

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
 Data File : BF115133.D
 Acq On : 22 Jun 2019 20:50
 Operator : HP/JU
 Sample : K3158-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

Quant Time: Jun 24 05:56:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 24 04:21:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	746273	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	2721852	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	1346510	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	2351629	20.00	ng	0.00
76) Chrysene-d12	13.74	240	1522641	20.00	ng	-0.01
87) Perylene-d12	15.10	264	1575779	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	792422	16.39	ng	0.00
7) Phenol-d6	6.24	99	1000361	17.04	ng	-0.01
23) Nitrobenzene-d5	7.17	82	579994	13.11	ng	-0.02
42) 2,4,6-Tribromophenol	10.41	330	228206	16.07	ng	-0.02
45) 2-Fluorobiphenyl	8.97	172	1026824	12.95	ng	-0.02
79) Terphenyl-d14	12.69	244	870285	12.15	ng	-0.02

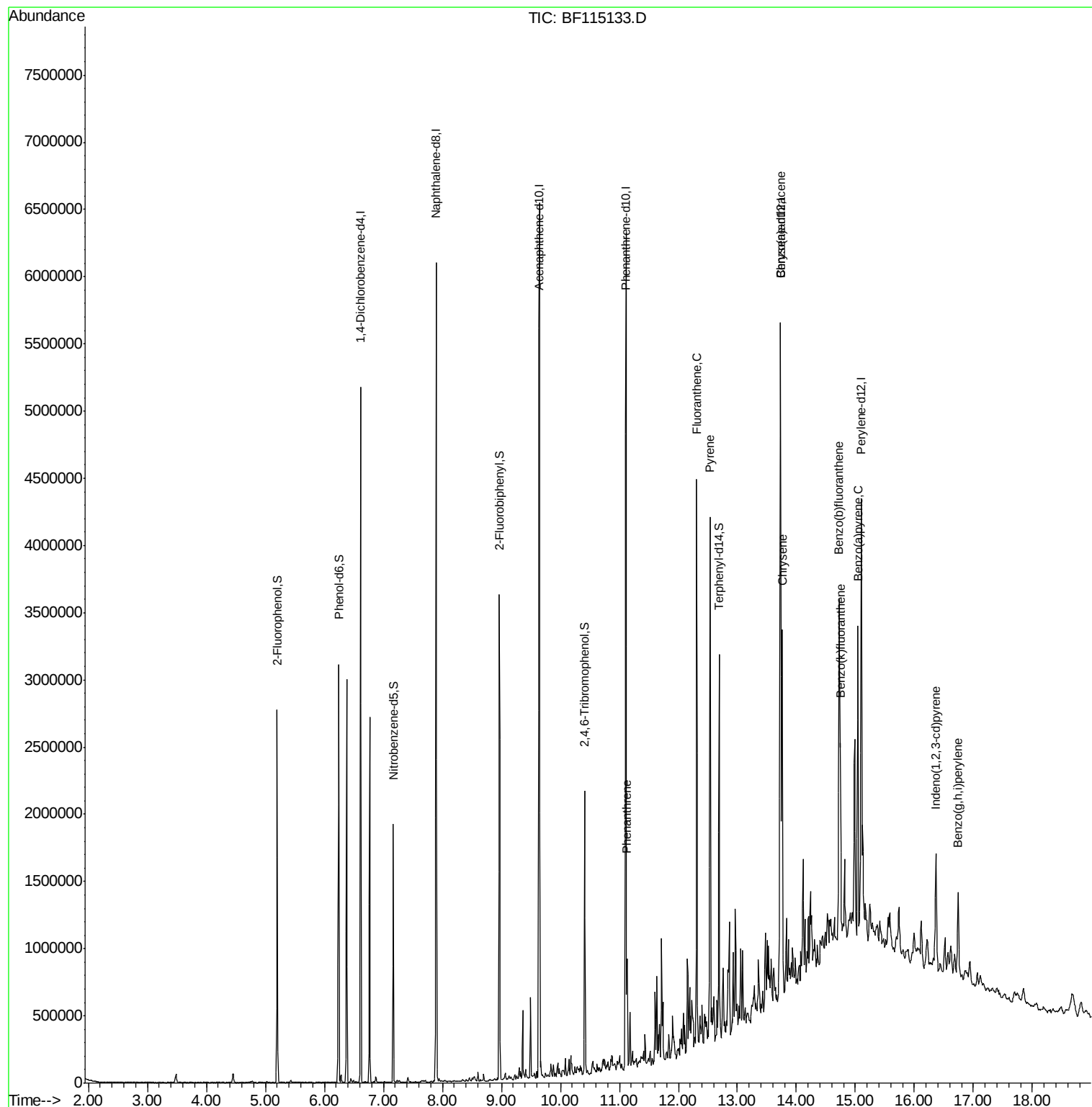
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	11.13	178	393571	3.108	ng	98
75) Fluoranthene	12.31	202	1550836	12.276	ng	99
78) Pyrene	12.54	202	1665916	14.237	ng	98
81) Benzo(a)anthracene	13.72	228	1102902	10.095	ng	96
83) Chrysene	13.76	228	1084578	10.837	ng	98
86) Indeno(1,2,3-cd)pyrene	16.37	276	540708	4.566	ng	94
88) Benzo(b)fluoranthene	14.72	252	1571161m	15.979	ng	
89) Benzo(k)fluoranthene	14.75	252	348311m	3.950	ng	
90) Benzo(a)pyrene	15.04	252	1010760	11.405	ng	99
92) Benzo(g,h,i)perylene	16.74	276	474077	5.662	ng	98

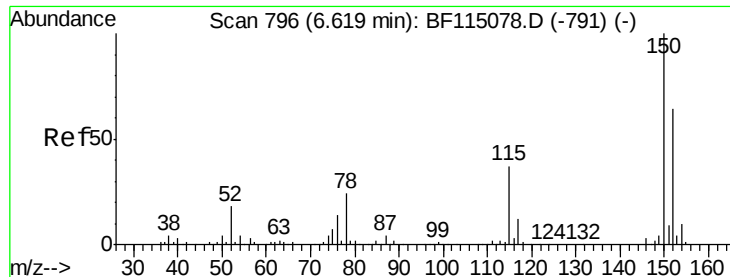
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062219\
Data File : BF115133.D
Acq On : 22 Jun 2019 20:50
Operator : HP/JU
Sample : K3158-05 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Quant Time: Jun 24 05:56:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 24 04:21:29 2019
Response via : Initial Calibration



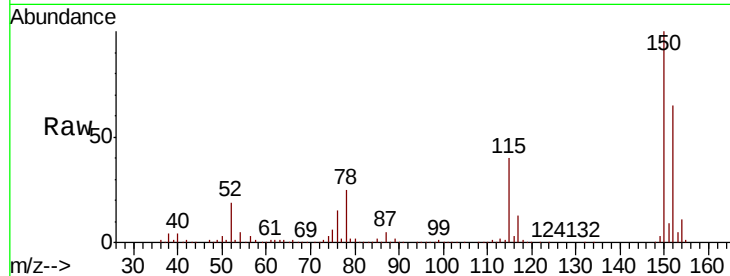


#1

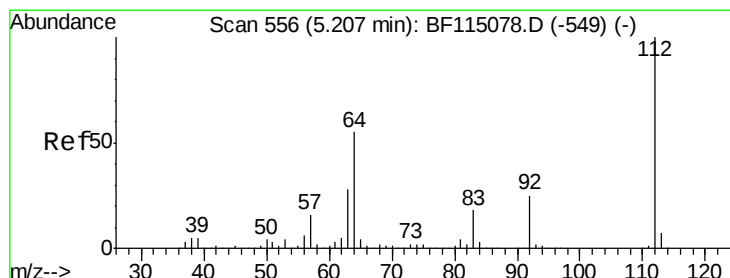
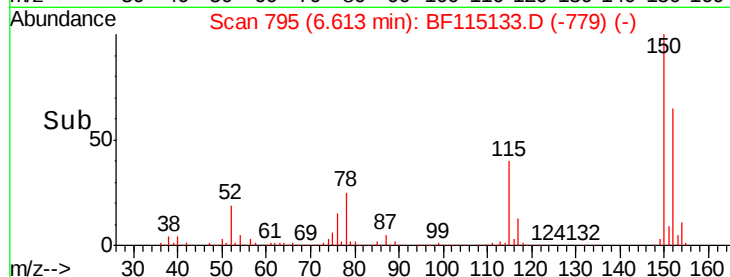
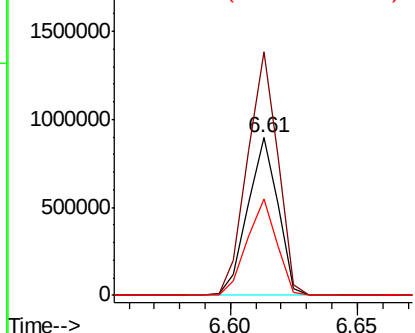
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion:152 Resp: 746273
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 61.1 46.1 69.1



