

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
 Data File : BF118940.D
 Acq On : 14 Feb 2020 19:15
 Operator : CG/JU
 Sample : L1528-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 03:38:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	256991	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	954825	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	491345	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	770431	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	387987	20.00	ng	-0.05
87) Perylene-d12	15.36	264	449056	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1512529	111.41	ng	-0.03
7) Phenol-d6	6.42	99	1855194	110.08	ng	-0.04
23) Nitrobenzene-d5	7.34	82	1202184	75.05	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	513023	87.26	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	2105715	76.61	ng	-0.05
79) Terphenyl-d14	12.87	244	1309996	69.35	ng	-0.05

Target Compounds

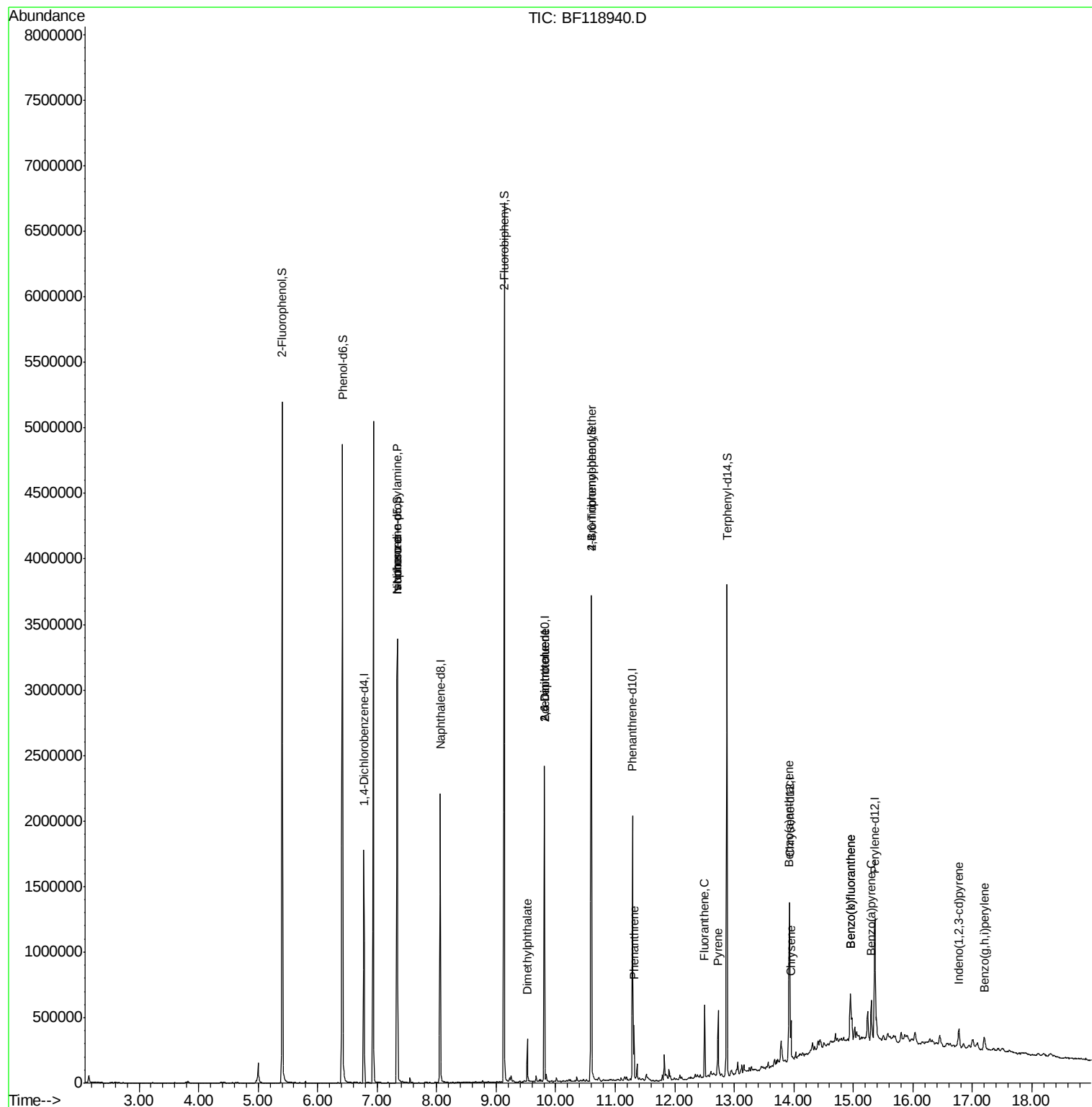
						Qvalue
9) Benzaldehyde	6.35	77	627	Below Cal	#	43
19) n-Nitroso-di-n-propylamine	7.34	70	163088	15.816 ng	#	75
25) Isophorone	7.34	82	1198596	41.632 ng	#	63
50) Dimethylphthalate	9.52	163	120000	3.587 ng		99
51) 2,6-Dinitrotoluene	9.81	165	64244	8.392 ng	#	31
57) 2,4-Dinitrotoluene	9.81	165	64244	6.342 ng	#	34
67) 4-Bromophenyl-phenylether	10.60	248	32886	3.608 ng	#	1
71) Phenanthrene	11.32	178	160065	4.223 ng		96
75) Fluoranthene	12.50	202	227494	5.497 ng		99
78) Pyrene	12.73	202	201292	7.563 ng		97
81) Benzo(a)anthracene	13.92	228	141038	6.109 ng		99
83) Chrysene	13.95	228	113441	4.896 ng		97
86) Indeno(1,2,3-cd)pyrene	16.77	276	88941	3.820 ng		97
88) Benzo(b)fluoranthene	14.95	252	265865	9.541 ng		99
89) Benzo(k)fluoranthene	14.95	252	265865	10.957 ng	#	98
90) Benzo(a)pyrene	15.30	252	137025	5.746 ng		97
92) Benzo(a,h,i)perylene	17.20	276	85492	4.199 ng		96

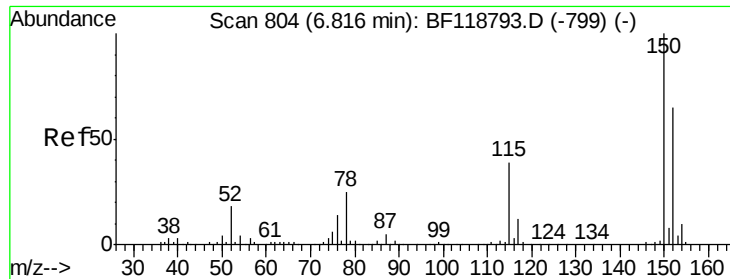
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 15 03:38:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 14 00:49:42 2020
Response via : Initial Calibration



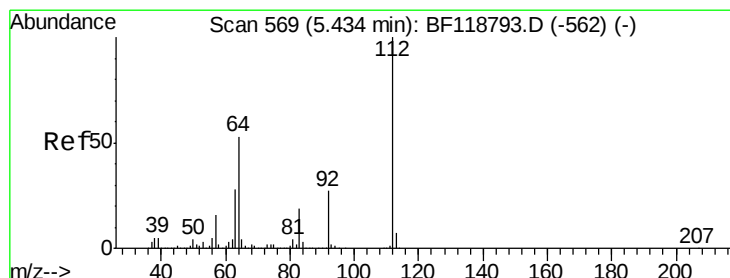
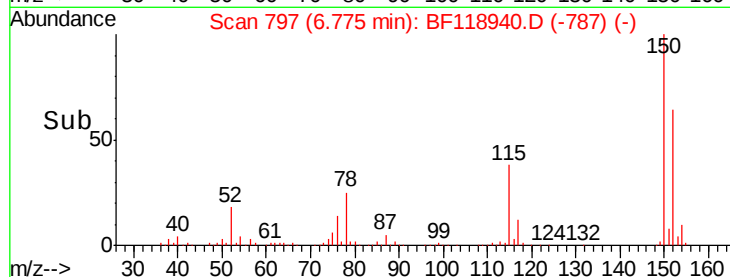
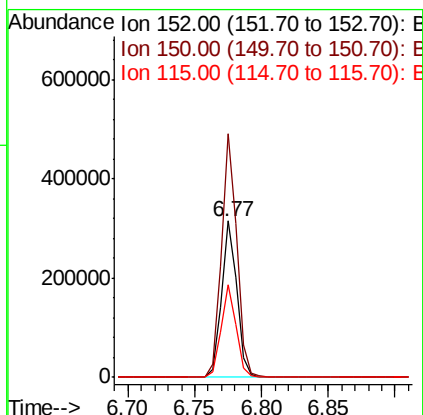
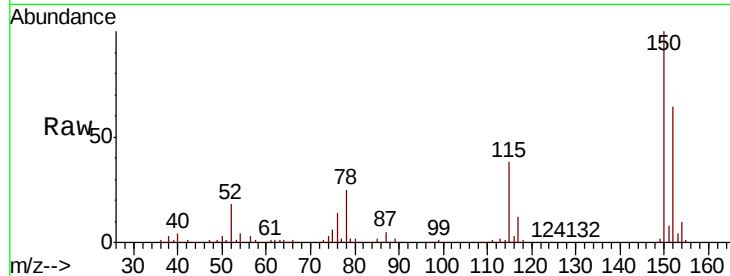


