

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115617.D
 Acq On : 17 Jul 2019 00:11
 Operator : HP/JU
 Sample : K3776-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 17 03:57:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	150519	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	474081	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	228335	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	438946	20.00	ng	0.00
76) Chrysene-d12	14.05	240	295476	20.00	ng	0.00
87) Perylene-d12	15.54	264	241548	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	204665	22.24	ng	0.00
7) Phenol-d6	6.51	99	380313	32.57	ng	0.00
23) Nitrobenzene-d5	7.44	82	184867	22.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	22230	8.34	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	377327	28.92	ng	-0.01
79) Terphenyl-d14	12.99	244	411919	25.72	ng	0.00

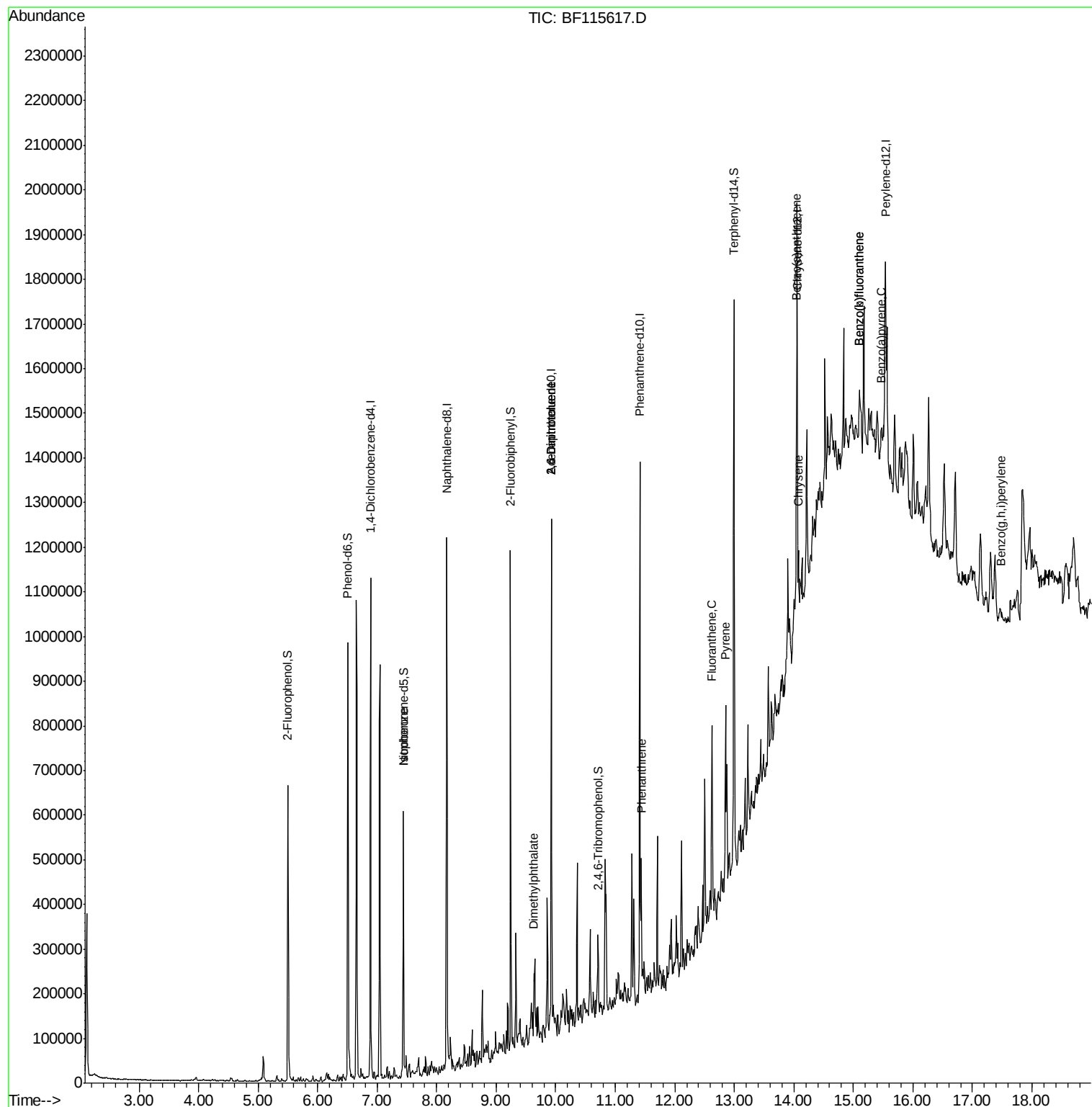
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.44	82	178149	10.920	ng	# 65
50) Dimethylphthalate	9.63	163	35732	2.080	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	30935	7.924	ng	# 28
57) 2,4-Dinitrotoluene	9.93	165	30935	6.116	ng	# 25
71) Phenanthrene	11.43	178	101643	4.517	ng	# 97
75) Fluoranthene	12.62	202	180249	7.581	ng	# 99
78) Pyrene	12.85	202	170733	6.820	ng	# 97
81) Benzo(a)anthracene	14.04	228	63304	3.252	ng	# 93
83) Chrysene	14.07	228	64803	3.316	ng	# 89
88) Benzo(b)fluoranthene	15.10	252	70784	4.551	ng	# 56
89) Benzo(k)fluoranthene	15.10	252	70784	5.104	ng	# 57
90) Benzo(a)pyrene	15.47	252	37000	2.768	ng	# 54
92) Benzo(a,h,i)perylene	17.48	276	25794	2.204	ng	# 64

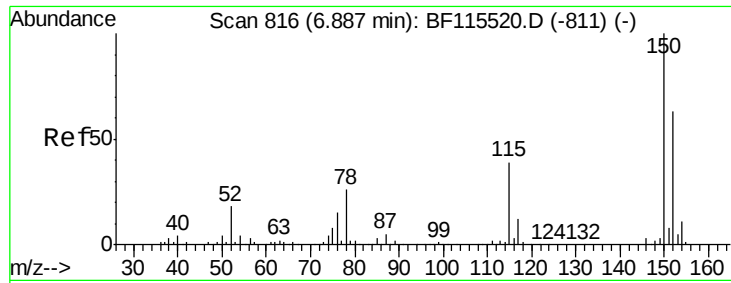
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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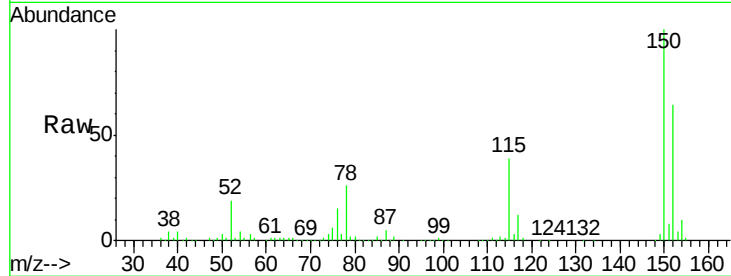


#1

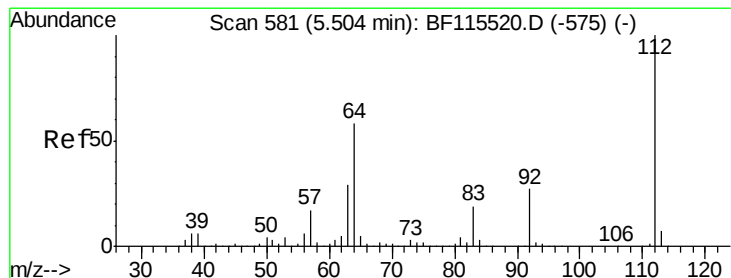
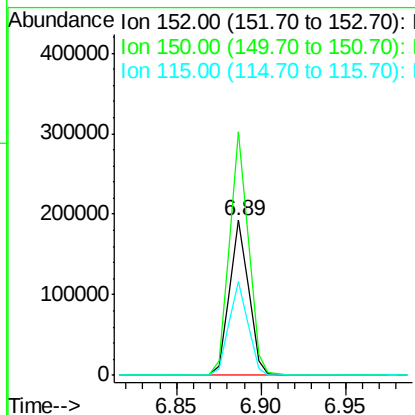
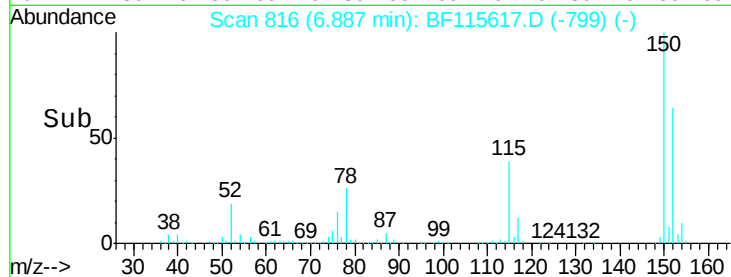
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF115617.D
 Acq: 17 Jul 2019 00:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 150519
 Ion Ratio Lower Upper
 152 100
 150 157.3 129.7 194.5
 115 60.6 48.2 72.4



