

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 04:38:39 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

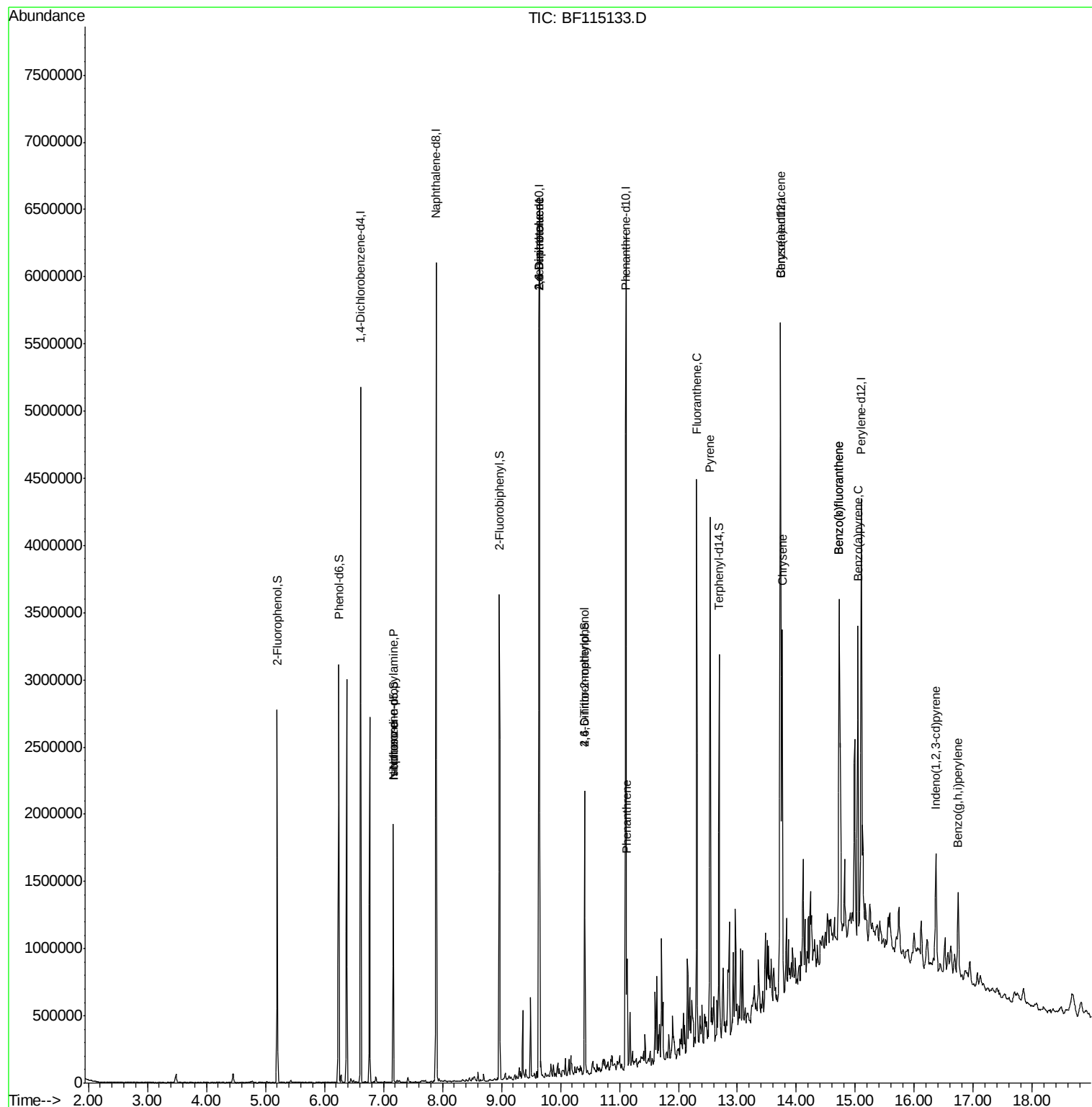
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	746273	20.00	ng	0.00
21) Naphthalene-d8	7.90	136	2721852	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	1346510	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	2351629	20.00	ng	0.00
76) Chrysene-d12	13.74	240	1522641	20.00	ng	-0.01
87) Perylene-d12	15.10	264	1575779	20.00	ng	-0.01
System Monitoring Compounds						
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						
19) n-Nitroso-di-n-propylamine	7.17	70	75501	2.009	ng	# 80
25) Isophorone	7.17	82	555857	6.133	ng	# 63
51) 2,6-Dinitrotoluene	9.64	165	178102	7.787	ng	# 29
57) 2,4-Dinitrotoluene	9.64	165	178102	6.031	ng	# 30
58) Fluorene	10.18	166	43320	Below Cal	#	94
61) 4-Chlorophenyl-phenylether	10.02	204	106	Below Cal	#	1
65) 4,6-Dinitro-2-methylphenol	10.41	198	467	4.993	ng	# 1
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	1907242	19.398	ng	# 97
89) Benzo(k)fluoranthene	14.72	252	1907242	21.630	ng	99
90) Benzo(a)pyrene	15.04	252	1010760	11.405	ng	99
92) Benzo(a,h,i)perylene	16.74	276	474077	5.662	ng	98

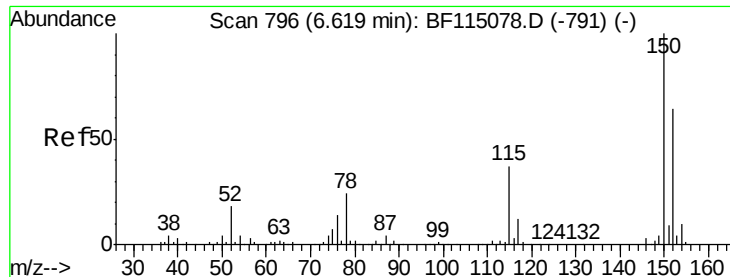
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 04:38:39 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

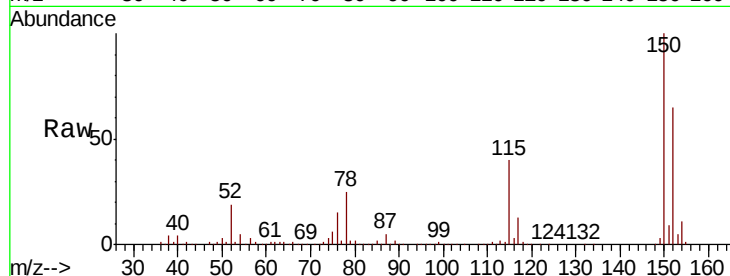
Tot Ion:152 Resp: 746273

Ion Ratio Lower Upper

152 100

150 154.5 124.2 186.2

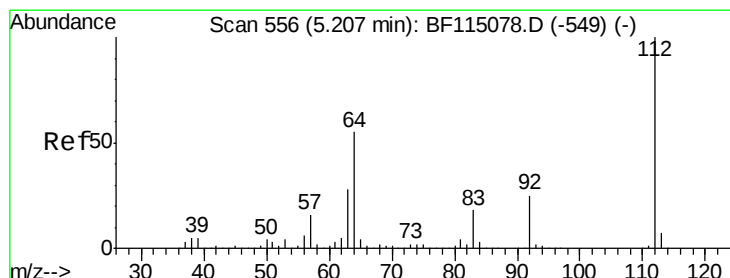
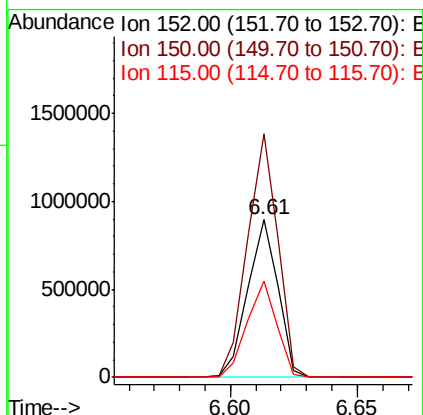
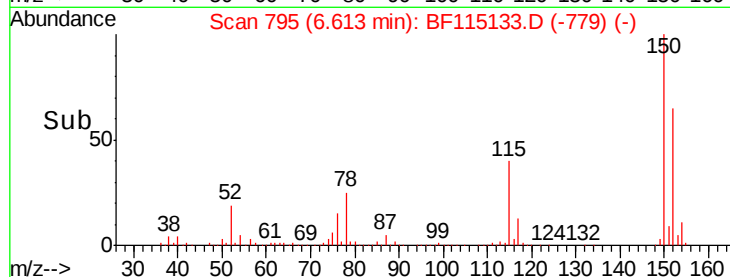
115 61.1 46.1 69.1



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

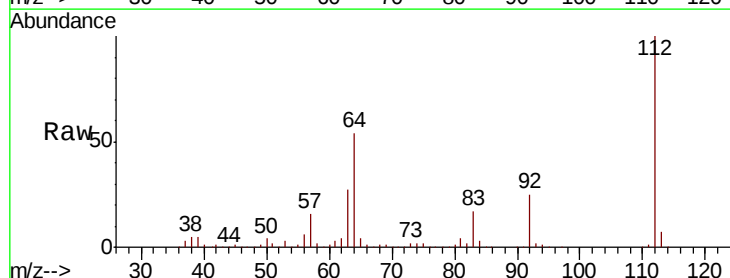
Tgt Ion:112 Resp: 792422

Ion Ratio Lower Upper

112 100

64 54.0 43.8 65.6

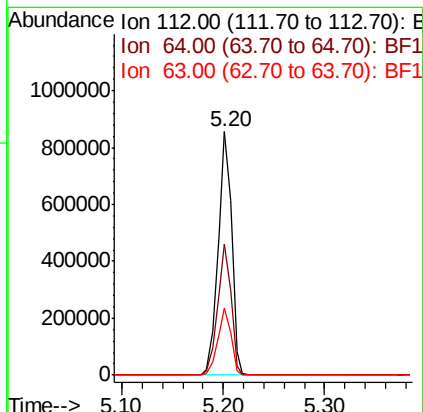
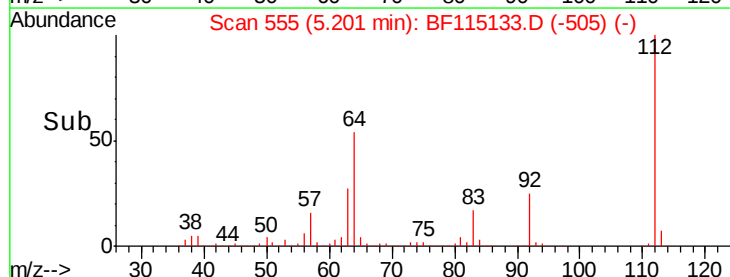
63 27.3 22.2 33.4