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.04 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :

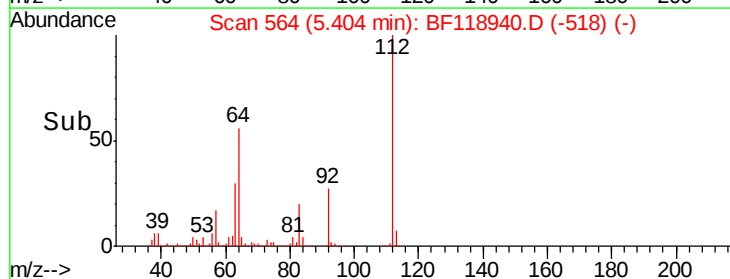
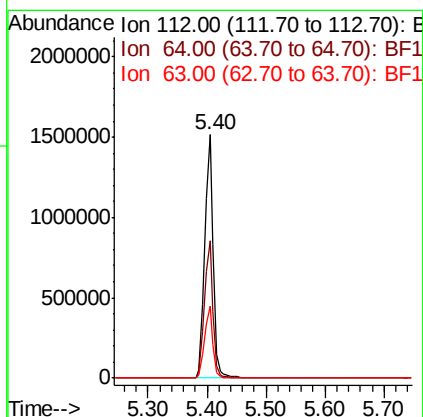
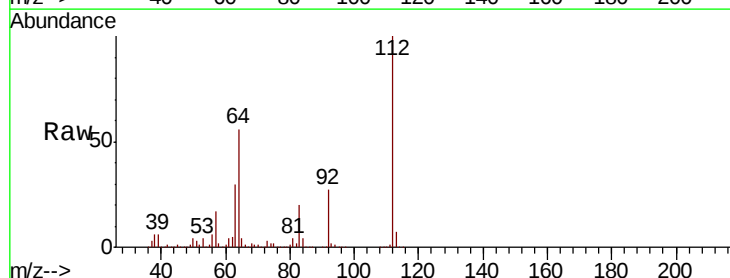
Tot Ion:152 Resp: 256991
Ion Ratio Lower Upper
152 100
150 155.5 123.6 185.4
115 59.0 48.2 72.2

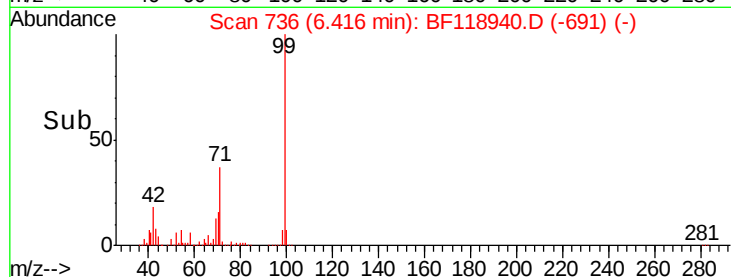
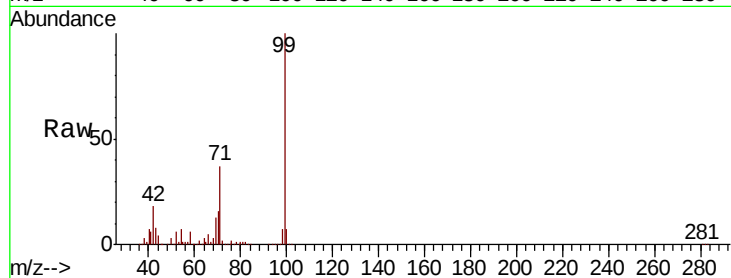
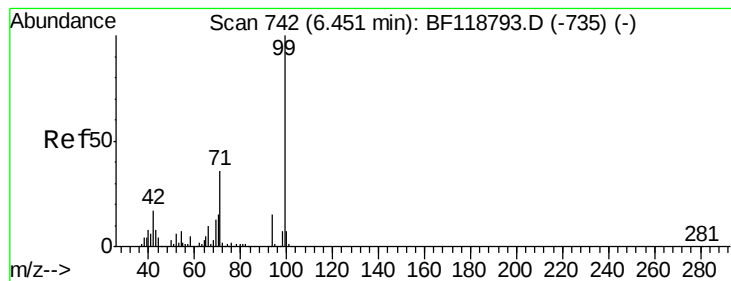


#5

2-Fluorophenol
Concen: 111.409 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion:112 Resp: 1512529
Ion Ratio Lower Upper
112 100
64 56.5 42.6 63.8
63 29.8 22.2 33.4





#7

Phenol-d6

Concen: 110.080 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

ClientSampleId :

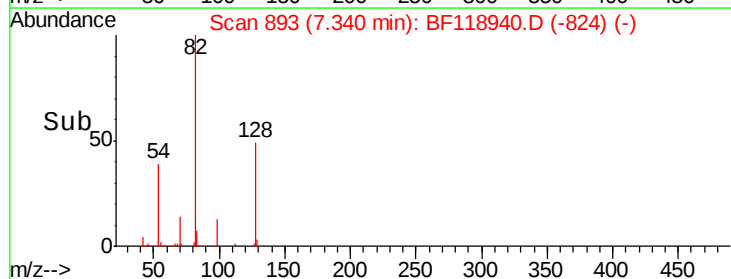
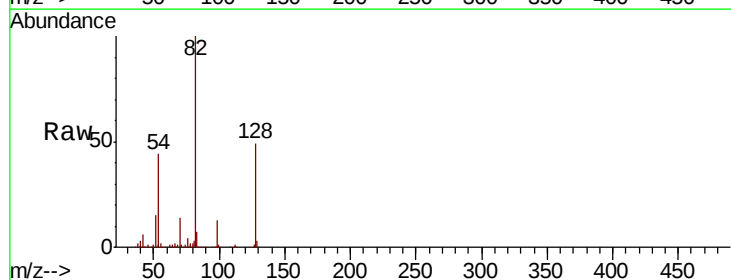
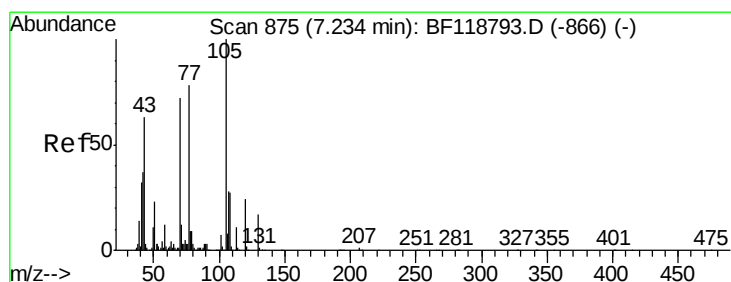
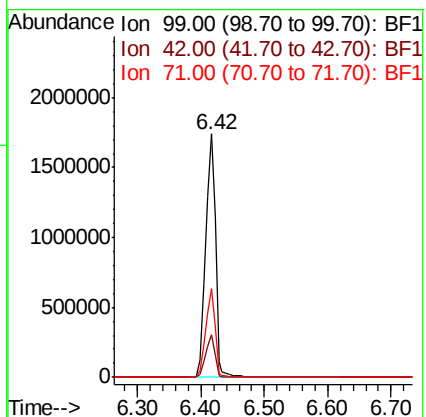
Tot Ion: 99 Resp: 1855194

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.0

71 36.6 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 15.816 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.11 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Tgt Ion: 70 Resp: 163088

