

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115673.D
 Acq On : 19 Jul 2019 13:27
 Operator : HP/JU
 Sample : K3874-01RX 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 14:07:07 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	184291	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	744319	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	347060	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	599751	20.00	ng	0.00
76) Chrysene-d12	14.04	240	356431	20.00	ng	0.00
87) Perylene-d12	15.52	264	405916	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	446861	39.66	ng	0.00
7) Phenol-d6	6.50	99	600204	41.98	ng	-0.01
23) Nitrobenzene-d5	7.43	82	368410	28.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	140325	34.64	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	623667	31.45	ng	-0.02
79) Terphenyl-d14	12.99	244	482289	24.97	ng	-0.01

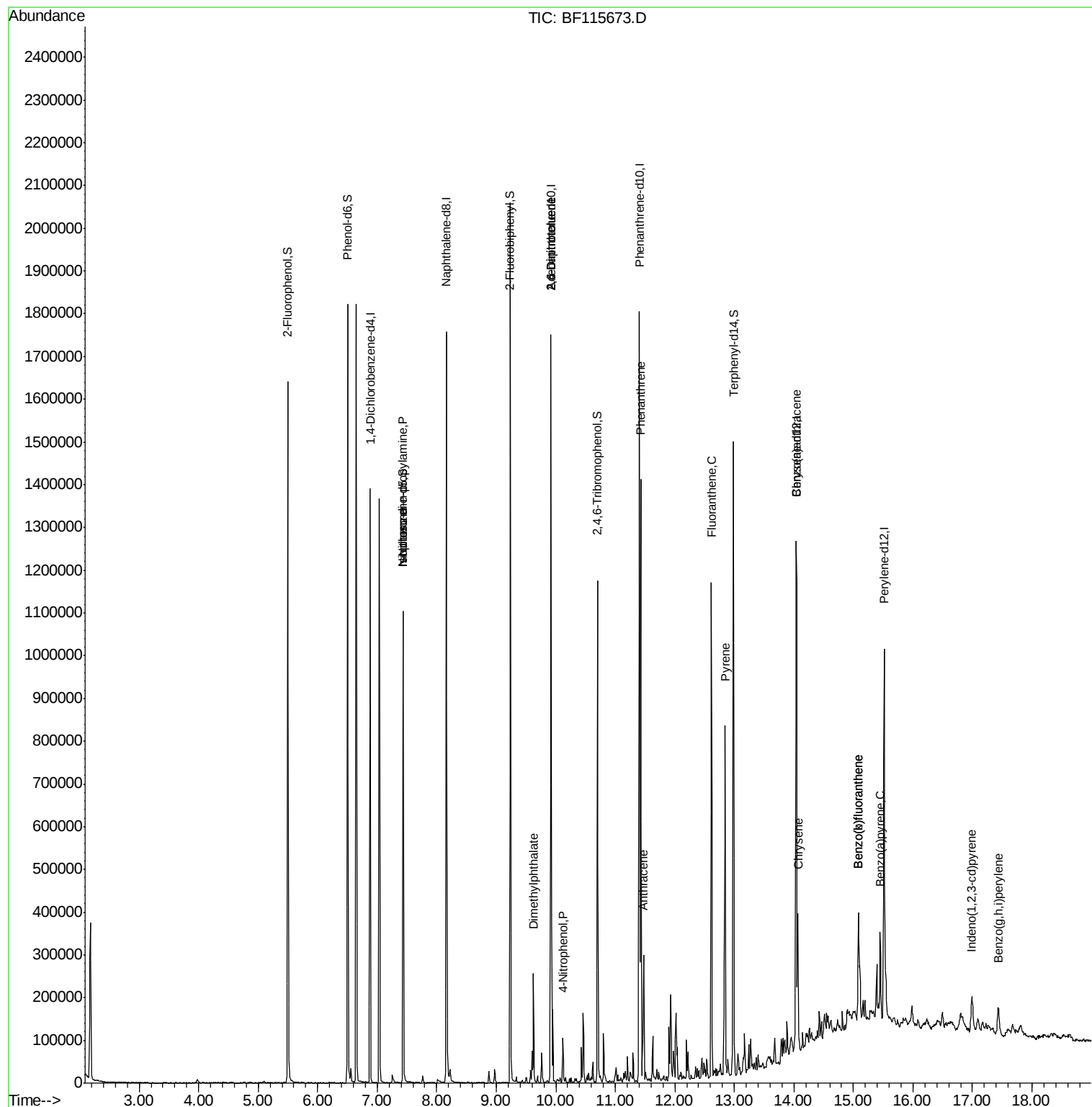
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	47341	5.077	ng	# 81
25) Isophorone	7.43	82	361078	14.097	ng	# 64
50) Dimethylphthalate	9.63	163	99732	3.819	ng	98
51) 2,6-Dinitrotoluene	9.92	165	45433	7.656	ng	# 27
56) 4-Nitrophenol	10.12	139	12591	2.435	ng	# 10
57) 2,4-Dinitrotoluene	9.92	165	45433	5.910	ng	# 24
71) Phenanthrene	11.43	178	466980	15.190	ng	96
72) Anthracene	11.47	178	114390	3.600	ng	97
75) Fluoranthene	12.62	202	401707	12.365	ng	99
78) Pyrene	12.84	202	318241	10.538	ng	96
81) Benzo(a)anthracene	14.03	228	139151	5.926	ng	97
83) Chrysene	14.07	228	122647	5.203	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	54556	2.724	ng	94
88) Benzo(b)fluoranthene	15.09	252	183229	7.010	ng	99
89) Benzo(k)fluoranthene	15.09	252	183229	7.863	ng	98
90) Benzo(a)pyrene	15.45	252	95578	4.255	ng	99
92) Benzo(a,h,i)perylene	17.44	276	49629	2.523	ng	99

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

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Quant Time: Jul 19 14:07:07 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



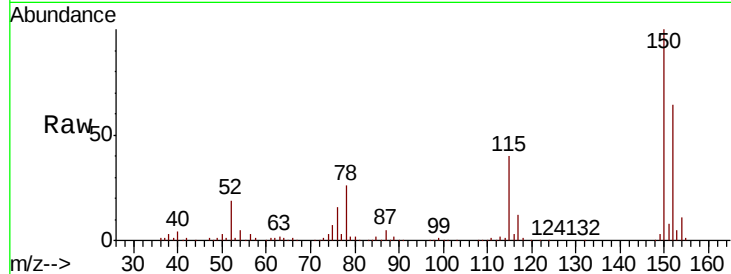


#1

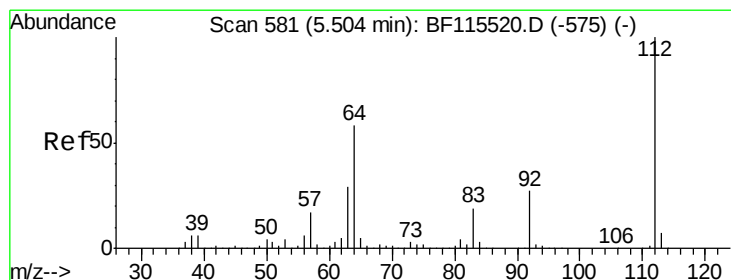
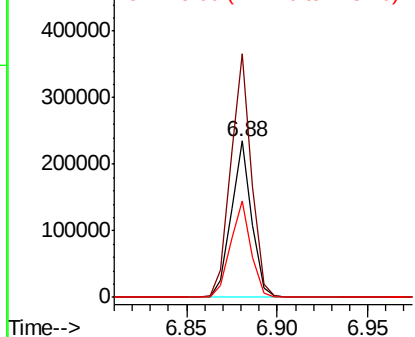
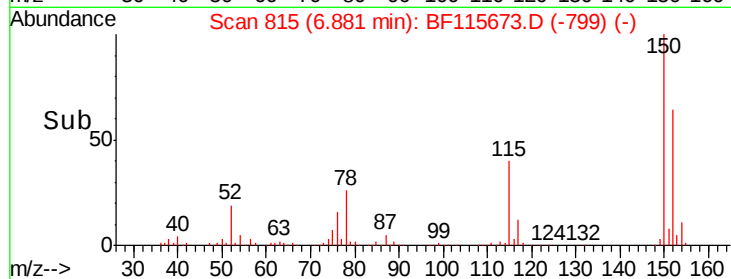
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 184291
Ion Ratio Lower Upper
152 100
150 156.0 129.7 194.5
115 61.8 48.2 72.4



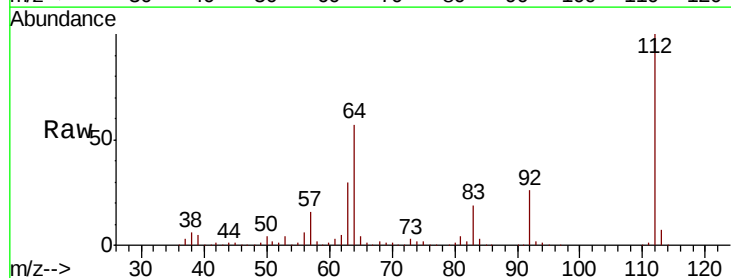
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



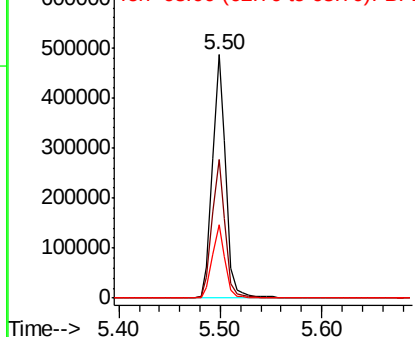
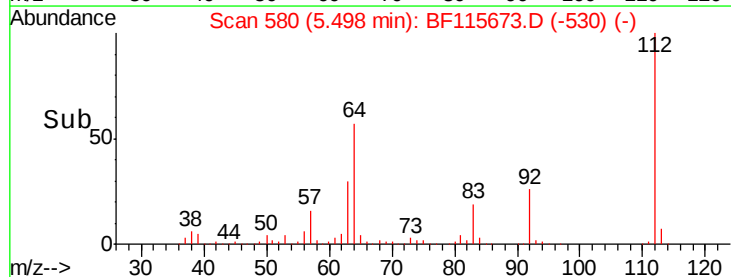
#5