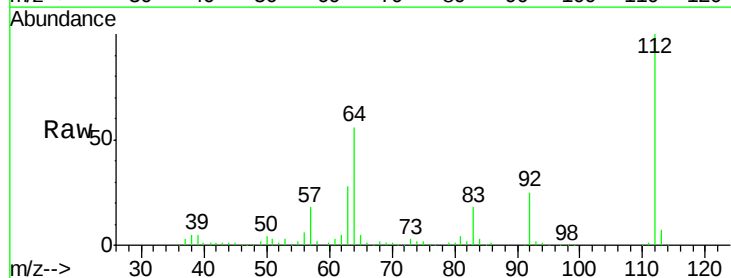
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



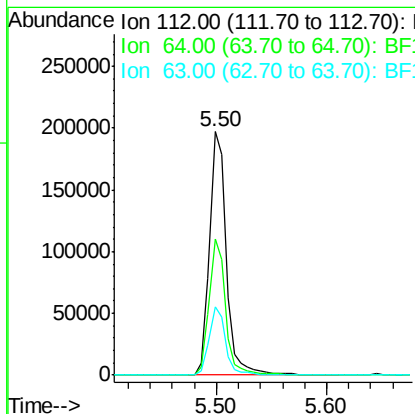
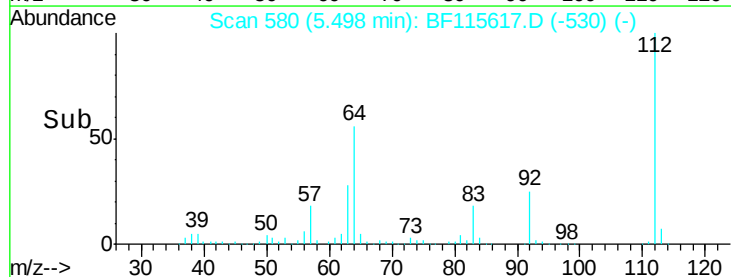
#5

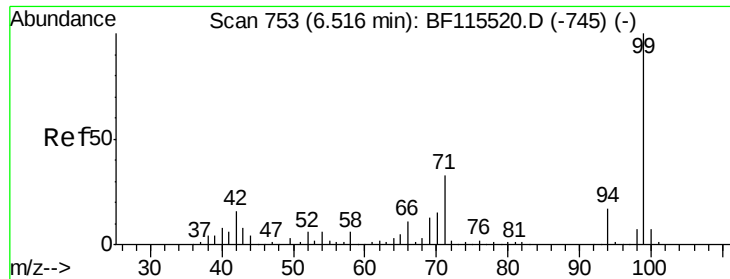
2-Fluorophenol
 Concen: 22.241 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF115617.D
 Acq: 17 Jul 2019 00:11

Tgt Ion:112 Resp: 204665
 Ion Ratio Lower Upper
 112 100
 64 56.1 46.8 70.2
 63 28.1 24.1 36.1



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: 32.571 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampled :

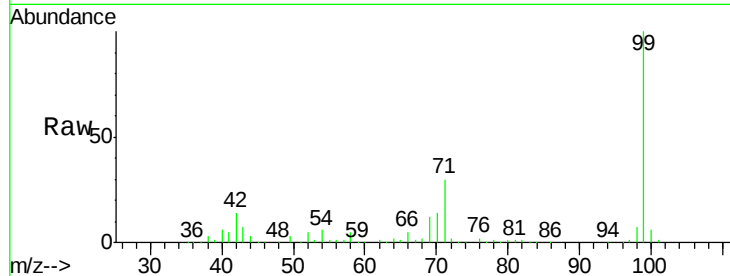
Tot Ion: 99 Resp: 380313

Ion Ratio Lower Upper

99 100

42 14.4 13.6 20.4

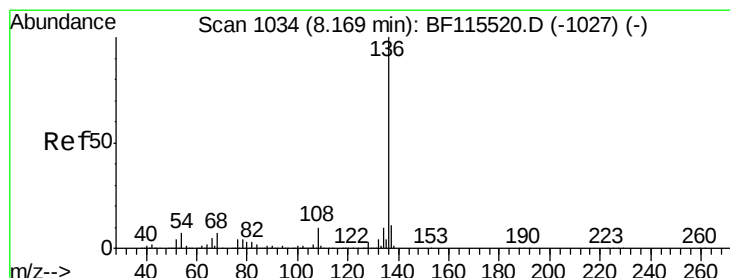
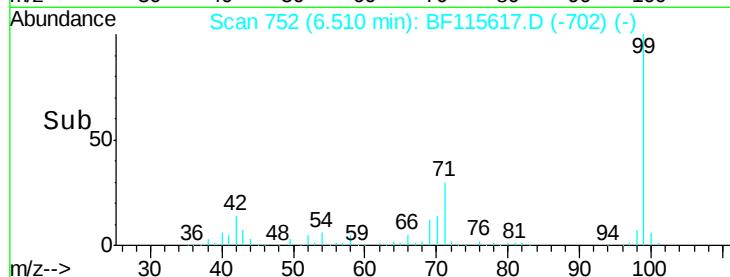
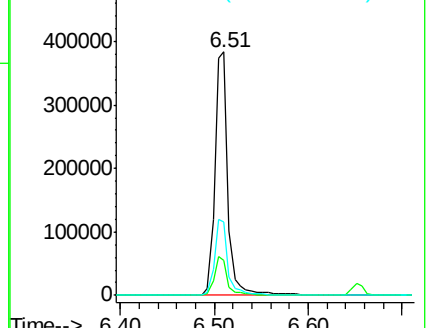
71 30.0 28.5 42.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Tgt Ion: 136 Resp: 474081

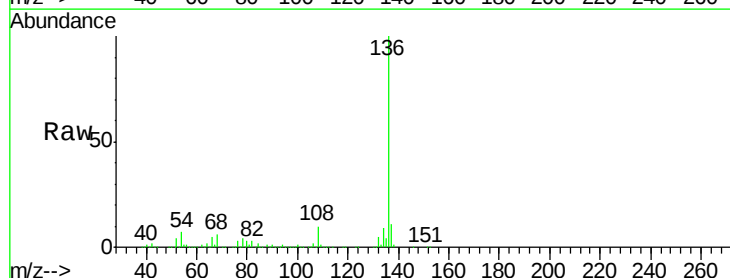
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.6 5.6 8.4

68 6.1 5.0 7.6

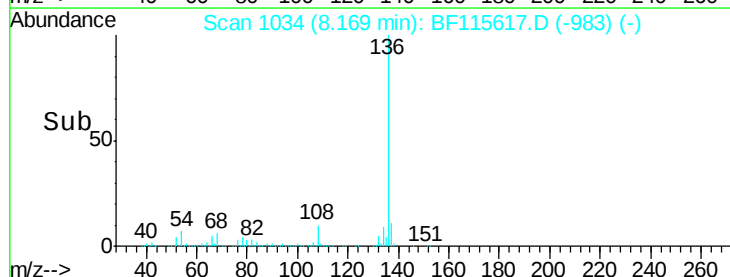
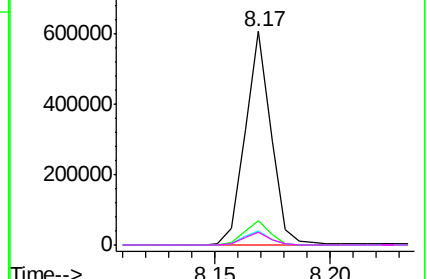


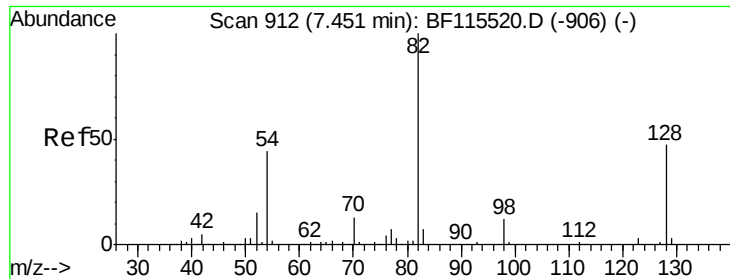
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