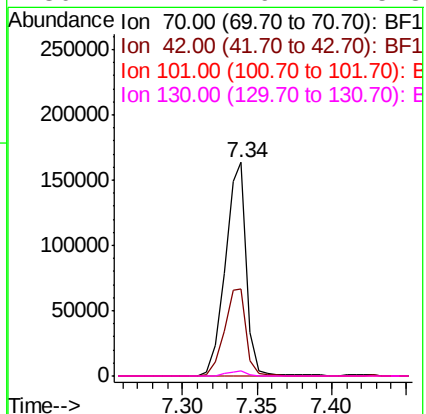
Ion Ratio Lower Upper

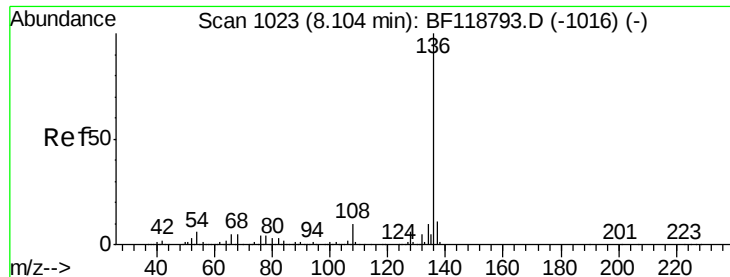
70 100

42 40.8 41.5 62.3#

101 0.0 8.3 12.5#

130 2.2 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 954825

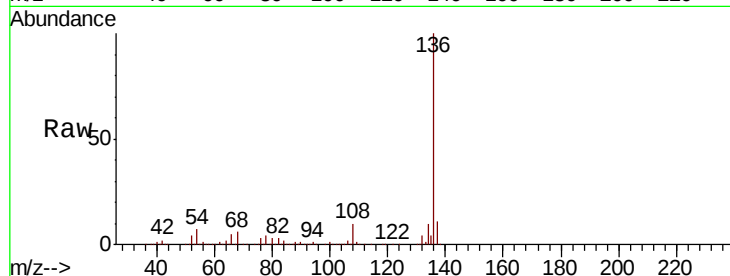
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 6.7 5.0 7.6

68 6.1 4.2 6.4

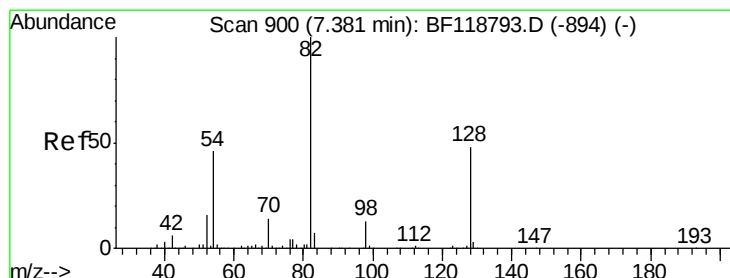
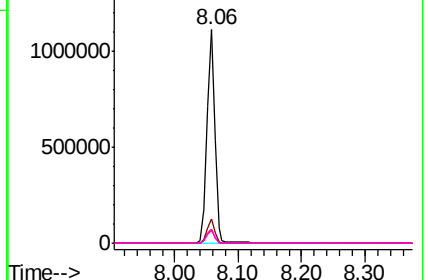
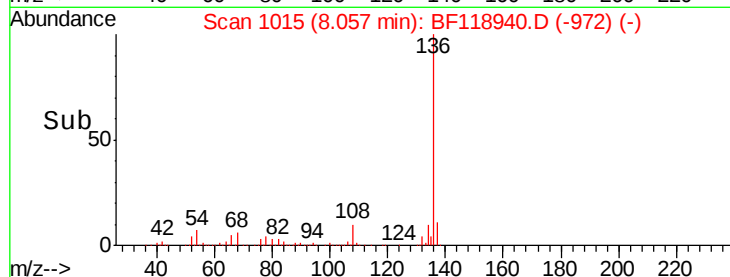


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.046 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.04 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

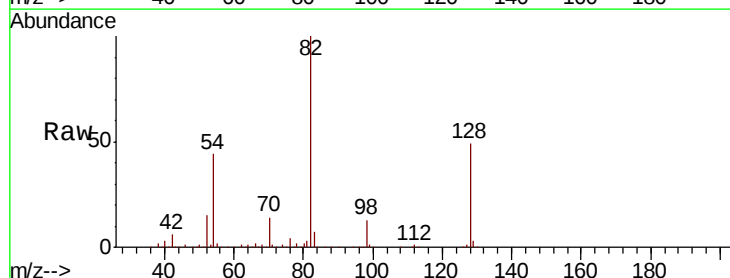
Tgt Ion: 82 Resp: 1202184

Ion Ratio Lower Upper

82 100

128 48.7 38.5 57.7

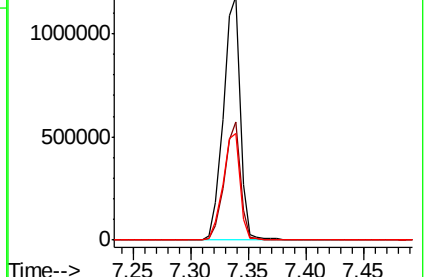
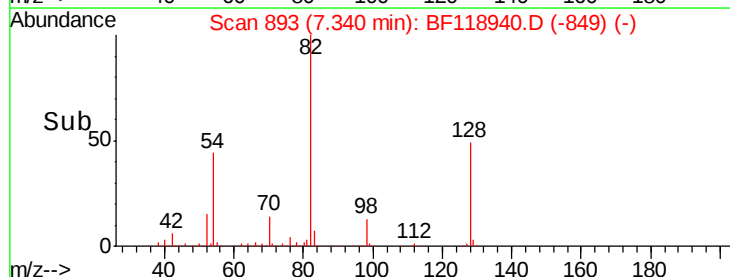
54 43.6 36.7 55.1

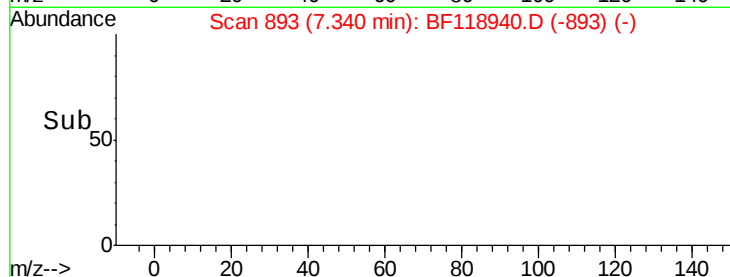
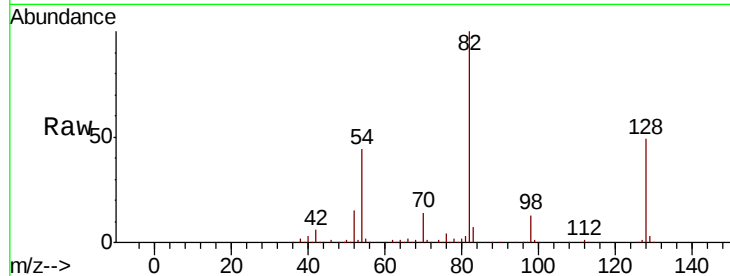
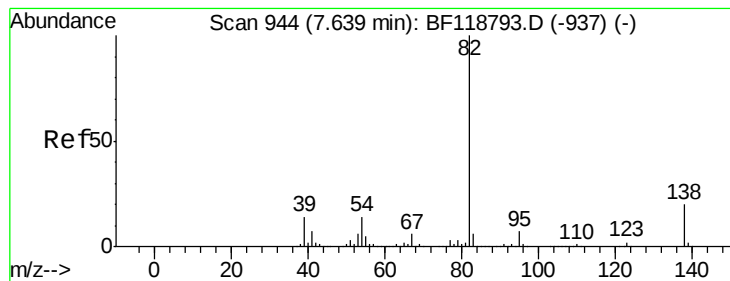


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 41.632 ng

RT: 7.34 min Scan# 893

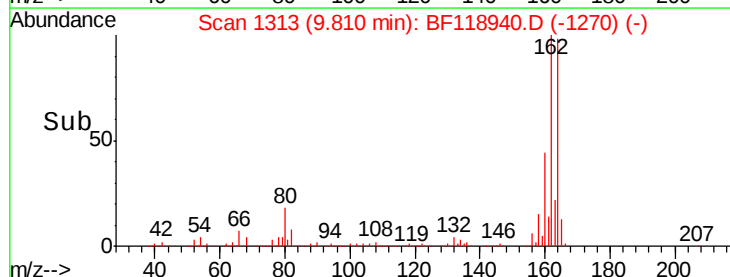
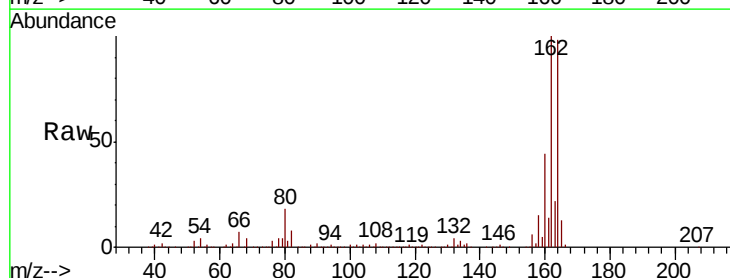
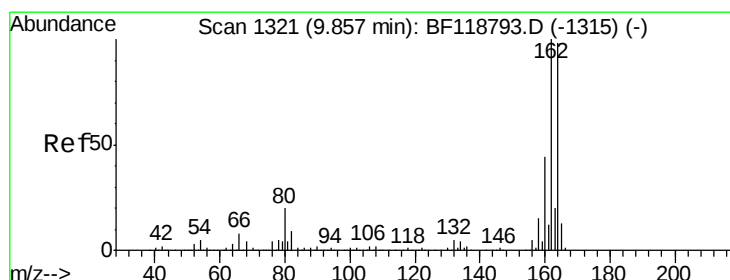
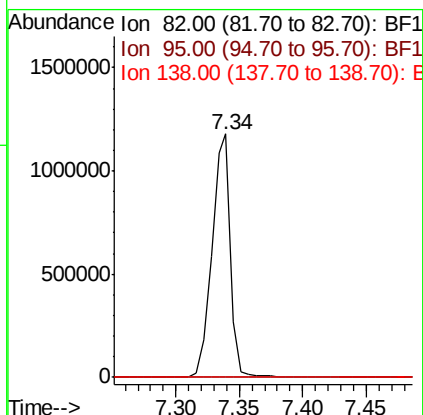
Delta R.T. -0.30 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Tot Ion: 82 Resp: 1198596

