

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115715.D
 Acq On : 22 Jul 2019 17:53
 Operator : HP/JU
 Sample : K3911-03DL 20X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 23 01:17:57 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

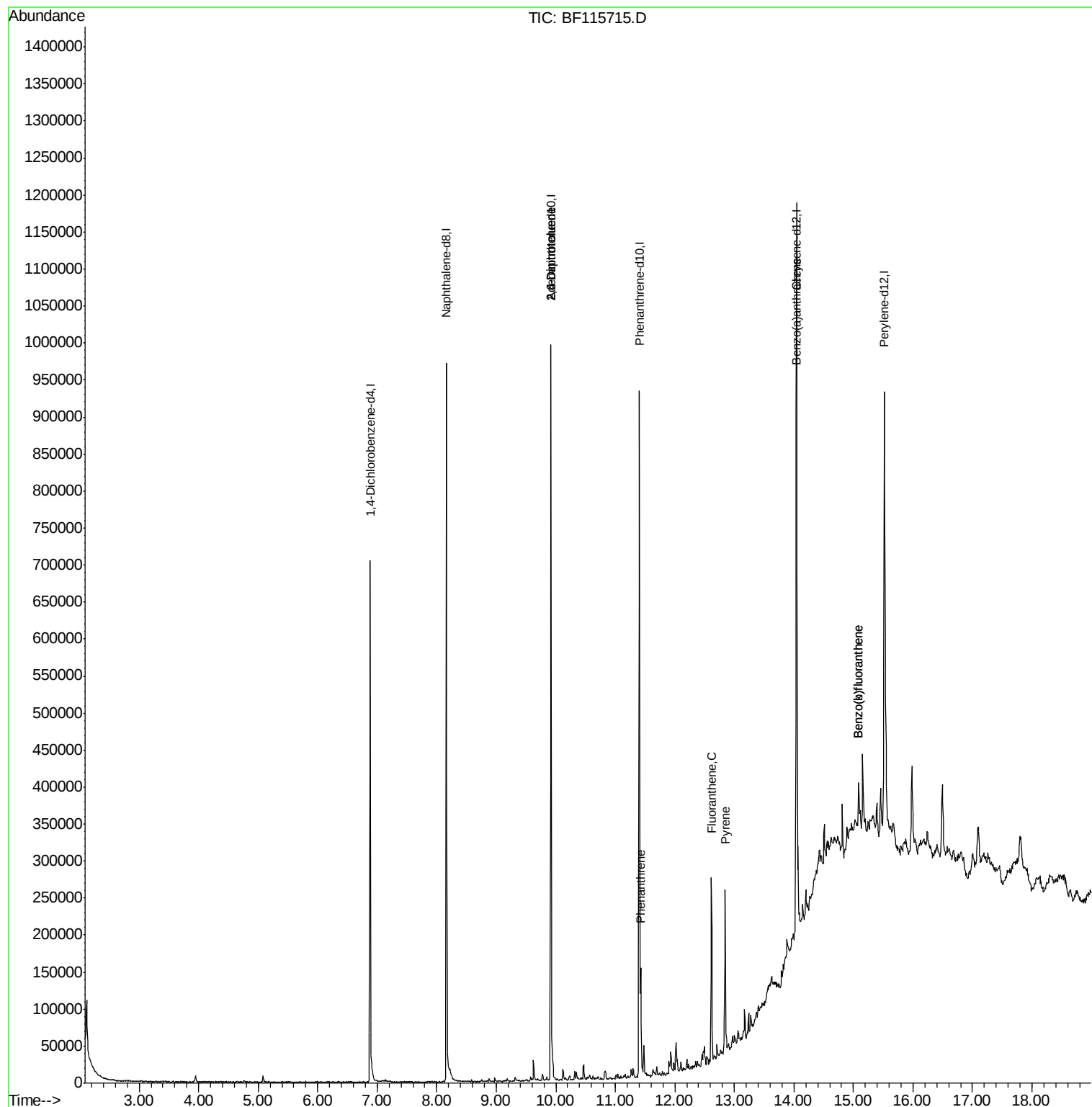
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	107607	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	437772	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	211188	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	334279	20.00	ng	0.00
76) Chrysene-d12	14.04	240	301780	20.00	ng	0.00
87) Perylene-d12	15.52	264	279724	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	12.99	244	676	0.04	ng	-0.01
Target Compounds						
51) 2,6-Dinitrotoluene	9.92	165	26950	7.463	ng	# 27
57) 2,4-Dinitrotoluene	9.92	165	26951	5.761	ng	# 24
71) Phenanthrene	11.43	178	49152	2.869	ng	97
75) Fluoranthene	12.62	202	97034	5.359	ng	99
78) Pyrene	12.85	202	84391	3.301	ng	97
81) Benzo(a)anthracene	14.03	228	44338	2.230	ng	98
88) Benzo(b)fluoranthene	15.09	252	53615	2.977	ng	# 88
89) Benzo(k)fluoranthene	15.09	252	53615	3.339	ng	# 89

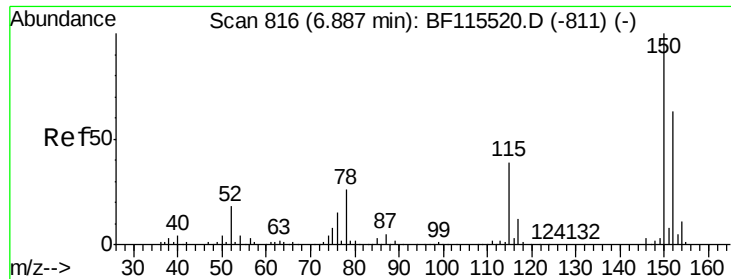
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 01:17:57 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



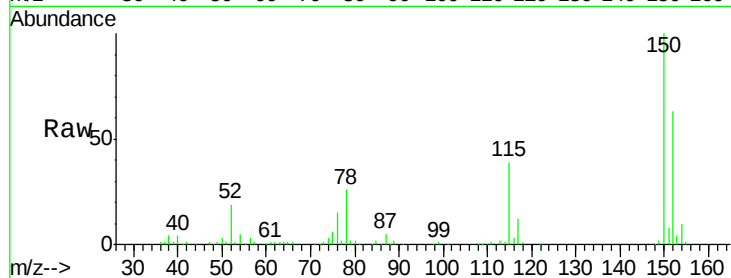


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	129.7	194.5
115	62.0	48.2	72.4