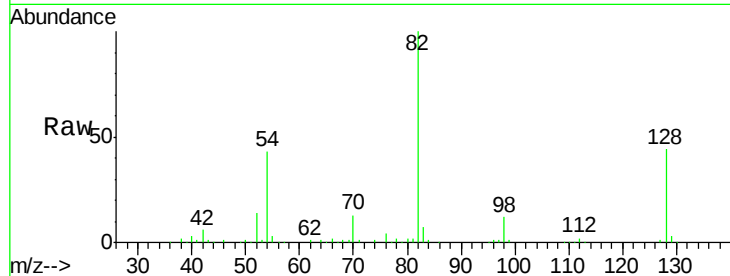




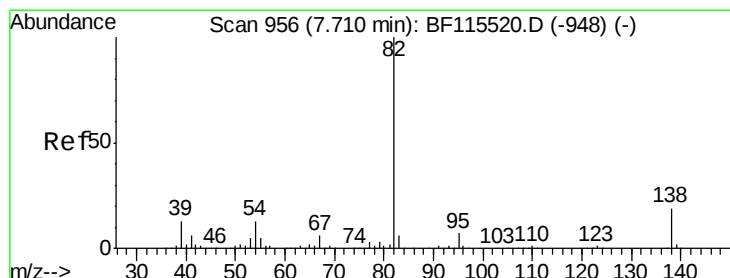
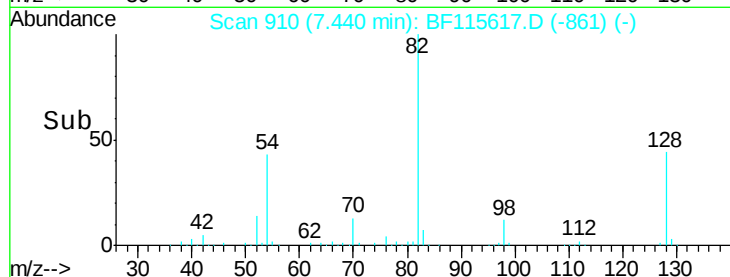
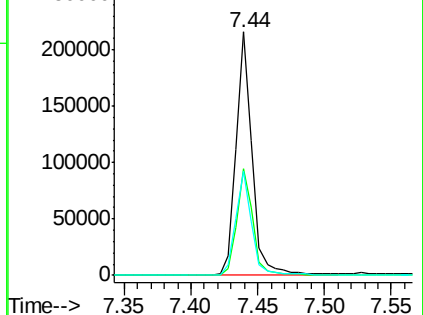
#23
 Nitrobenzene-d5
 Concen: 22.674 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF115617.D
 Acq: 17 Jul 2019 00:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	184867
Ion Ratio	100	Lower	Upper
128	43.8	38.6	57.8
54	42.5	35.6	53.4

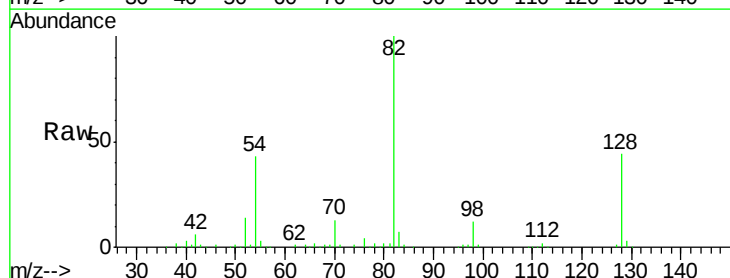


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

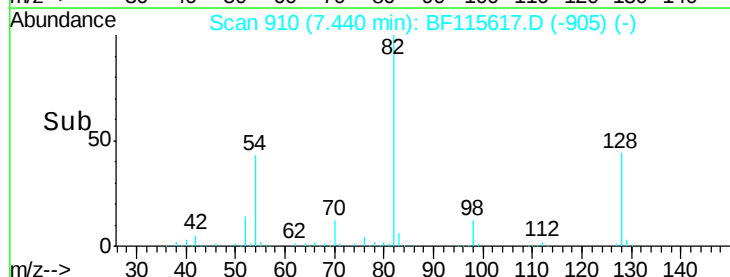
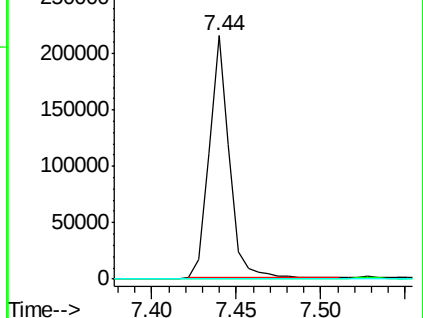


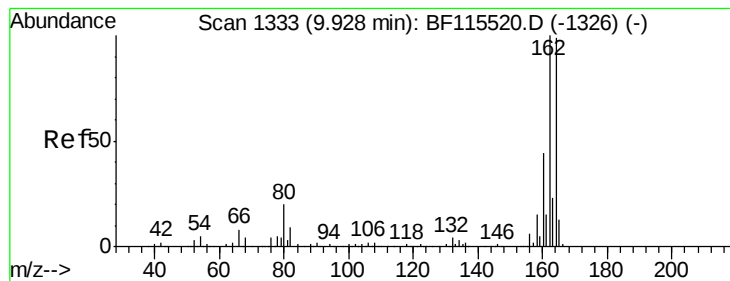
#25
 Isophorone
 Concen: 10.920 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.27 min
 Lab File: BF115617.D
 Acq: 17 Jul 2019 00:11

Tgt Ion	82	Resp	178149
Ion Ratio	100	Lower	Upper
95	0.3	5.5	8.3#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampleId :

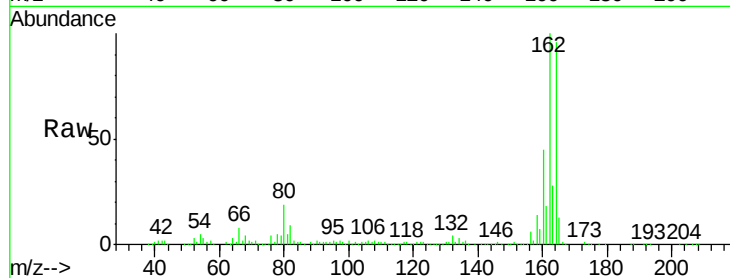
Tot Ion:164 Resp: 228335

Ion Ratio Lower Upper

164 100

162 103.6 82.9 124.3

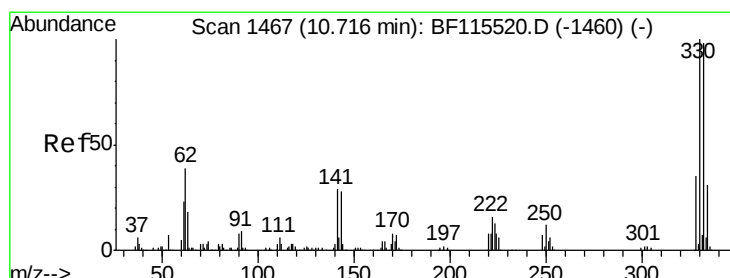
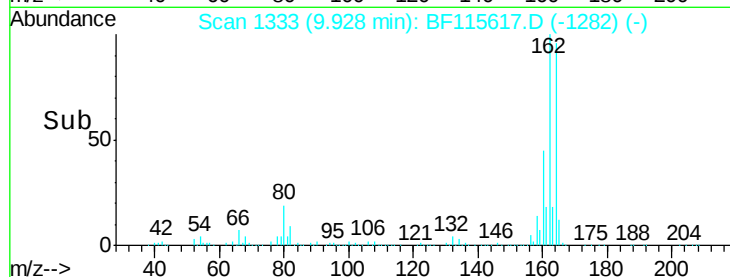
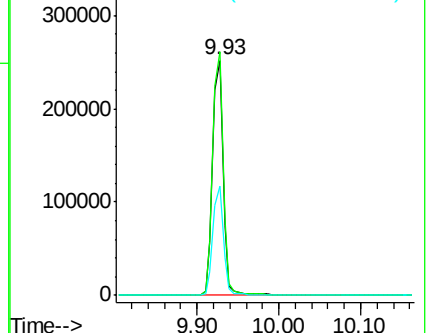
160 46.6 36.8 55.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 8.341 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

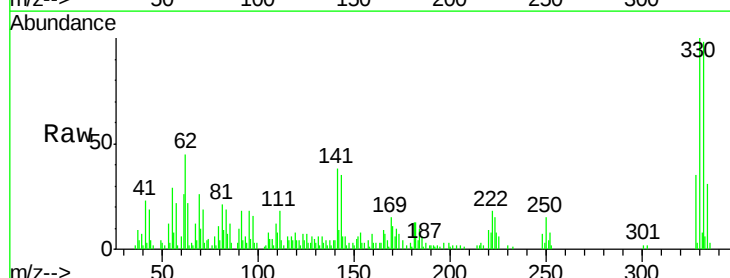
Tgt Ion:330 Resp: 22230

Ion Ratio Lower Upper

330 100

332 99.0 77.4 116.2

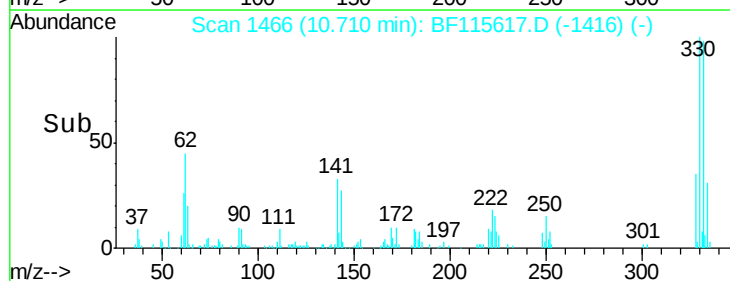
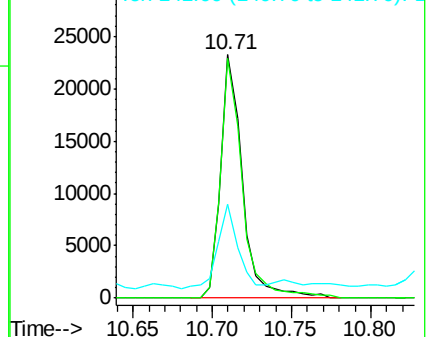
141 32.0 22.4 33.6