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.0	9.0#
138	0.0	15.7	23.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

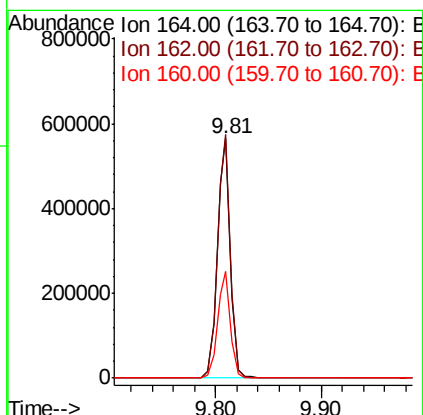
Delta R.T. -0.05 min

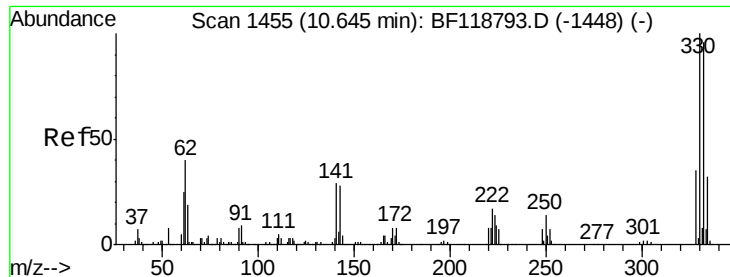
Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Tgt Ion: 164 Resp: 491345

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.4	122.2
160	44.7	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 87.262 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

ClientSampleId :

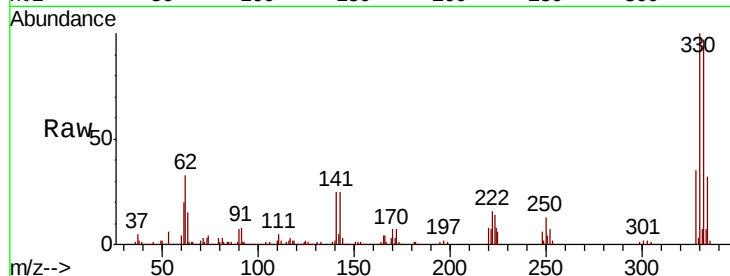
Tot Ion:330 Resp: 513023

Ion Ratio Lower Upper

330 100

332 96.7 77.3 115.9

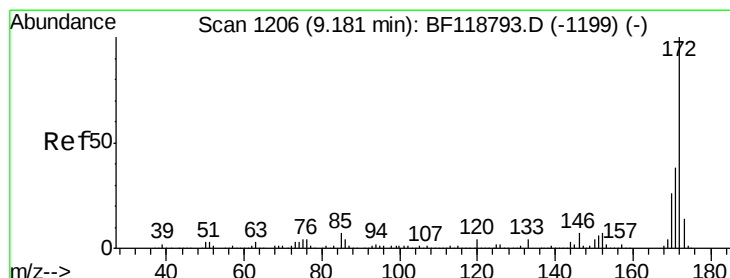
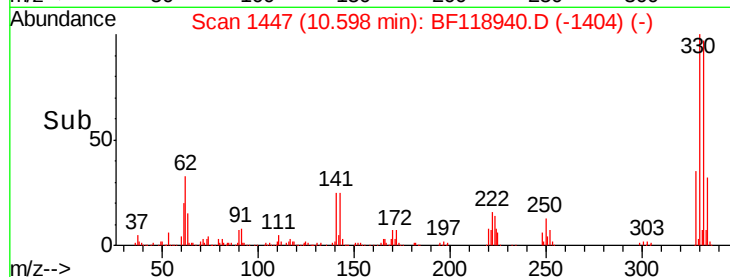
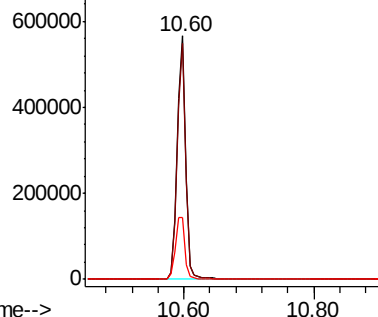
141 28.6 22.4 33.6



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: 76.614 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

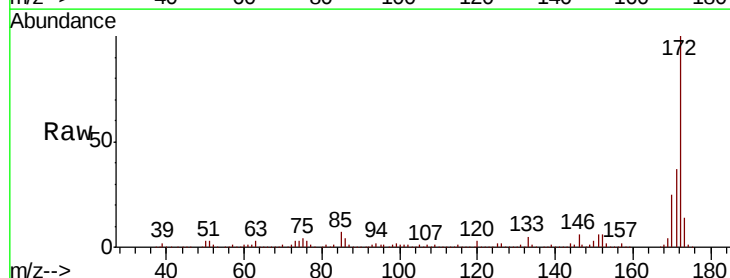
Tgt Ion:172 Resp: 2105715

Ion Ratio Lower Upper

172 100

171 37.1 30.8 46.2

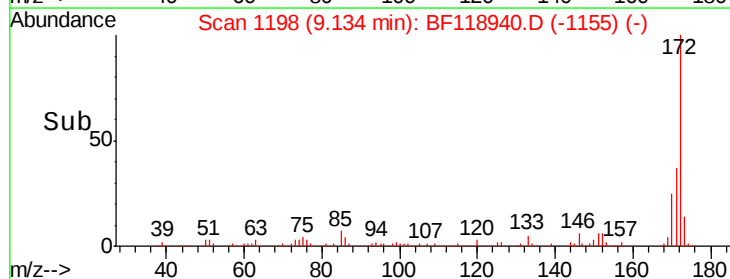
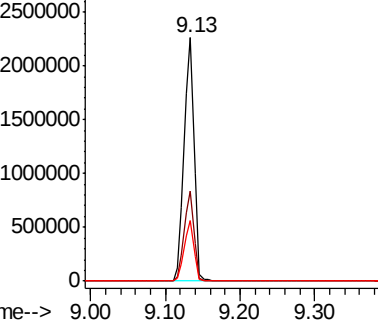
170 25.0 20.5 30.7