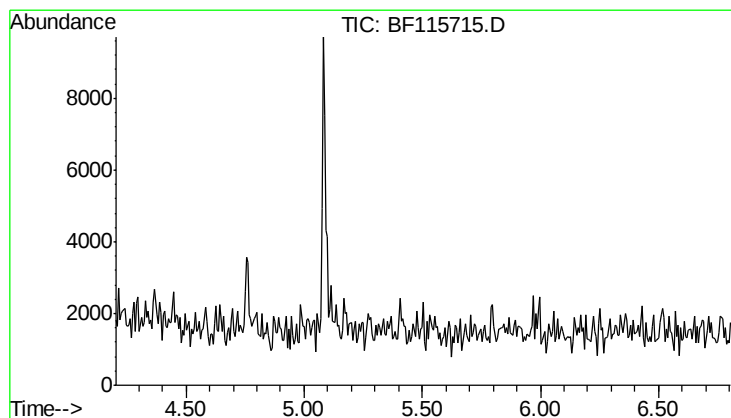
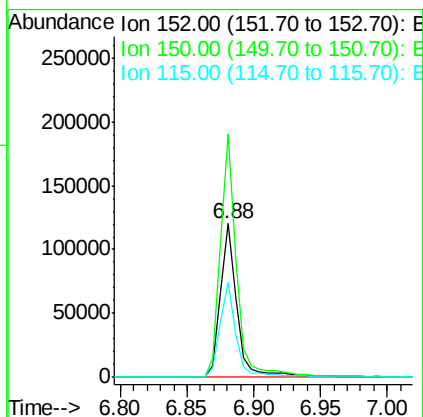
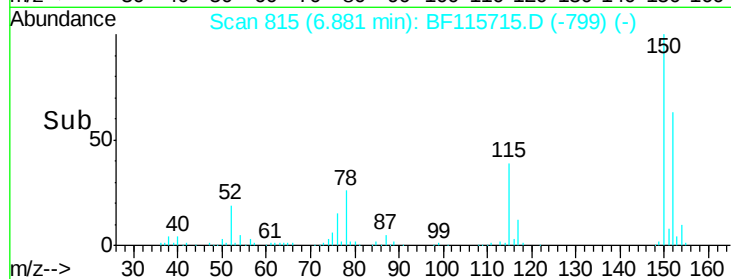


Abundance

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

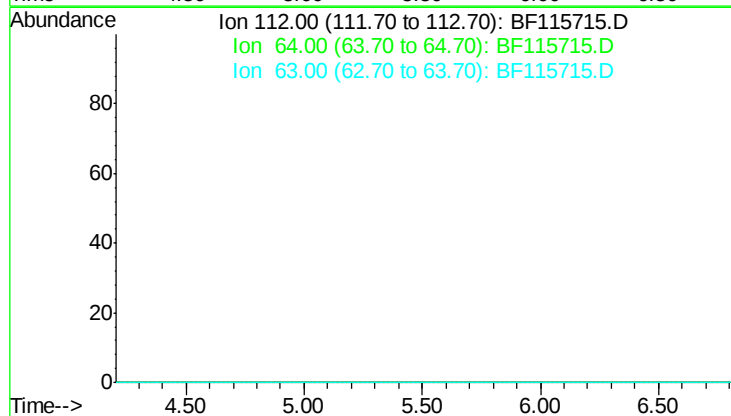


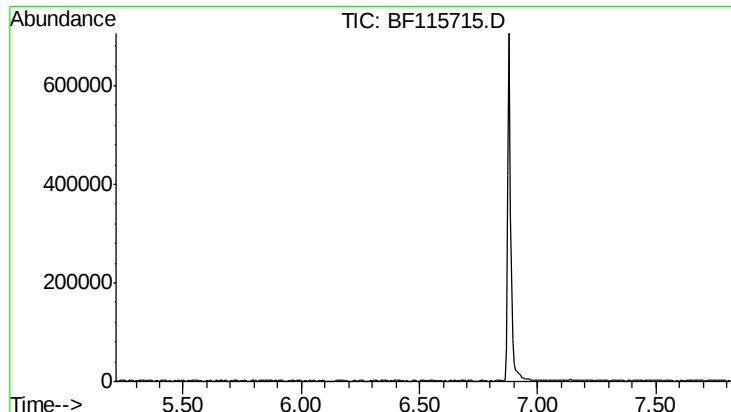
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Tgt Ion	Sig	Exp Ratio
112	100	
64	58.5	
63	30.1	

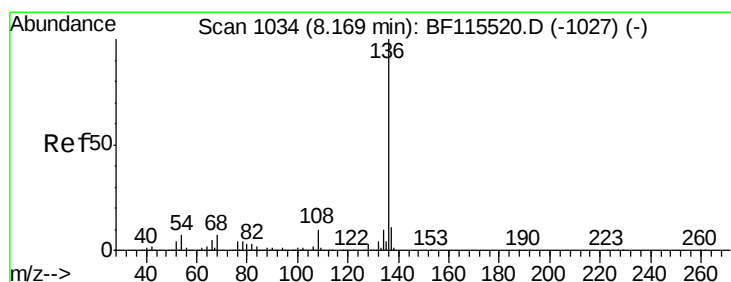
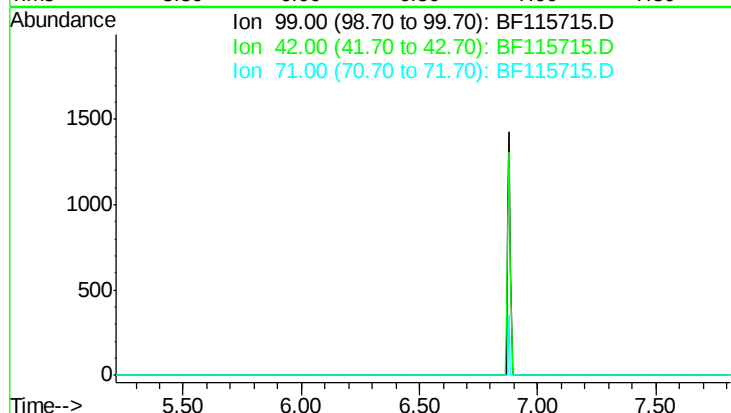




#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.52 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

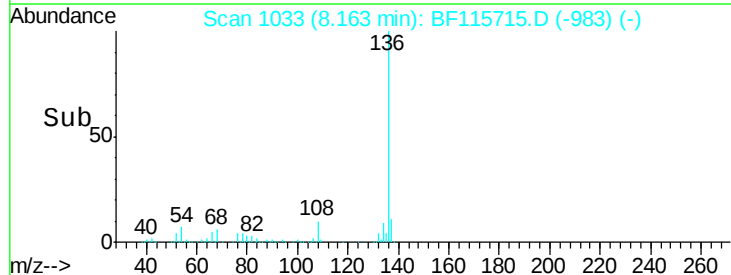
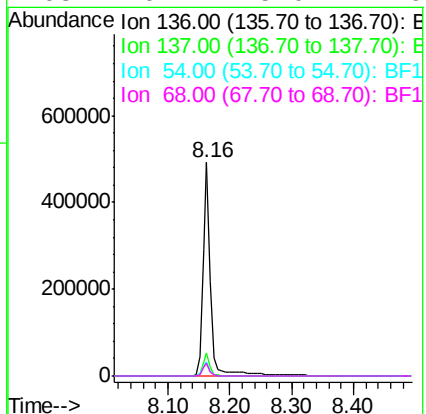
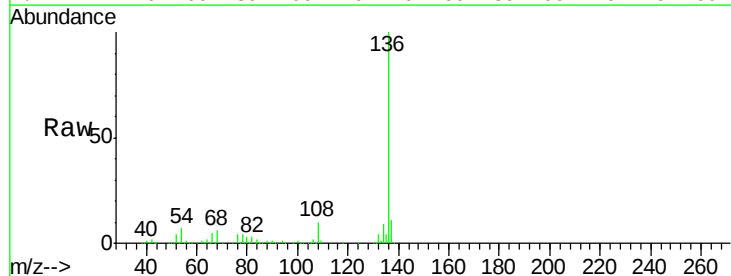
Instrument :
 BNA_F
 ClientSampleId :