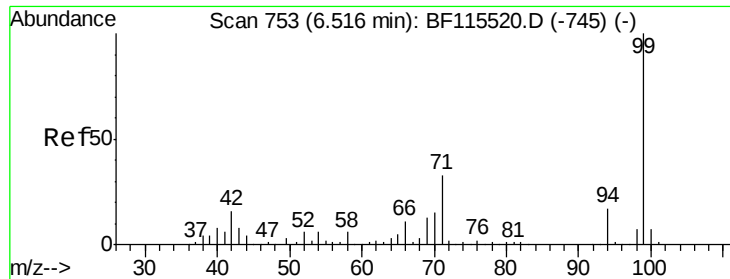
2-Fluorophenol
Concen: 39.662 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion:112 Resp: 446861
Ion Ratio Lower Upper
112 100
64 56.7 46.8 70.2
63 29.9 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: 41.984 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

Instrument :

BNA_F

ClientSampleId :

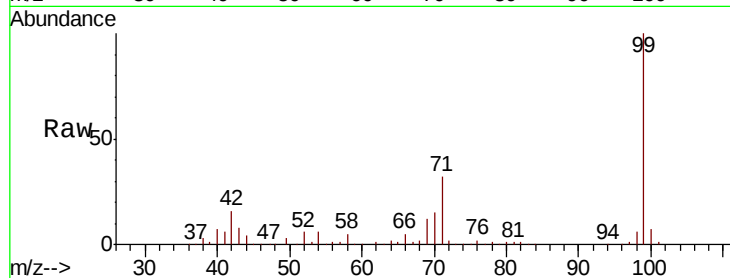
Tot Ion: 99 Resp: 600204

Ion Ratio Lower Upper

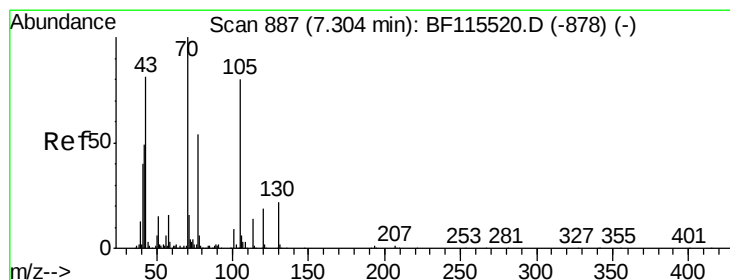
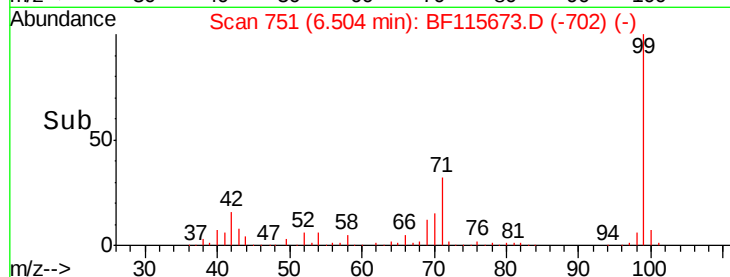
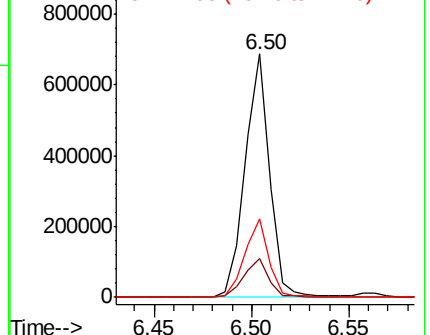
99 100

42 16.1 13.6 20.4

71 32.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 5.077 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

Tgt Ion: 70 Resp: 47341

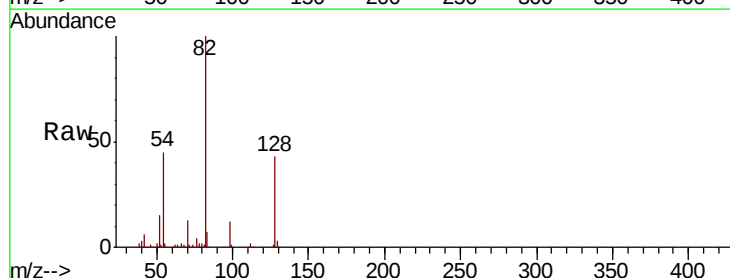
Ion Ratio Lower Upper

70 100

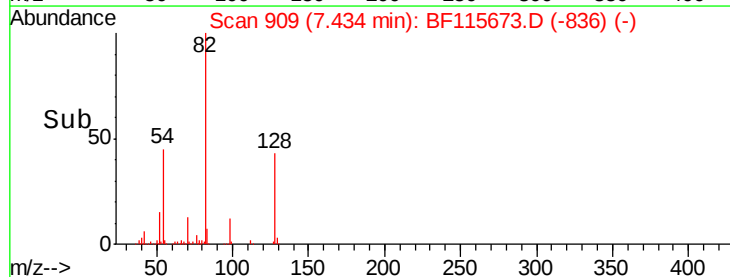
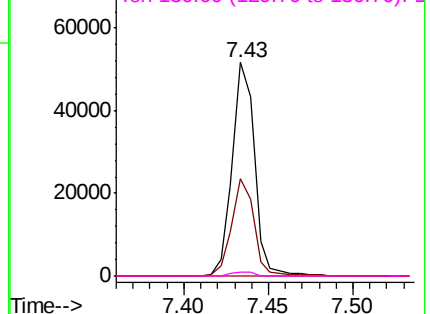
42 45.6 39.6 59.4

101 0.0 8.1 12.1#

130 2.1 18.2 27.2#



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

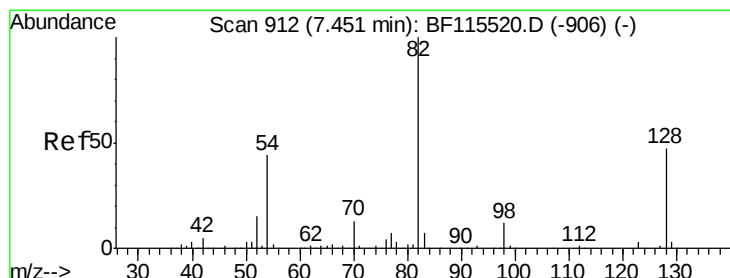
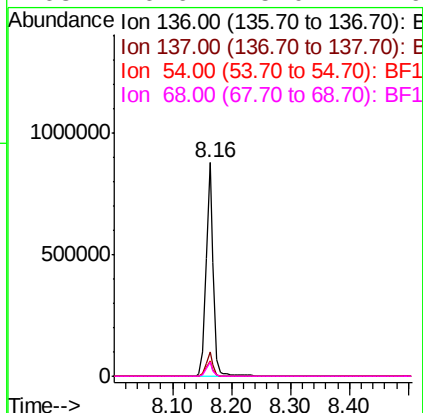
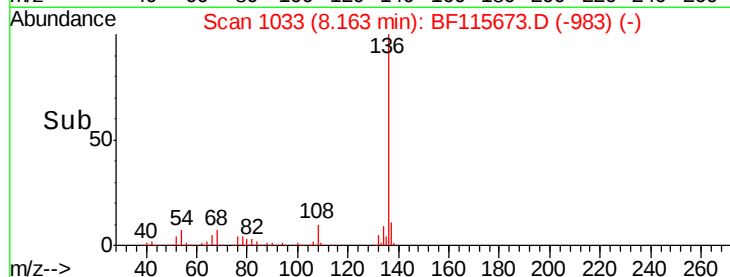
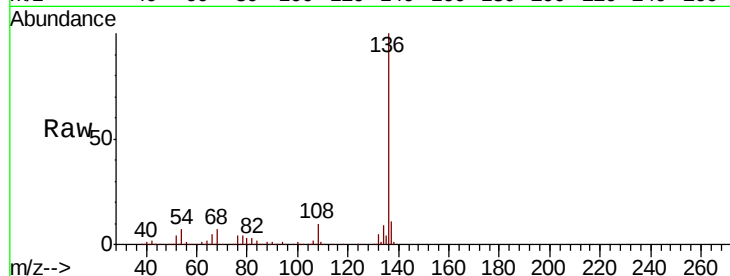




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

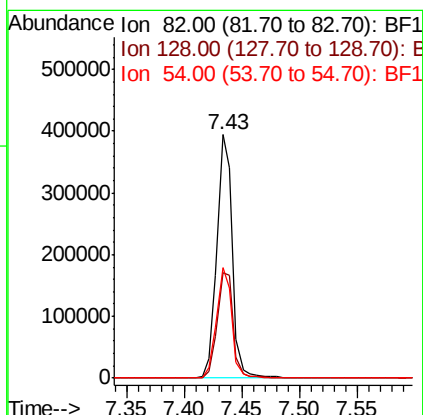
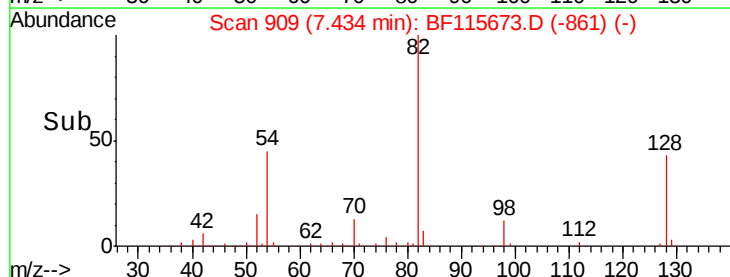
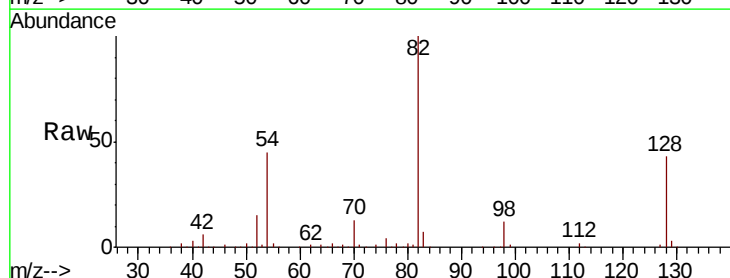
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	744319
Ion Ratio	Lower	Upper
136 100		
137 11.2	9.0	13.4
54 7.1	5.6	8.4
68 6.6	5.0	7.6