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

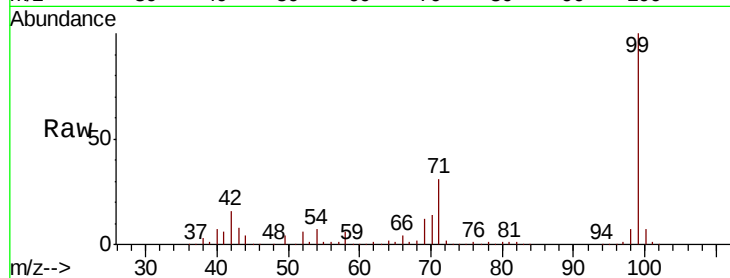
Tot Ion: 99 Resp: 1000361

Ion Ratio Lower Upper

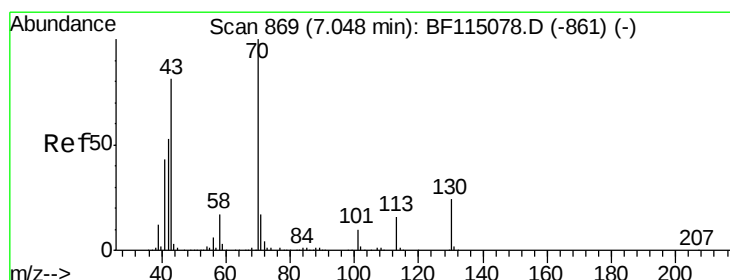
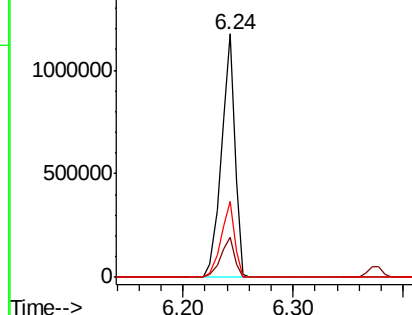
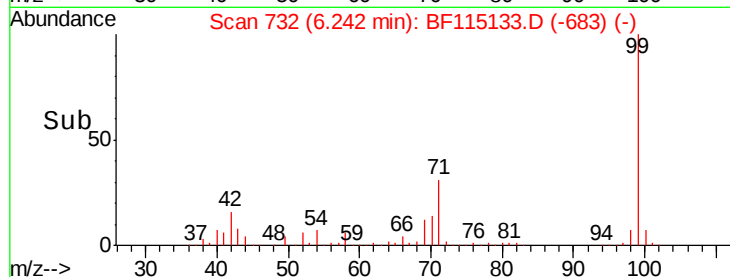
99 100

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



#19

n-Nitroso-di-n-propylamine

Concen: 2.009 ng

RT: 7.17 min Scan# 889

Delta R.T. 0.12 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Tgt Ion: 70 Resp: 75501

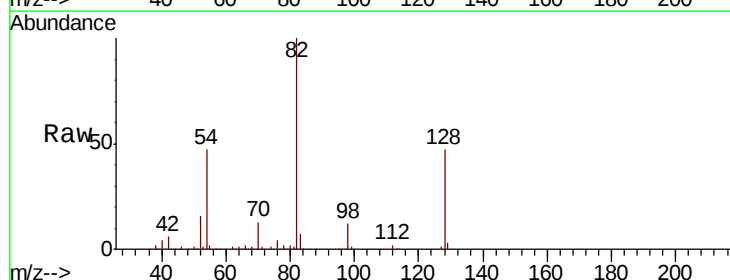
Ion Ratio Lower Upper

70 100

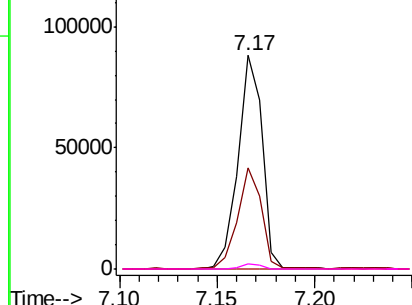
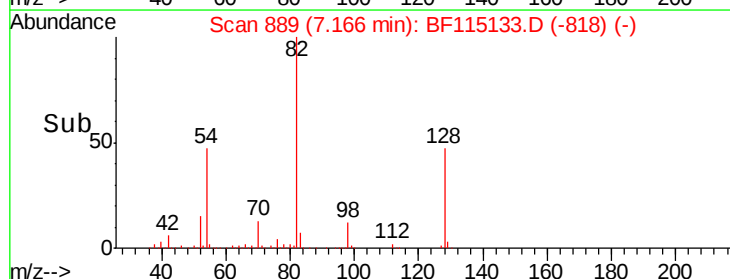
42 47.3 42.6 63.8

101 0.0 8.0 12.0#

130 2.4 19.4 29.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

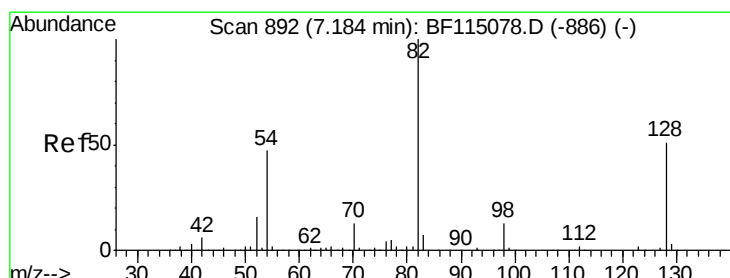
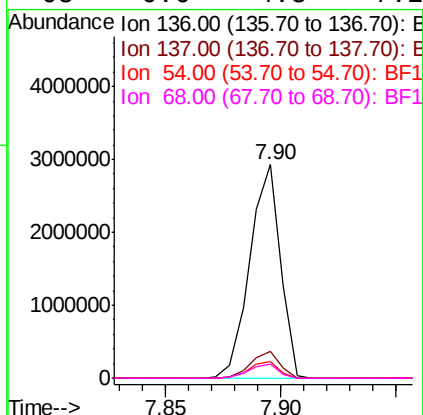
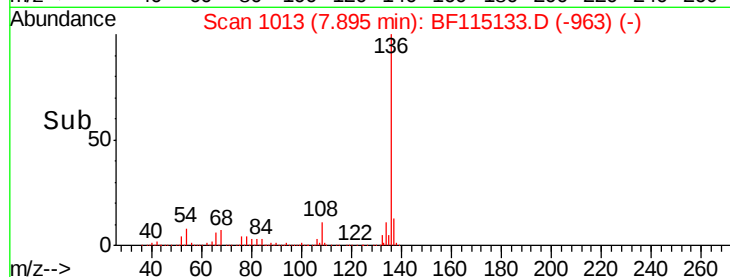
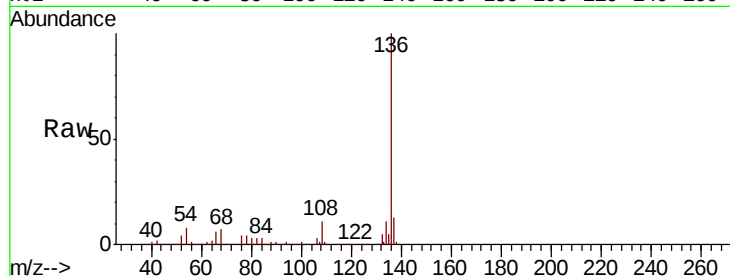




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

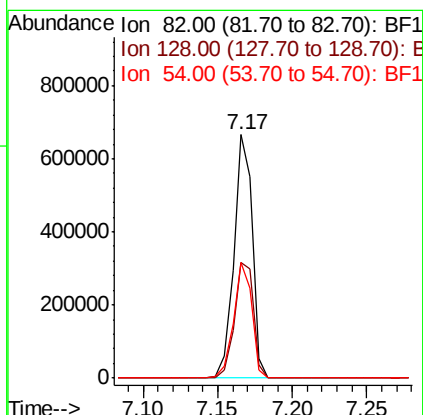
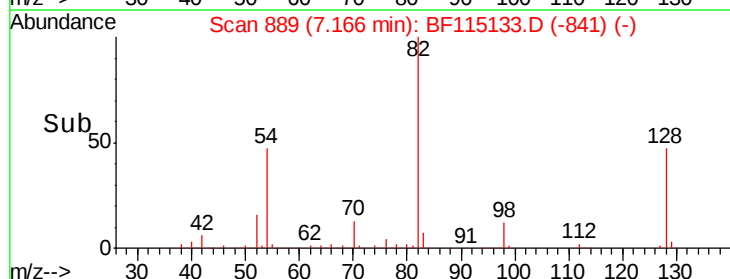
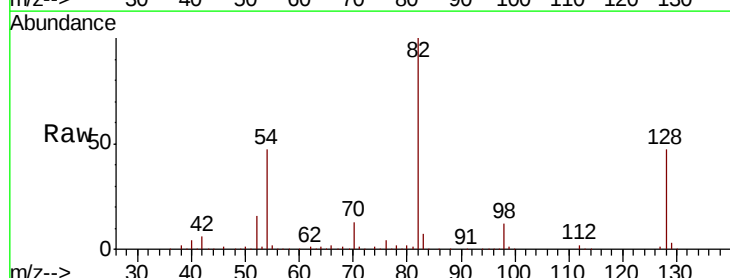
Instrument :
BNA_F
ClientSampleId :
OK-03-062019