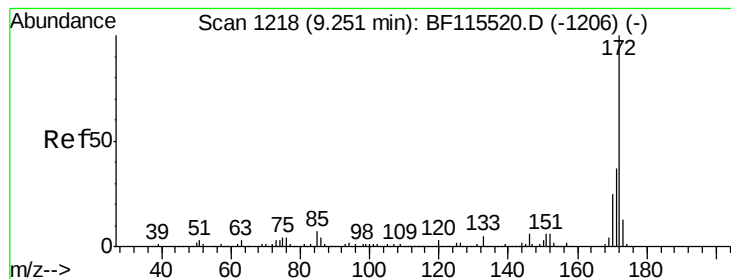


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 28.924 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampleId :

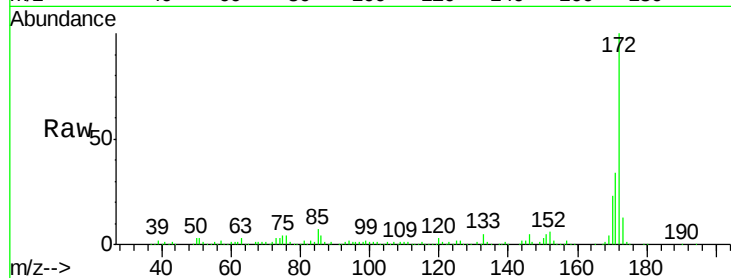
Tot Ion:172 Resp: 377327

Ion Ratio Lower Upper

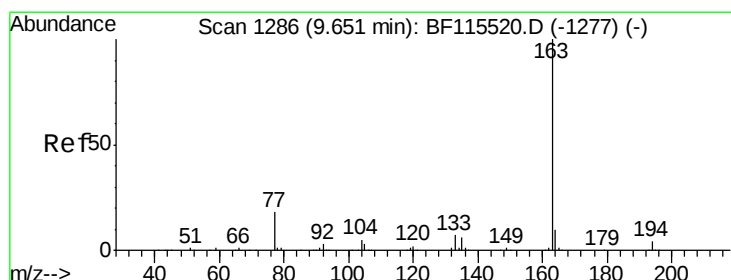
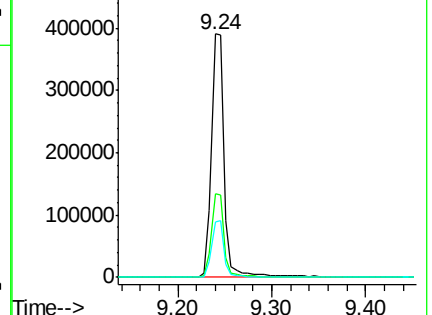
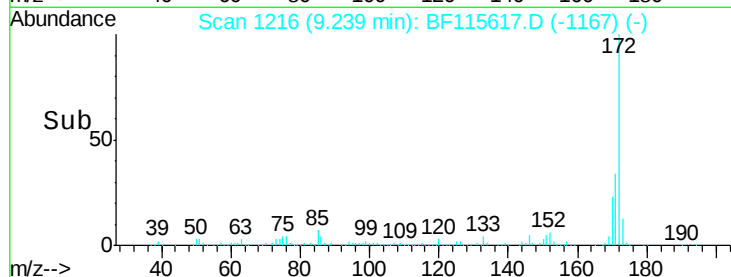
172 100

171 34.5 30.6 46.0

170 22.9 20.5 30.7



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: 2.080 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

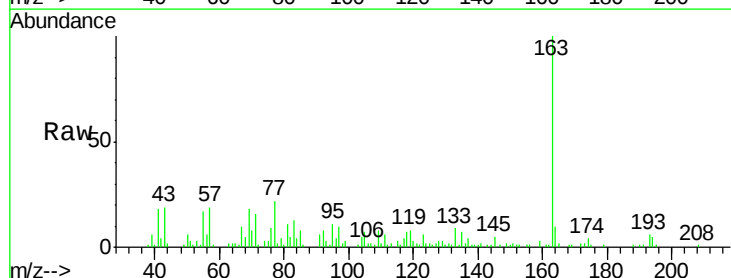
Tgt Ion:163 Resp: 35732

Ion Ratio Lower Upper

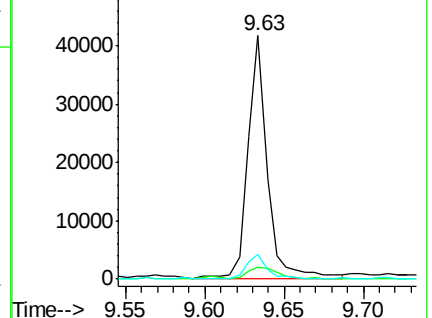
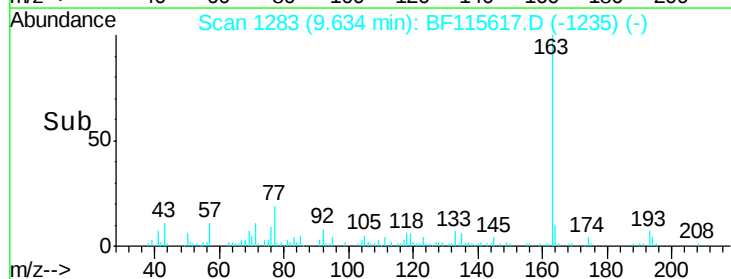
163 100

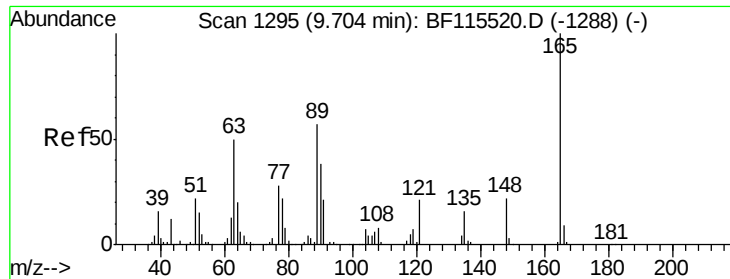
194 4.9 3.3 4.9

164 10.4 8.7 13.1



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

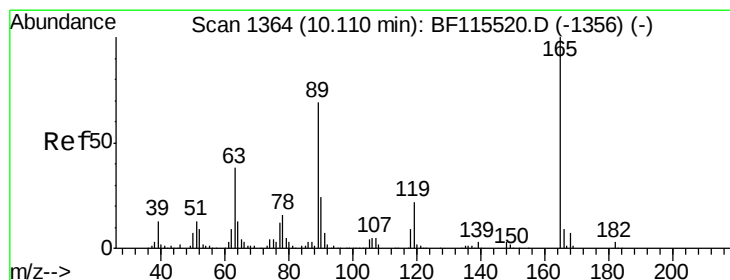
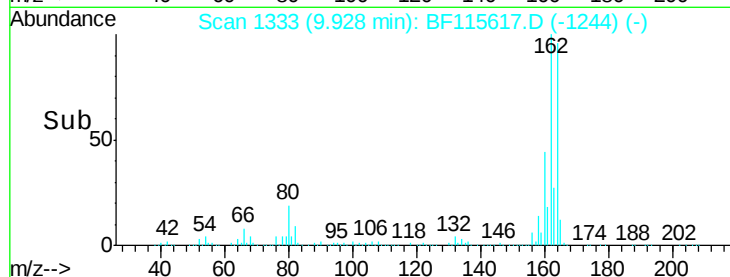
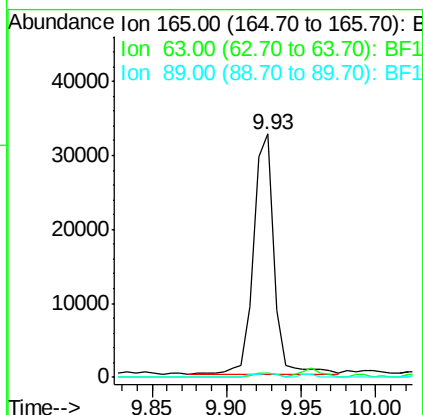
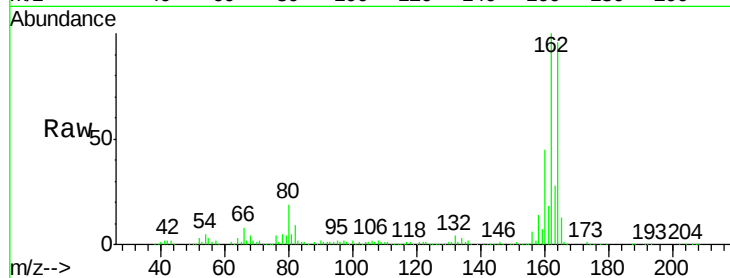




#51
 2,6-Dinitrotoluene
 Concen: 7.924 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF115617.D
 Acq: 17 Jul 2019 00:11