#23
Nitrobenzene-d5
Concen: 28.780 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion: 82	Resp: 368410
Ion Ratio	Lower Upper
82 100	
128 43.3	38.6 57.8
54 45.2	35.6 53.4





#25

Isophorone

Concen: 14.097 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

Instrument :

BNA_F

ClientSampleId :

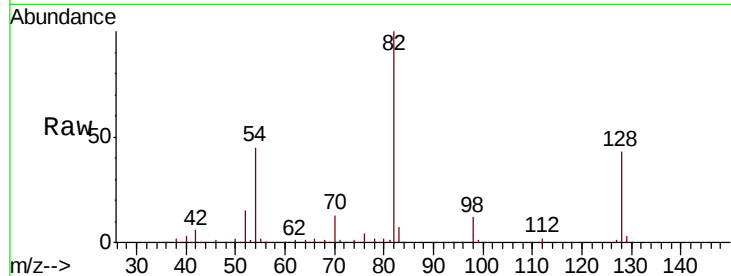
Tot Ion: 82 Resp: 361078

Ion Ratio Lower Upper

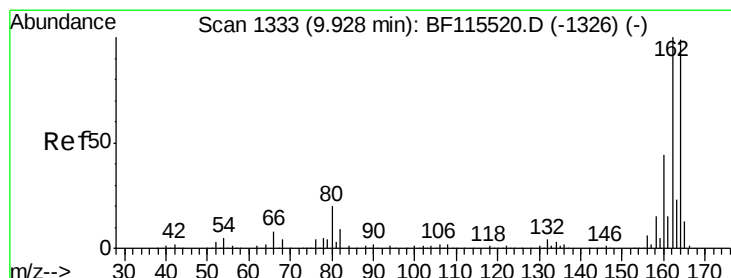
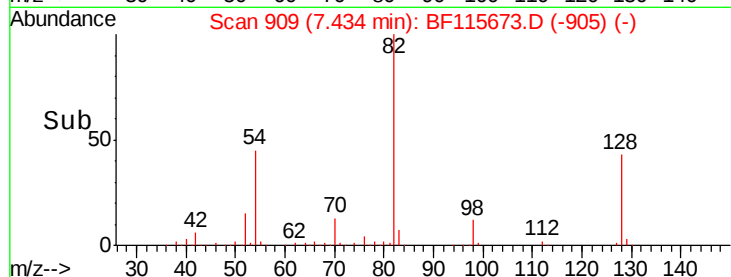
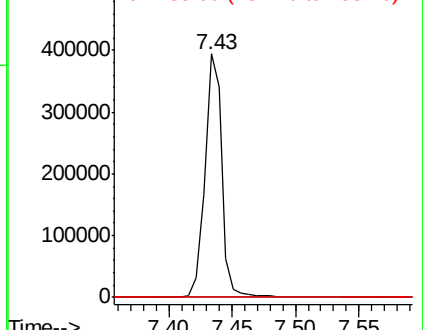
82 100

95 0.0 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: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

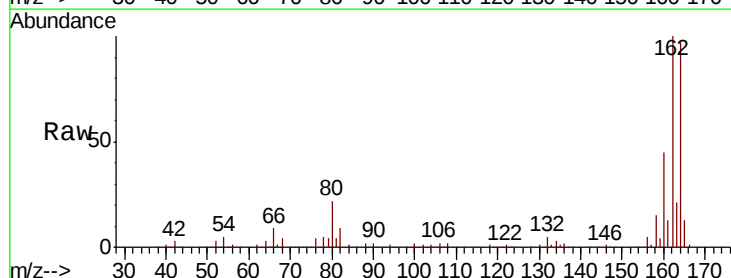
Tgt Ion: 164 Resp: 347060

Ion Ratio Lower Upper

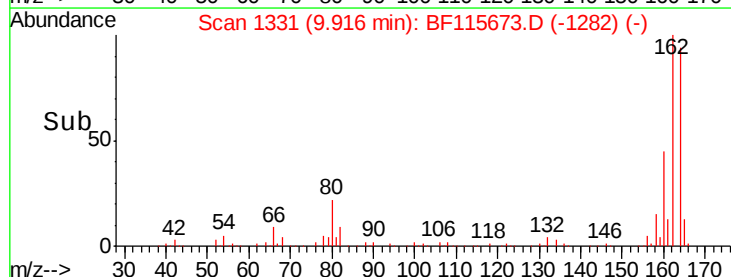
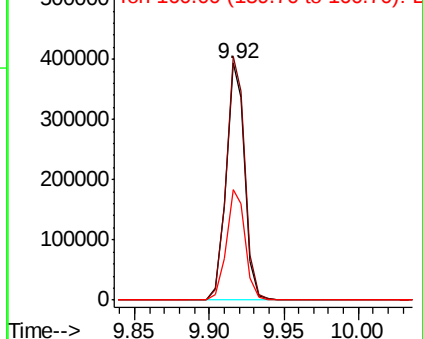
164 100

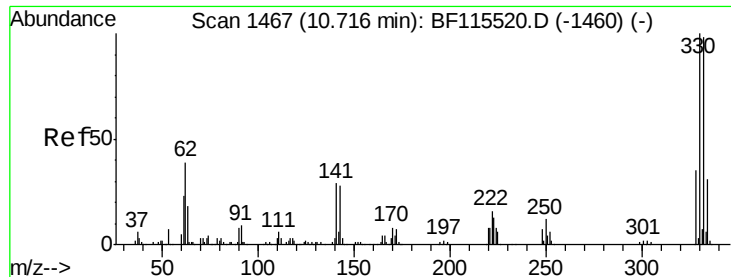
162 102.9 82.9 124.3

160 46.5 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

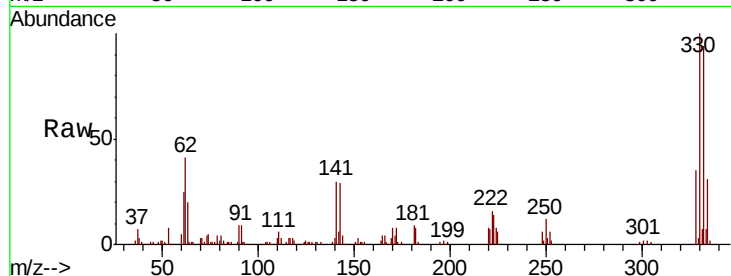




#42
 2,4,6-Tribromophenol
 Concen: 34.639 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF115673.D
 Acq: 19 Jul 2019 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.4	116.2
141	33.2	22.4	33.6

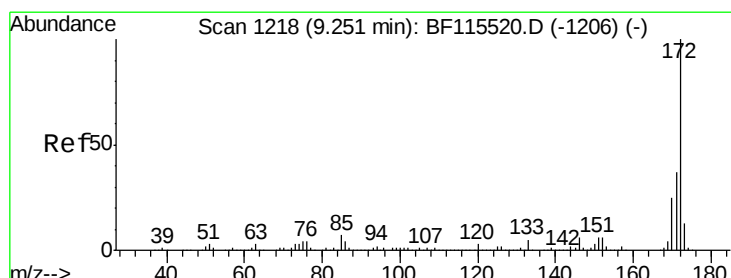
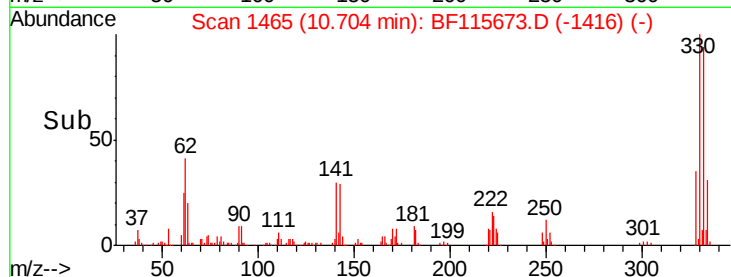
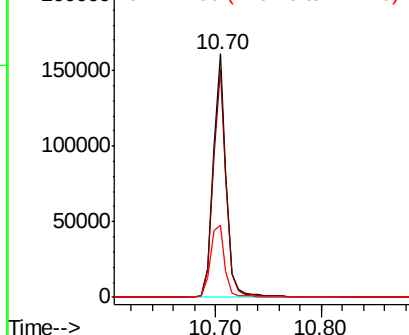


Abundance

Ion 329.80 (329.50 to 330.50): E

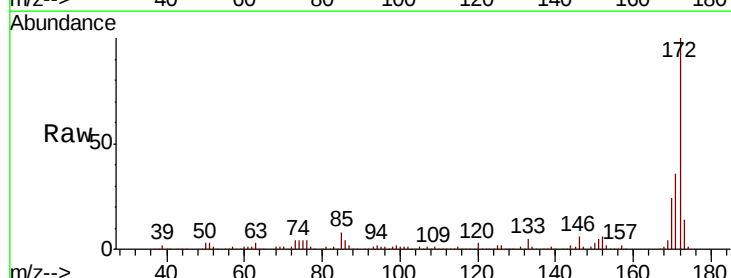
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 31.453 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115673.D
 Acq: 19 Jul 2019 13:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.6	46.0
170	23.9	20.5	30.7