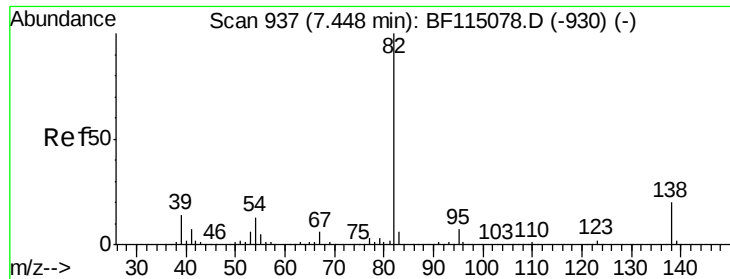
Tot Ion:136	Resp: 2721852
Ion Ratio	Lower Upper
136 100	
137 12.6	8.9 13.3
54 7.6	5.6 8.4
68 6.6	4.8 7.2



#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

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





#25

Isophorone

Concen: 6.133 ng

RT: 7.17 min Scan# 889

Delta R.T. -0.28 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

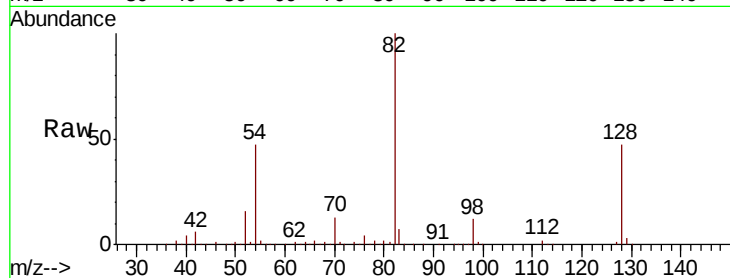
Tot Ion: 82 Resp: 555857

Ion Ratio Lower Upper

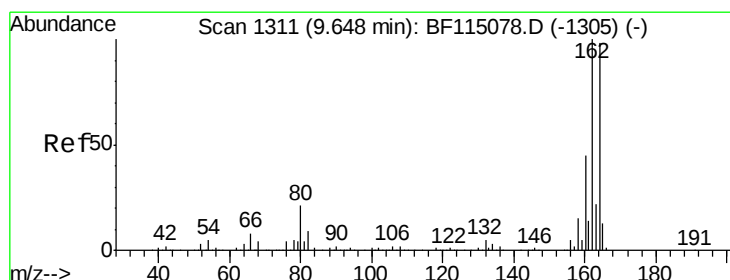
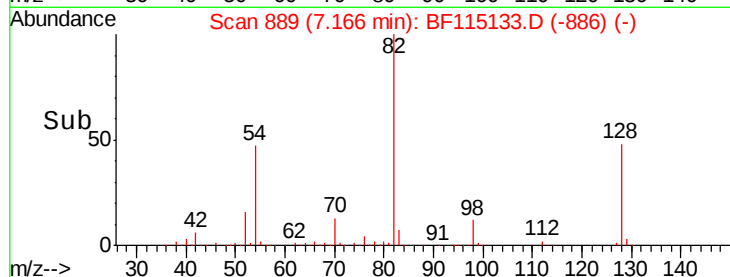
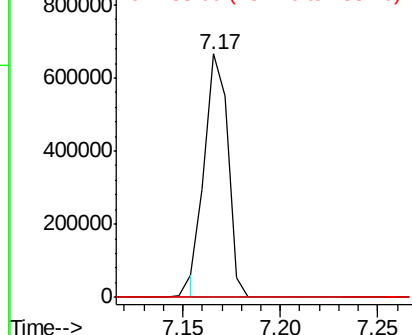
82 100

95 0.1 5.4 8.2#

138 0.0 15.9 23.9#



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): E



#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

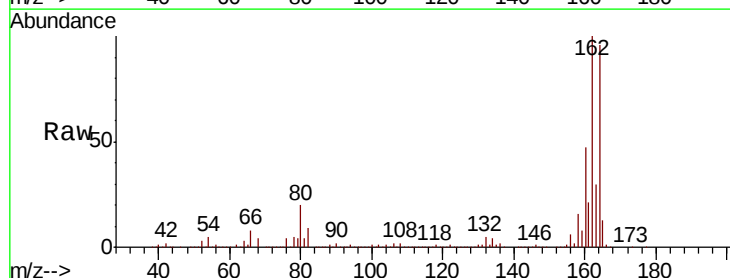
Tgt Ion:164 Resp: 1346510

Ion Ratio Lower Upper

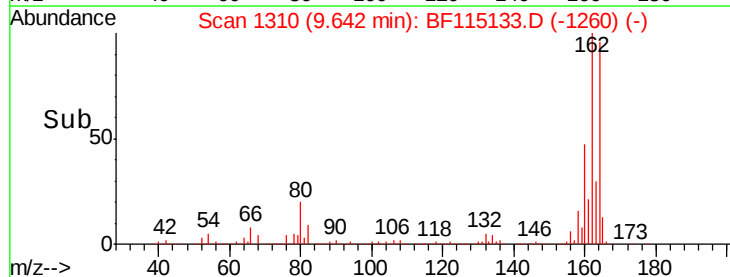
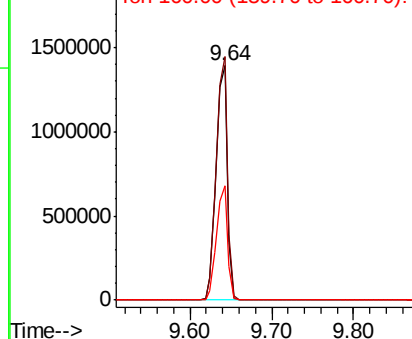
164 100

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

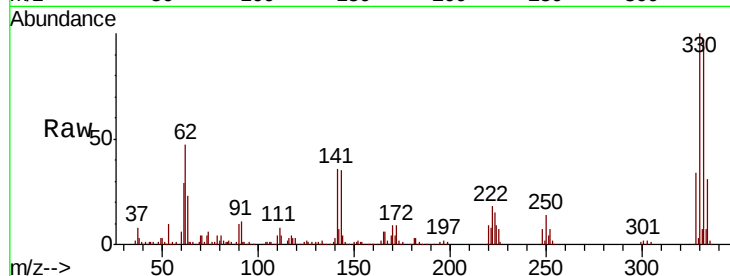




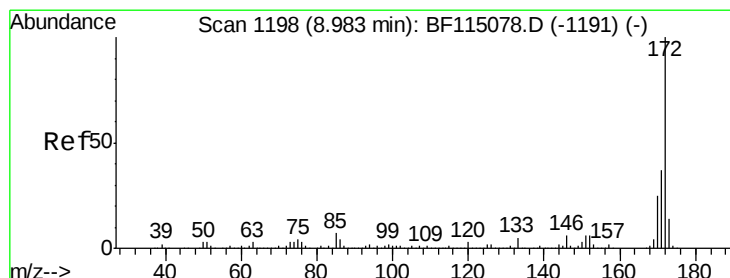
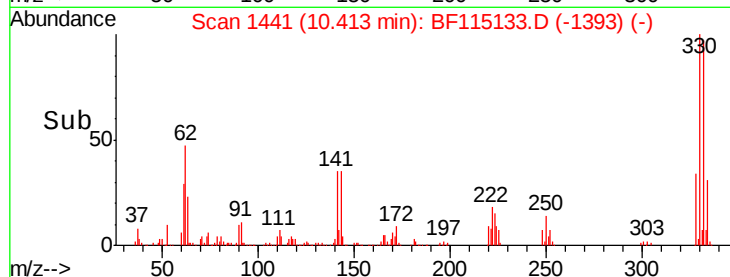
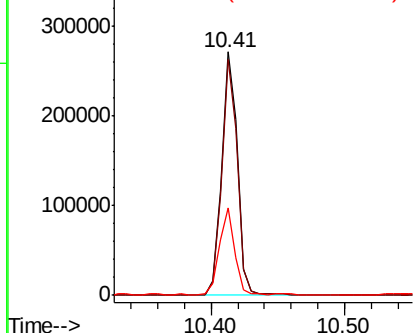
#42
 2,4,6-Tribromophenol
 Concen: 16.071 ng
 RT: 10.41 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

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

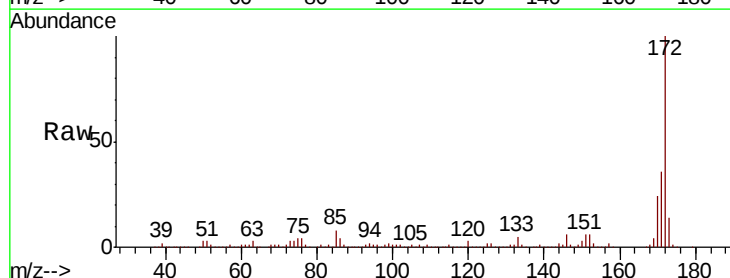


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

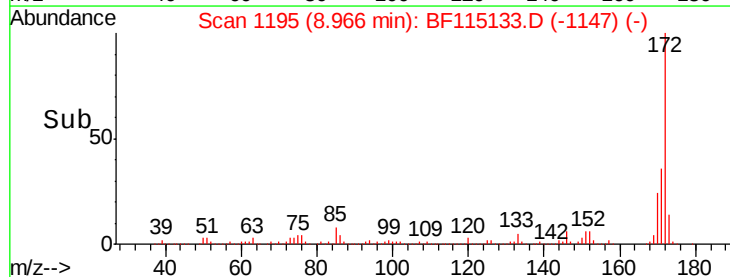
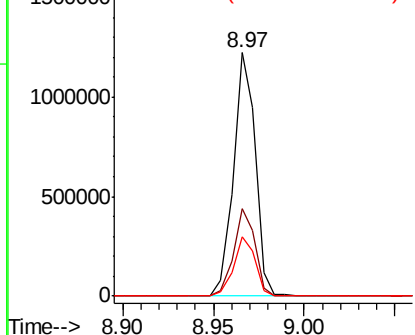