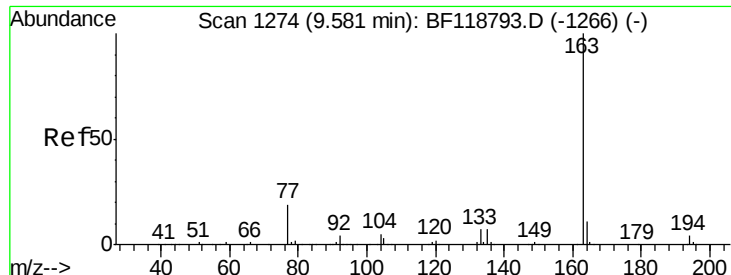


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

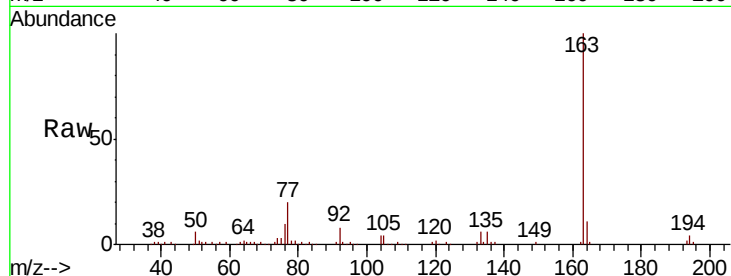




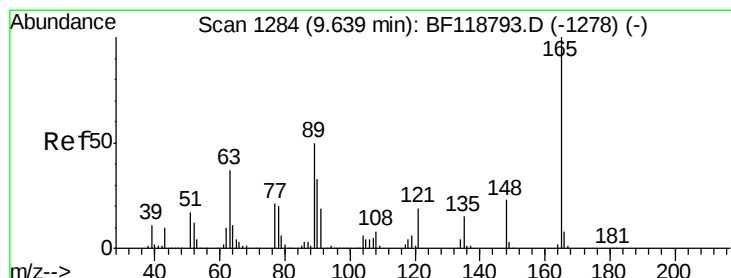
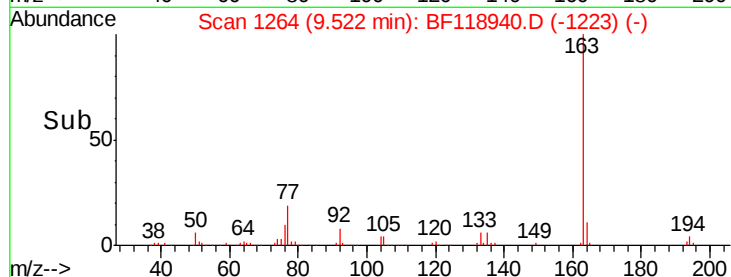
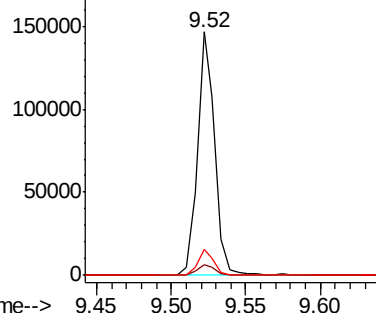
#50
Dimethylphthalate
Concen: 3.587 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	10.5	8.7	13.1

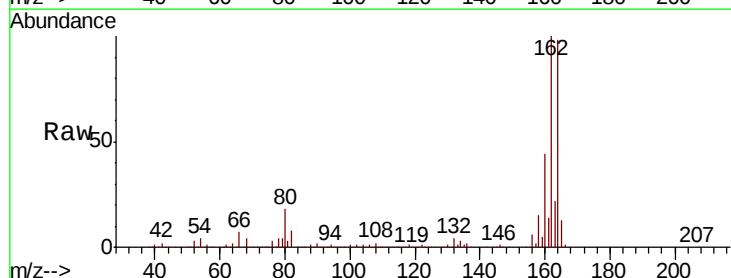


Abundance Ion 163.00 (162.70 to 163.70): E
200000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

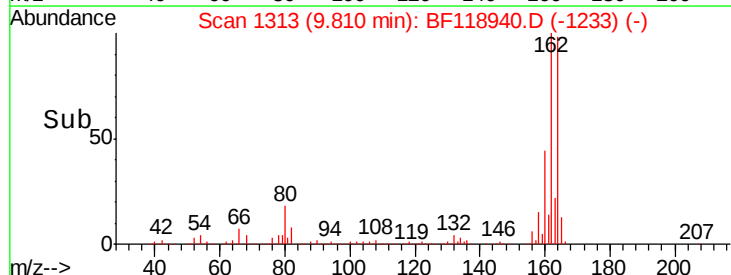
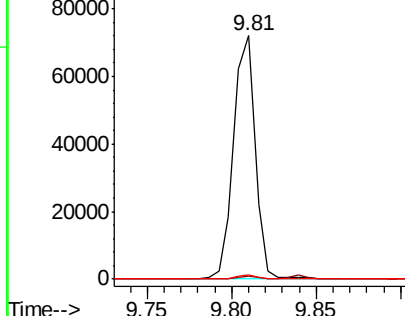


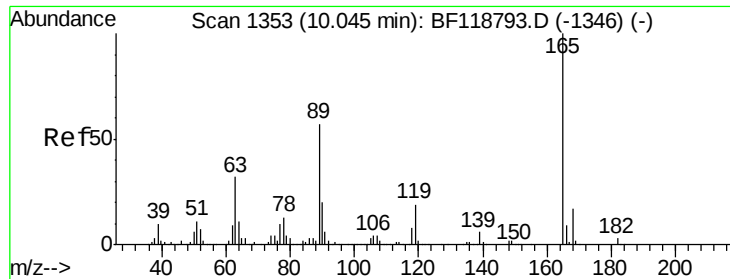
#51
2,6-Dinitrotoluene
Concen: 8.392 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.17 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.4	56.0#
89	1.5	39.7	59.5#



Abundance Ion 165.00 (164.70 to 165.70): E
100000
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

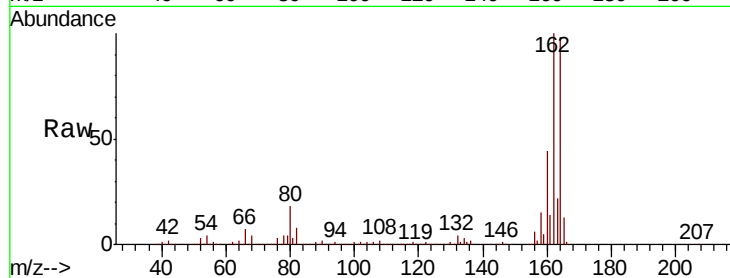




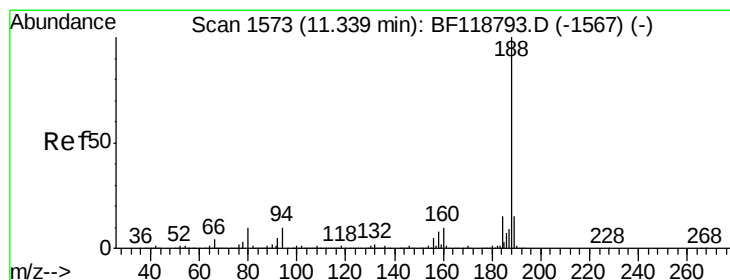
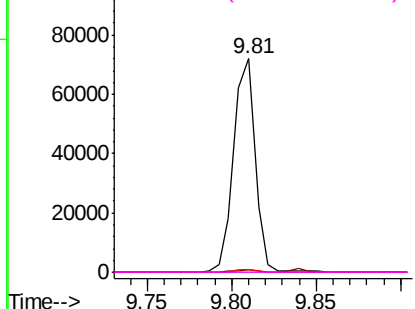
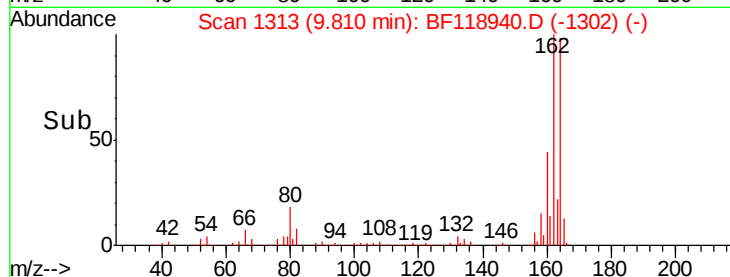
#57
 2,4-Dinitrotoluene
 Concen: 6.342 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.24 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.5	38.3#
89	1.5	45.4	68.0#
182	0.0	2.4	3.6#

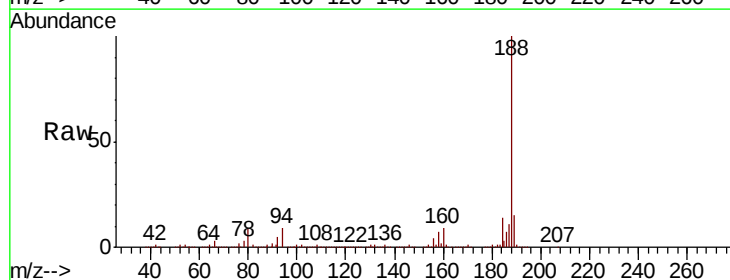


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

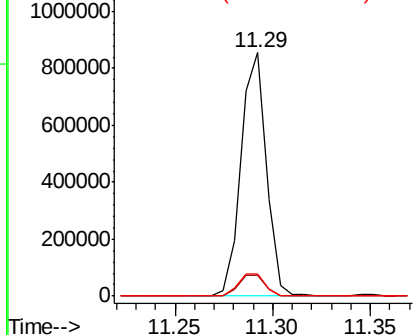
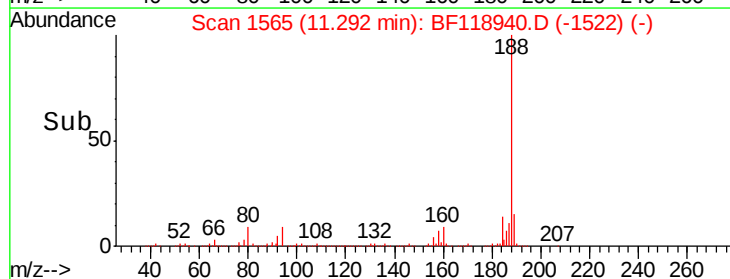