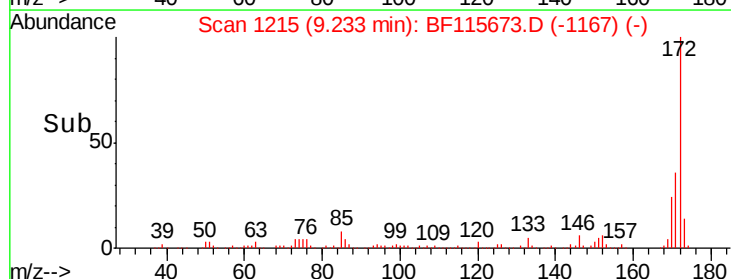
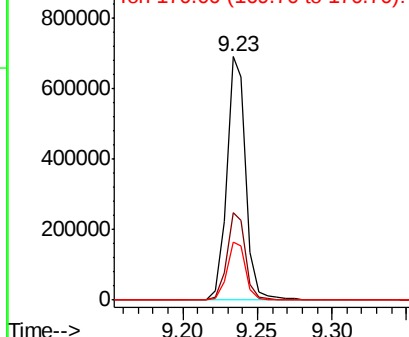


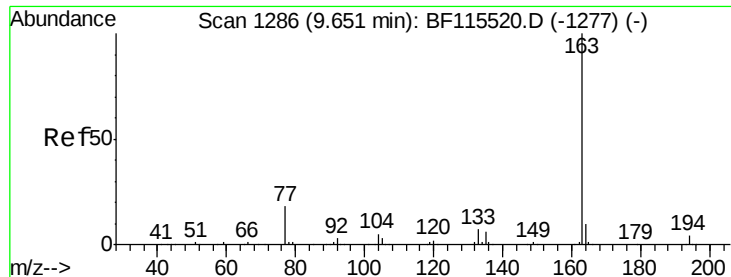
Abundance

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

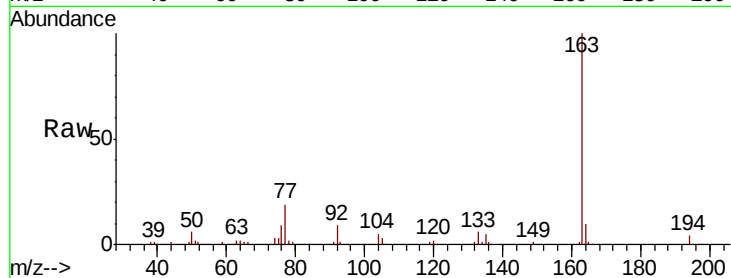




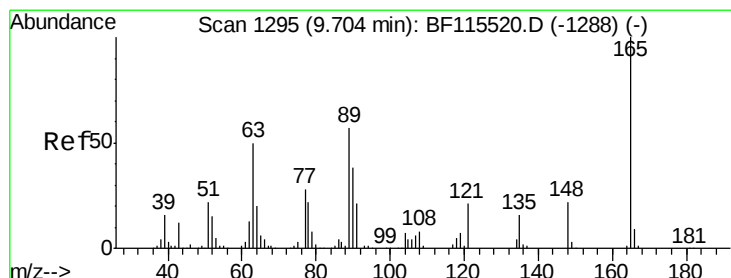
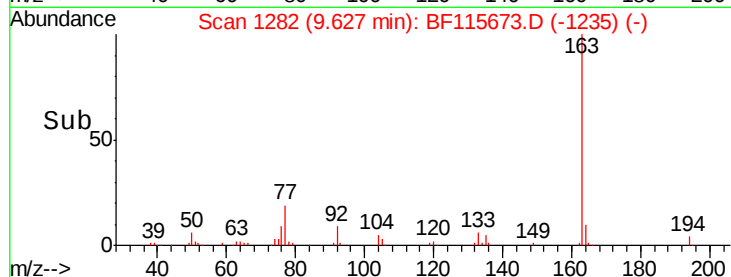
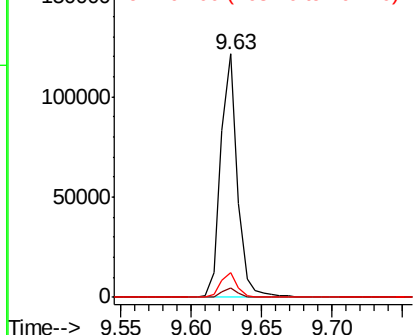
#50
Dimethylphthalate
Concen: 3.819 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 99732
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.7 13.1

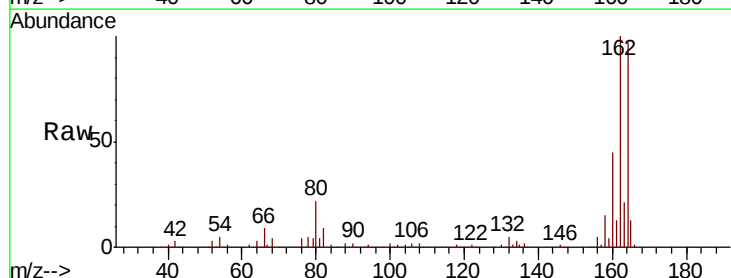


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

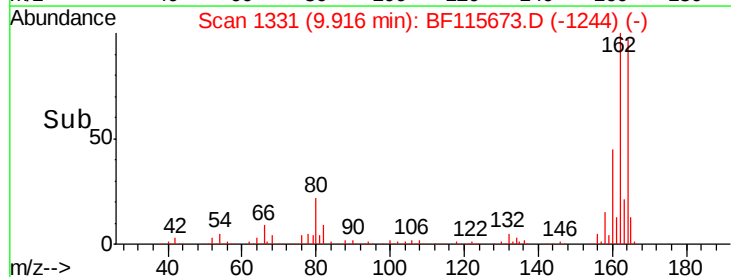
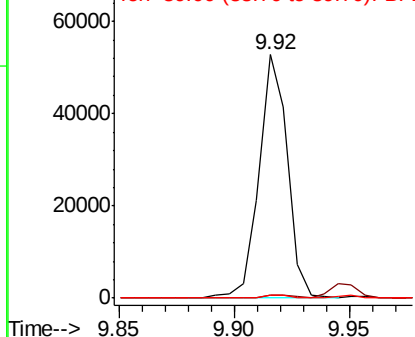


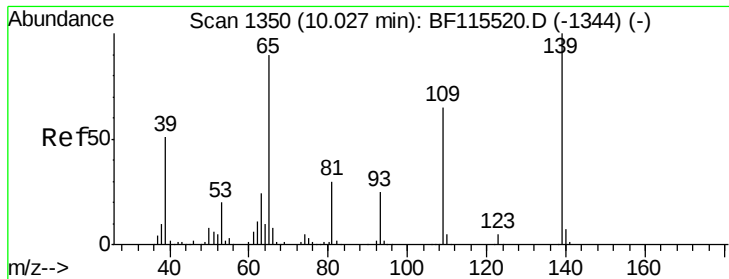
#51
2,6-Dinitrotoluene
Concen: 7.656 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion:165 Resp: 45433
Ion Ratio Lower Upper
165 100
63 1.1 40.6 61.0#
89 1.1 43.9 65.9#



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

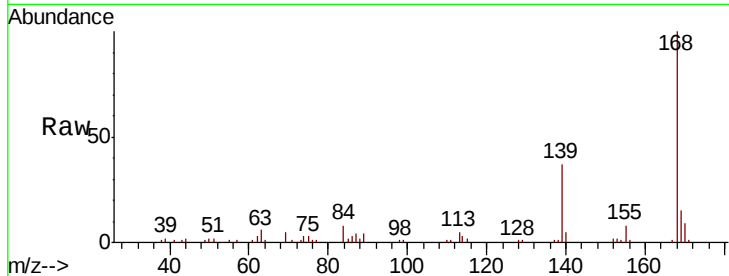




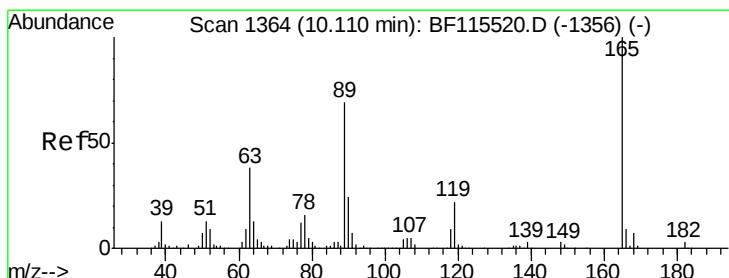
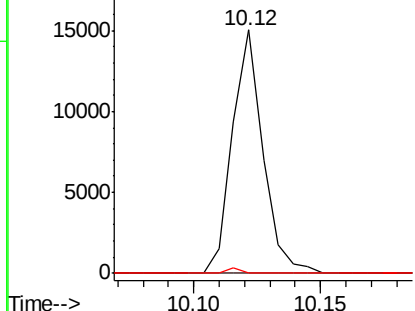
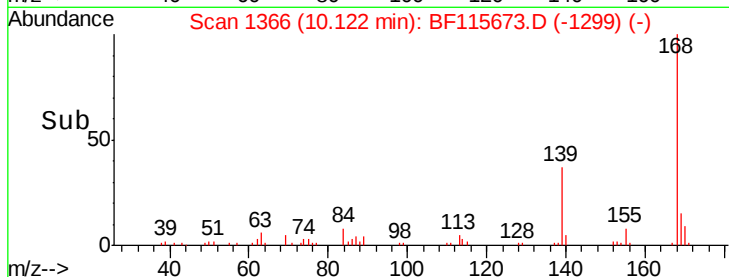
#56
4-Nitrophenol
Concen: 2.435 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	46.4	86.4#
65	0.0	68.9	108.9#