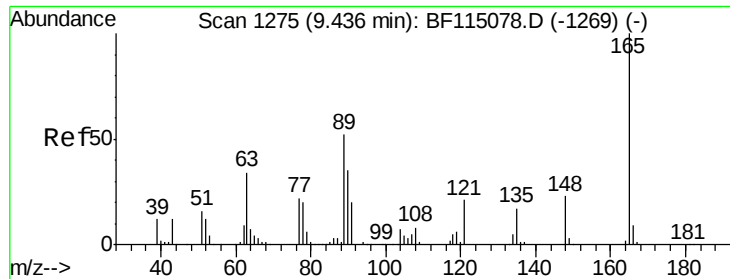
#45
 2-Fluorobiphenyl
 Concen: 12.953 ng
 RT: 8.97 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Tgt Ion	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





#51

2,6-Dinitrotoluene

Concen: 7.787 ng

RT: 9.64 min Scan# 1310

Delta R.T. 0.21 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

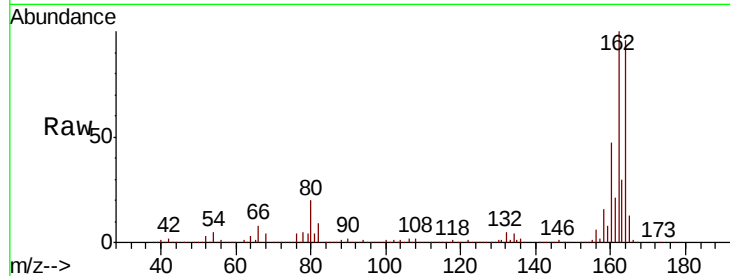
Tot Ion:165 Resp: 178102

Ion Ratio Lower Upper

165 100

63 1.3 39.4 59.2#

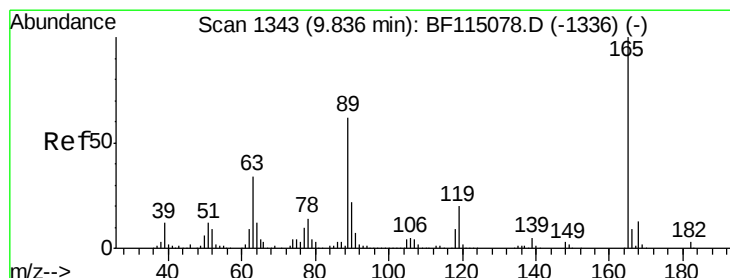
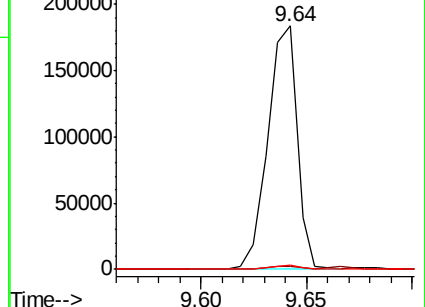
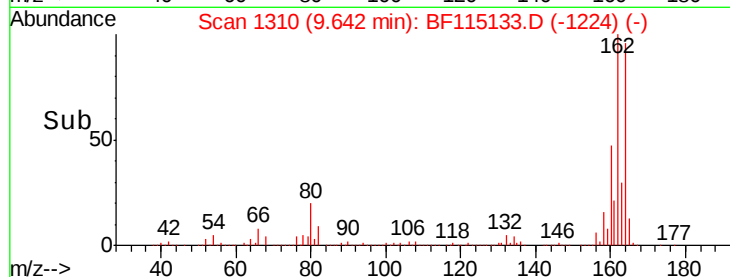
89 1.5 42.0 63.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.031 ng

RT: 9.64 min Scan# 1310

Delta R.T. -0.19 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Tgt Ion:165 Resp: 178102

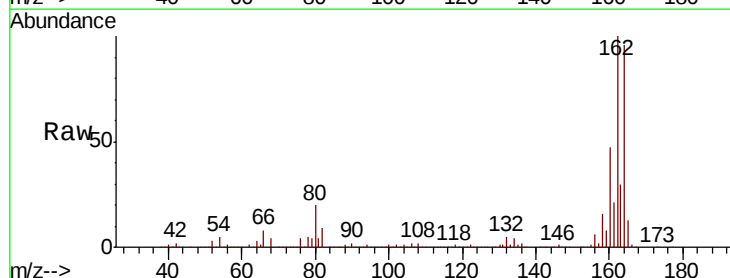
Ion Ratio Lower Upper

165 100

63 1.3 27.5 41.3#

89 1.5 49.9 74.9#

182 0.0 2.1 3.1#

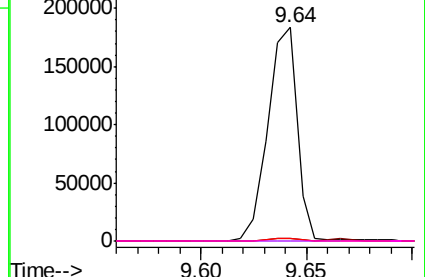
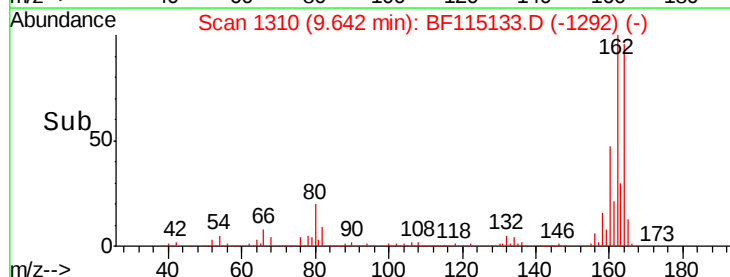


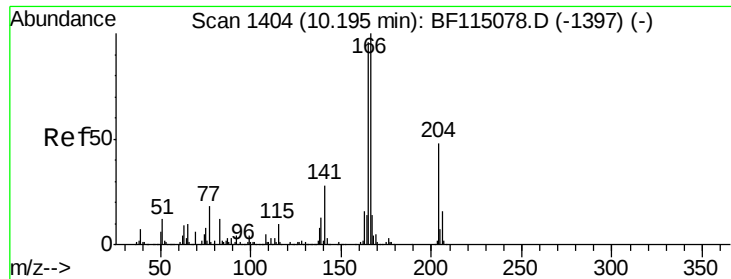
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

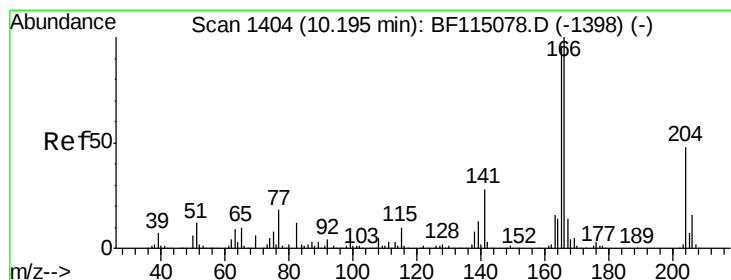
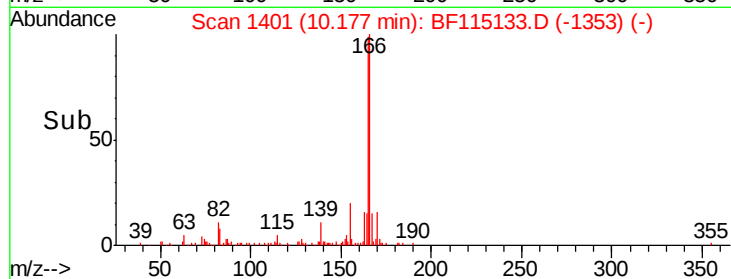
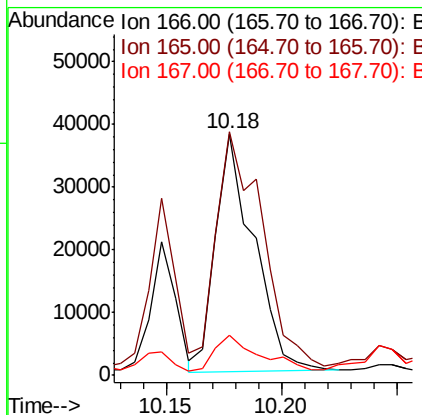
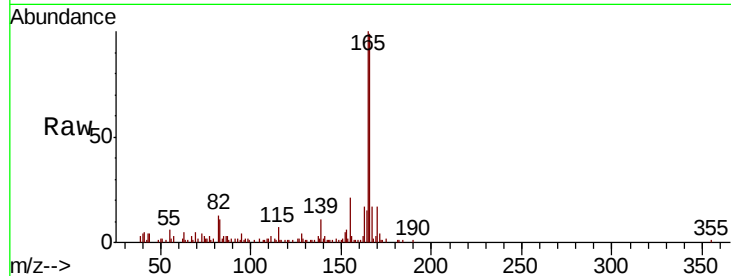




#58
 Fluorene
 Concen: Below Cal
 RT: 10.18 min Scan# 1401
 Delta R.T. -0.02 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

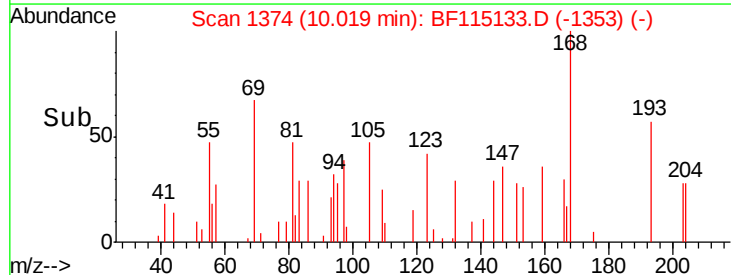
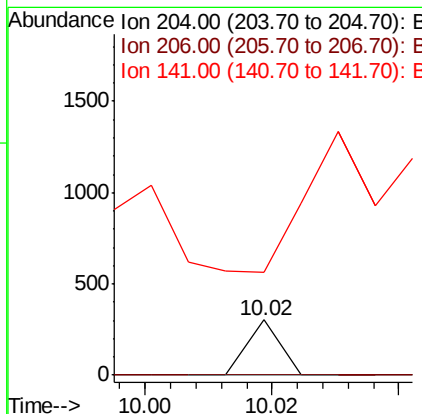
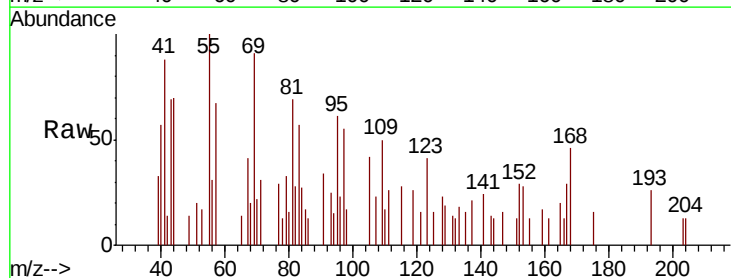
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