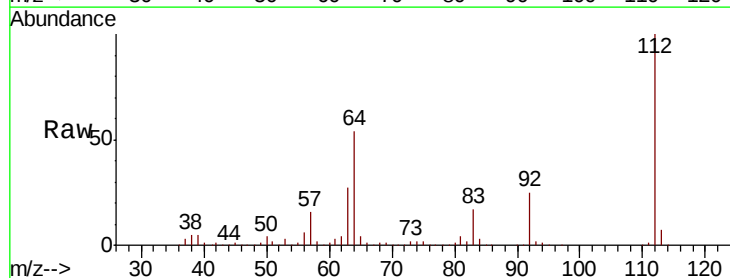
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



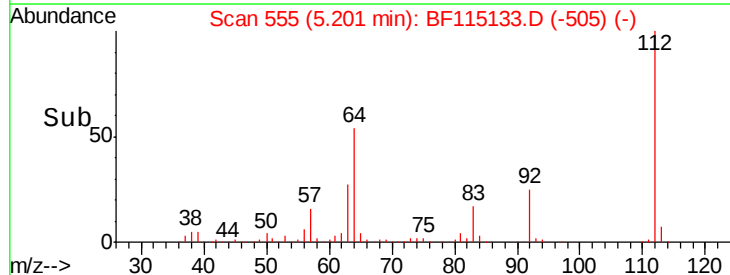
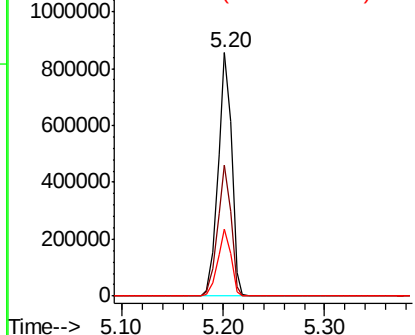
#5

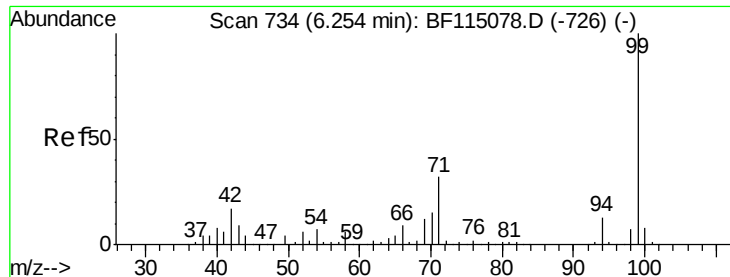
2-Fluorophenol
Concen: 16.386 ng
RT: 5.20 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:112 Resp: 792422
Ion Ratio Lower Upper
112 100
64 54.0 43.8 65.6
63 27.3 22.2 33.4



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: 17.043 ng

RT: 6.24 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

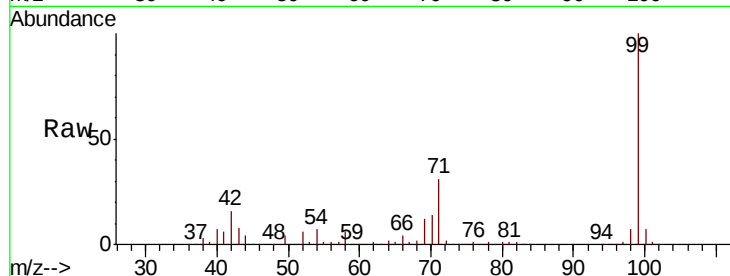
Tot Ion: 99 Resp: 1000361

Ion Ratio Lower Upper

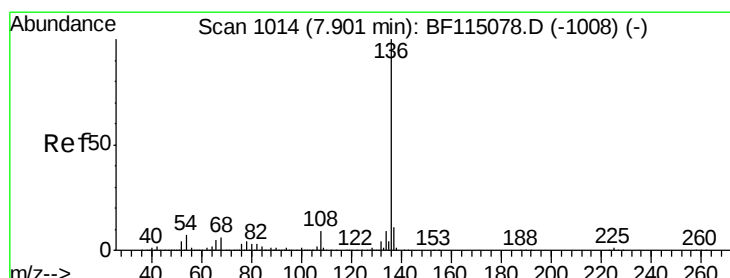
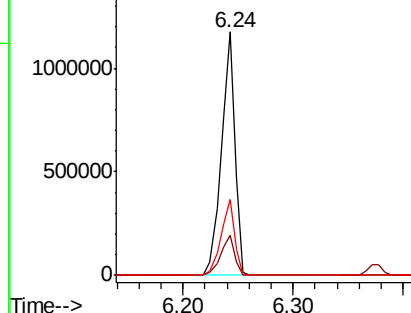
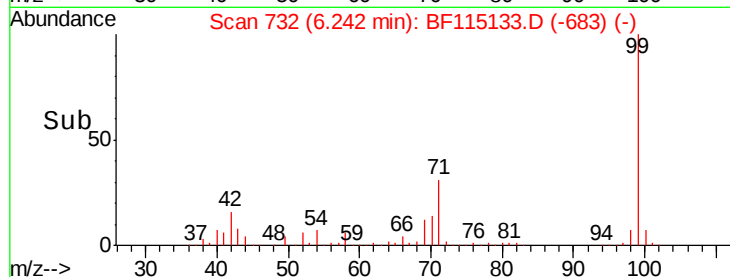
99 100

42 16.5 13.6 20.4

71 31.4 25.5 38.3



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: 7.90 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Tgt Ion: 136 Resp: 2721852

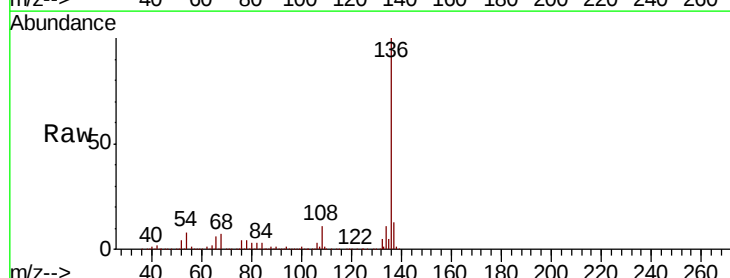
Ion Ratio Lower Upper

136 100

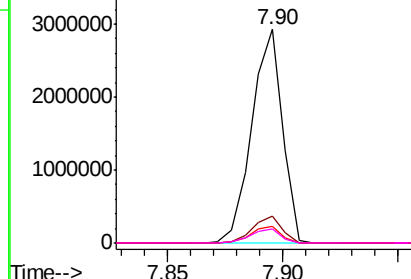
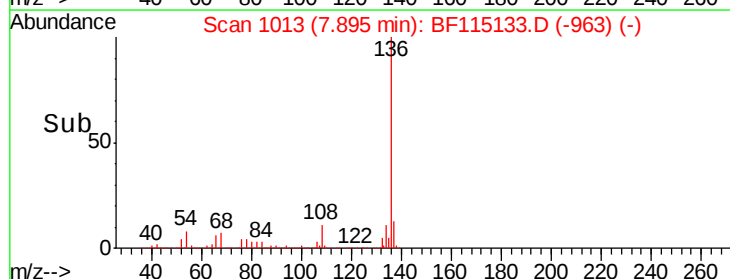
137 12.6 8.9 13.3