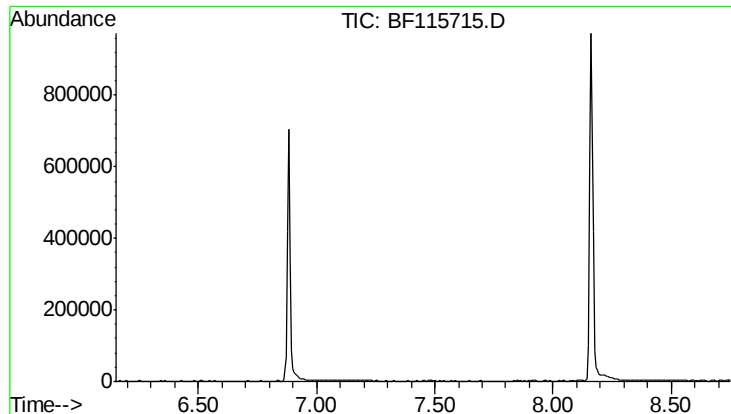
Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 17.0
 71 35.6



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion: 136 Resp: 437772
 Ion Ratio Lower Upper
 136 100
 137 10.9 9.0 13.4
 54 6.6 5.6 8.4
 68 6.1 5.0 7.6

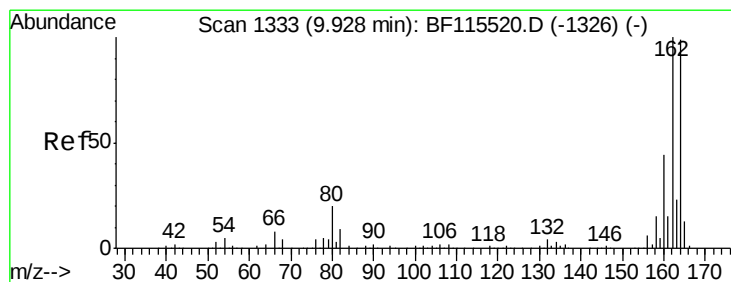
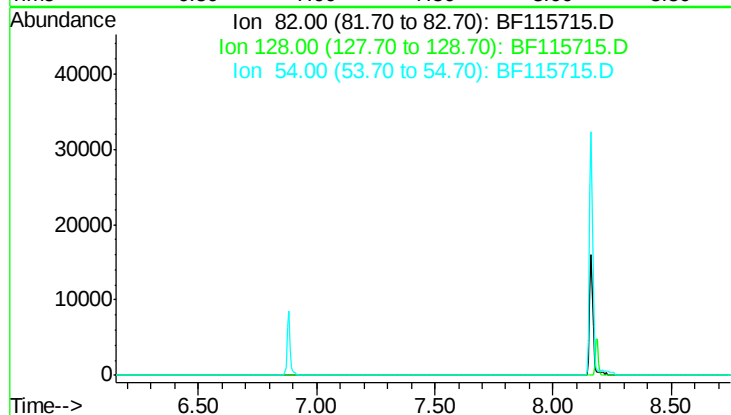




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.45 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

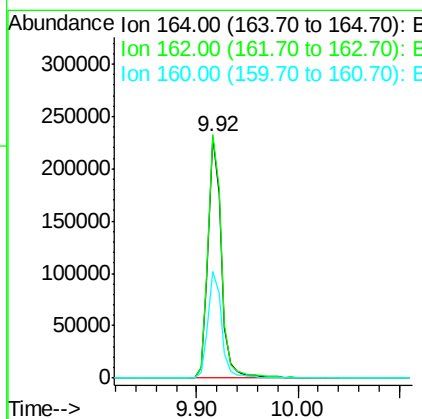
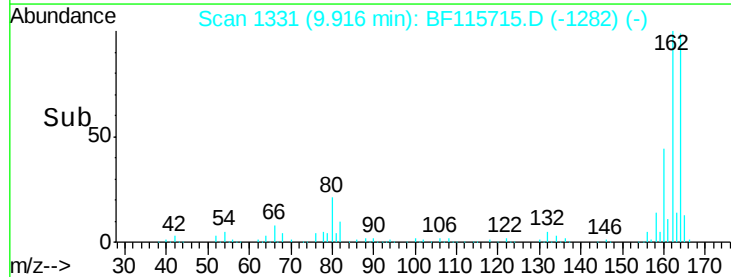
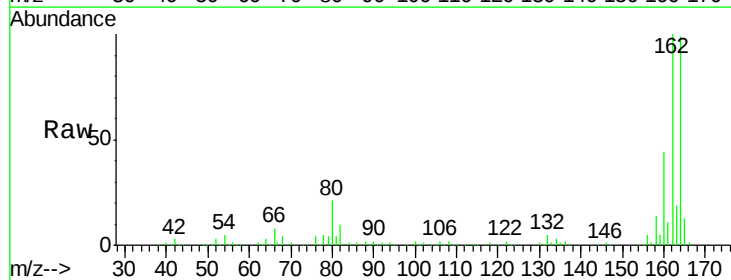
Instrument :
 BNA_F
 ClientSampleId :

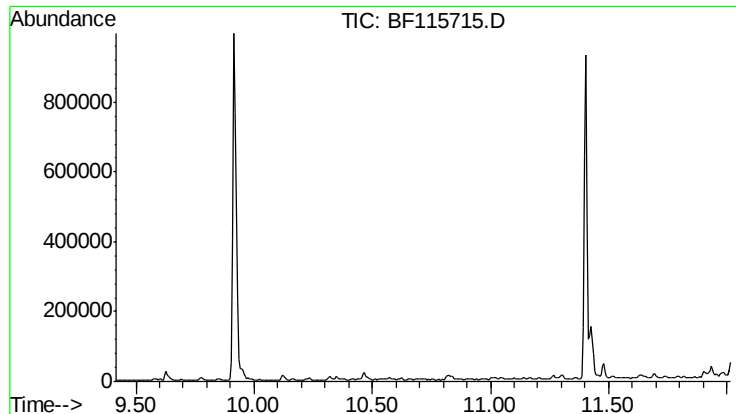
Tot Ion	82
Sig	Exp Ratio
82	100
128	48.2
54	44.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion	164	Resp	211188
Ion Ratio	Lower	Upper	
164	100		
162	100.9	82.9	124.3
160	44.1	36.8	55.2