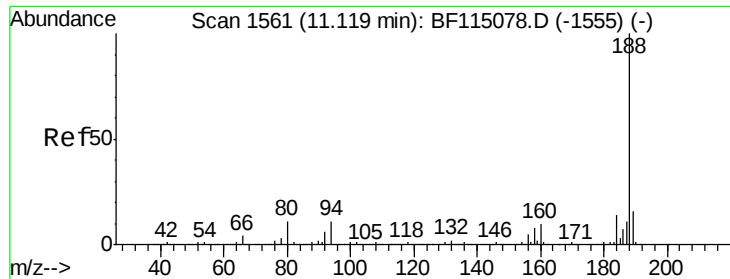
Tot Ion:166 Resp: 43320
 Ion Ratio Lower Upper
 166 100
 165 100.9 76.5 114.7
 167 16.7 11.0 16.4#



#61
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.02 min Scan# 1374
 Delta R.T. -0.18 min
 Lab File: BF115133.D
 Acq: 22 Jun 2019 20:50

Tgt Ion:204 Resp: 106
 Ion Ratio Lower Upper
 204 100
 206 0.0 26.6 40.0#
 141 187.4 46.7 70.1#

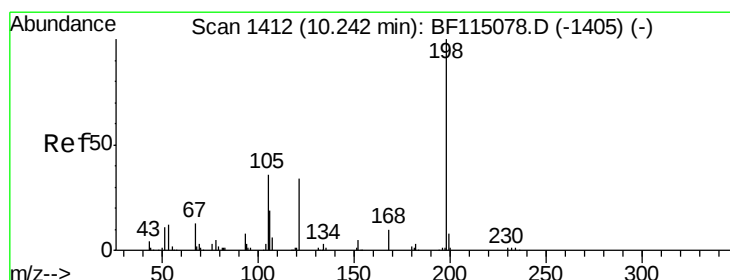
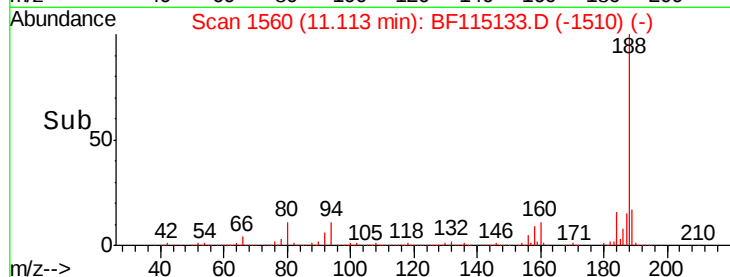
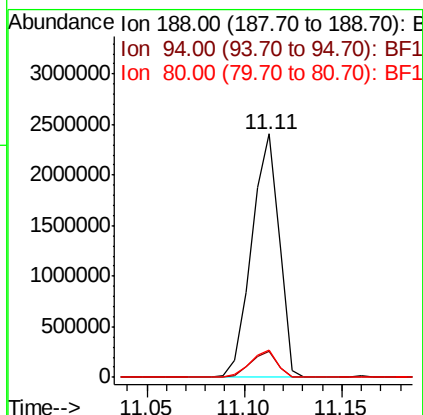
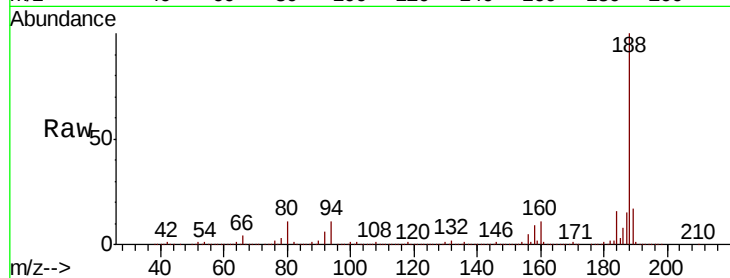




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

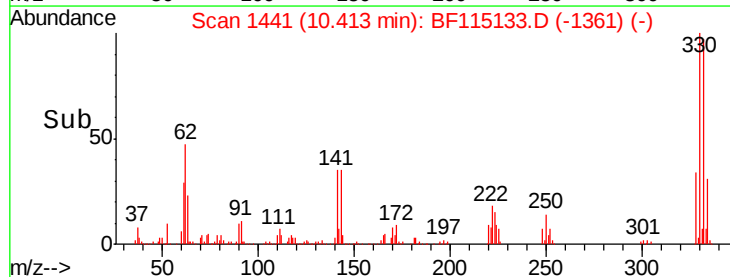
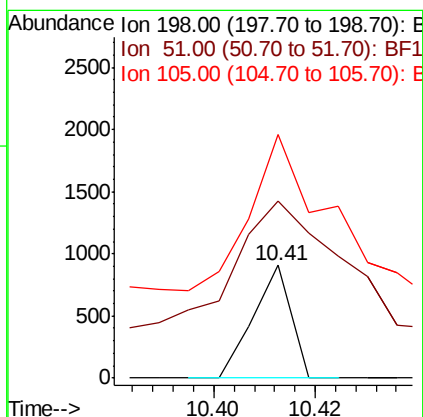
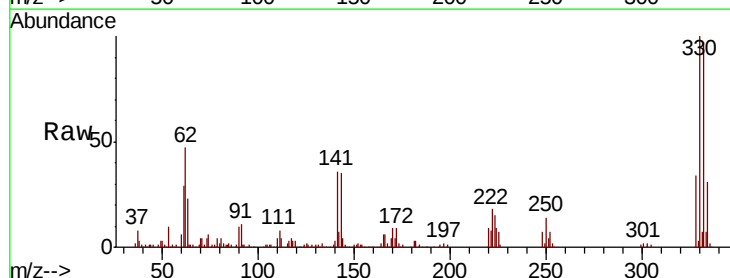
Instrument :
BNA_F
ClientSampleId :
OK-03-062019

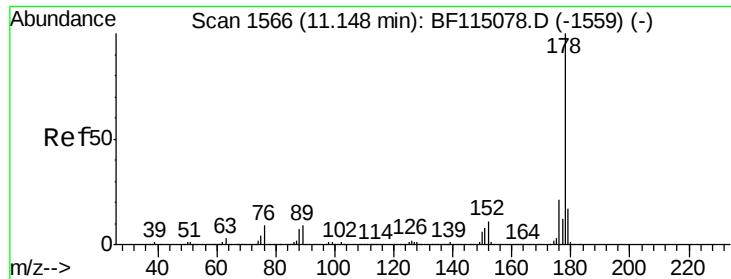
Tot Ion:188 Resp: 2351629
Ion Ratio Lower Upper
188 100
94 10.5 8.6 12.8
80 11.0 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 4.993 ng
RT: 10.41 min Scan# 1441
Delta R.T. 0.17 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt Ion:198 Resp: 467
Ion Ratio Lower Upper
198 100
51 156.9 11.0 51.0#
105 215.5 17.3 57.3#

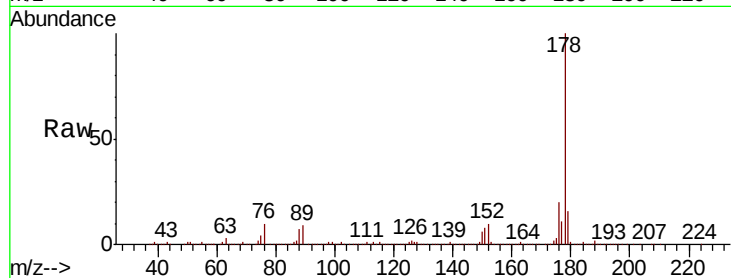




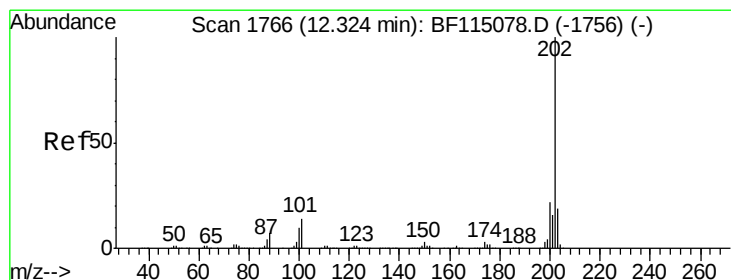
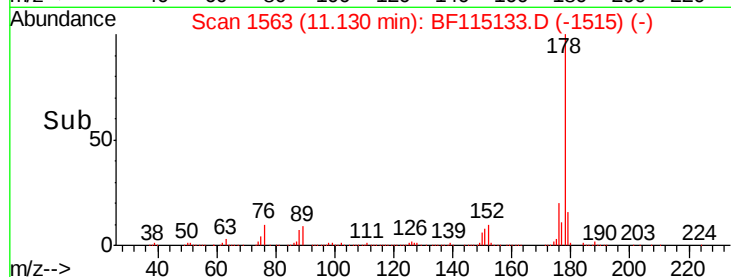
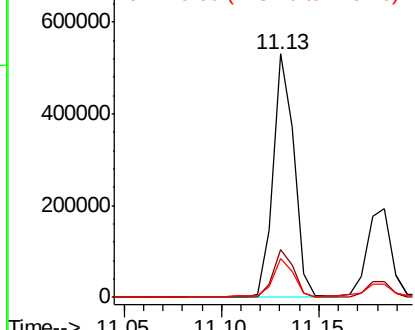
#71
Phenanthrene
Concen: 3.108 ng
RT: 11.13 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