54 7.6 5.6 8.4

68 6.6 4.8 7.2



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

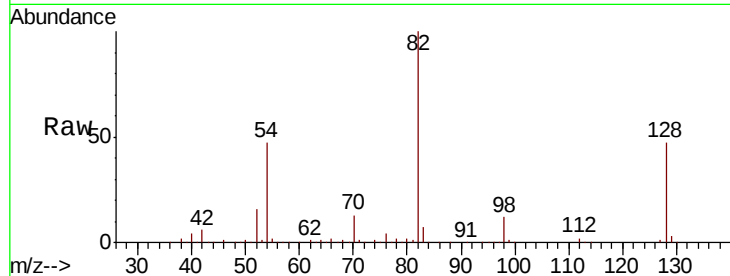




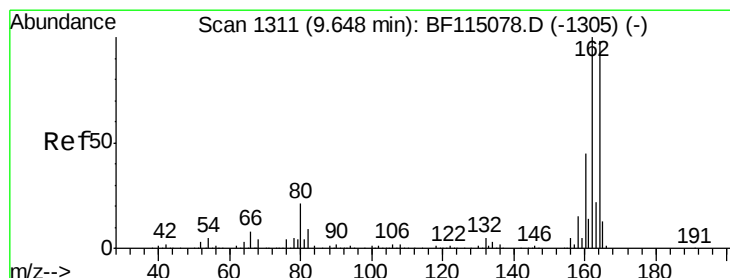
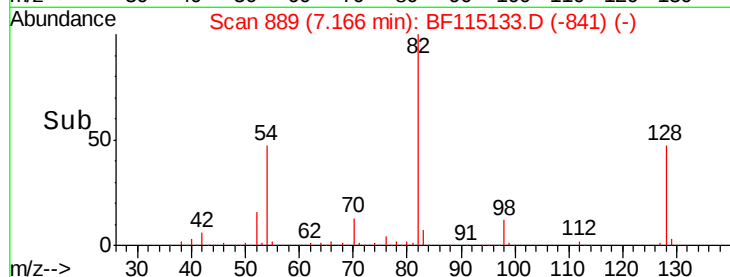
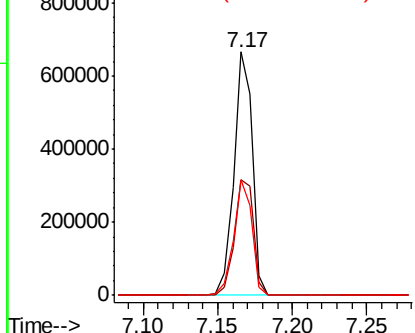
#23
 Nitrobenzene-d5
 Concen: 13.108 ng
 RT: 7.17 min Scan# 889
 Delta R.T. -0.02 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

Tot Ion: 82 Resp: 579994
 Ion Ratio Lower Upper
 82 100
 128 47.4 40.4 60.6
 54 47.4 37.5 56.3

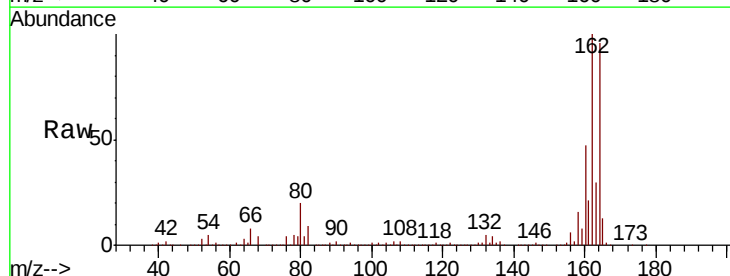


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

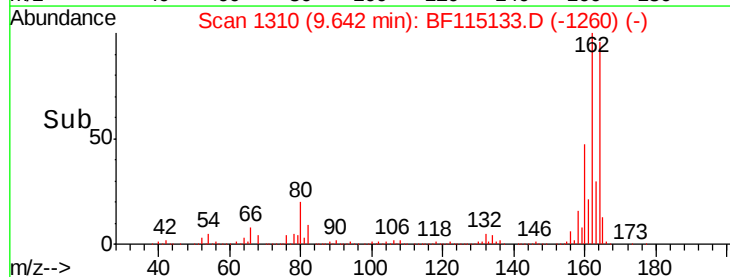
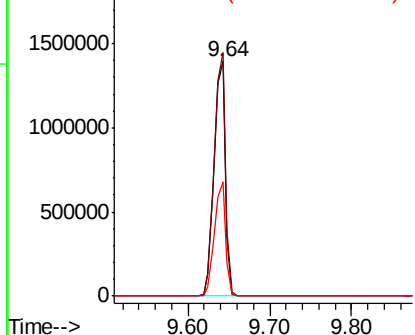


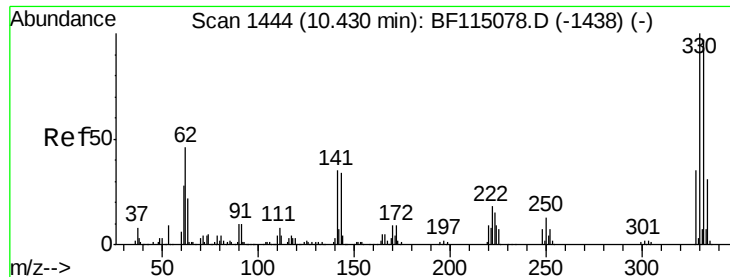
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.64 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Tgt Ion:164 Resp: 1346510
 Ion Ratio Lower Upper
 164 100
 162 103.9 81.7 122.5
 160 49.1 37.0 55.4



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

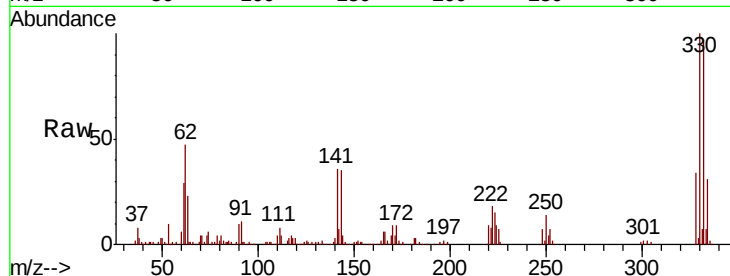




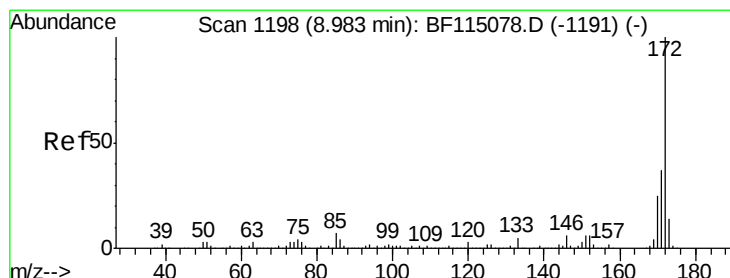
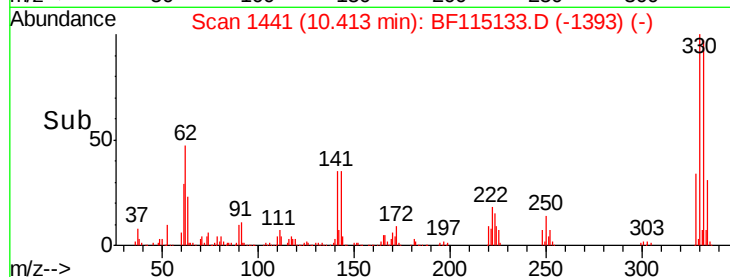
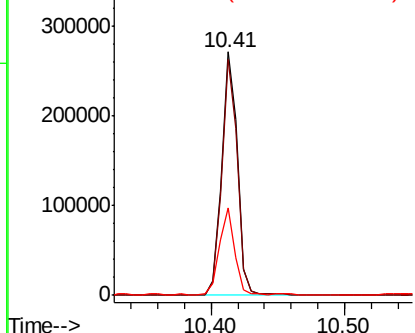
#42
 2,4,6-Tribromophenol
 Concen: 16.071 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