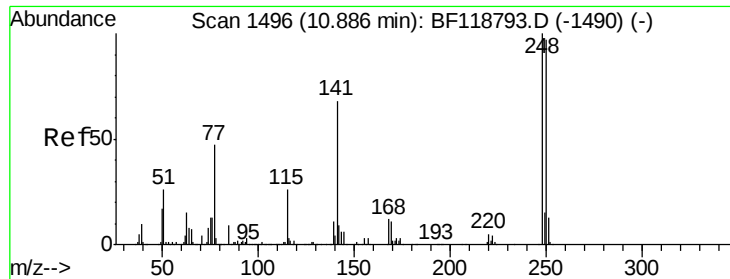
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.9	11.9
80	9.3	8.4	12.6



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

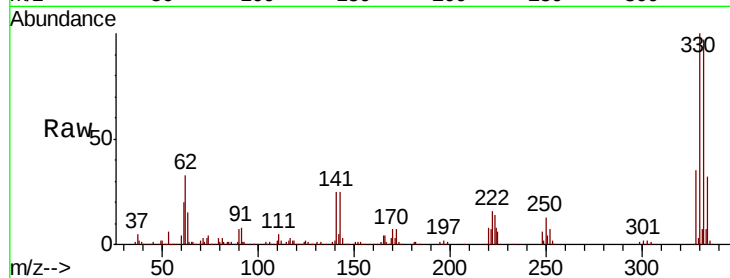




#67
 4-Bromophenyl-phenylether
 Concen: 3.608 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.29 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	204.0	77.6	116.4#
141	399.3	54.4	81.6#

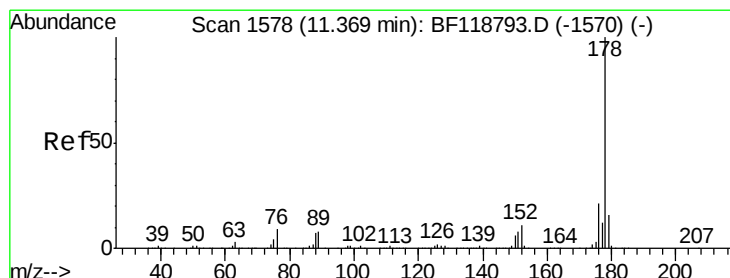
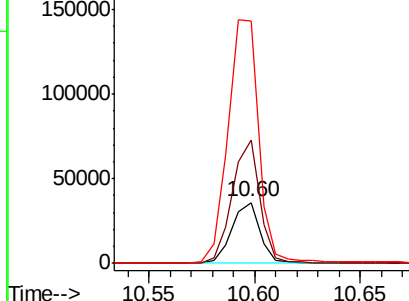
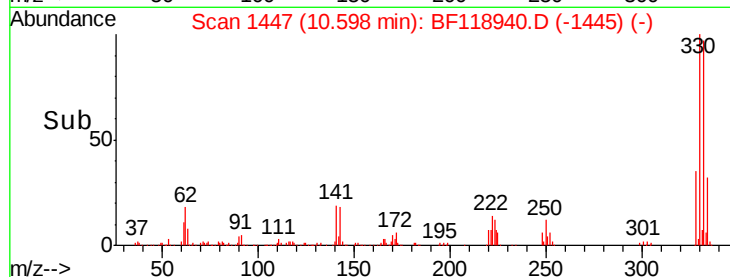


Abundance

Ion 248.00 (247.70 to 248.70): E

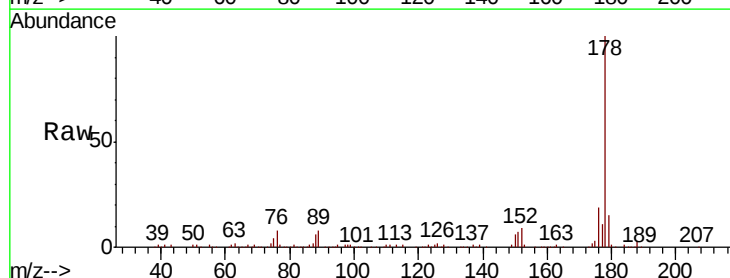
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71
 Phenanthrene
 Concen: 4.223 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.05 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	24.8
179	15.4	13.2	19.8

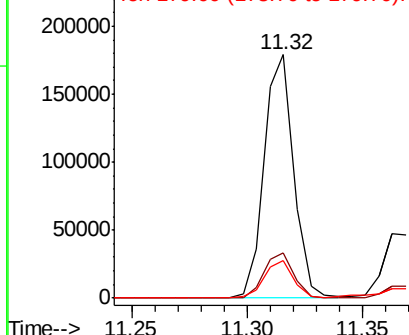
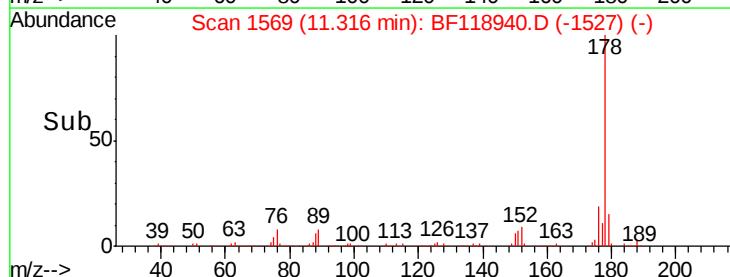


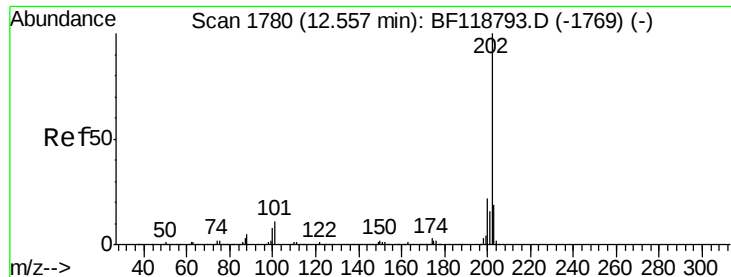
Abundance

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: 5.497 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.06 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

Instrument :

BNA_F

ClientSampleId :

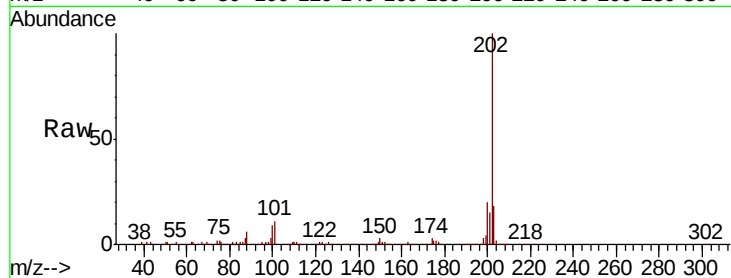
Tot Ion:202 Resp: 227494

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

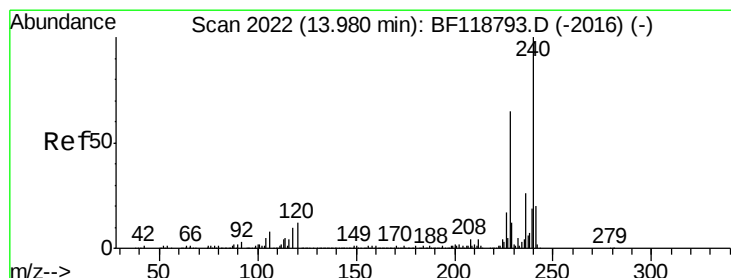
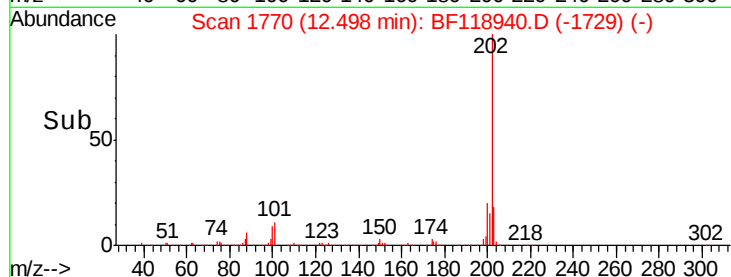
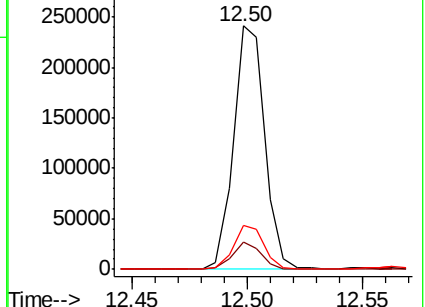
203 18.0 0.0 38.7



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: 13.93 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF118940.D