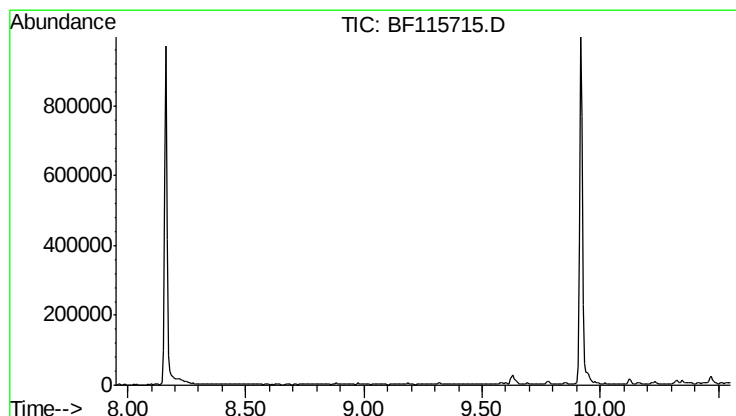
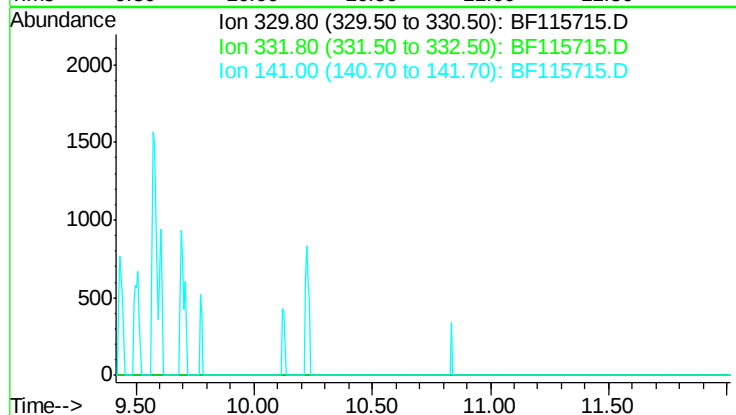




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.72 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

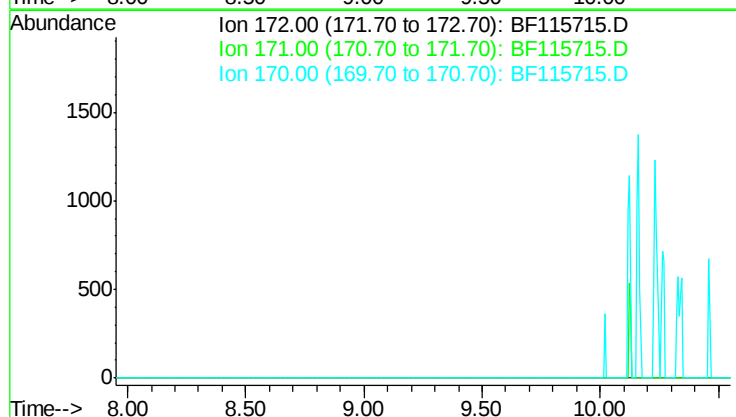
Instrument :
 BNA_F
 ClientSampleId :

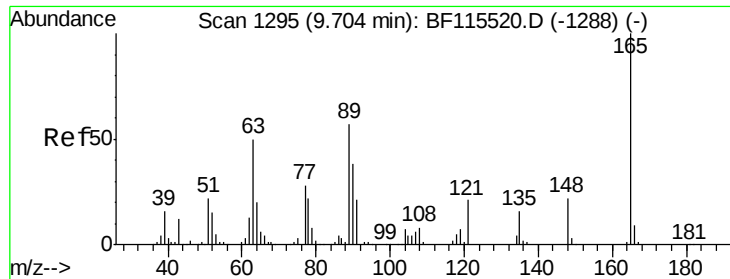
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.8
 141 28.0



#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.25 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion: 172
 Sig Exp Ratio
 172 100
 171 38.3
 170 25.6

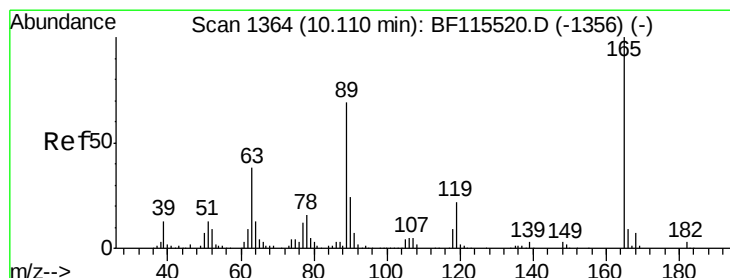
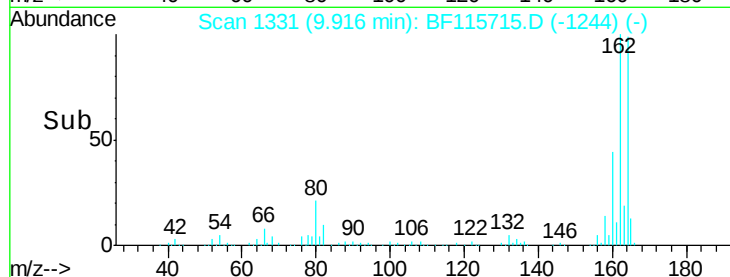
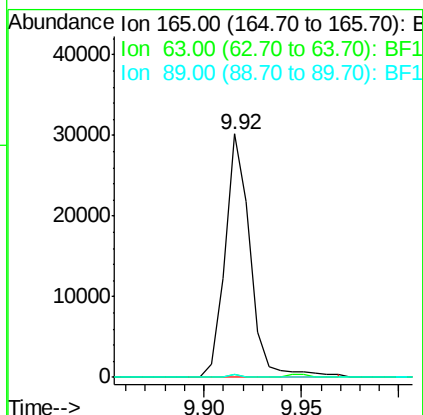
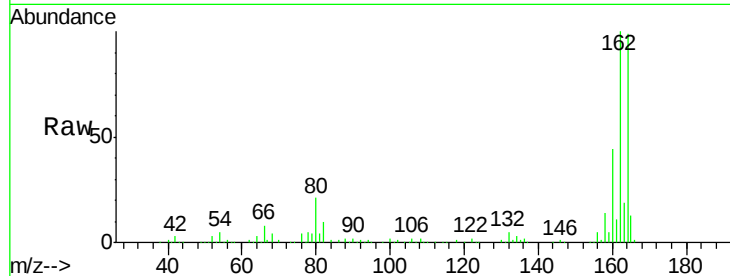