Tot Ion:330 Resp: 228206
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 34.0 28.2 42.2

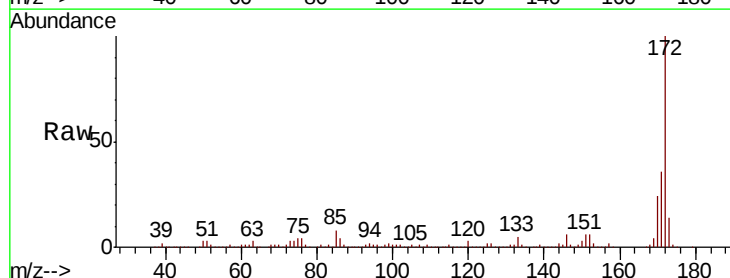


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

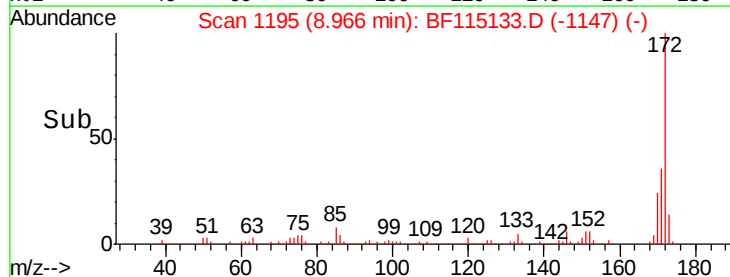
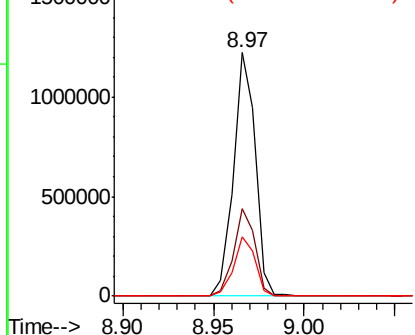


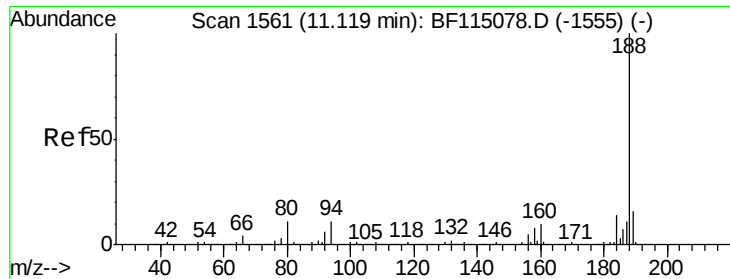
#45
 2-Fluorobiphenyl
 Concen: 12.953 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Tgt Ion:172 Resp: 1026824
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.8 44.6
 170 24.3 20.3 30.5



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

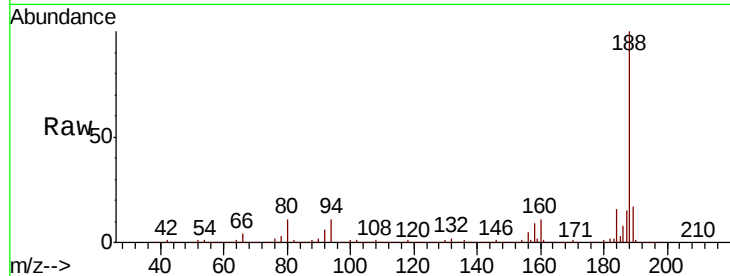




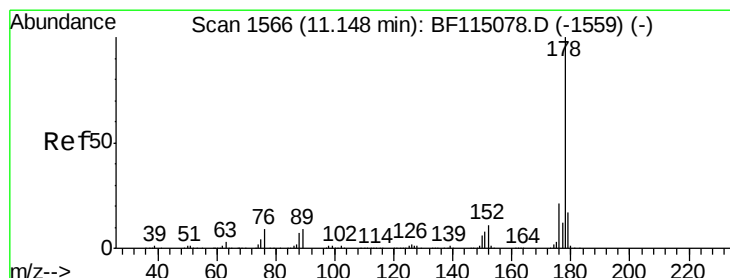
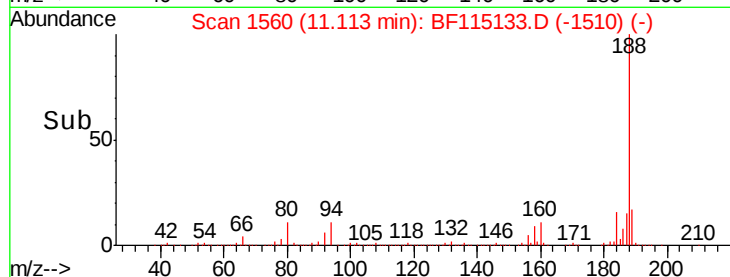
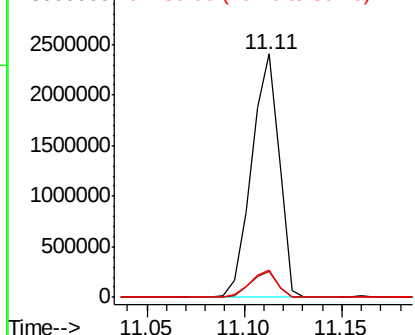
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion:188 Resp: 2351629
Ion Ratio Lower Upper
188 100
94 10.5 8.6 12.8
80 11.0 8.8 13.2

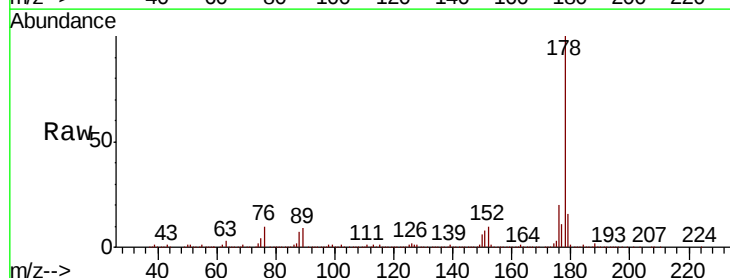


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

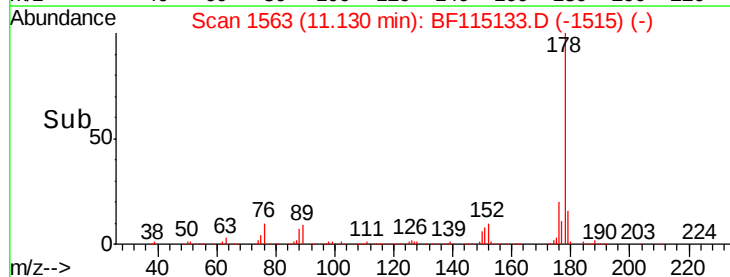
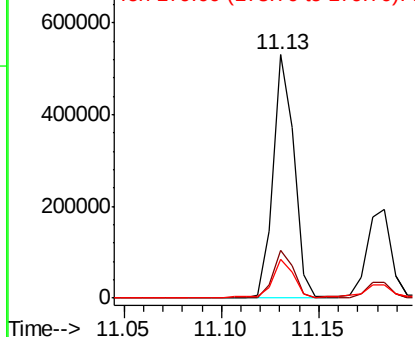


