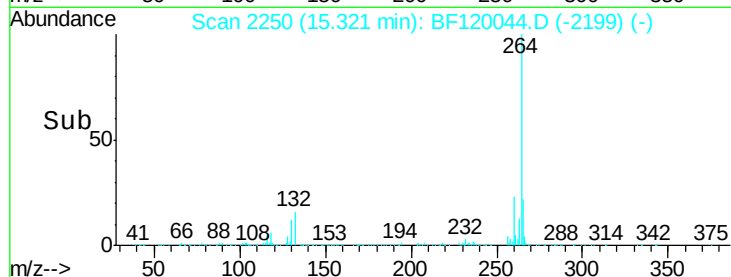
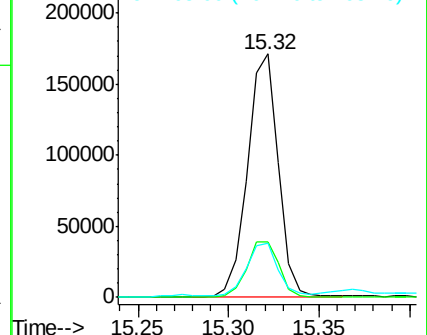
265 22.2 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 26.020 ng

RT: 14.92 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

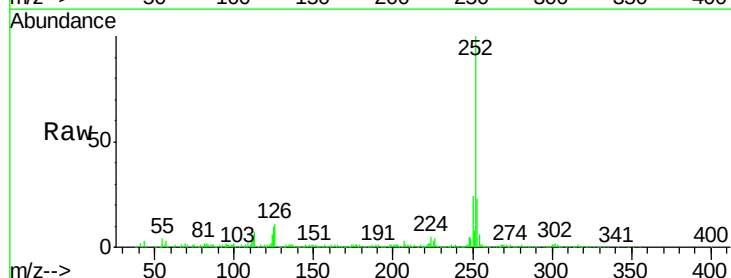
Tgt Ion:252 Resp: 374221

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

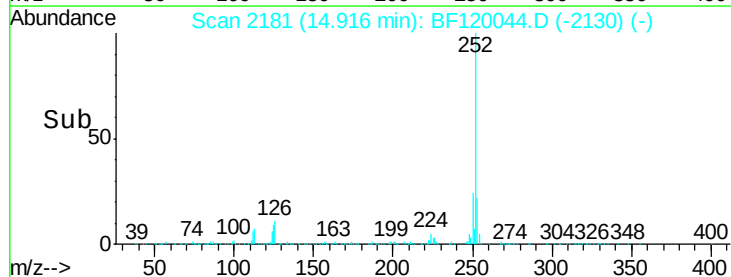
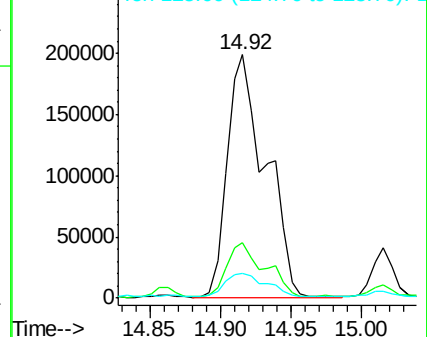
125 10.1 7.4 11.2