#51
 2,6-Dinitrotoluene
 Concen: 7.463 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

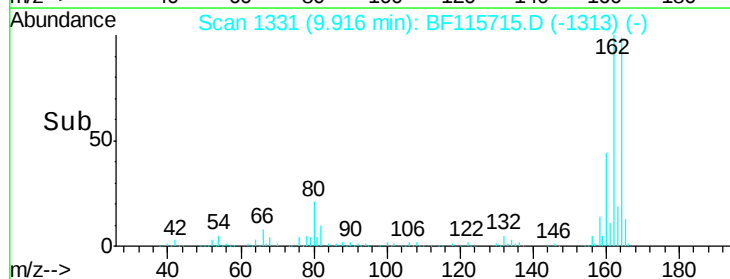
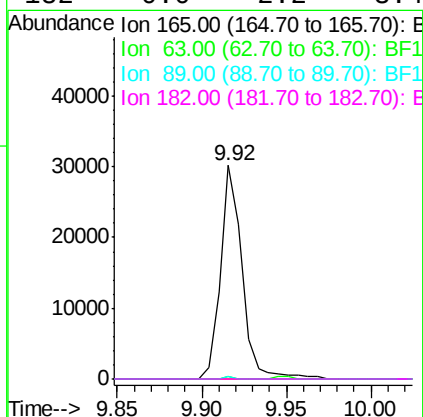
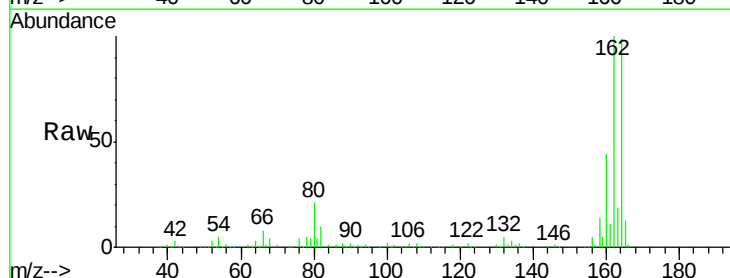
Instrument :
 BNA_F
 ClientSampleId :

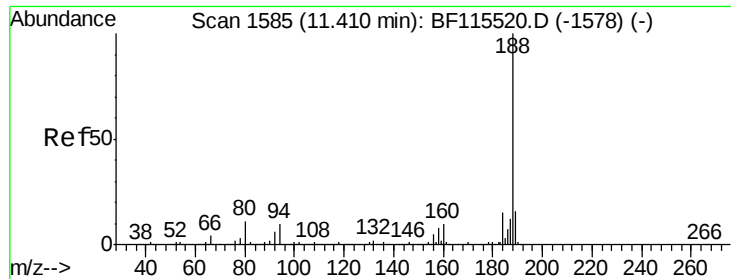
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.6	61.0#
89	1.4	43.9	65.9#



#57
 2,4-Dinitrotoluene
 Concen: 5.761 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.9	52.3#
89	1.4	57.5	86.3#
182	0.0	2.2	3.4#

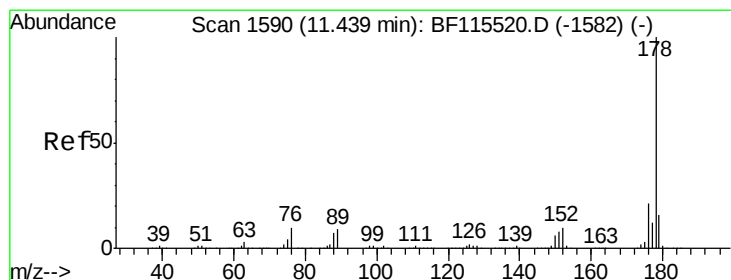
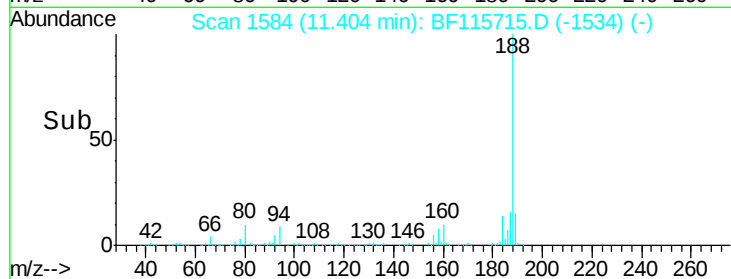
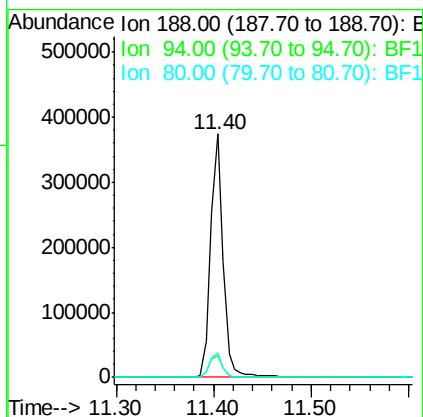
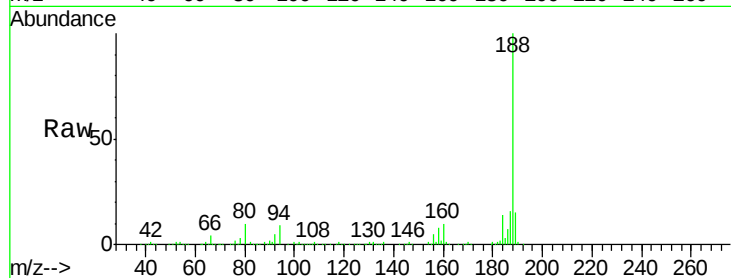




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

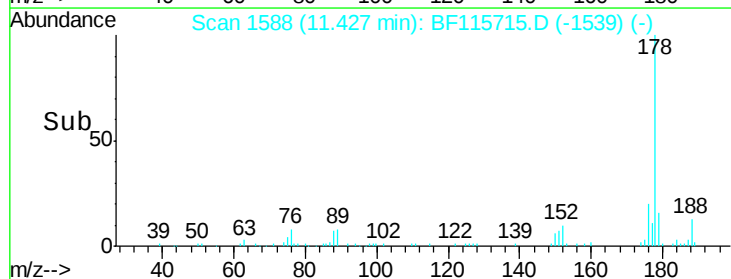
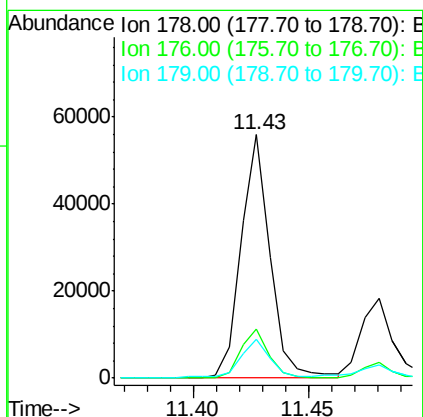
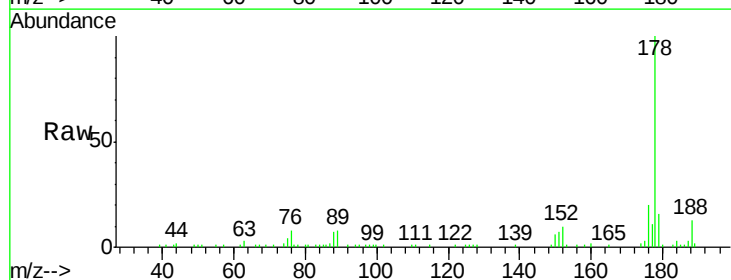
Instrument :
BNA_F
ClientSampleId :