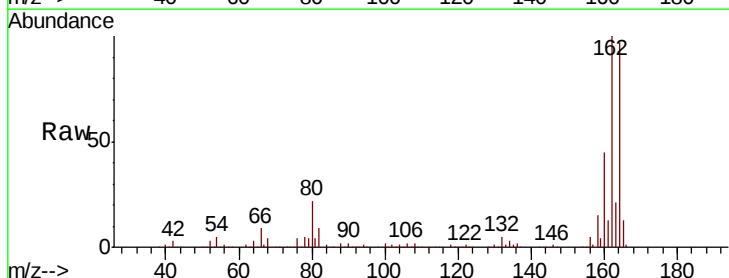


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

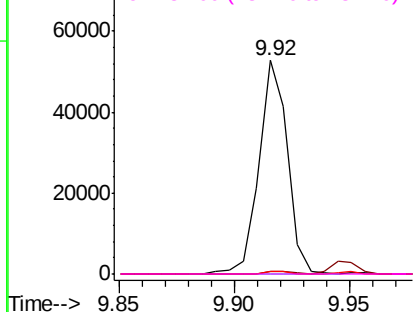
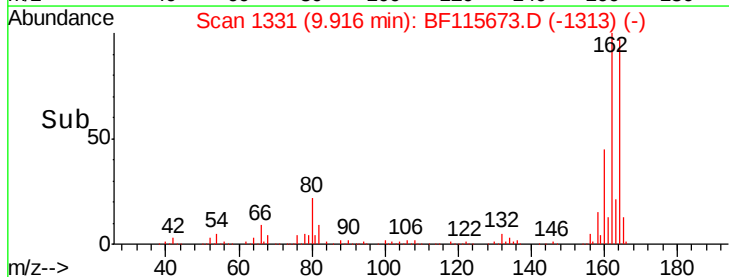


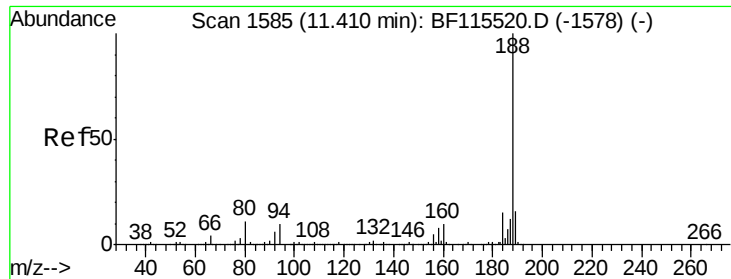
#57
2,4-Dinitrotoluene
Concen: 5.910 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.9	52.3#
89	1.1	57.5	86.3#
182	0.0	2.2	3.4#



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

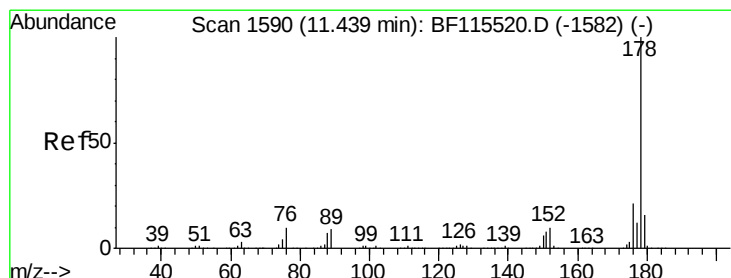
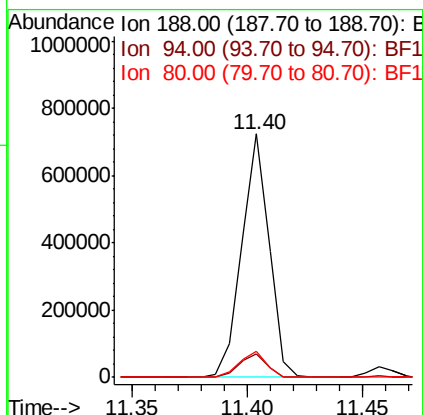
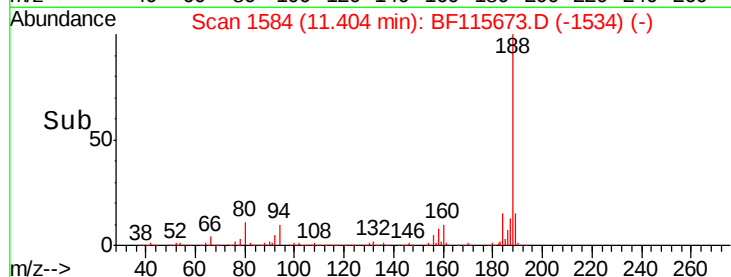
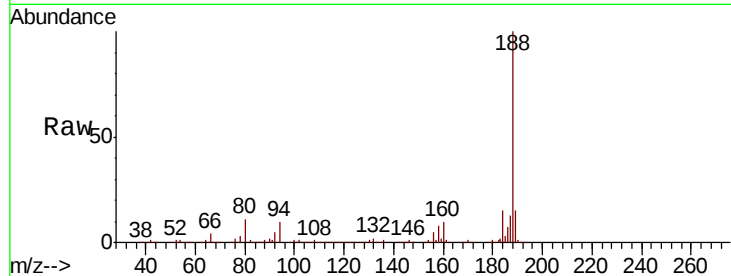




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

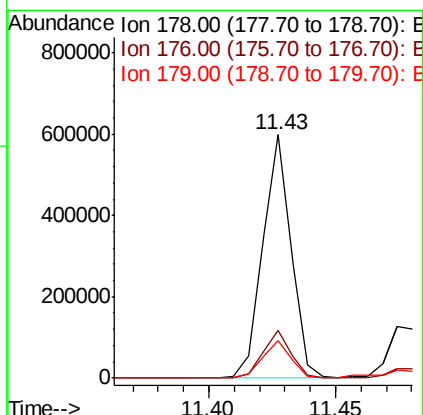
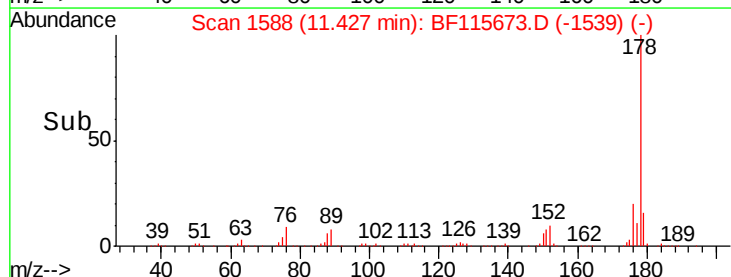
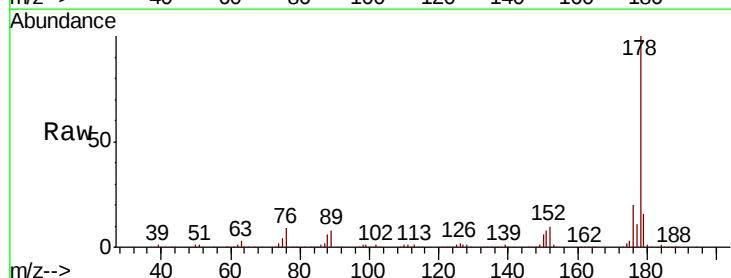
Instrument :
BNA_F
ClientSampled :

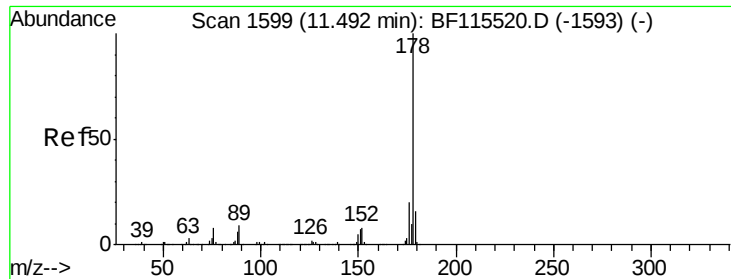
Tot Ion:188 Resp: 599751
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 10.5 8.6 13.0



#71
Phenanthrene
Concen: 15.190 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion:178 Resp: 466980
Ion Ratio Lower Upper
178 100
176 19.7 17.2 25.8
179 15.5 13.5 20.3





#72

Anthracene

Concen: 3.600 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

Instrument :

BNA_F

ClientSampleId :

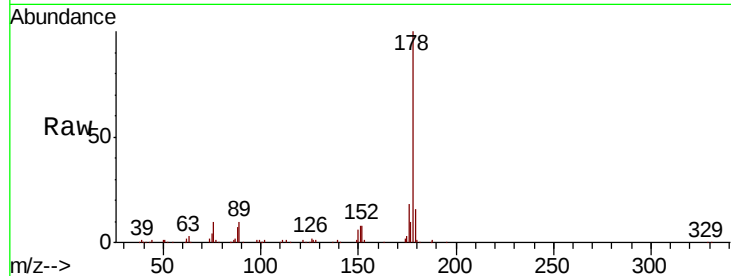
Tot Ion:178 Resp: 114390

Ion Ratio Lower Upper

178 100

176 18.0 15.9 23.9

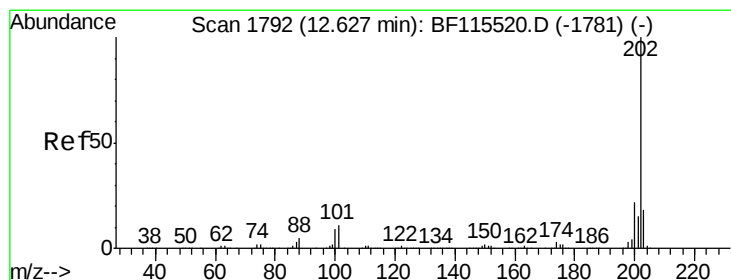
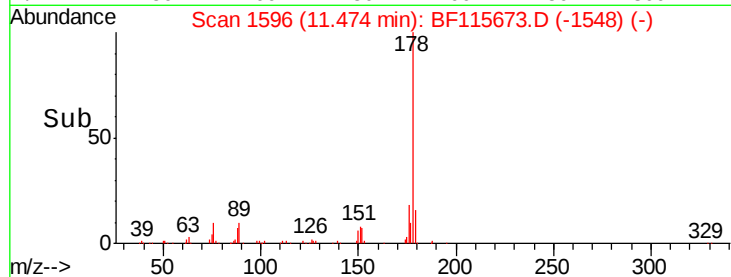
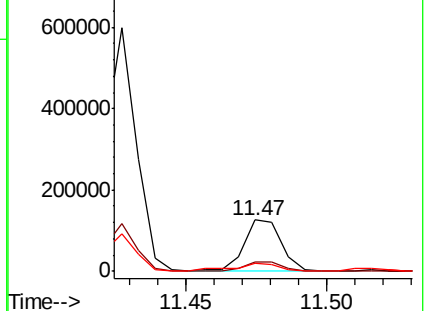
179 15.6 12.7 19.1