Acq: 14 Feb 2020 19:15

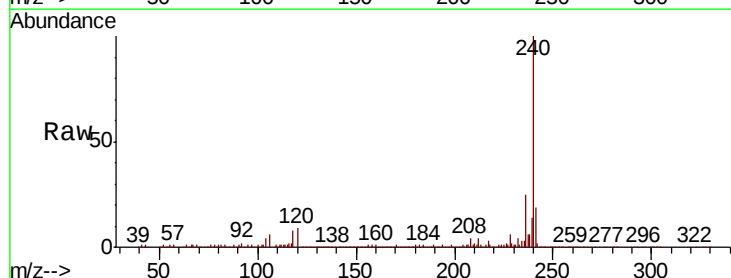
Tgt Ion:240 Resp: 387987

Ion Ratio Lower Upper

240 100

120 9.1 9.4 14.0#

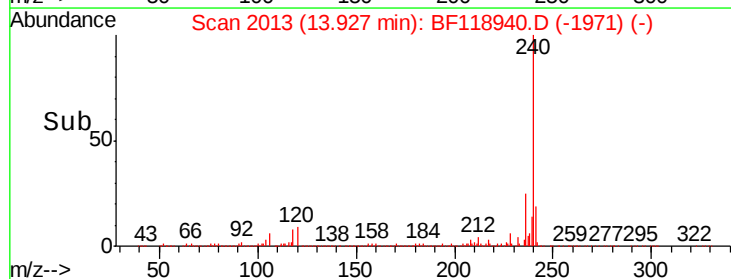
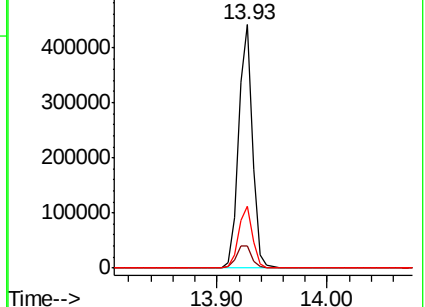
236 25.2 21.0 31.6

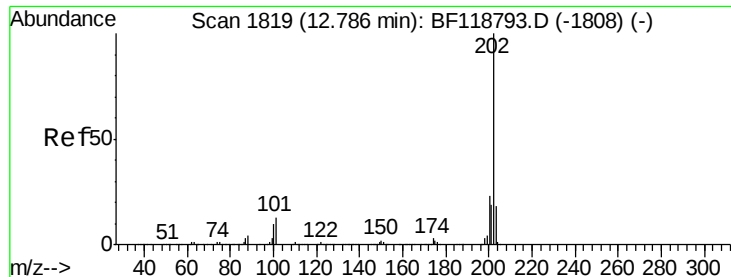


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

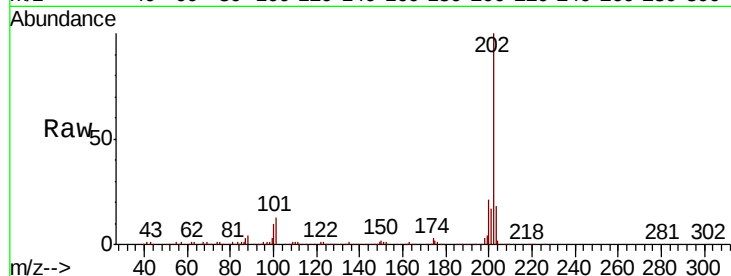




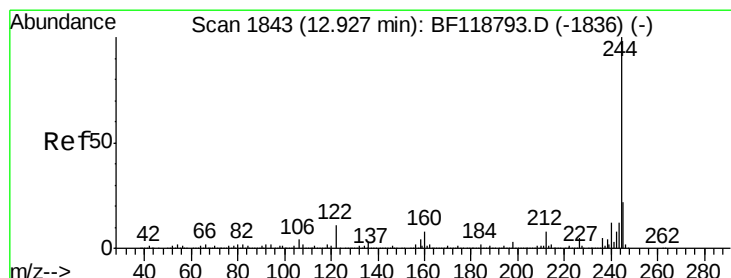
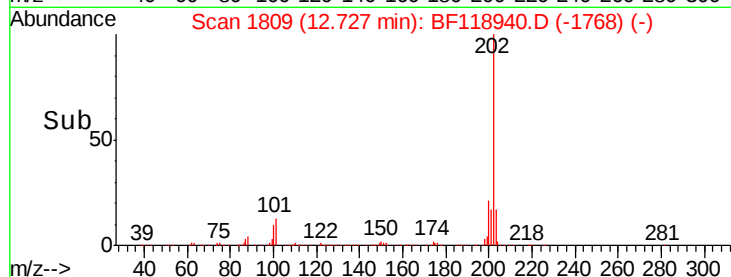
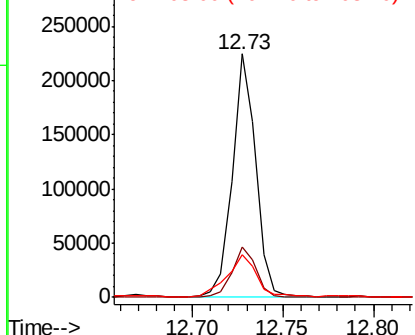
#78
Pvrene
Concen: 7.563 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	18.2	27.2
203	17.6	14.8	22.2

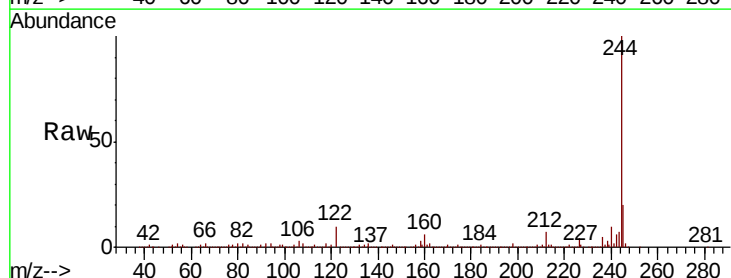


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

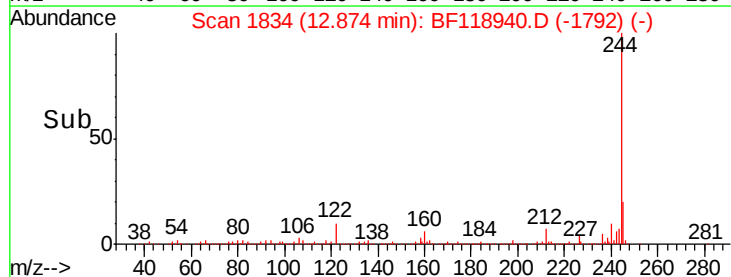
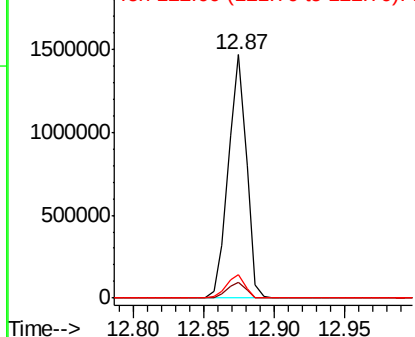


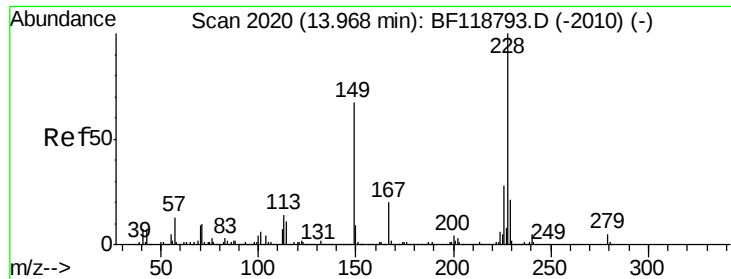
#79
Terphenyl-d14
Concen: 69.353 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.05 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.5	9.7
122	9.8	8.9	13.3