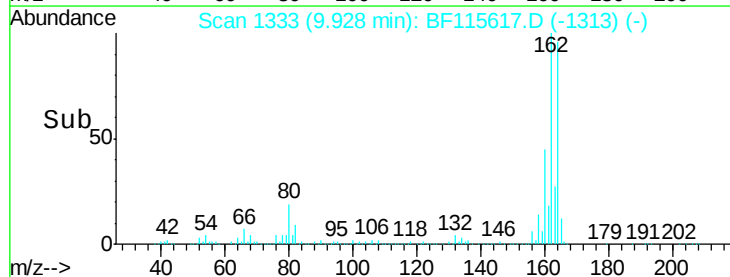
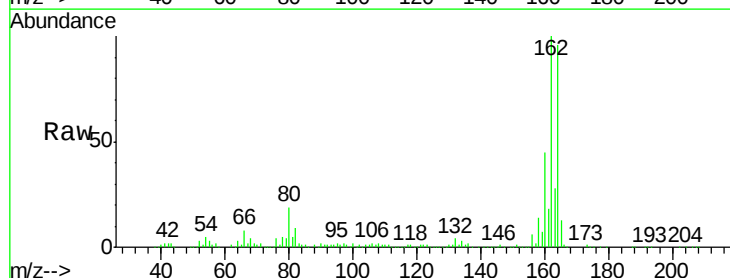
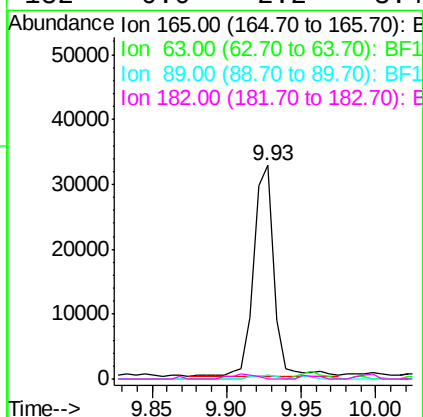
Instrument :
 BNA_F
 ClientSampleId :

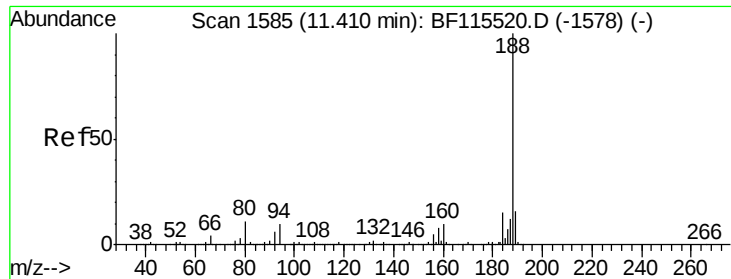
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.6	61.0#
89	1.8	43.9	65.9#



#57
 2,4-Dinitrotoluene
 Concen: 6.116 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF115617.D
 Acq: 17 Jul 2019 00:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.9	52.3#
89	1.8	57.5	86.3#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampleId :

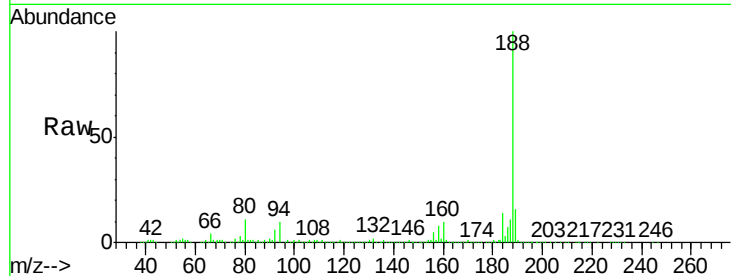
Tot Ion:188 Resp: 438946

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

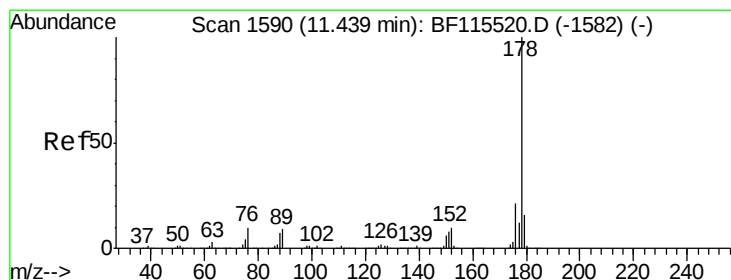
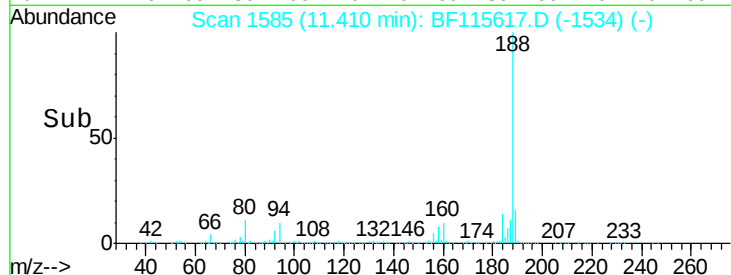
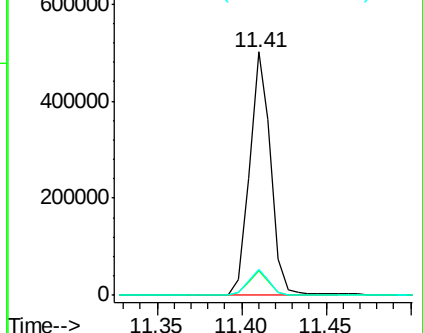
80 10.7 8.6 13.0



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: 4.517 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

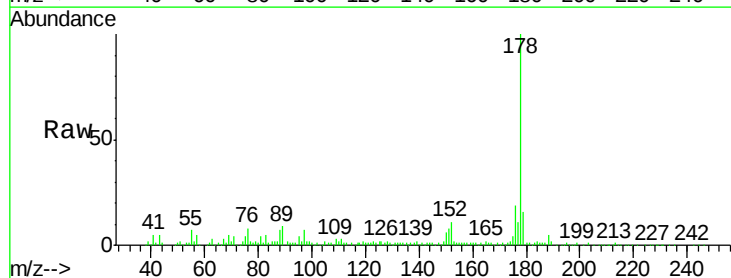
Tgt Ion:178 Resp: 101643

Ion Ratio Lower Upper

178 100

176 19.5 17.2 25.8

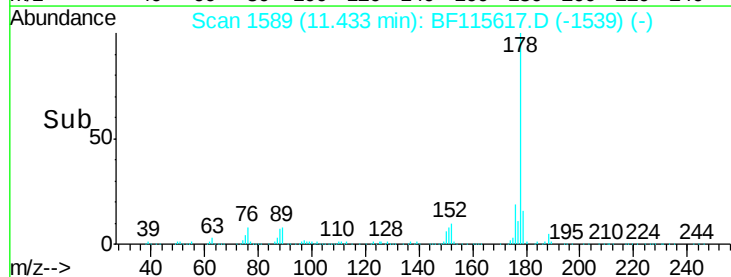
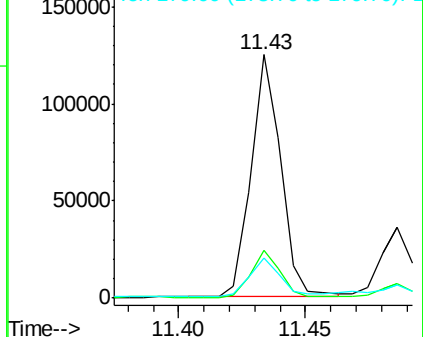
179 16.5 13.5 20.3

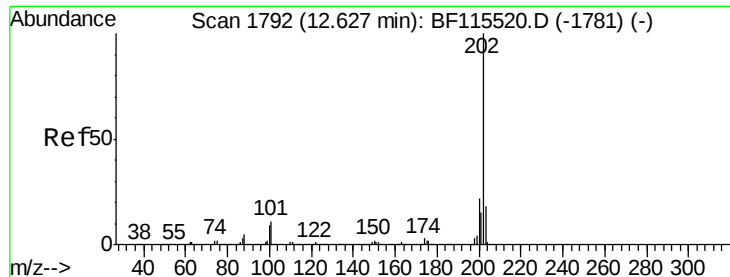


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.581 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampleId :