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: 12.365 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

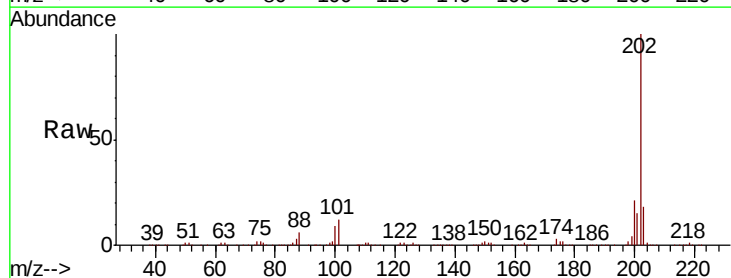
Tgt Ion:202 Resp: 401707

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

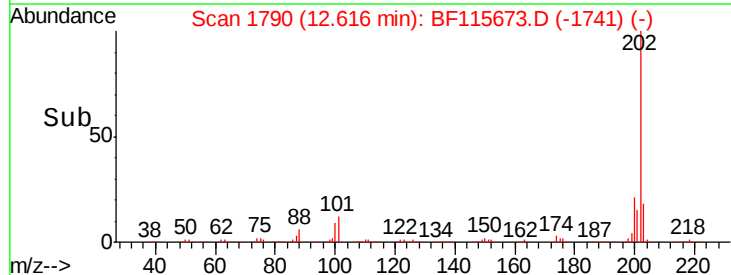
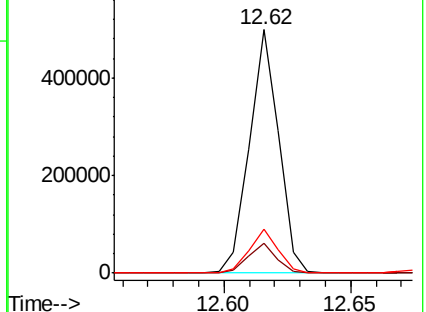
203 17.9 0.0 38.1

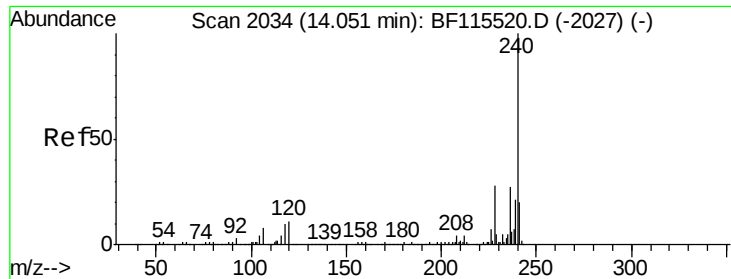


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

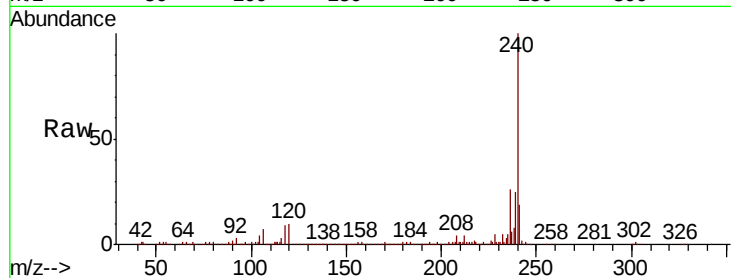




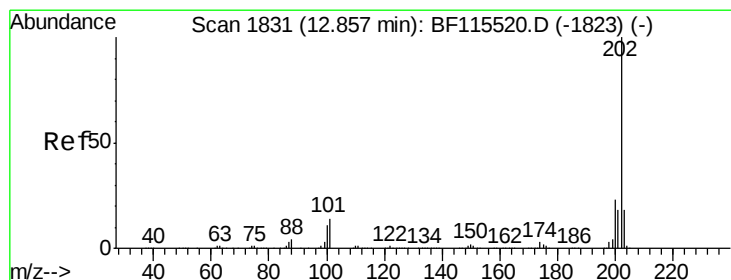
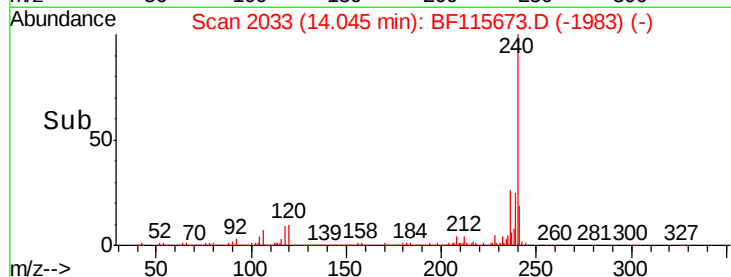
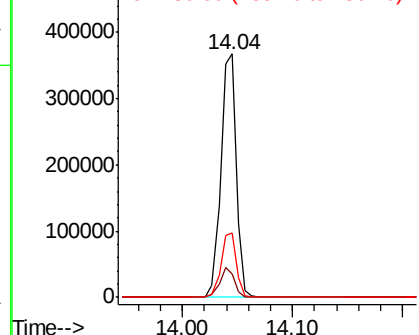
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 356431
Ion Ratio Lower Upper
240 100
120 9.6 8.6 13.0
236 26.4 21.3 31.9

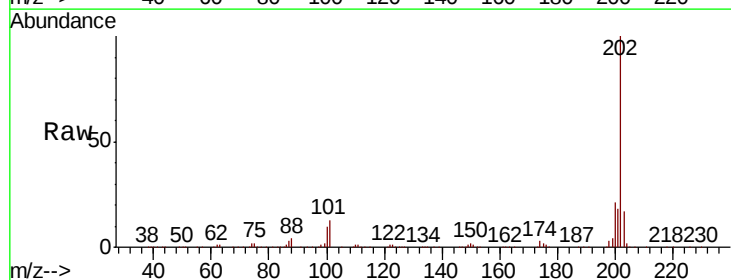


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

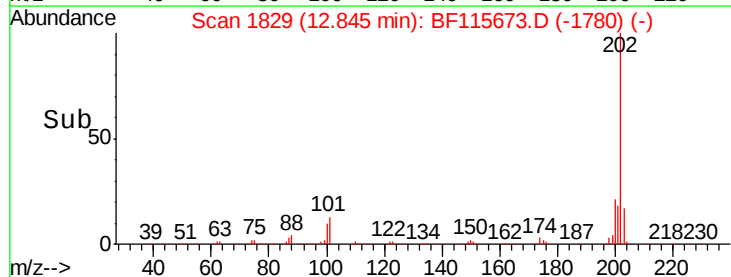
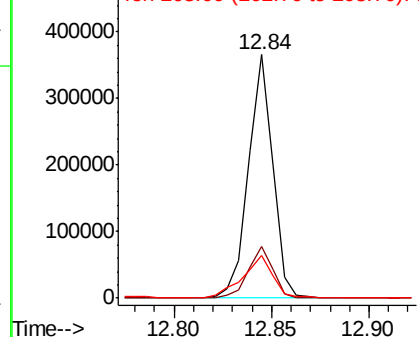


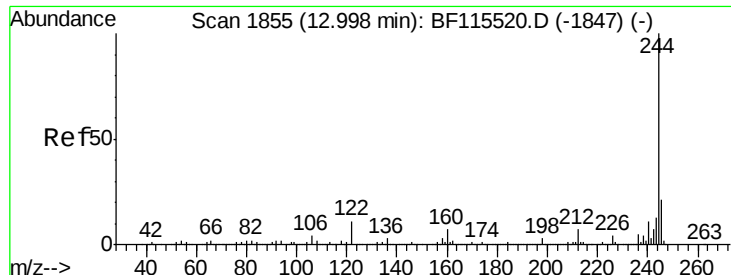
#78
Pyrene
Concen: 10.538 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion:202 Resp: 318241
Ion Ratio Lower Upper
202 100
200 21.0 18.7 28.1
203 17.3 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: 24.967 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

Instrument :

BNA_F

ClientSampleId :

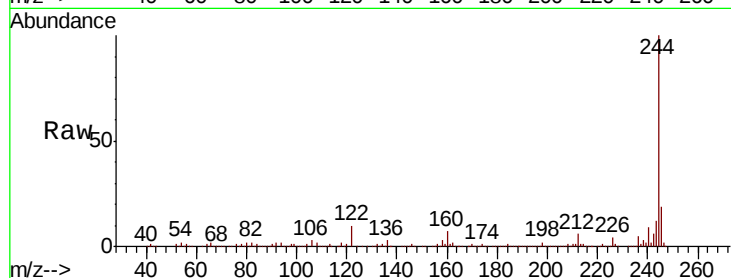
Tot Ion:244 Resp: 482289

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

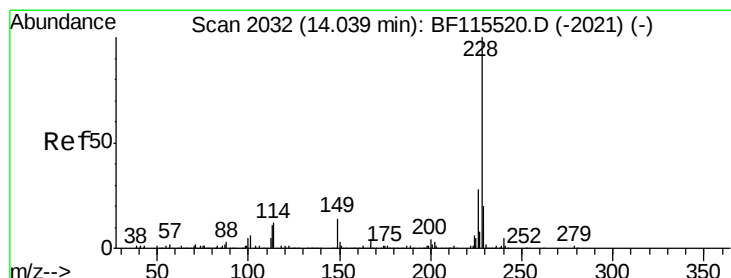
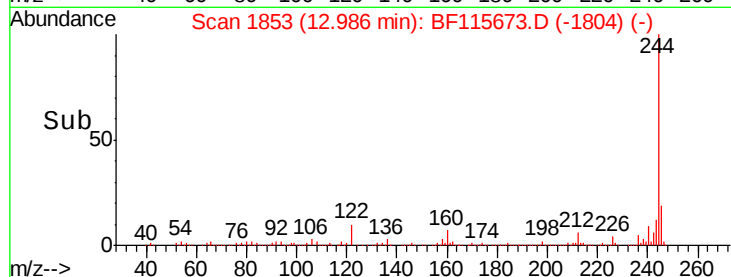
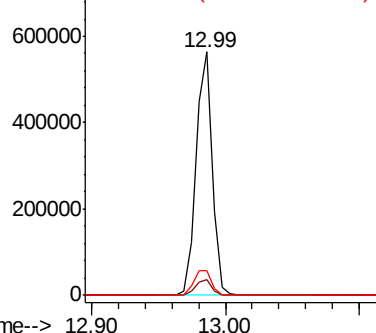
122 10.3 8.6 12.8