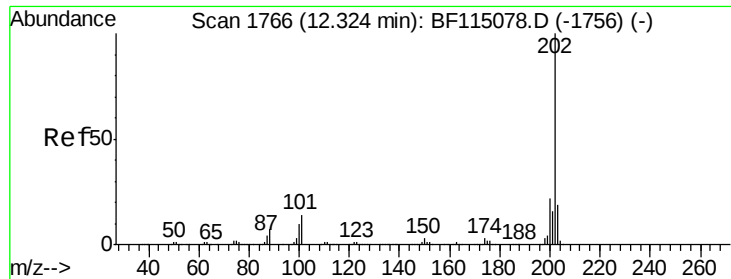
#71
Phenanthrene
Concen: 3.108 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:178 Resp: 393571
Ion Ratio Lower Upper
178 100
176 19.7 16.9 25.3
179 15.9 13.2 19.8



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: 12.276 ng

RT: 12.31 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

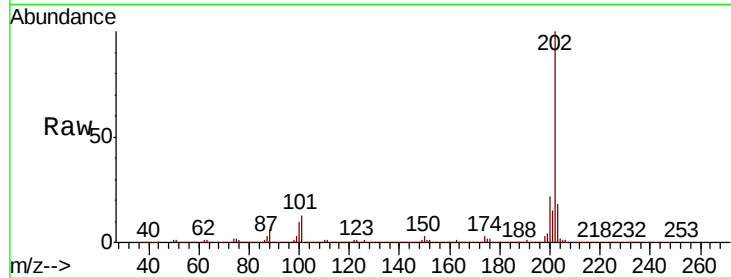
Tot Ion:202 Resp: 1550836

Ion Ratio Lower Upper

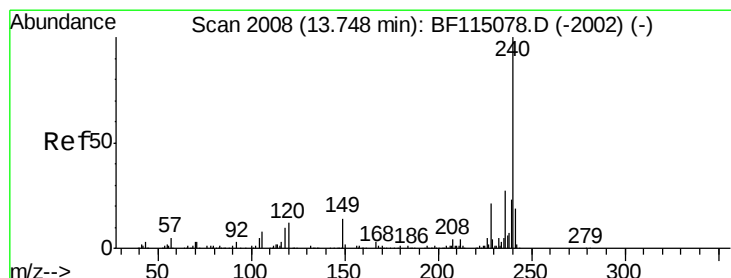
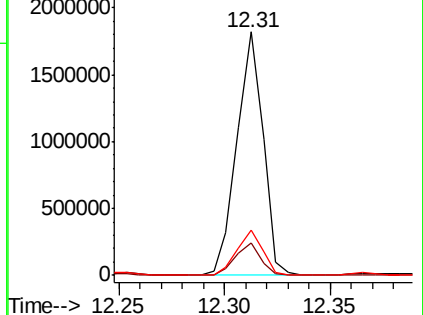
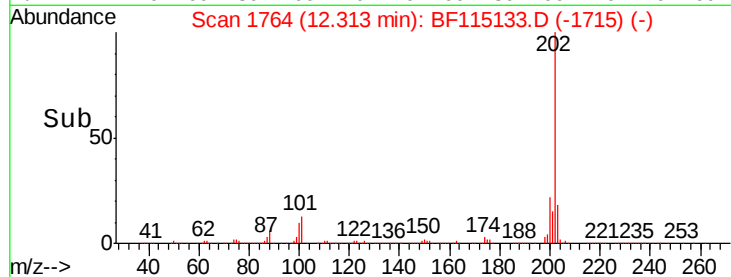
202 100

101 13.1 0.0 34.0

203 18.5 0.0 38.8



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: 13.74 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

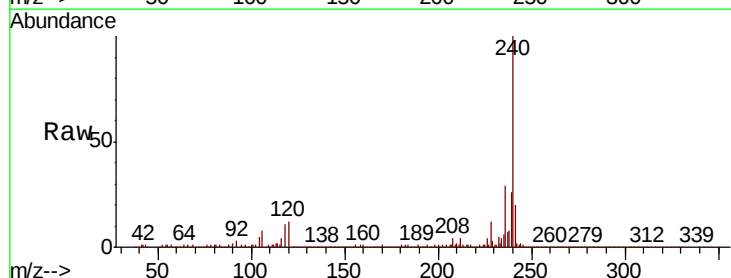
Tgt Ion:240 Resp: 1522641

Ion Ratio Lower Upper

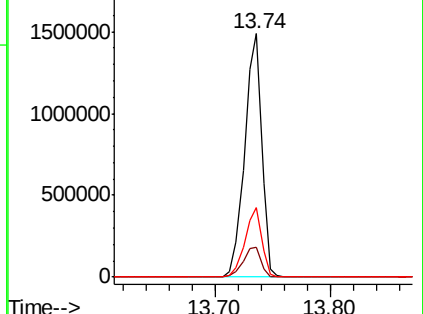
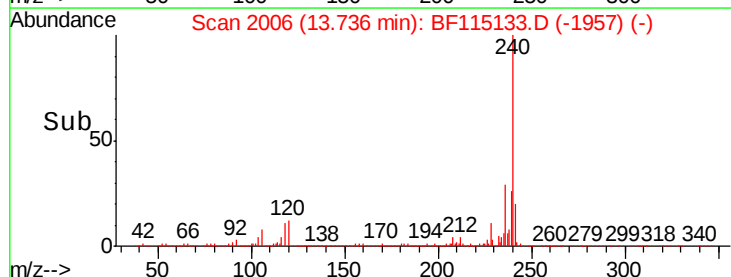
240 100

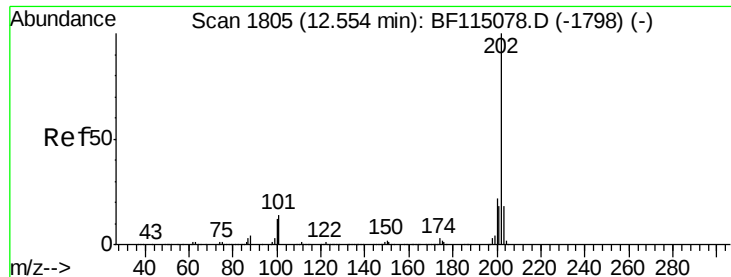
120 12.1 9.4 14.2

236 28.8 21.7 32.5



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

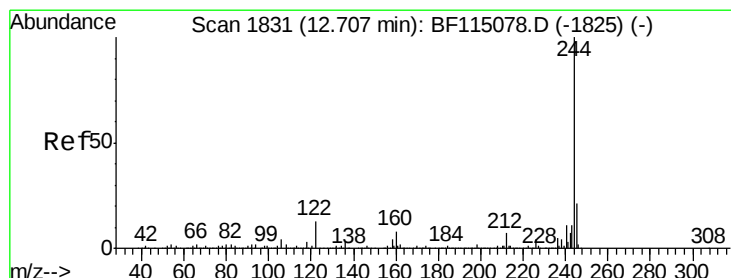
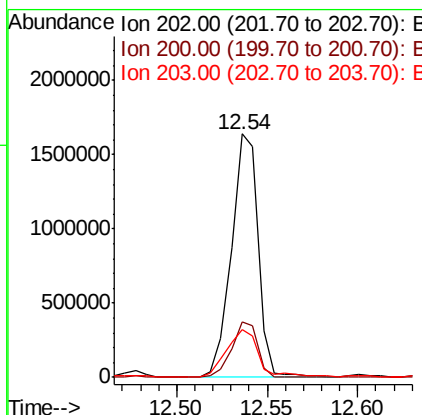
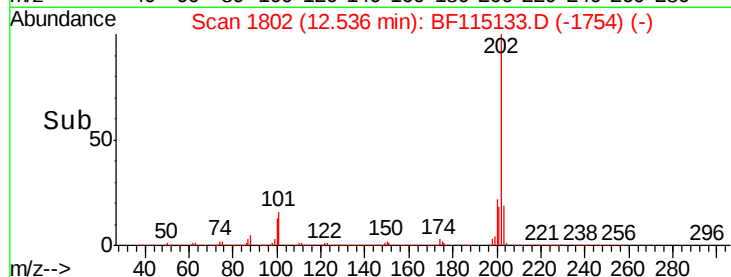
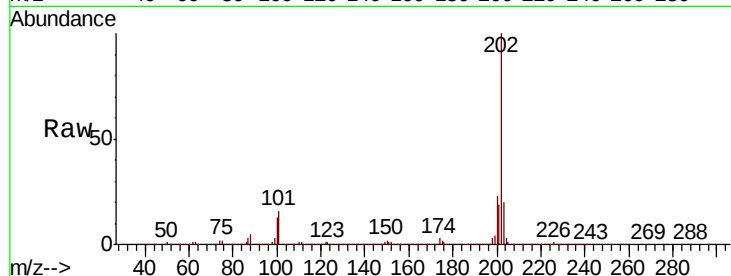