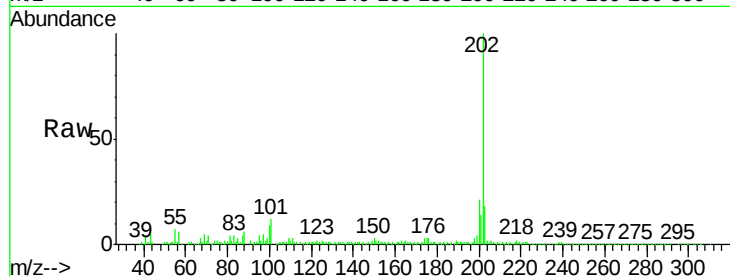
Tot Ion:202 Resp: 180249

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.4

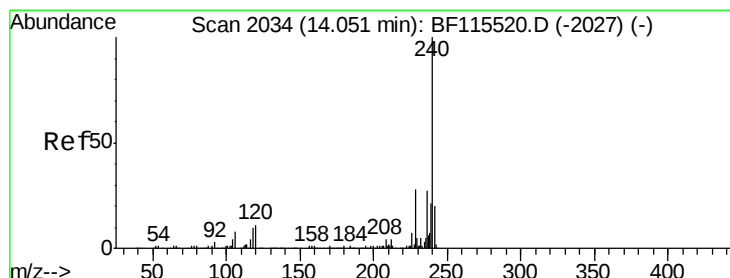
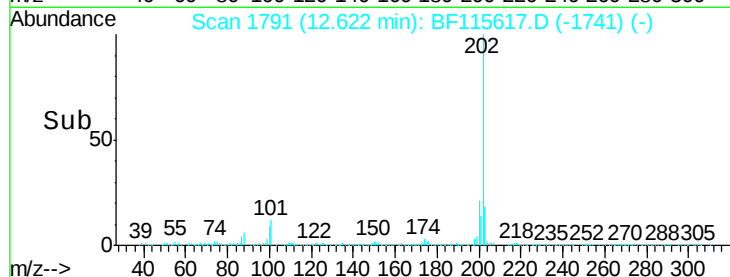
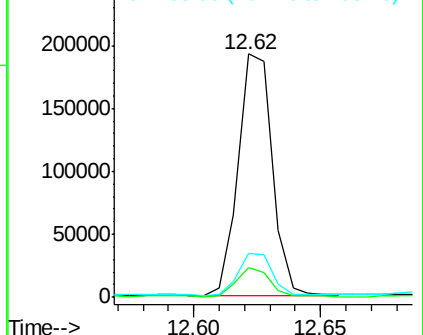
203 18.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.00 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

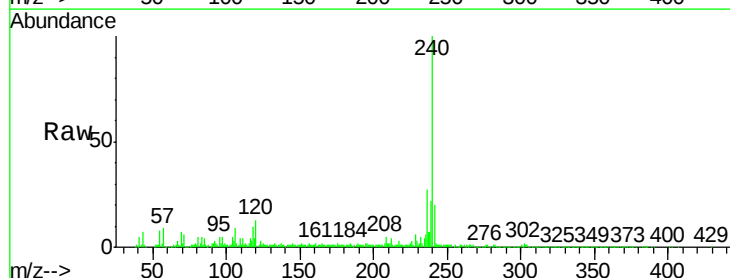
Tgt Ion:240 Resp: 295476

Ion Ratio Lower Upper

240 100

120 12.5 8.6 13.0

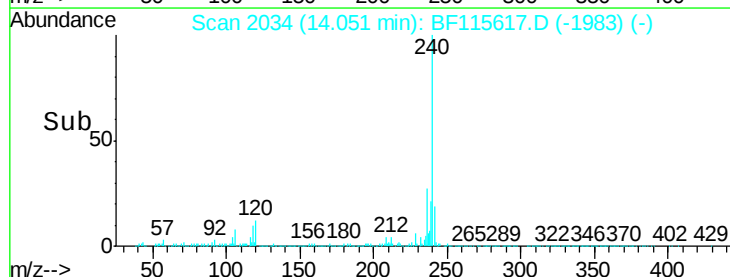
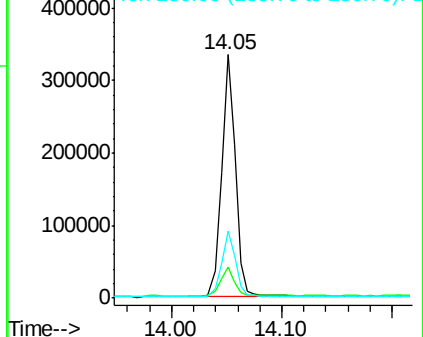
236 27.3 21.3 31.9

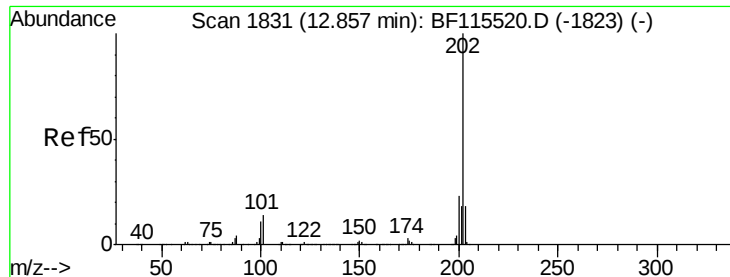


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

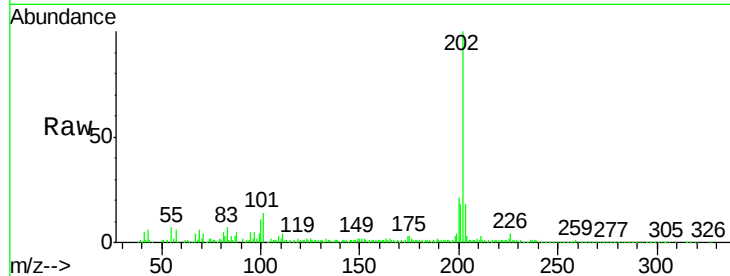




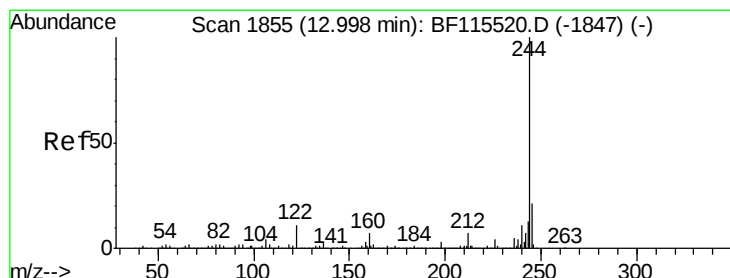
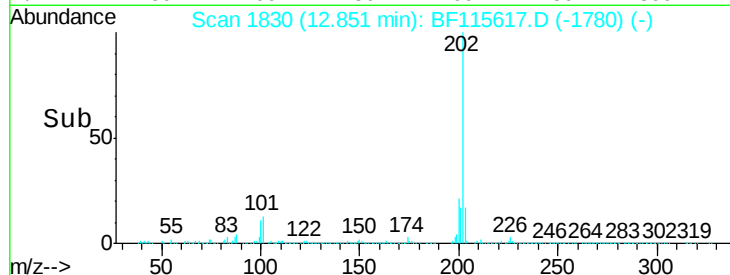
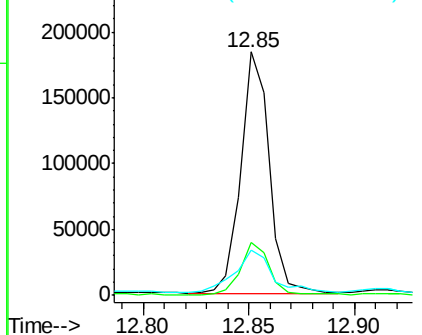
#78
Pvrene
Concen: 6.820 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF115617.D
Acq: 17 Jul 2019 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.7	28.1
203	18.4	15.2	22.8

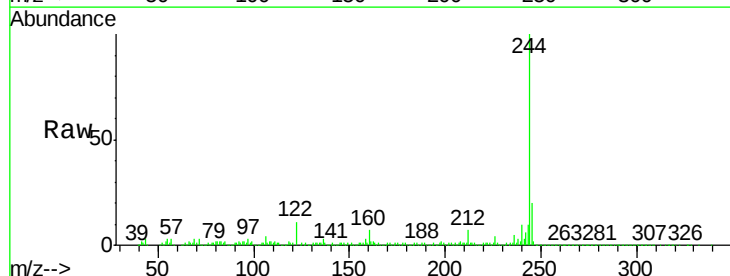


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

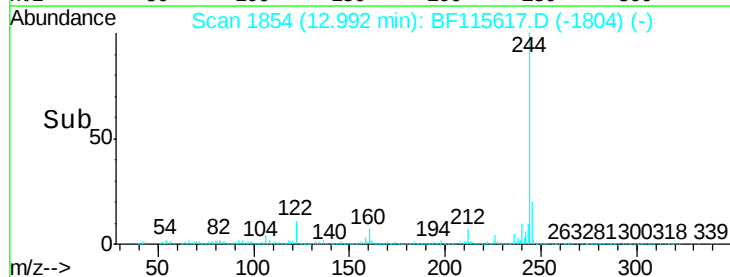
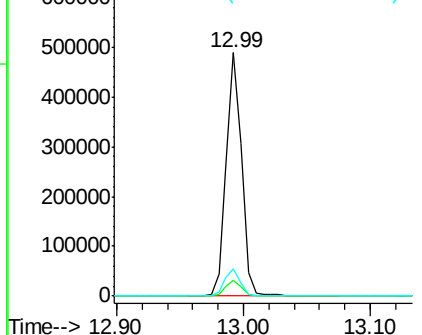


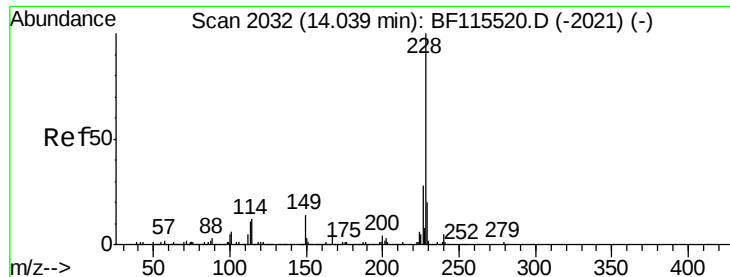
#79
Terphenyl-d14
Concen: 25.723 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF115617.D
Acq: 17 Jul 2019 00:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	11.3	8.6	12.8