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: 5.926 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

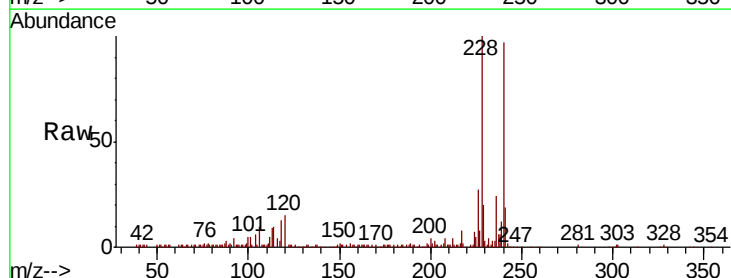
Tgt Ion:228 Resp: 139151

Ion Ratio Lower Upper

228 100

226 27.4 23.4 35.0

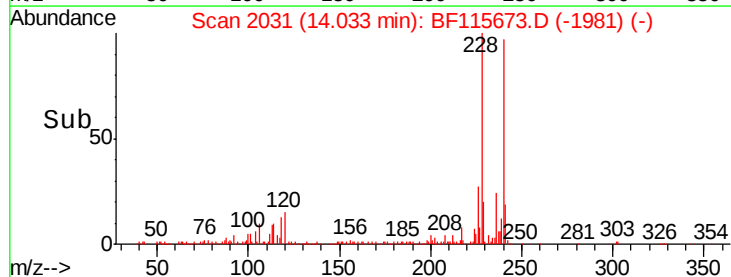
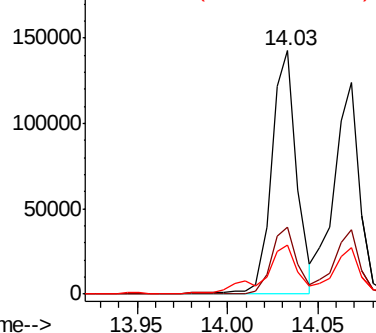
229 20.3 17.2 25.8

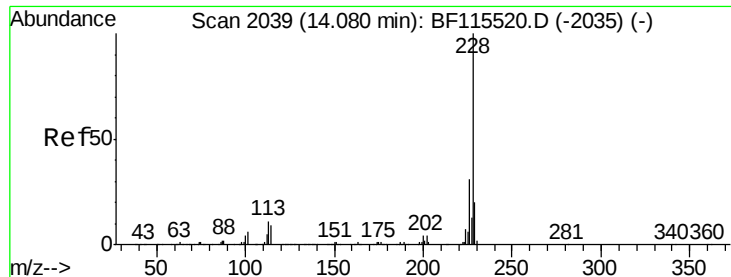


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.203 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

Instrument :

BNA_F

ClientSampleId :

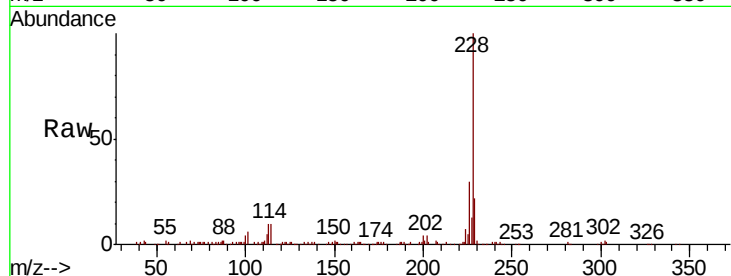
Tot Ion:228 Resp: 122647

Ion Ratio Lower Upper

228 100

226 30.2 25.7 38.5

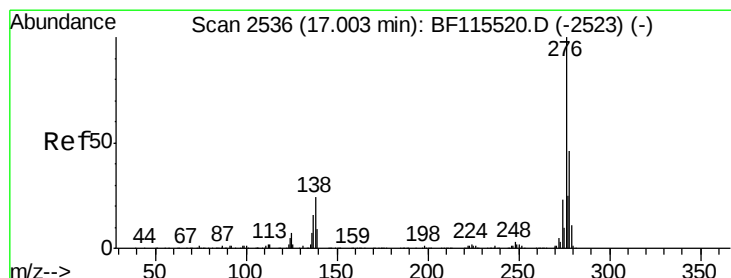
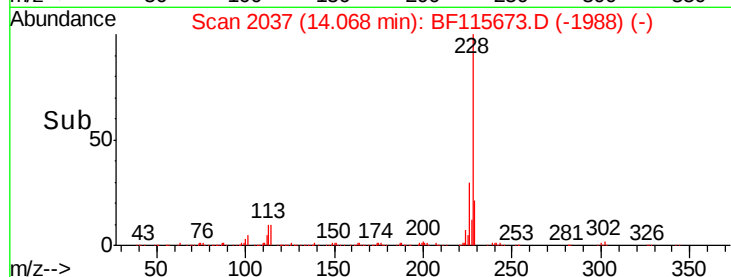
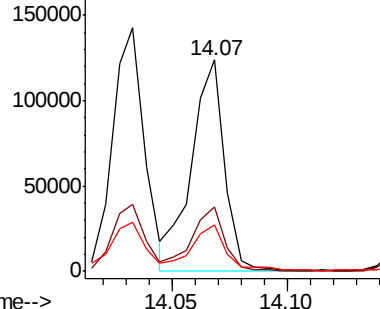
229 21.8 16.6 25.0



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.724 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF115673.D

Acq: 19 Jul 2019 13:27

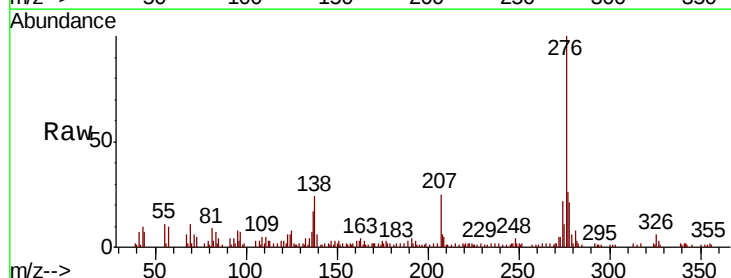
Tgt Ion:276 Resp: 54556

Ion Ratio Lower Upper

276 100

138 21.0 20.2 30.2

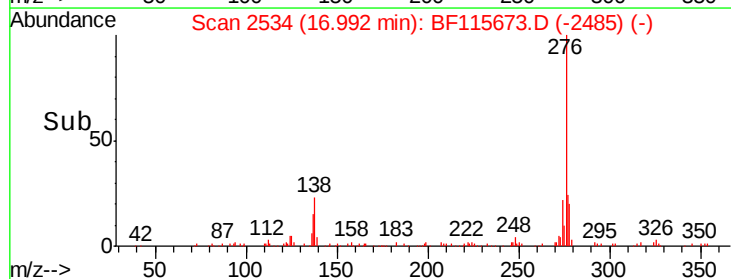
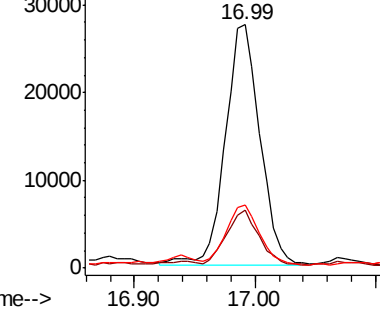
277 24.1 20.4 30.6