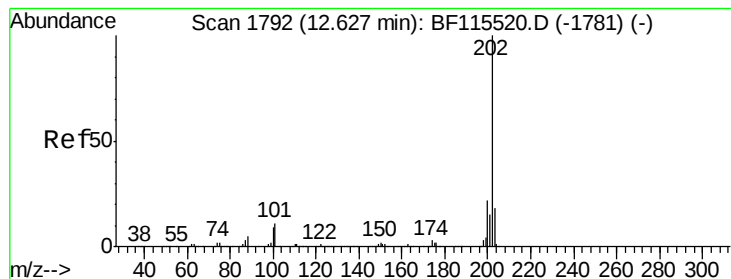
Tot Ion:188 Resp: 334279
Ion Ratio Lower Upper
188 100
94 9.0 7.8 11.6
80 9.9 8.6 13.0



#71
Phenanthrene
Concen: 2.869 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Tgt Ion:178 Resp: 49152
Ion Ratio Lower Upper
178 100
176 20.1 17.2 25.8
179 15.9 13.5 20.3





#75

Fluoranthene

Concen: 5.359 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

Instrument :

BNA_F

ClientSampled :

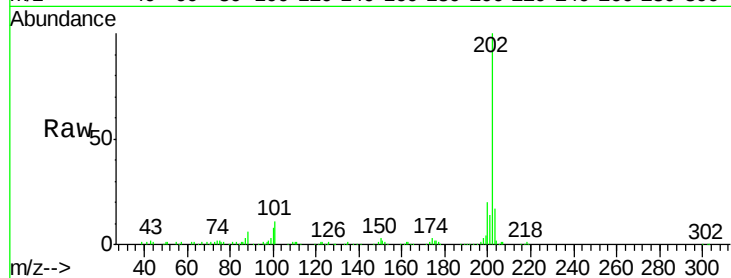
Tot Ion:202 Resp: 97034

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

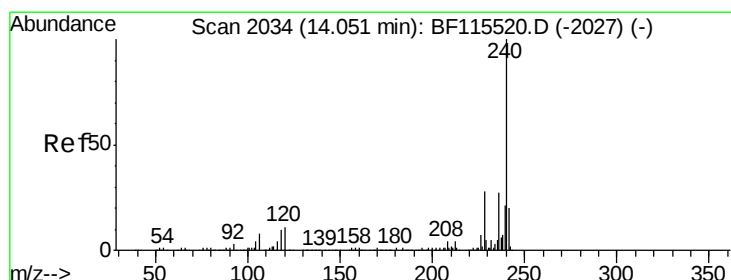
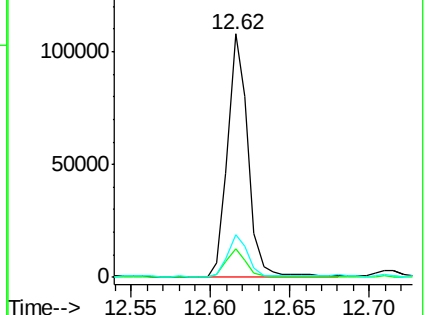
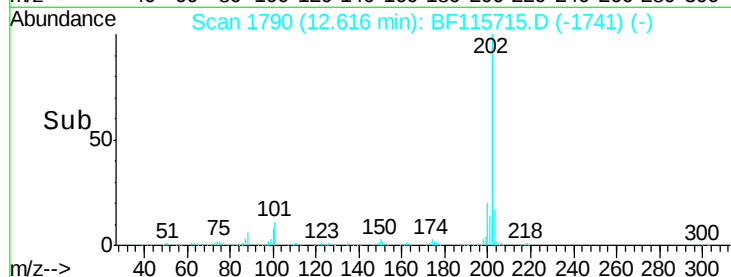
203 17.3 0.0 38.1



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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

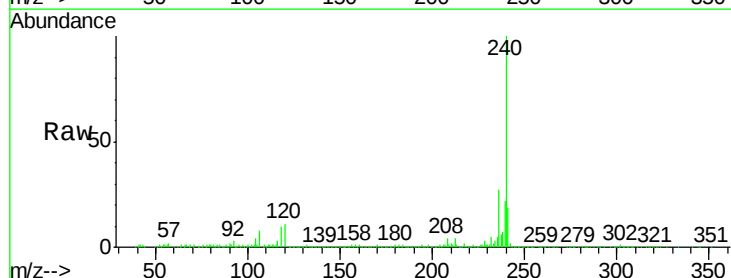
Tgt Ion:240 Resp: 301780

Ion Ratio Lower Upper

240 100

120 11.5 8.6 13.0

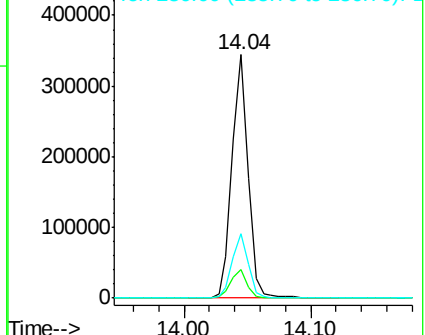
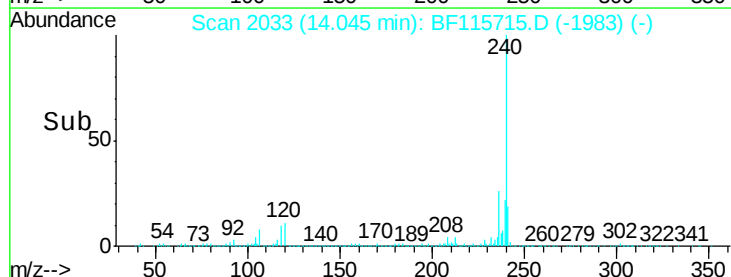
236 26.5 21.3 31.9

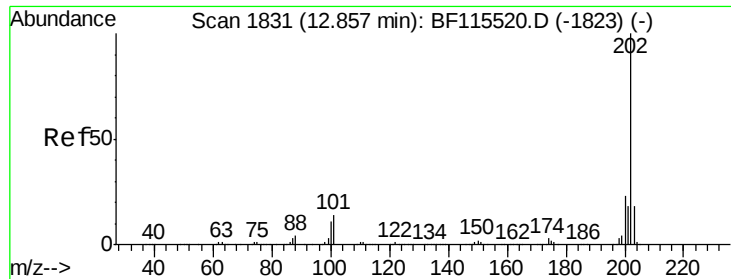


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.301 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