#78
Pvrene
Concen: 14.237 ng
RT: 12.54 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

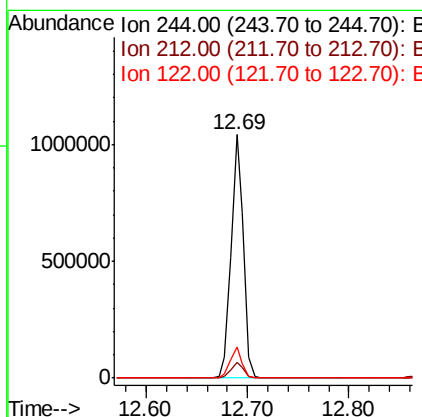
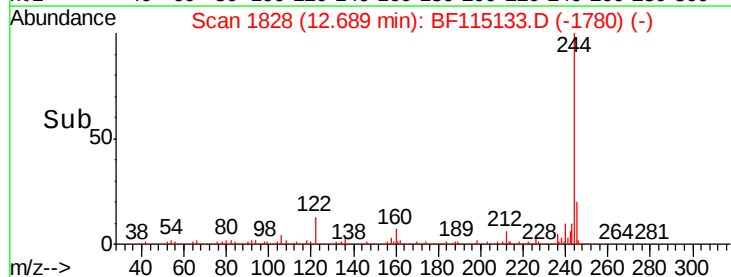
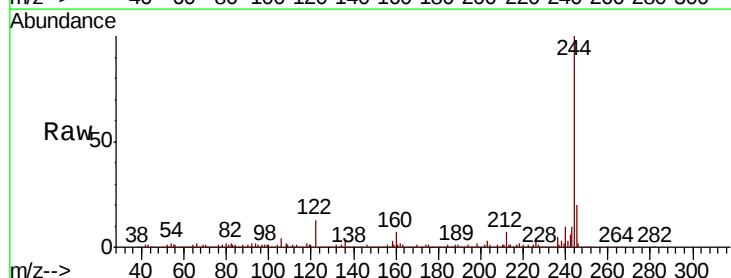
Instrument :
BNA_F
ClientSampleId :
OK-03-062019

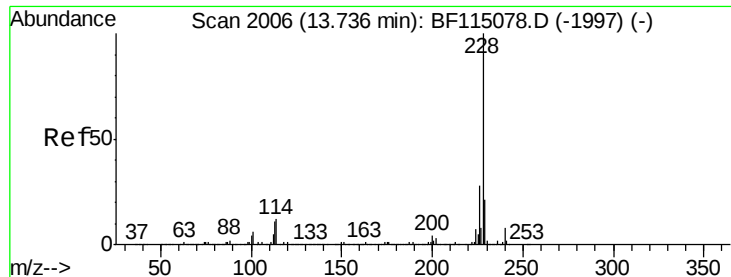
Tot Ion:202 Resp: 1665916
Ion Ratio Lower Upper
202 100
200 22.6 17.9 26.9
203 19.6 14.6 21.8



#79
Terphenyl-d14
Concen: 12.152 ng
RT: 12.69 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:244 Resp: 870285
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.6
122 13.0 10.4 15.6

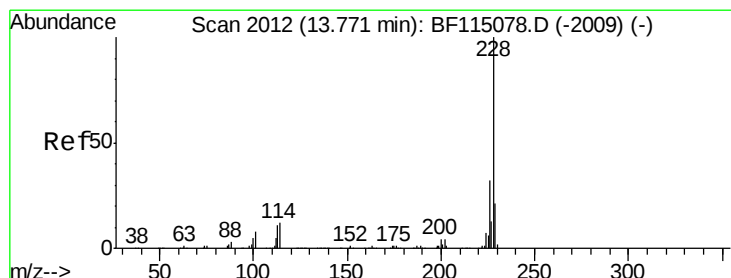
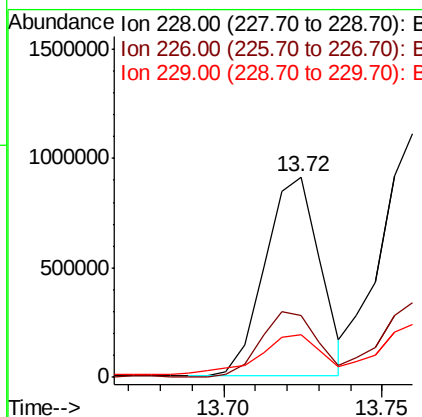
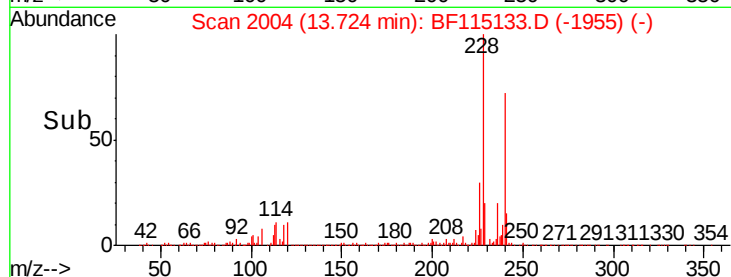
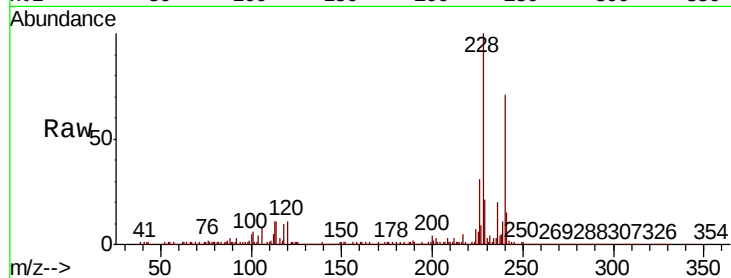




#81
Benzo(a)anthracene
Concen: 10.095 ng
RT: 13.72 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

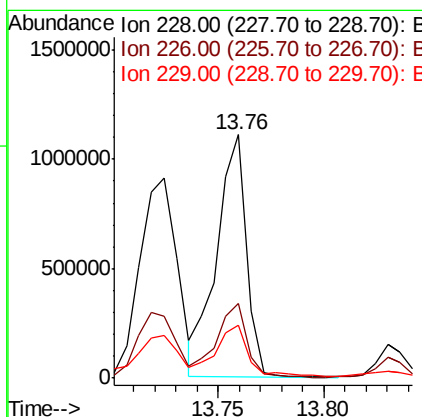
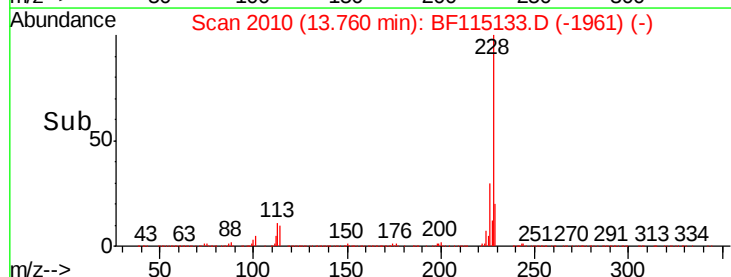
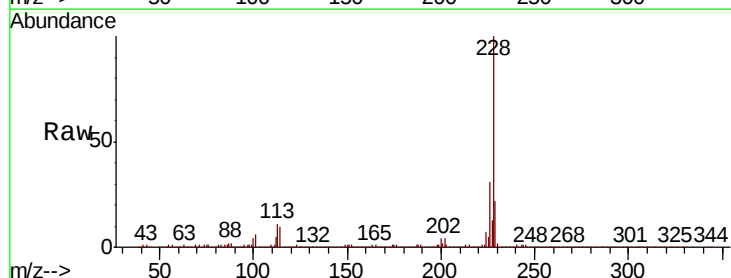
Instrument :
BNA_F
ClientSampleId :
OK-03-062019