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

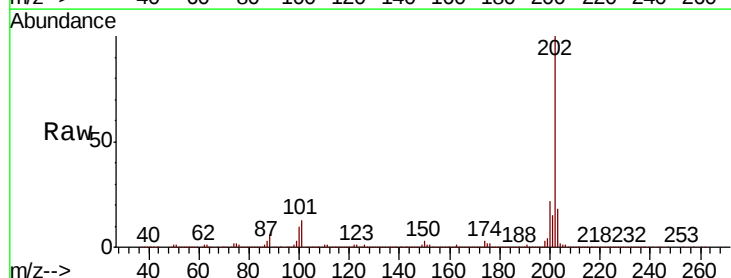


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

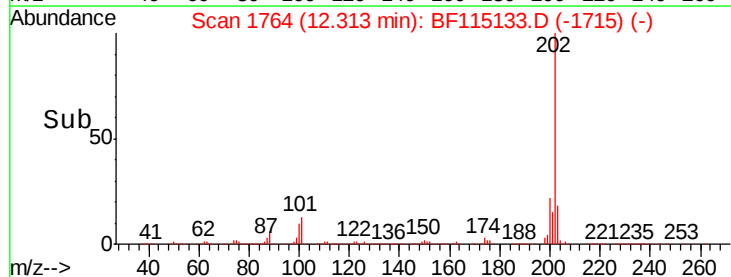
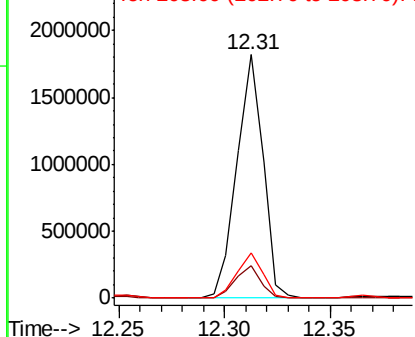


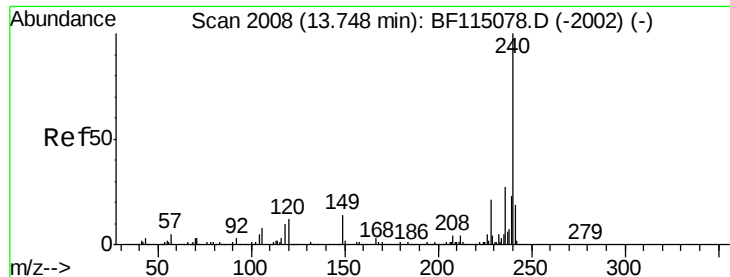
#75
Fluoranthene
Concen: 12.276 ng
RT: 12.31 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Tgt 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

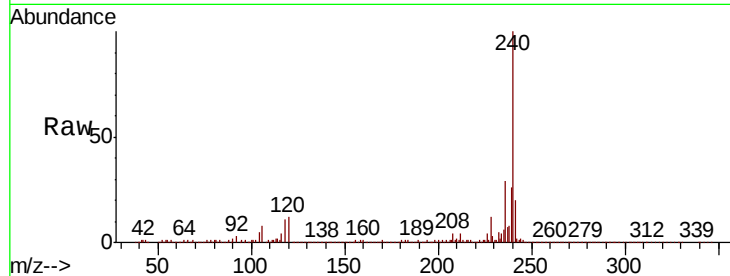




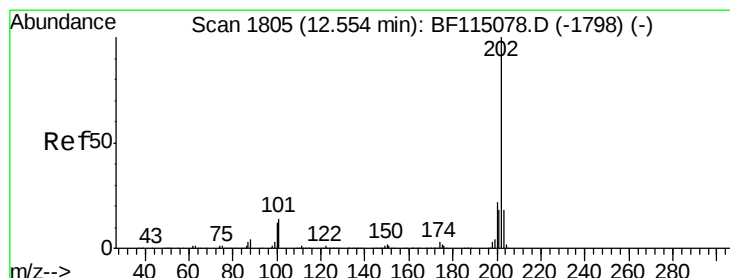
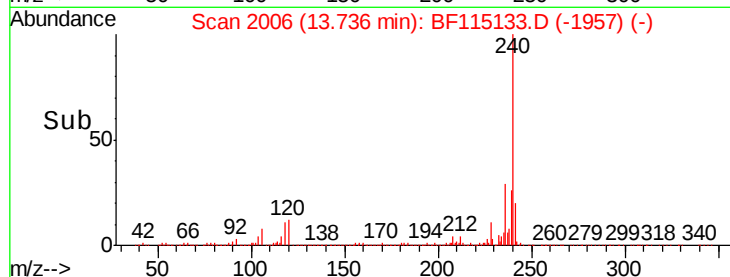
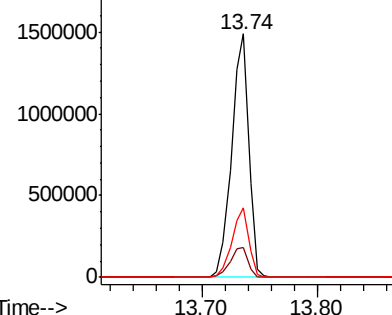
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-062019

Tot Ion:240 Resp: 1522641
Ion Ratio Lower Upper
240 100
120 12.1 9.4 14.2
236 28.8 21.7 32.5

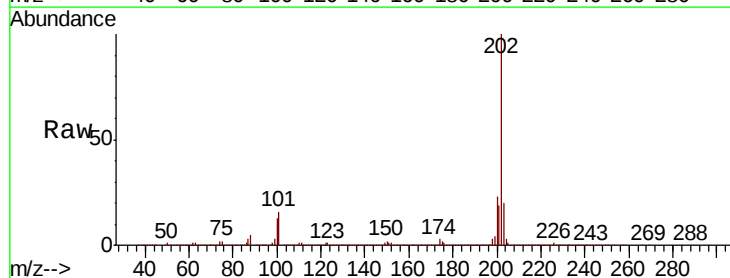


Abundance Ion 240.00 (239.70 to 240.70): E
2000000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

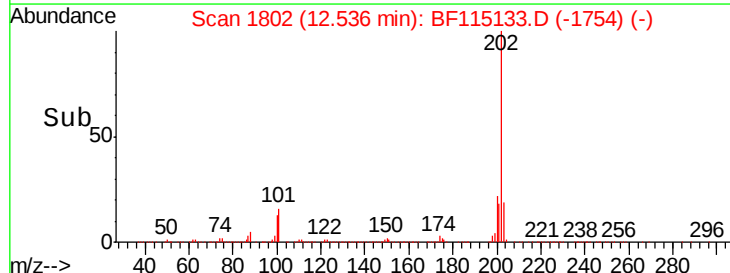
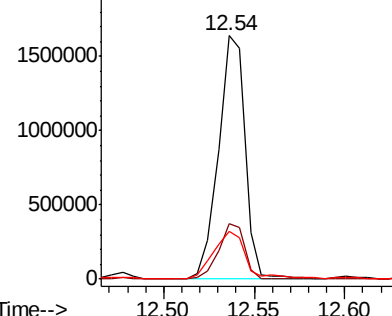


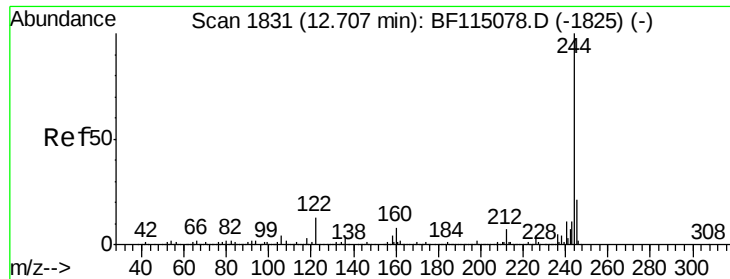
#78
Pyrene
Concen: 14.237 ng
RT: 12.54 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

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



Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#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

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

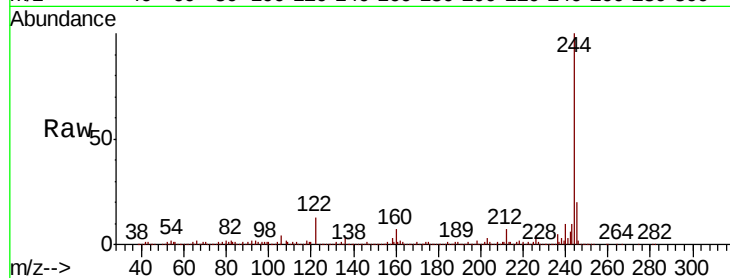
Tot Ion:244 Resp: 870285

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

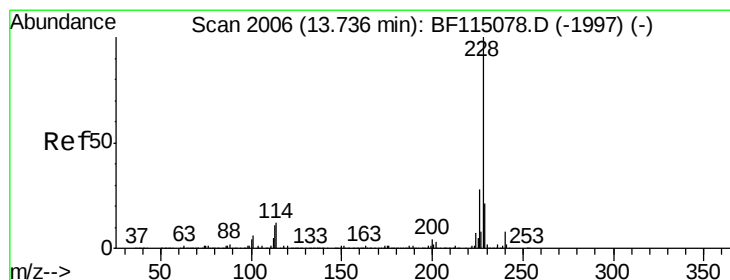
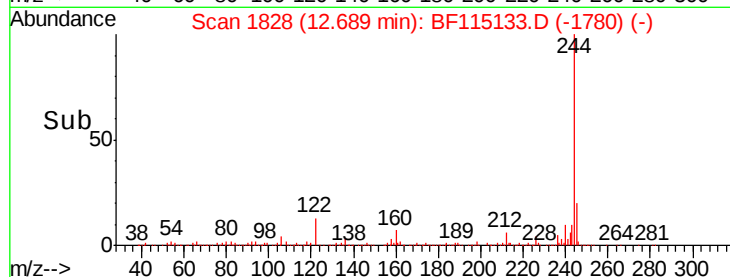
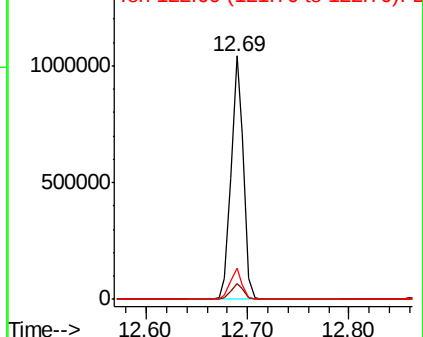
122 13.0 10.4 15.6