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

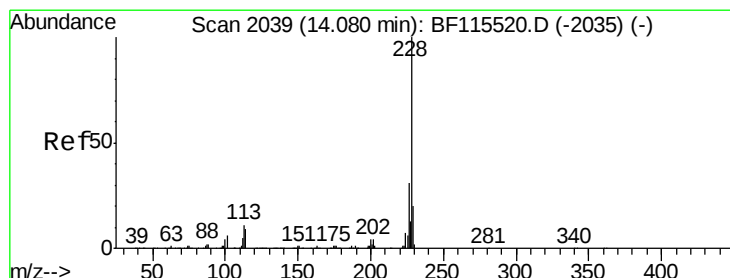
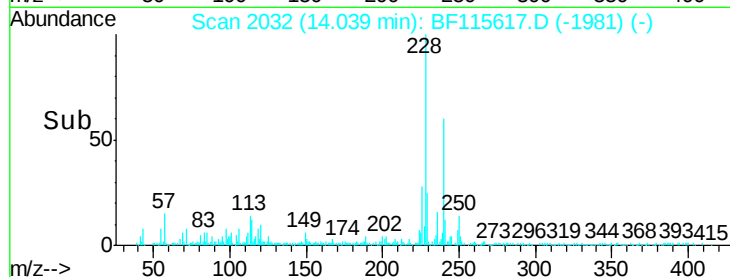
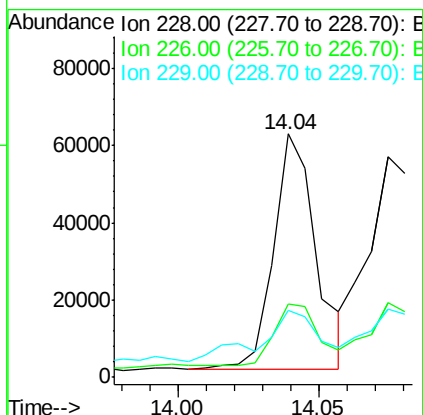
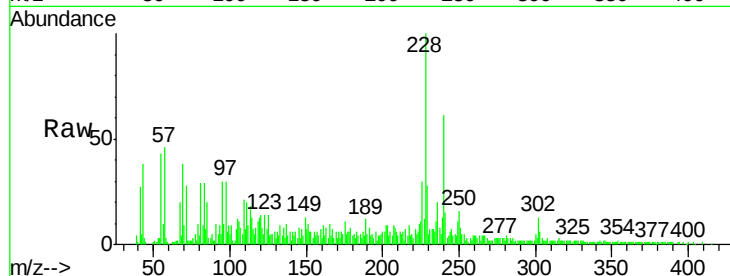




#81
Benzo(a)anthracene
Concen: 3.252 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF115617.D
Acq: 17 Jul 2019 00:11

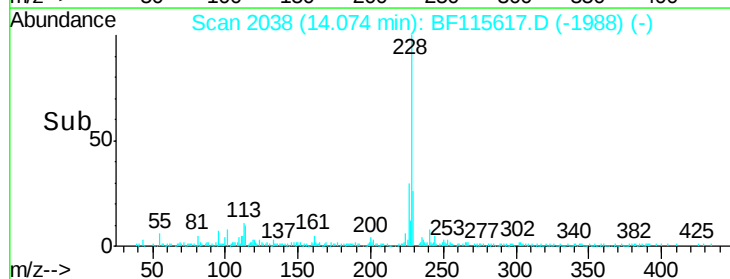
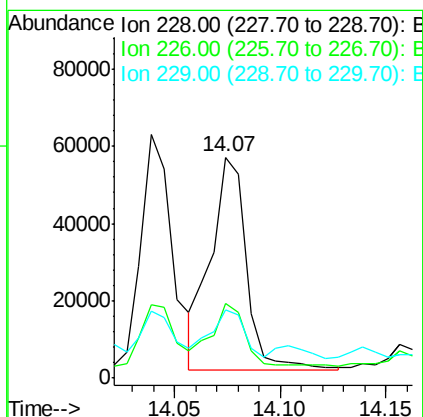
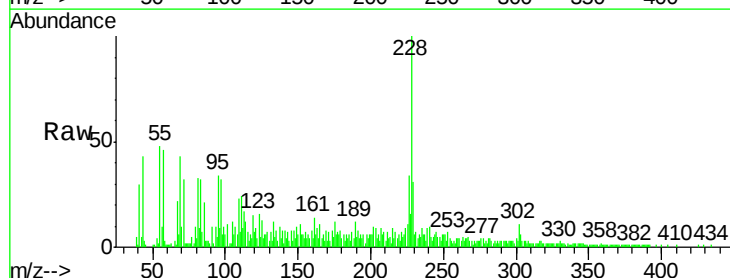
Instrument :
BNA_F
ClientSampleId :

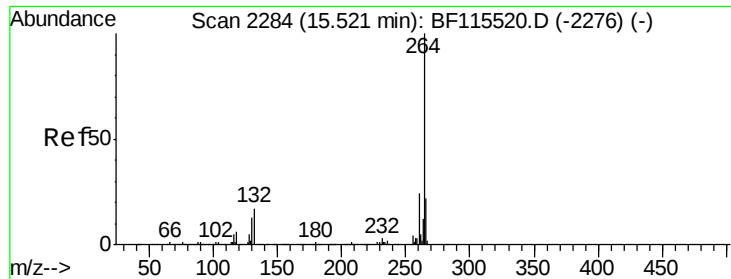
Tot Ion:228 Resp: 63304
Ion Ratio Lower Upper
228 100
226 30.4 23.4 35.0
229 27.5 17.2 25.8#



#83
Chrysene
Concen: 3.316 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115617.D
Acq: 17 Jul 2019 00:11

Tgt Ion:228 Resp: 64803
Ion Ratio Lower Upper
228 100
226 34.0 25.7 38.5
229 31.1 16.6 25.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampleId :

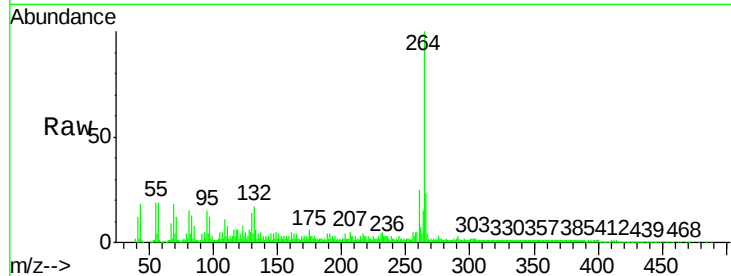
Tot Ion:264 Resp: 241548

Ion Ratio Lower Upper

264 100

260 25.1 19.8 29.8

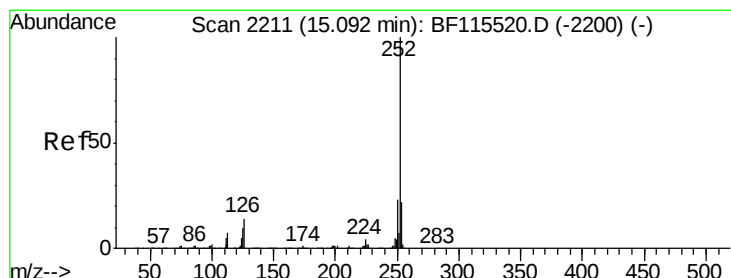
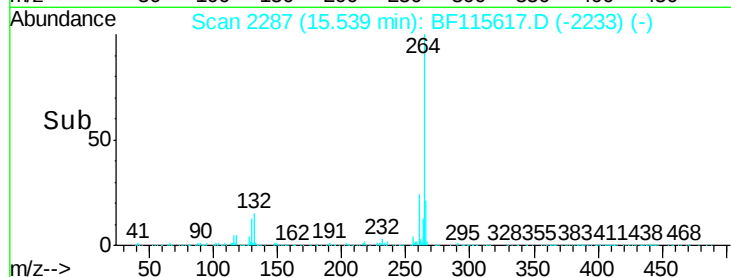
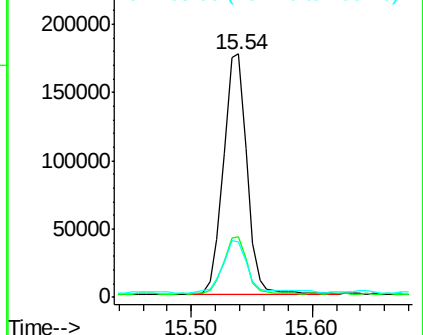
265 23.0 17.7 26.5



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: 4.551 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