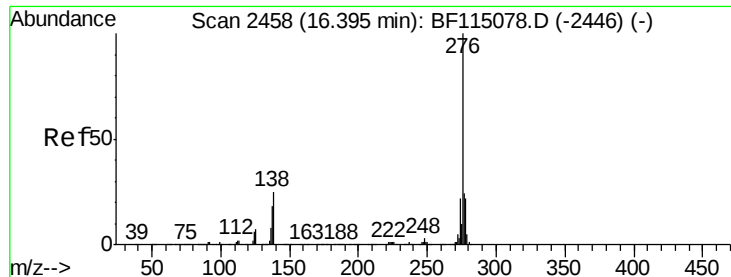
Tot Ion:228 Resp: 1102902
Ion Ratio Lower Upper
228 100
226 30.8 22.5 33.7
229 21.5 16.6 24.8



#83
Chrysene
Concen: 10.837 ng
RT: 13.76 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:228 Resp: 1084578
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 21.9 16.5 24.7

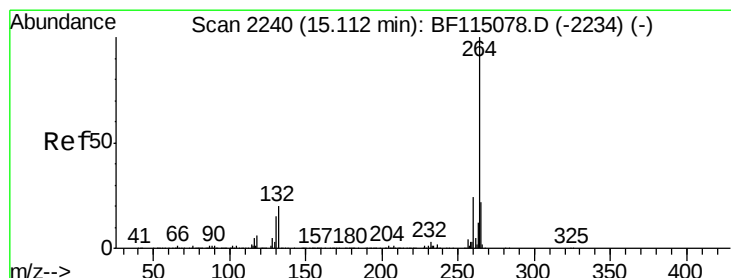
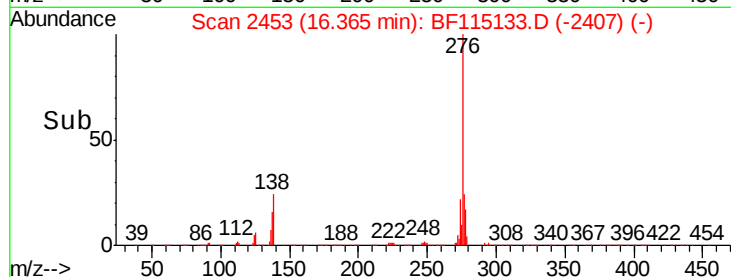
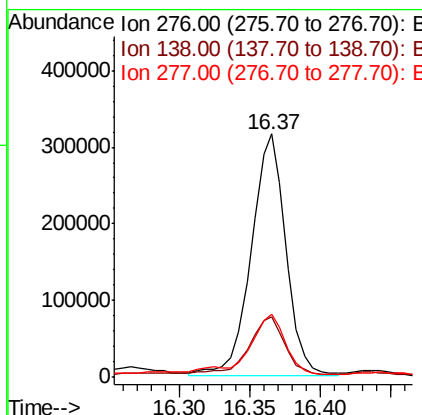
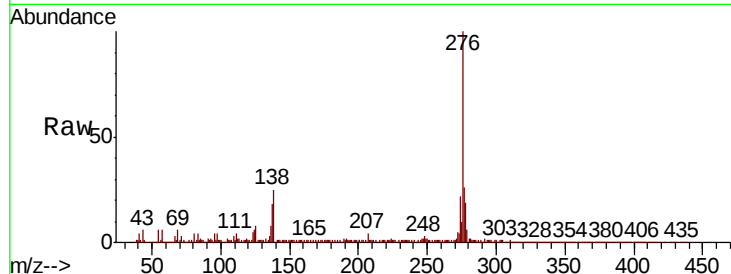




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.566 ng
 RT: 16.37 min Scan# 2453
 Delta R.T. -0.03 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

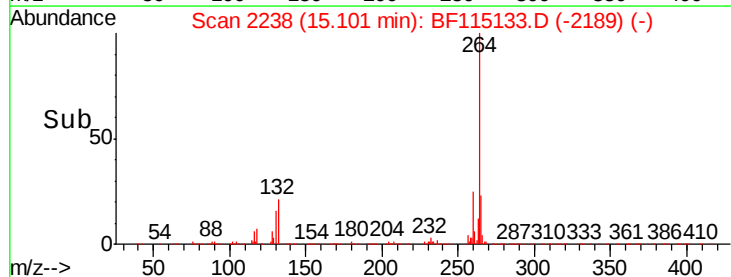
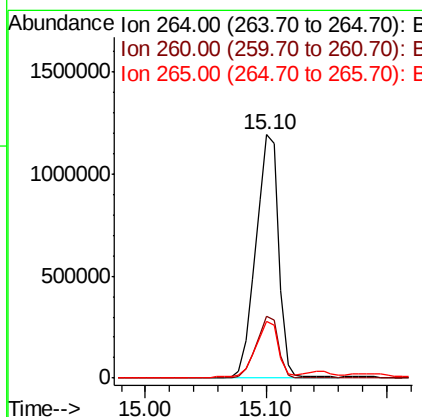
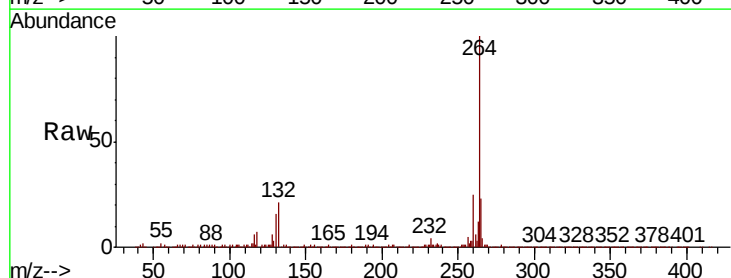
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

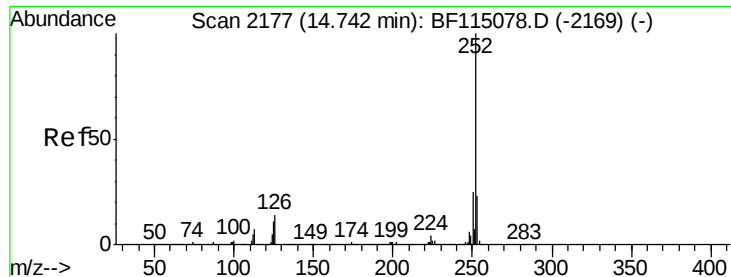
Tot Ion:276 Resp: 540708
 Ion Ratio Lower Upper
 276 100
 138 24.8 23.2 34.8
 277 27.1 20.1 30.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.10 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Tgt Ion:264 Resp: 1575779
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.6 29.4
 265 23.1 17.3 25.9