Instrument :

BNA_F

ClientSampleId :

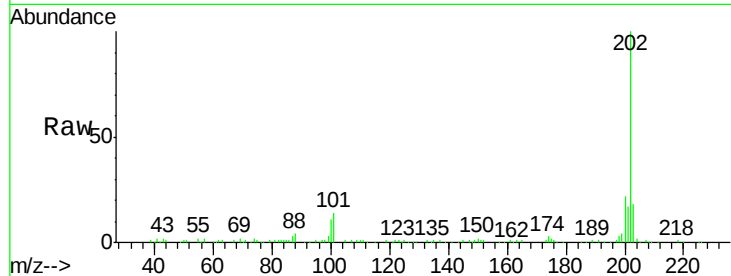
Tot Ion:202 Resp: 84391

Ion Ratio Lower Upper

202 100

200 21.7 18.7 28.1

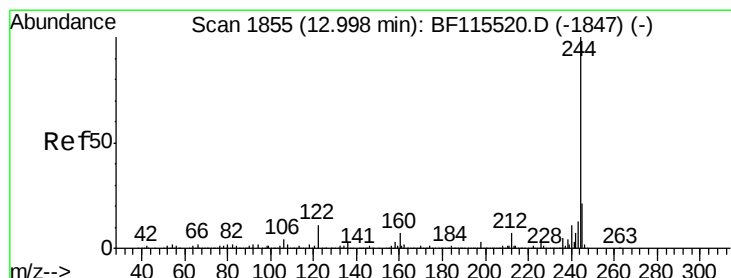
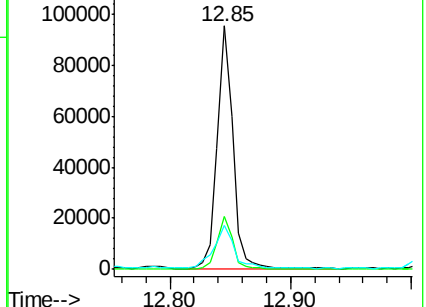
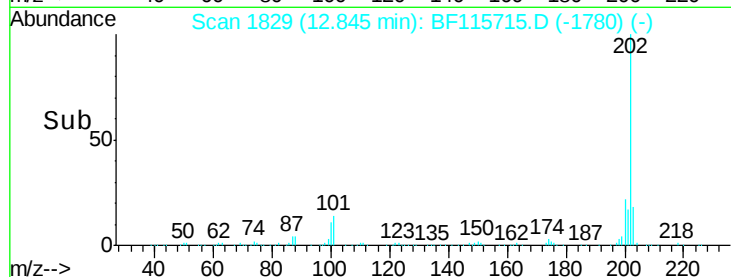
203 18.3 15.2 22.8



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: 0.041 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

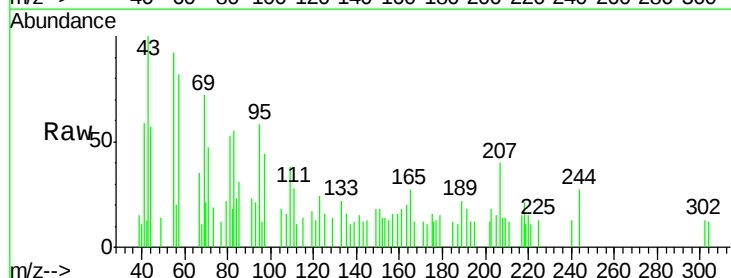
Tgt Ion:244 Resp: 676

Ion Ratio Lower Upper

244 100

212 0.0 6.0 9.0#

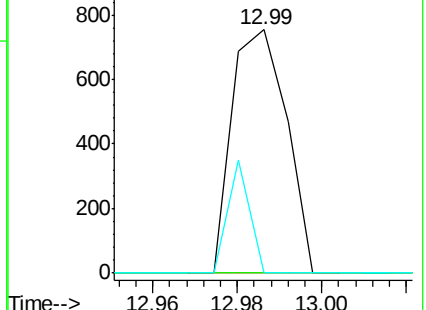
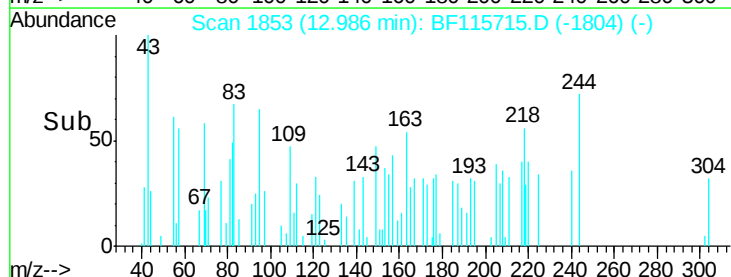
122 0.0 8.6 12.8#

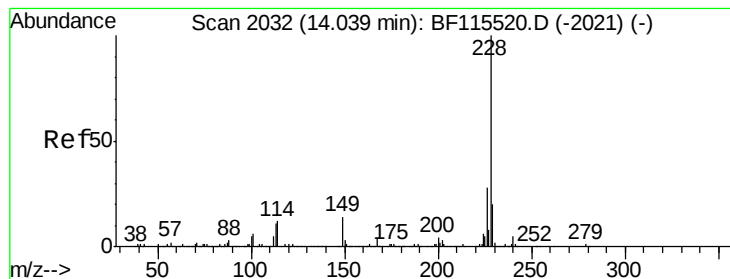


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.230 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

Instrument :

BNA_F

ClientSampleId :