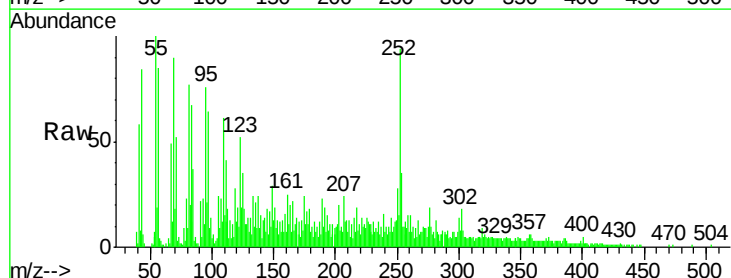
Tgt Ion:252 Resp: 70784

Ion Ratio Lower Upper

252 100

253 37.9 18.1 27.1#

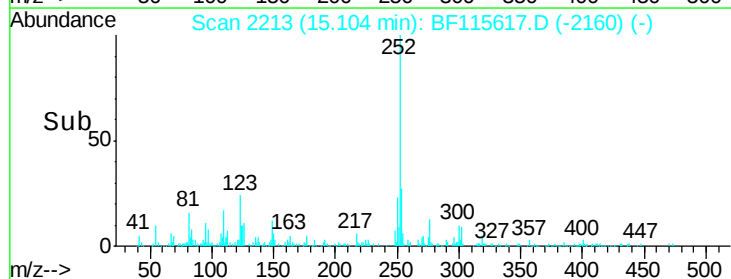
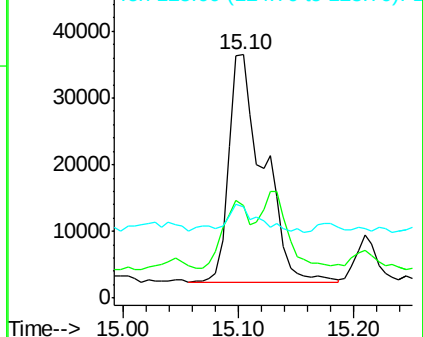
125 37.5 9.0 13.4#

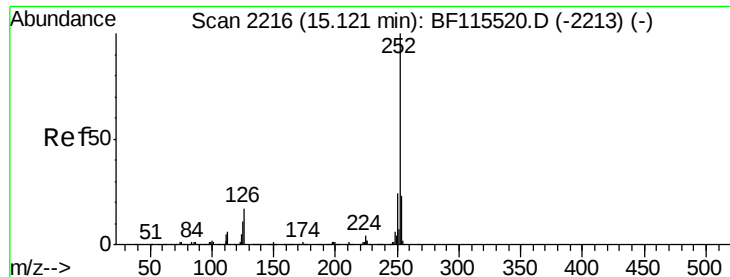


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.104 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampled :

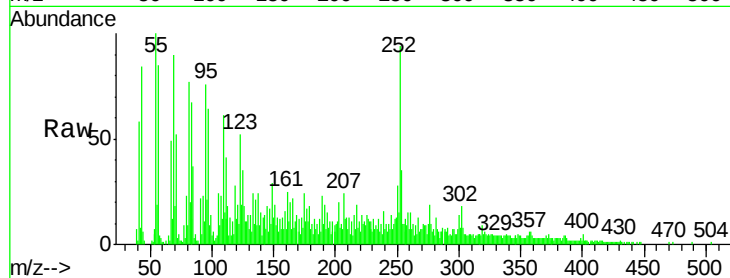
Tot Ion:252 Resp: 70784

Ion Ratio Lower Upper

252 100

253 37.9 18.6 28.0#

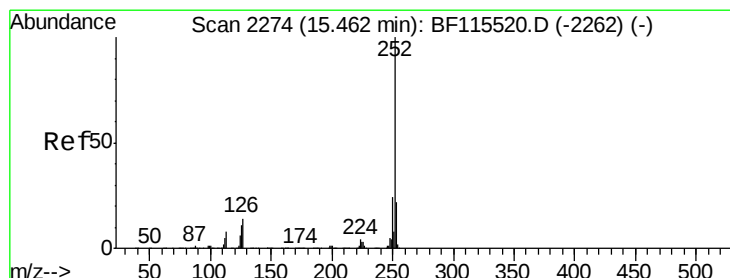
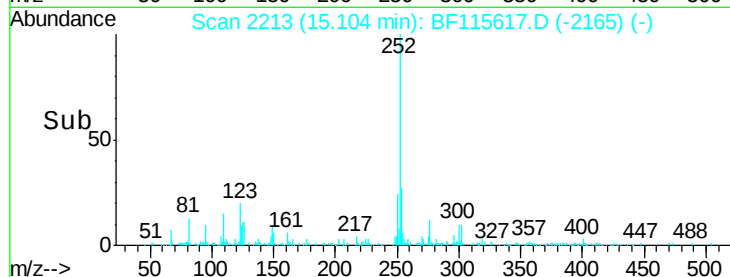
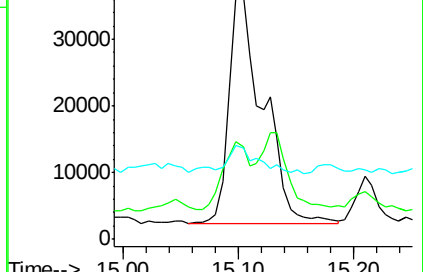
125 37.5 9.0 13.6#



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



#90

Benzo(a)pyrene

Concen: 2.768 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

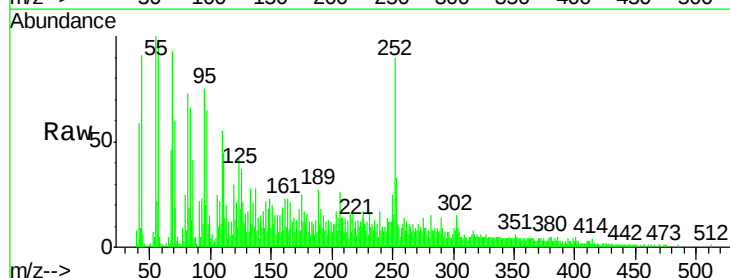
Tgt Ion:252 Resp: 37000

Ion Ratio Lower Upper

252 100

253 37.0 17.8 26.6#

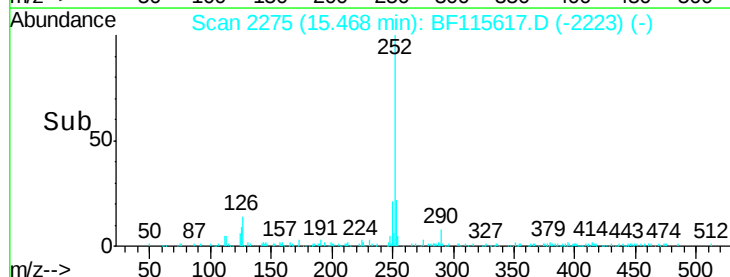
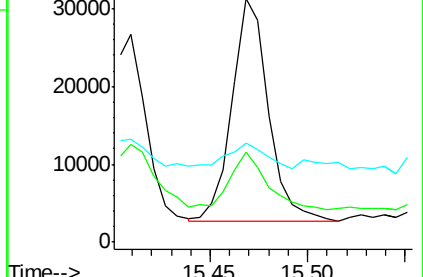
125 40.6 9.1 13.7#

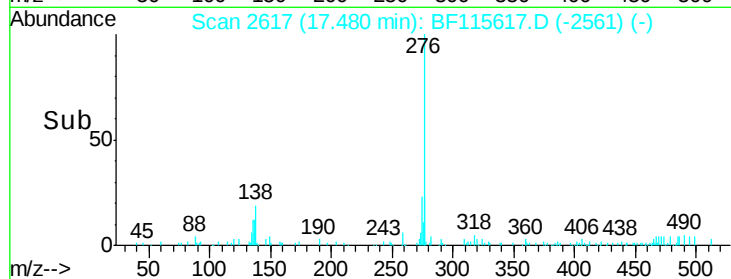
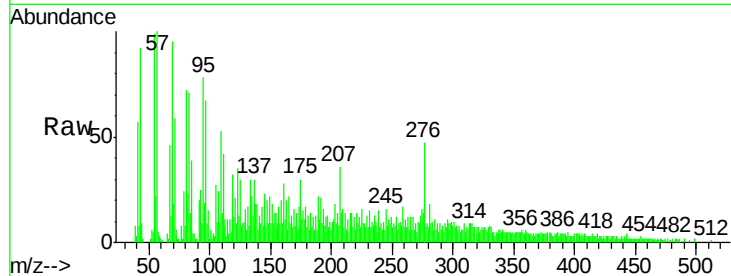
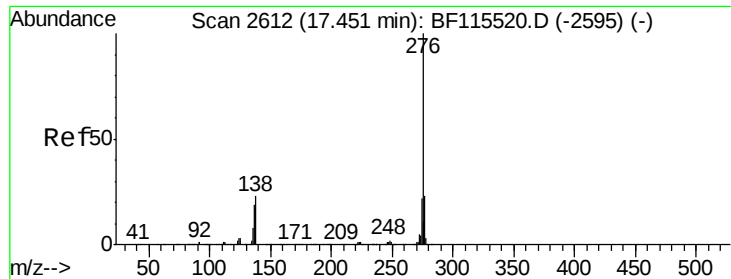


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.204 ng

RT: 17.48 min Scan# 2617

Delta R.T. 0.03 min

Lab File: BF115617.D

Acq: 17 Jul 2019 00:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 25794

Ion Ratio Lower Upper

276 100

277 41.7 19.0 28.4#

138 38.4 17.2 25.8#