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: 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

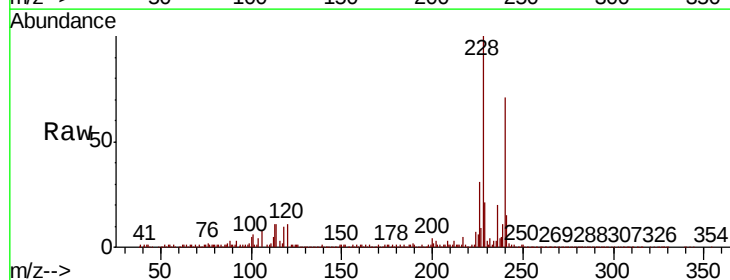
Tgt Ion:228 Resp: 1102902

Ion Ratio Lower Upper

228 100

226 30.8 22.5 33.7

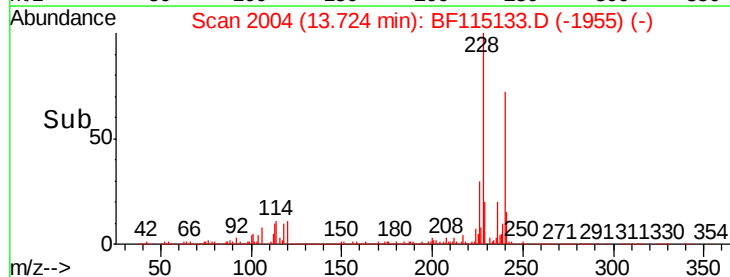
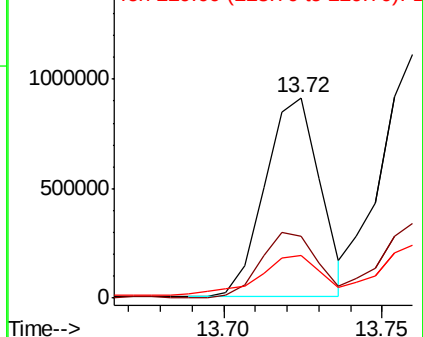
229 21.5 16.6 24.8

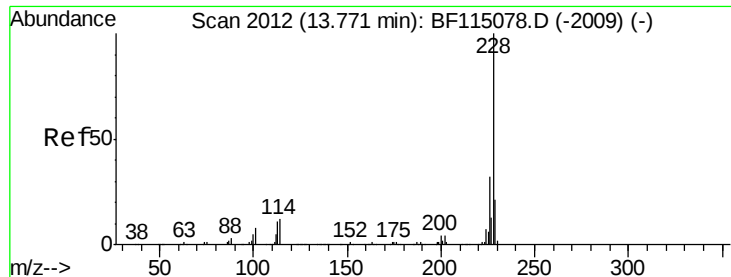


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

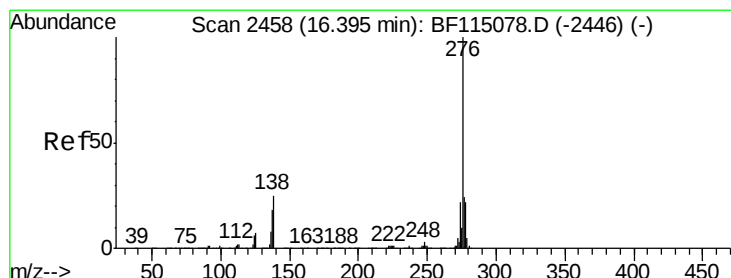
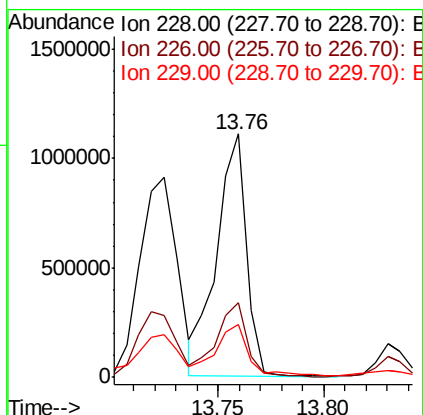
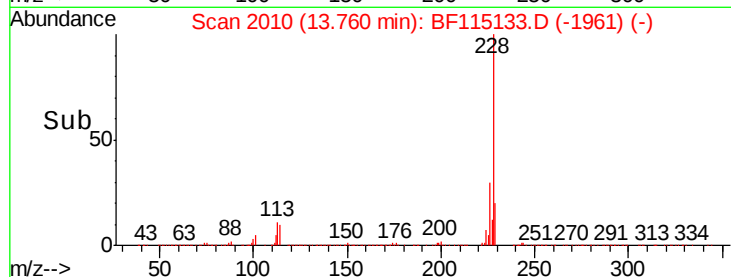
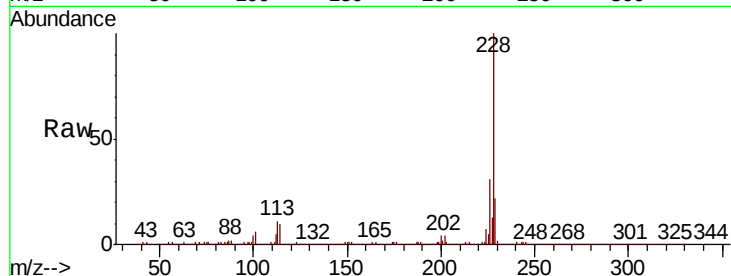




#83
Chrysene
Concen: 10.837 ng
RT: 13.76 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF115133.D
Acq: 22 Jun 2019 20:50

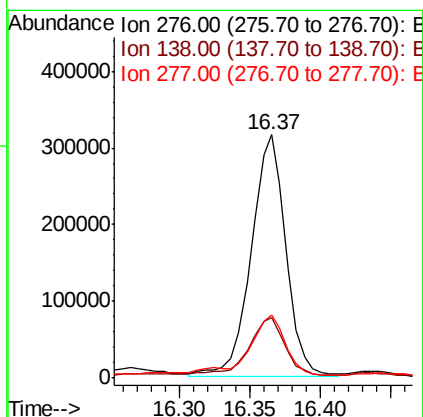
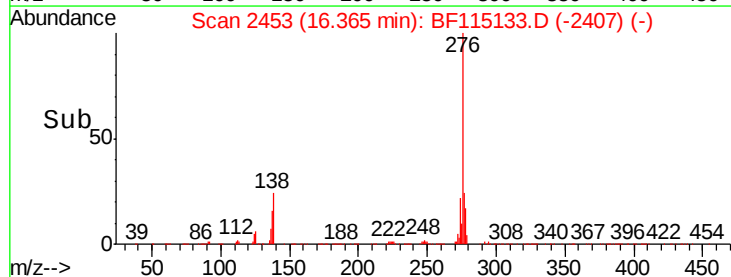
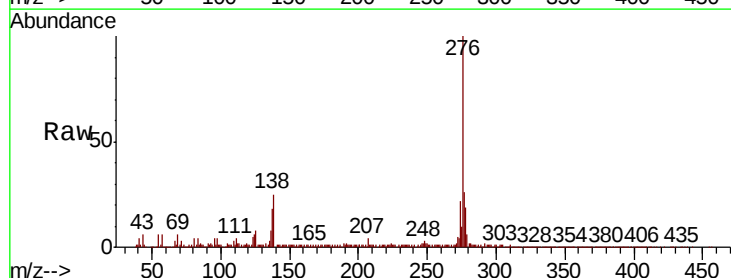
Instrument :
BNA_F
ClientSampleId :
OK-03-062019

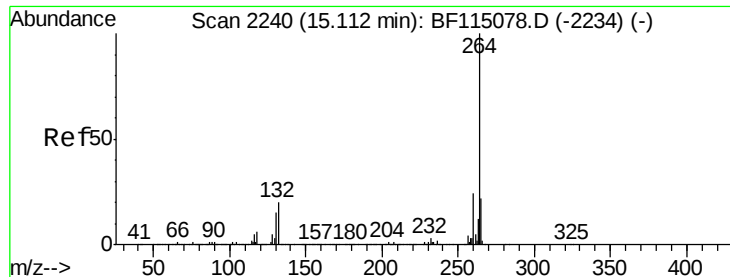
Tot Ion:228 Resp: 1084578
Ion Ratio Lower Upper
228 100
226 30.7 25.4 38.0
229 21.9 16.5 24.7



#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

Tgt 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

Pervlene-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

Instrument :

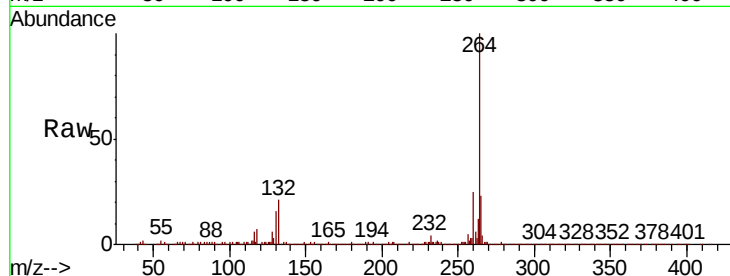
BNA_F

ClientSampleId :