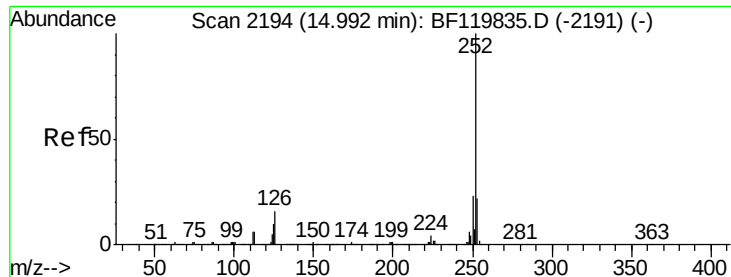


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

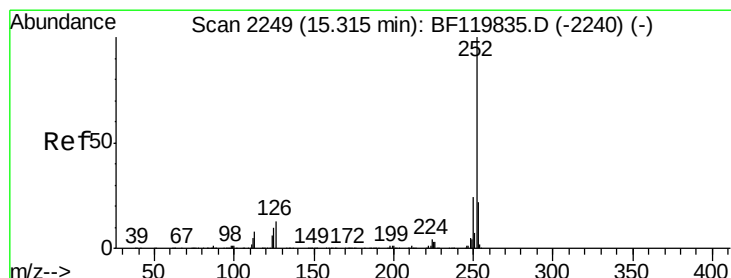
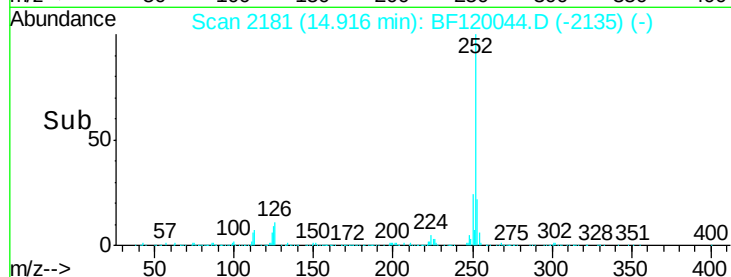
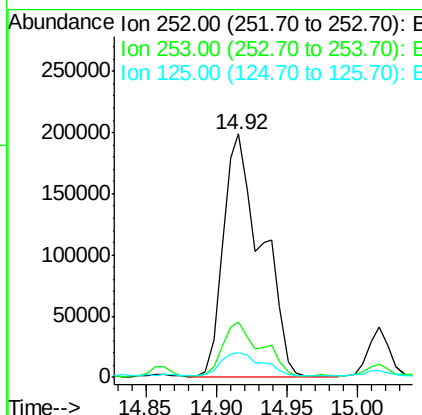
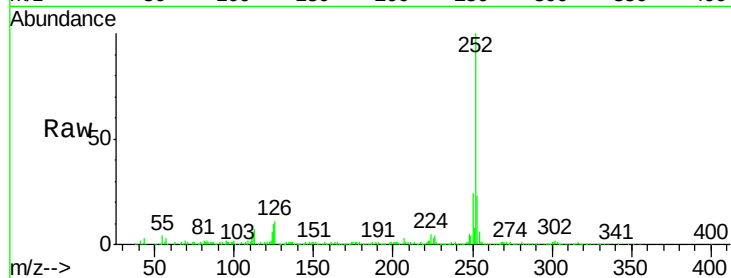




#89
Benzo(k)fluoranthene
Concen: 30.157 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

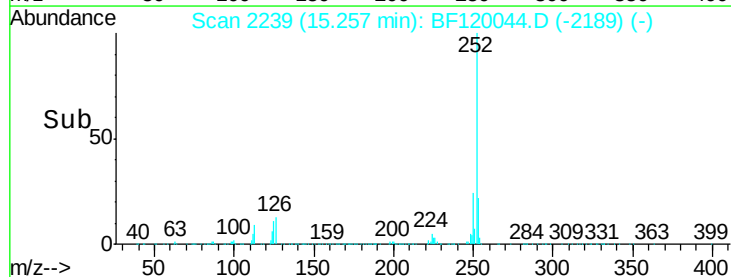
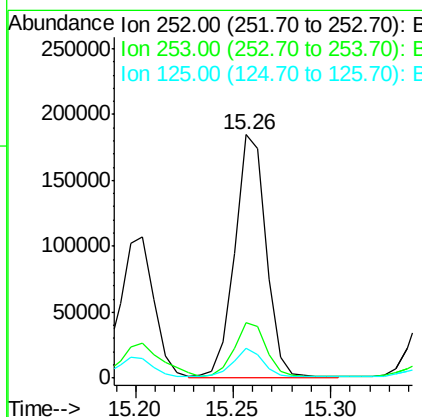
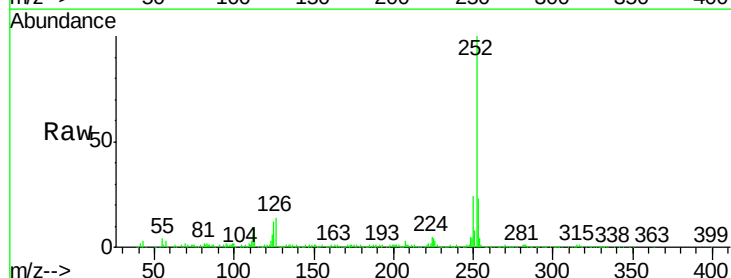
Instrument :
BNA_F
ClientSampleId :
TP-23B