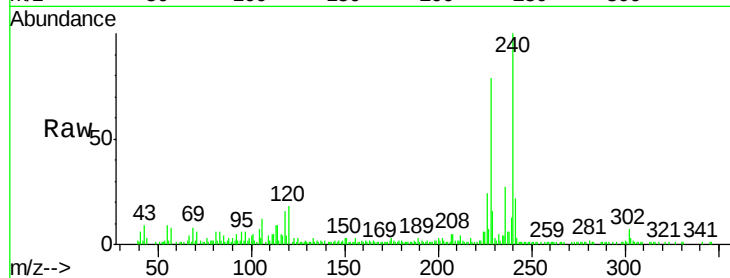
Tot Ion:228 Resp: 44338

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.0

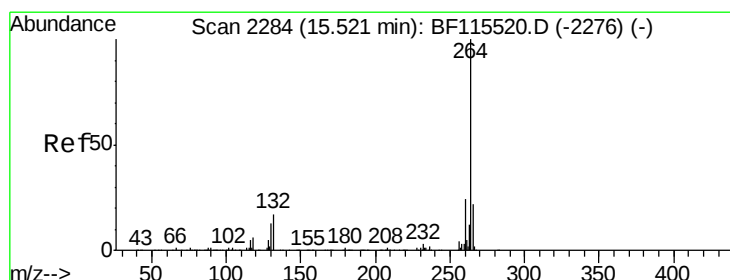
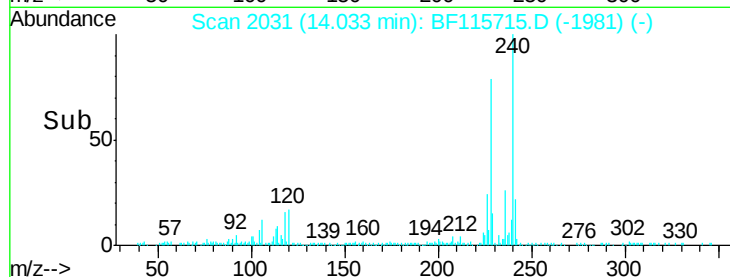
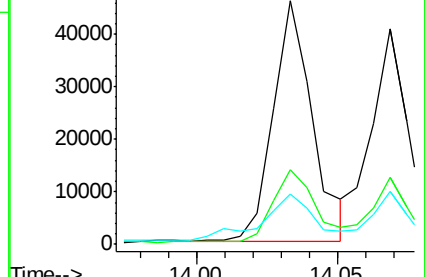
229 20.7 17.2 25.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.00 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

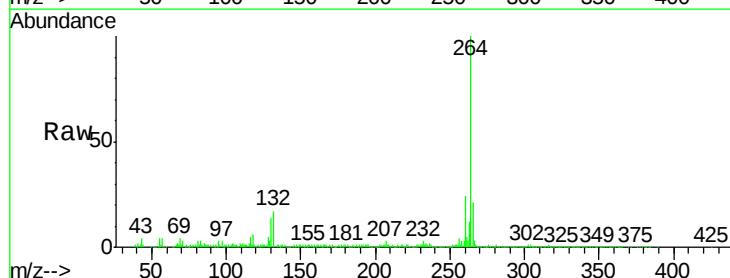
Tgt Ion:264 Resp: 279724

Ion Ratio Lower Upper

264 100

260 24.3 19.8 29.8

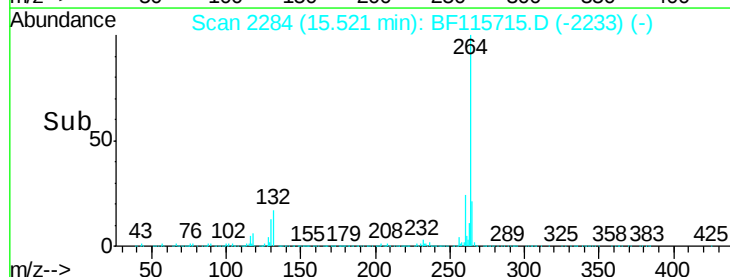
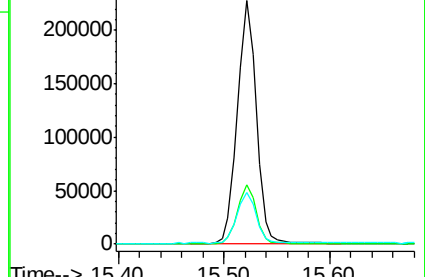
265 21.2 17.7 26.5

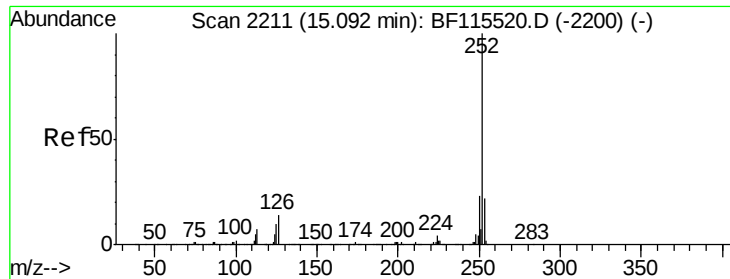


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

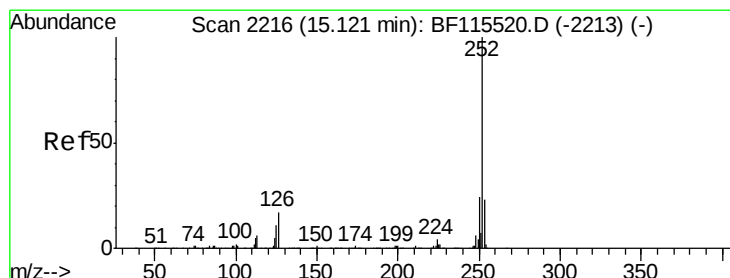
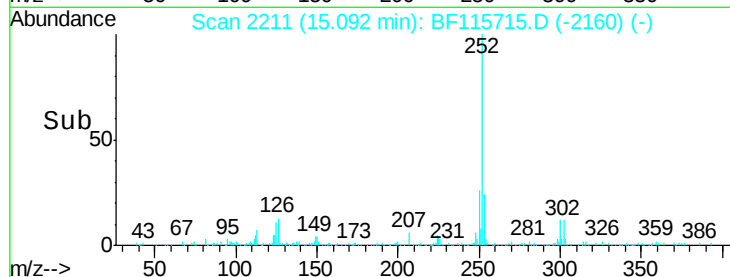
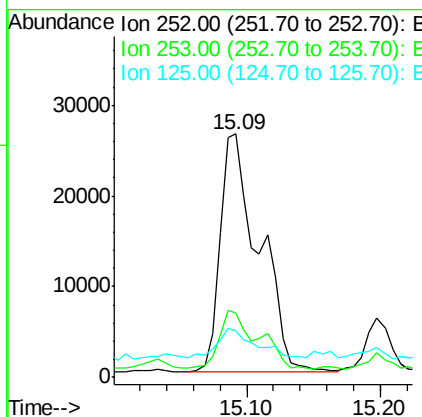
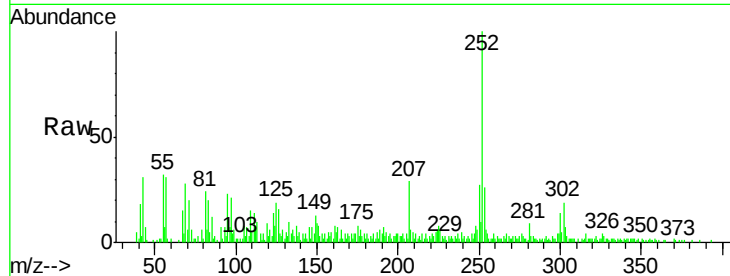




#88
Benzo(b)fluoranthene
Concen: 2.977 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.1	27.1
125	19.0	9.0	13.4



#89
Benzo(k)fluoranthene
Concen: 3.339 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.6	28.0
125	19.0	9.0	13.6