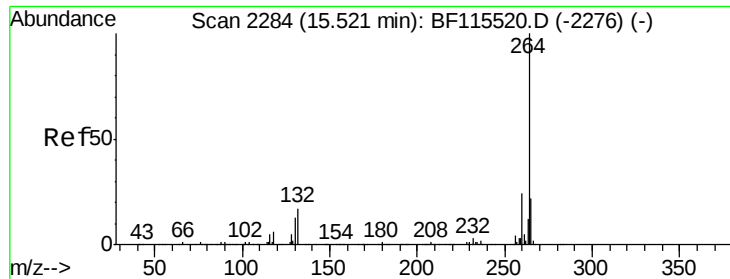


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

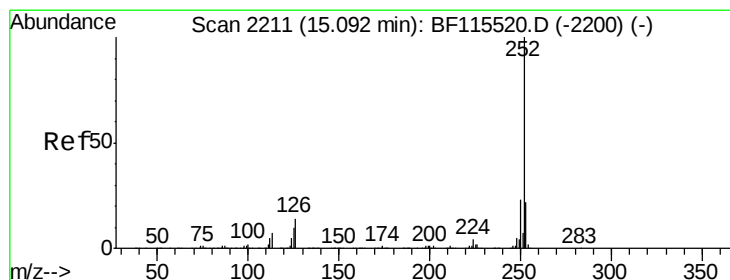
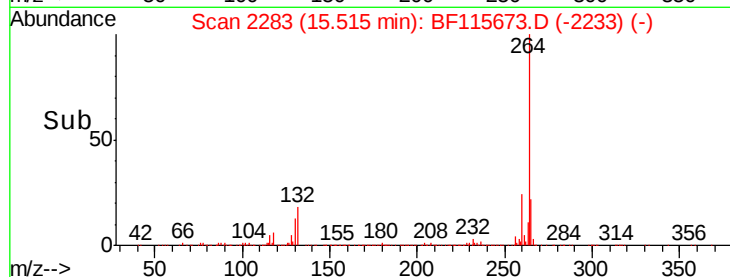
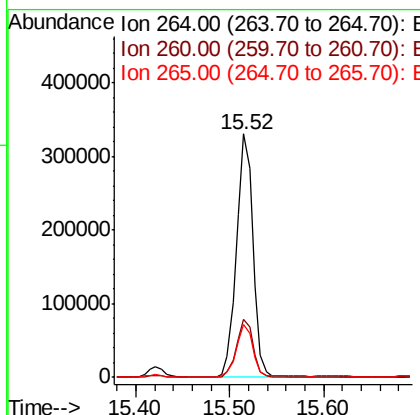
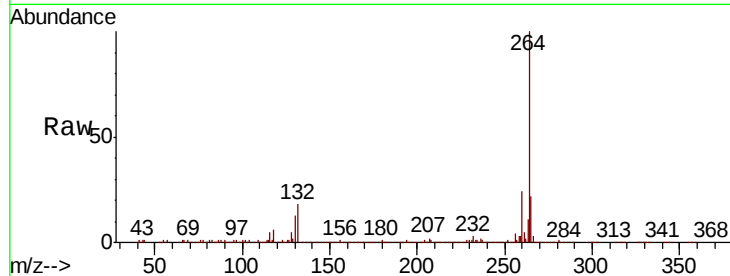




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

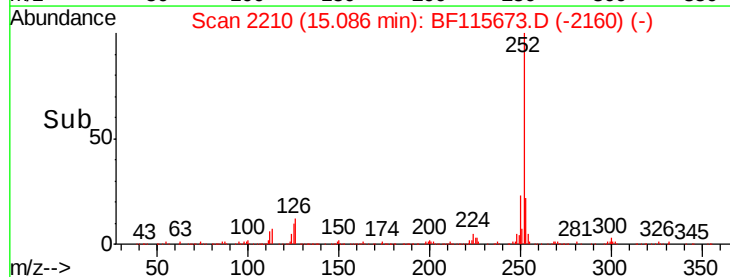
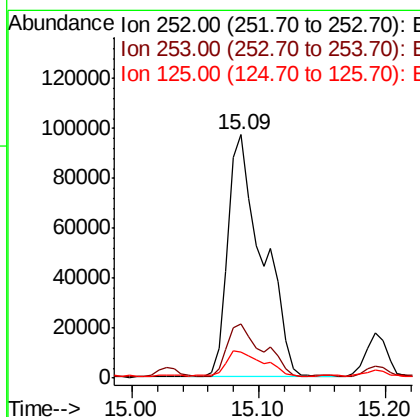
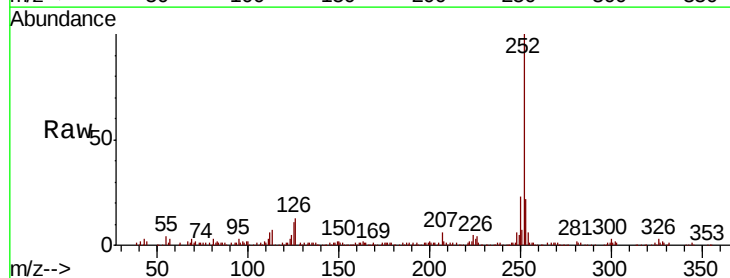
Instrument :
BNA_F
ClientSampleId :

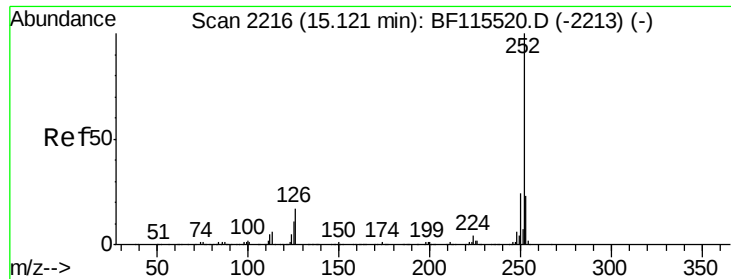
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.8
265	21.8	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 7.010 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.9	9.0	13.4

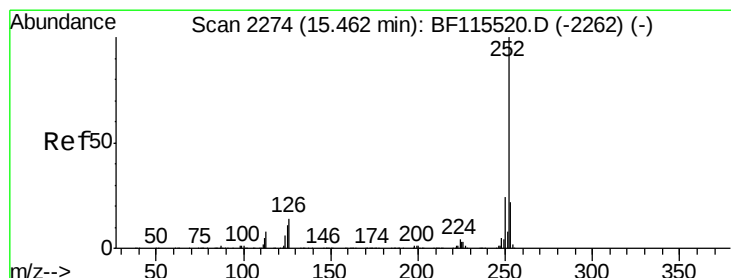
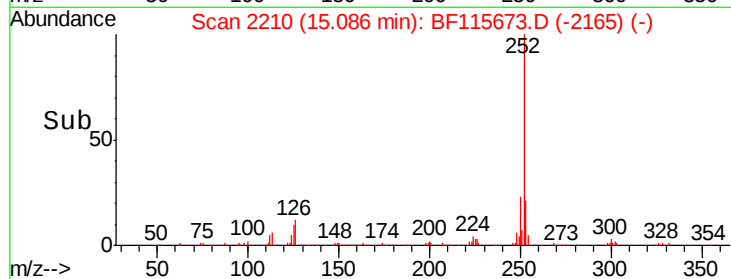
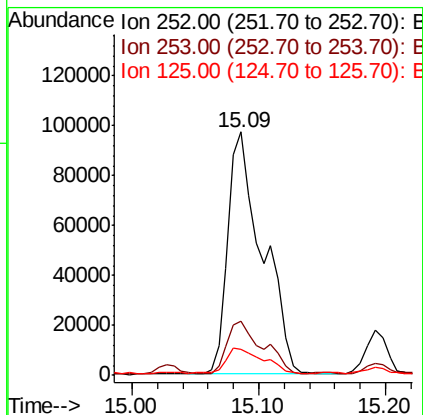
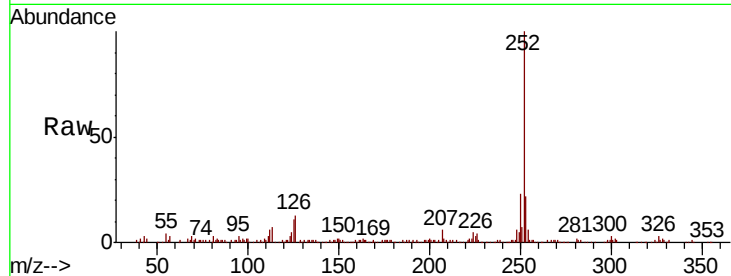




#89
Benzo(k)fluoranthene
Concen: 7.863 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.04 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

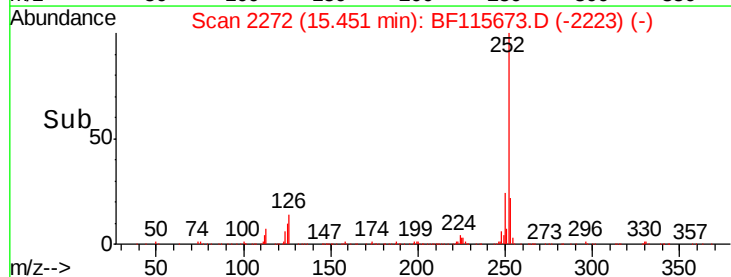
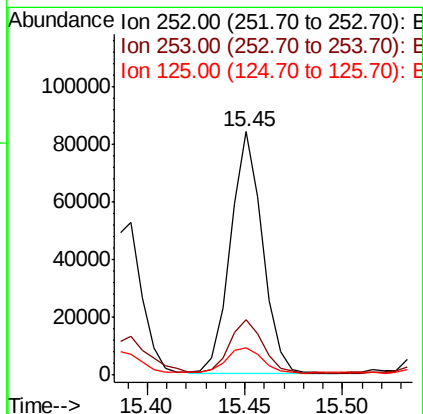
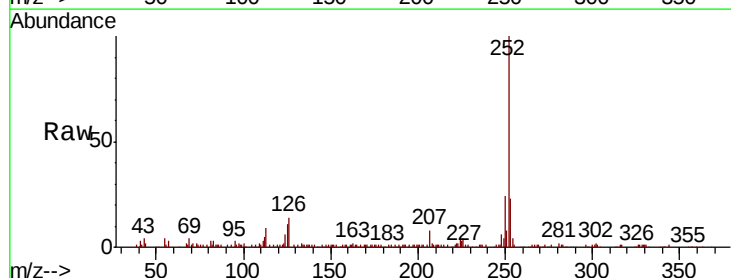
Instrument :
BNA_F
ClientSampleId :

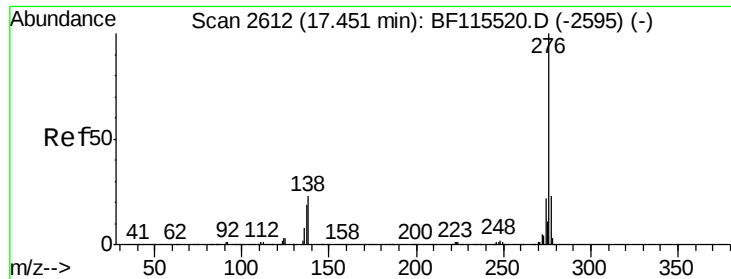
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.6	28.0
125	10.9	9.0	13.6



#90
Benzo(a)pyrene
Concen: 4.255 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115673.D
Acq: 19 Jul 2019 13:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	11.3	9.1	13.7





#92
 Benzo(a,h,i)perylene
 Concen: 2.523 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF115673.D
 Acq: 19 Jul 2019 13:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	21.0	17.2	25.8