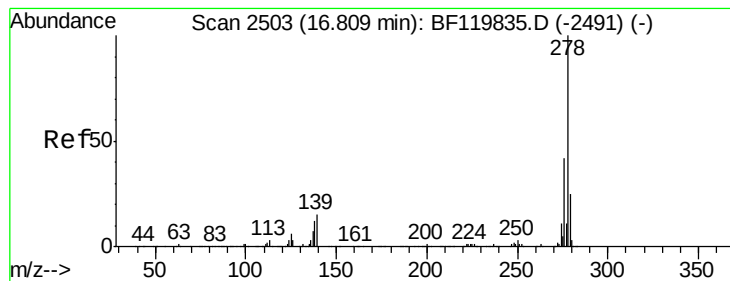
Tot Ion:252 Resp: 374221
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 10.1 7.7 11.5



#90
Benzo(a)pyrene
Concen: 16.894 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion:252 Resp: 204285
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 12.2 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 2.102 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.19 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

ClientSampled :

TP-23B

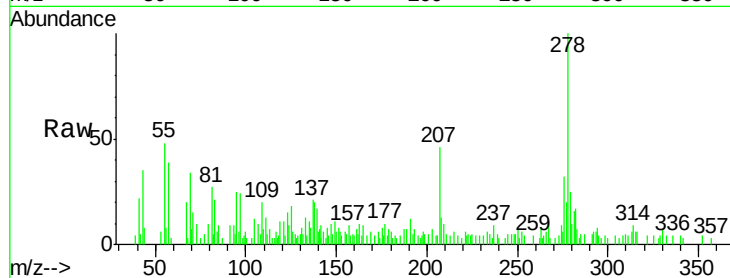
Tot Ion:278 Resp: 22516

Ion Ratio Lower Upper

278 100

139 17.2 11.6 17.4

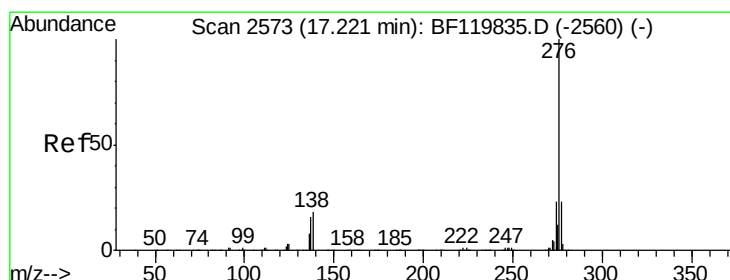
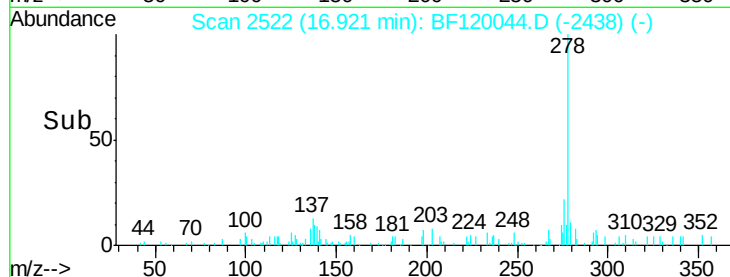
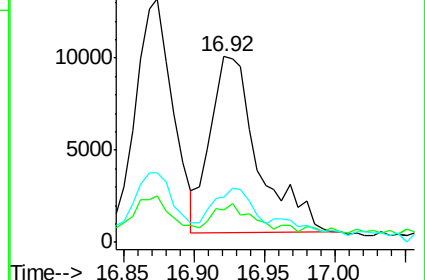
279 24.6 19.7 29.5



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.218 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

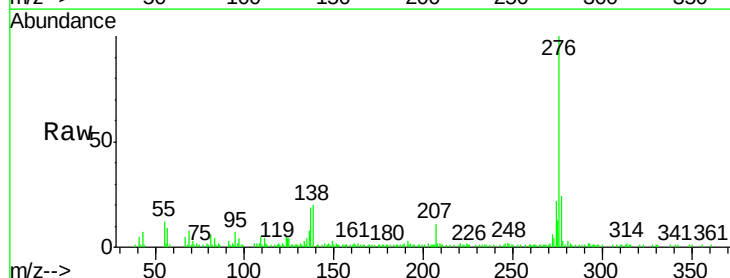
Tgt Ion:276 Resp: 86894

Ion Ratio Lower Upper

276 100

277 24.4 18.5 27.7

138 19.7 14.6 22.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