OK-03-062019

Tot Ion:264 Resp: 1575779

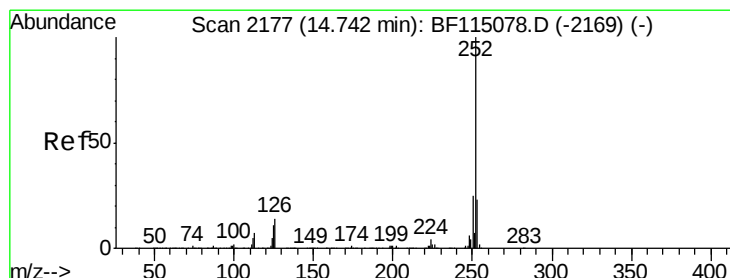
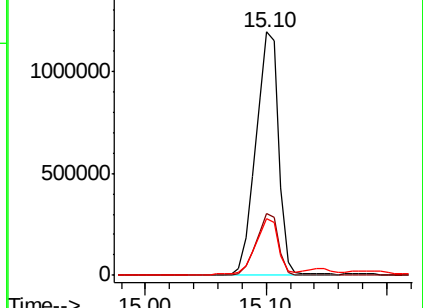
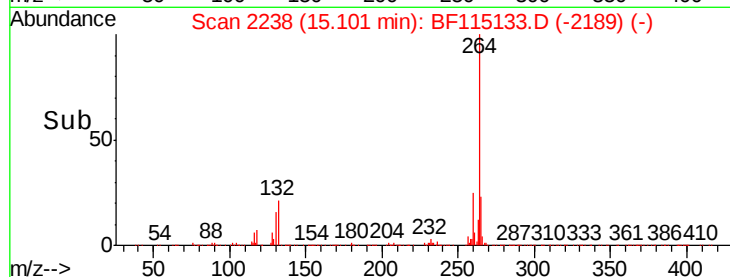
Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	23.1	17.3	25.9



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: 19.398 ng

RT: 14.72 min Scan# 2174

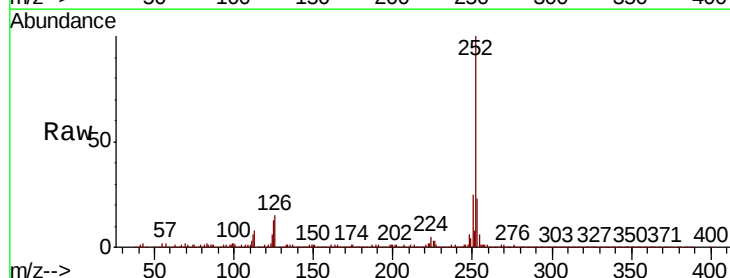
Delta R.T. -0.02 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Tgt Ion:252 Resp: 1907242

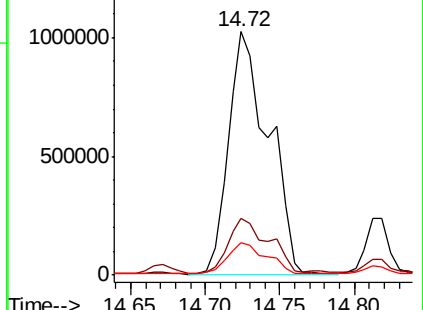
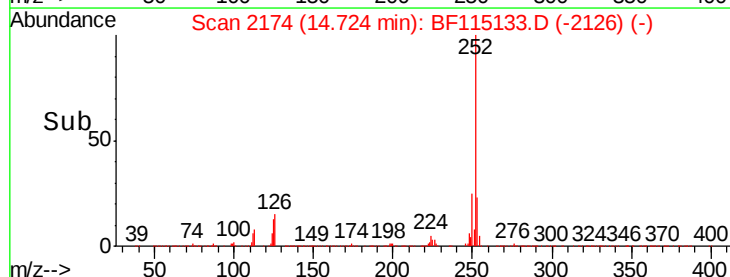
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.2	8.7	13.1#

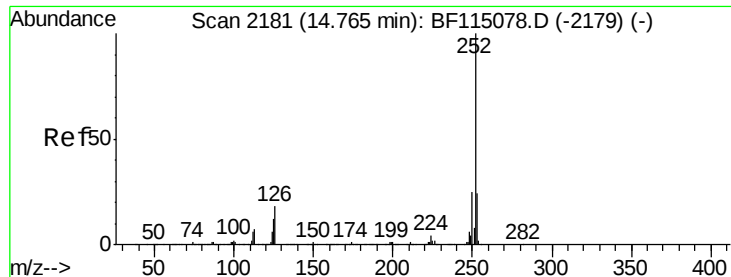


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.630 ng

RT: 14.72 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF115133.D

Acq: 22 Jun 2019 20:50

Instrument :

BNA_F

ClientSampleId :

OK-03-062019

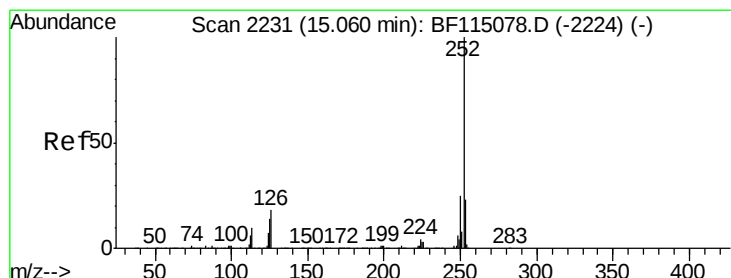
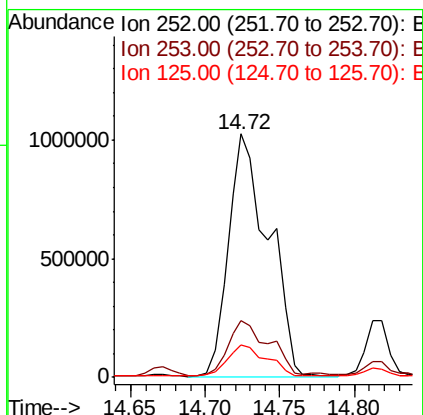
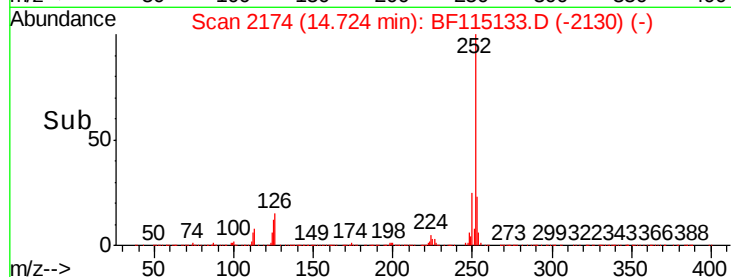
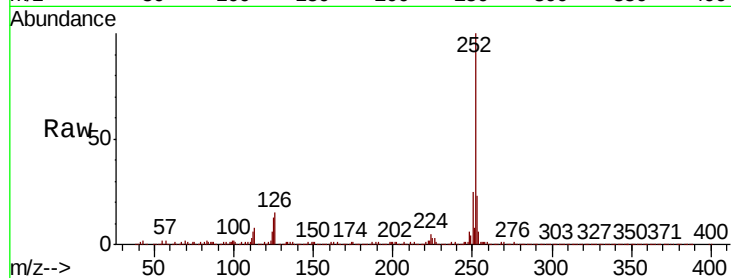
Tot Ion:252 Resp: 1907242

Ion Ratio Lower Upper

252 100

253 23.1 18.9 28.3

125 13.2 10.2 15.2



#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

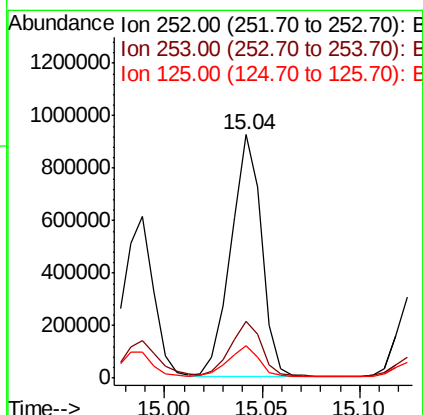
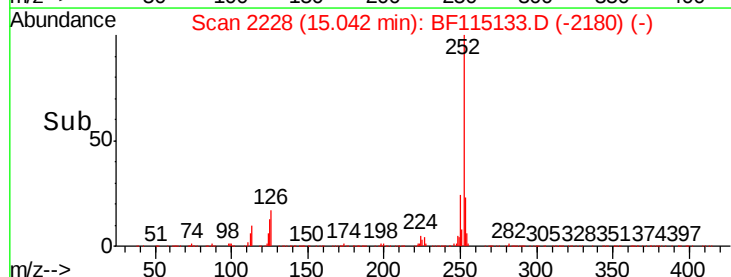
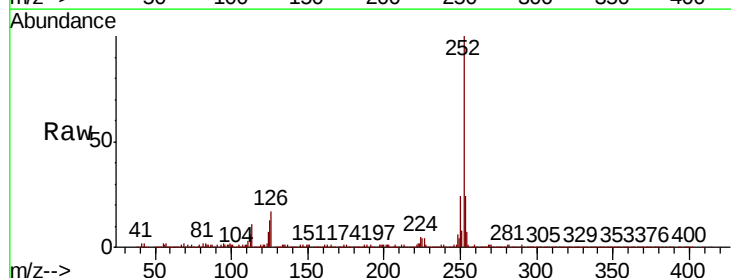
Tgt Ion:252 Resp: 1010760

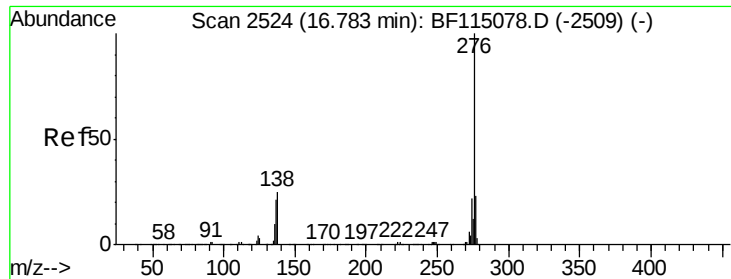
Ion Ratio Lower Upper

252 100

253 23.5 18.3 27.5

125 13.2 10.9 16.3





#92
 Benzo(a,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

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-062019

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	25.2	19.8	29.6