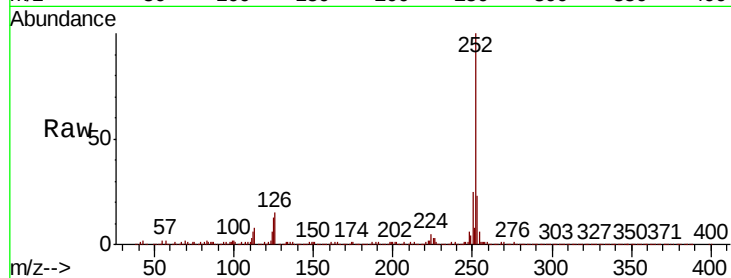




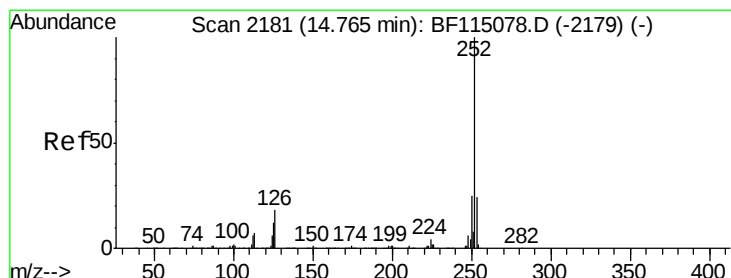
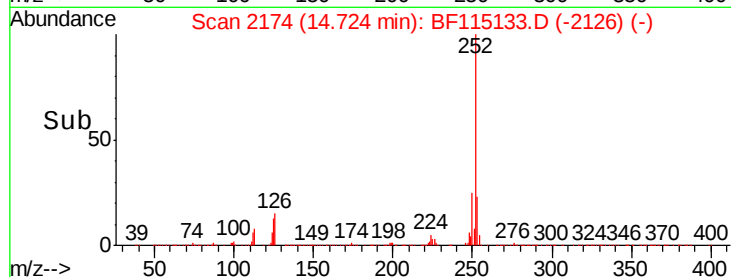
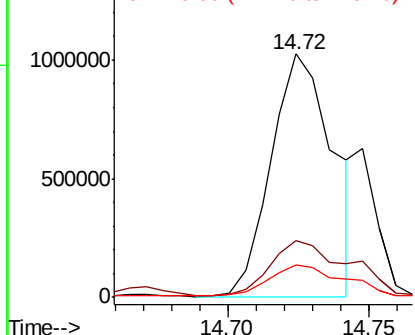
#88
Benzo(b)fluoranthene
Concen: 15.979 ng m
RT: 14.72 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion:252 Resp: 1571161
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 13.2 8.7 13.1#

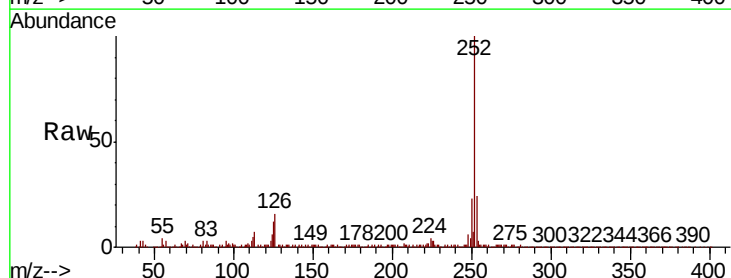


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

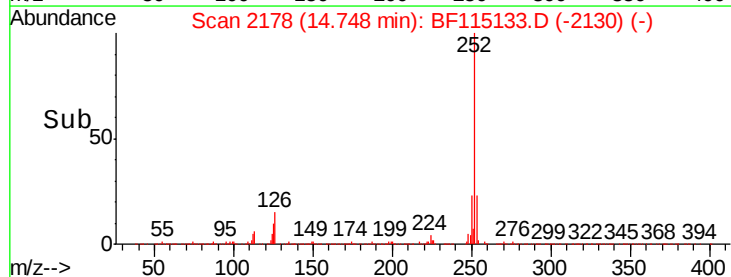
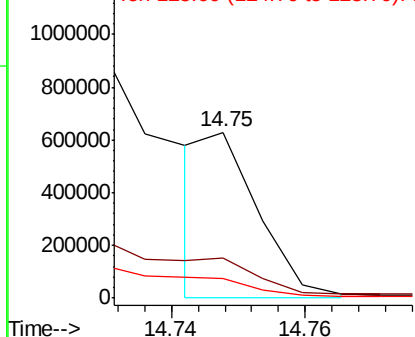


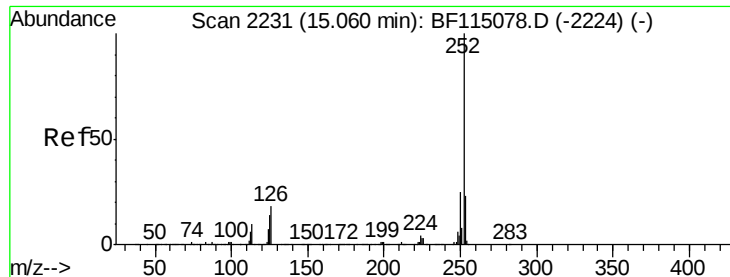
#89
Benzo(k)fluoranthene
Concen: 3.950 ng m
RT: 14.75 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:252 Resp: 348311
Ion Ratio Lower Upper
252 100
253 24.3 18.9 28.3
125 11.5 10.2 15.2



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

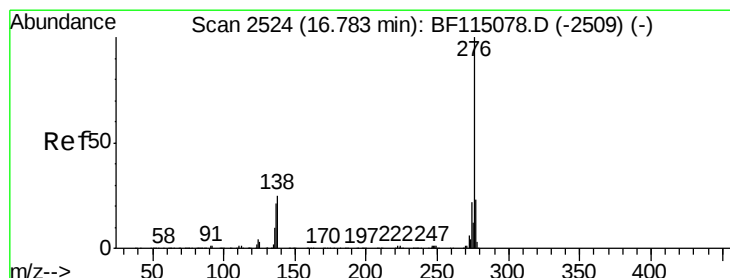
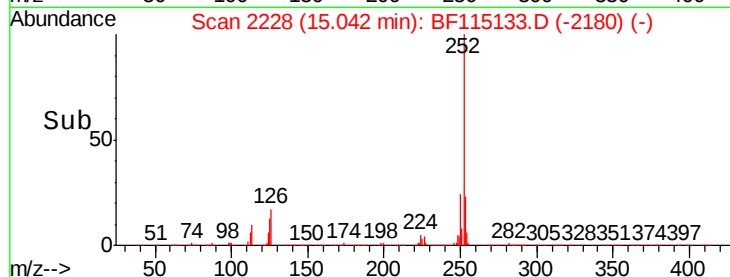
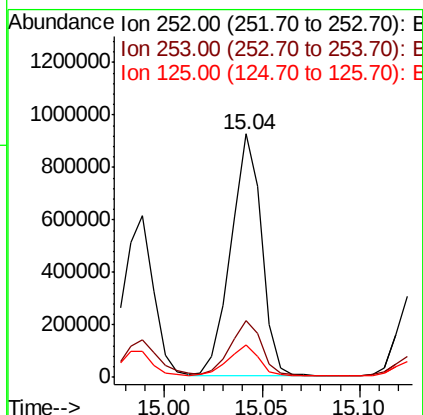
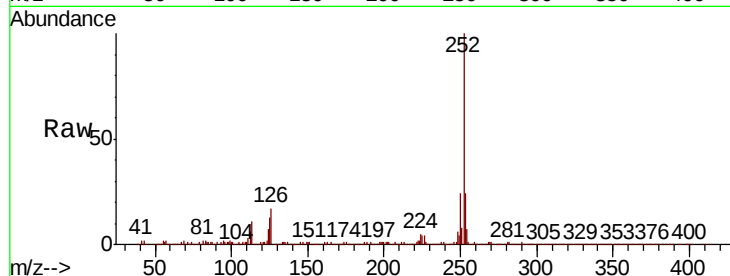




#90
Benzo(a)pyrene
Concen: 11.405 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion:252 Resp: 1010760
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 13.2 10.9 16.3



#92
Benzo(g,h,i)perylene
Concen: 5.662 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.04 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:276 Resp: 474077
Ion Ratio Lower Upper
276 100
277 24.9 18.6 28.0
138 25.2 19.8 29.6