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

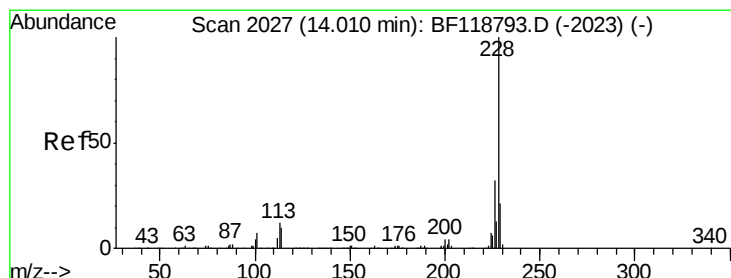
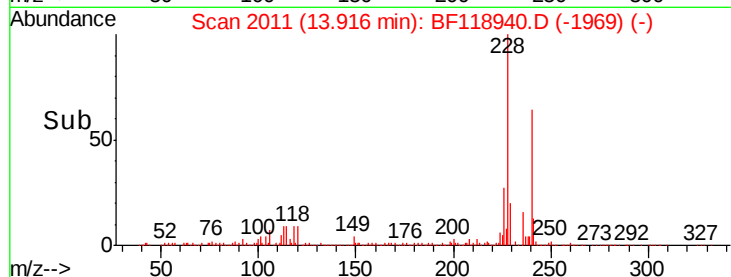
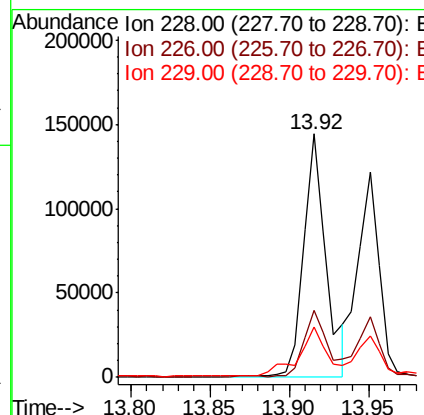
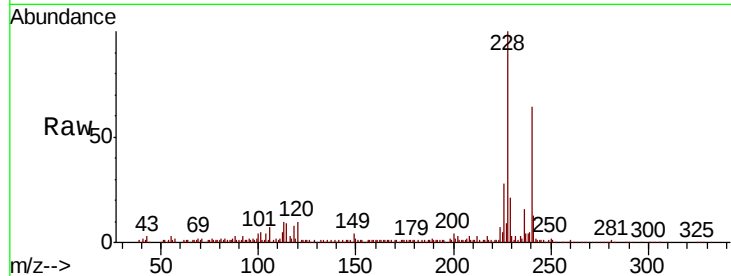




#81
Benzo(a)anthracene
Concen: 6.109 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

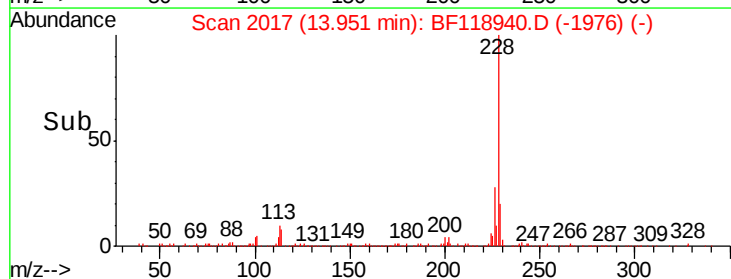
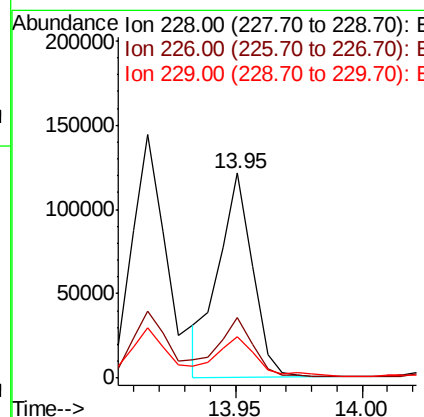
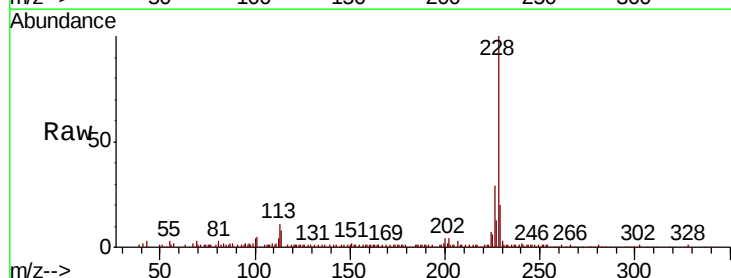
Instrument :
BNA_F
ClientSampleId :

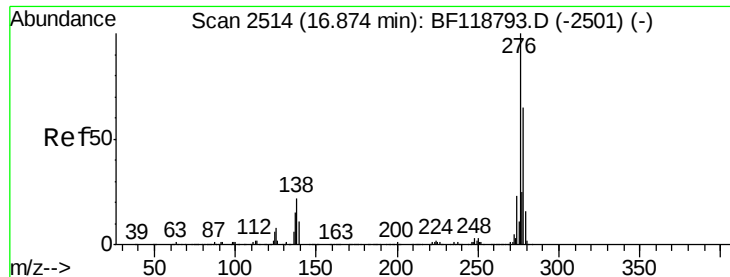
Tot Ion:228 Resp: 141038
Ion Ratio Lower Upper
228 100
226 27.8 22.7 34.1
229 20.6 16.6 25.0



#83
Chrysene
Concen: 4.896 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion:228 Resp: 113441
Ion Ratio Lower Upper
228 100
226 29.4 25.4 38.0
229 20.3 16.9 25.3

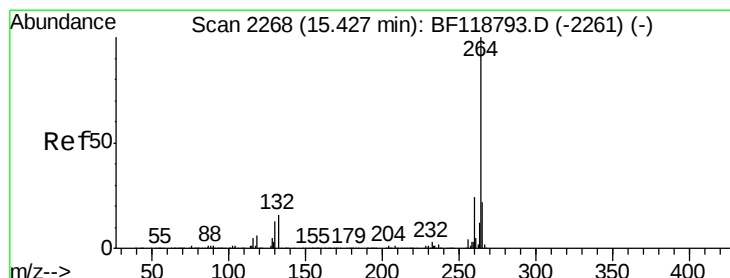
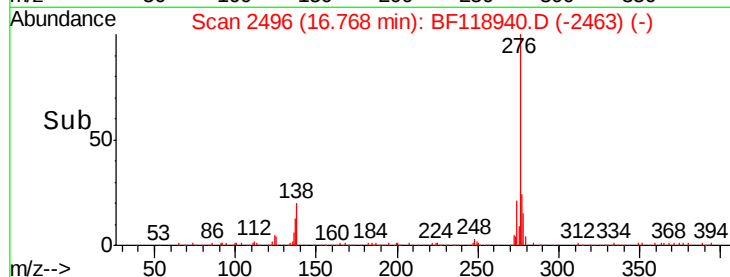
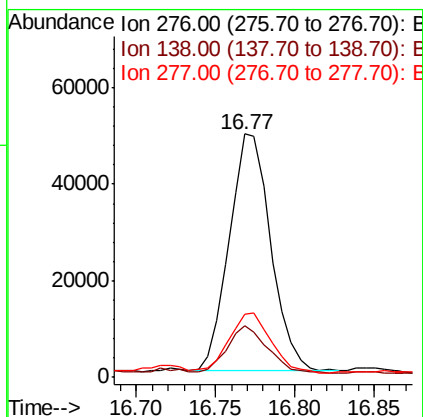
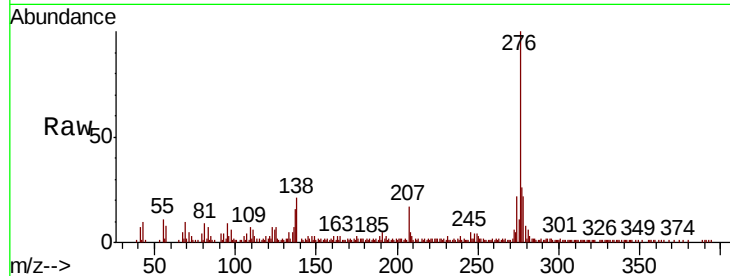




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.820 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. -0.11 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

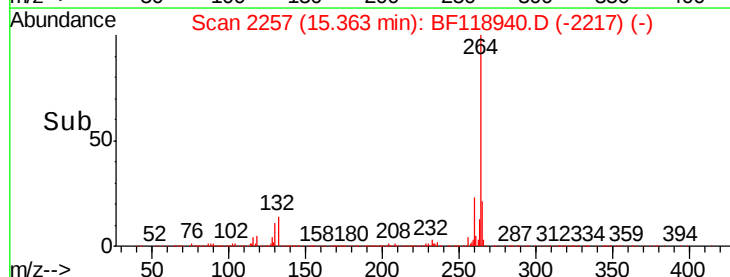
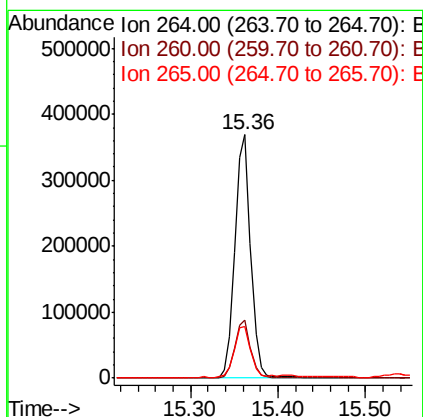
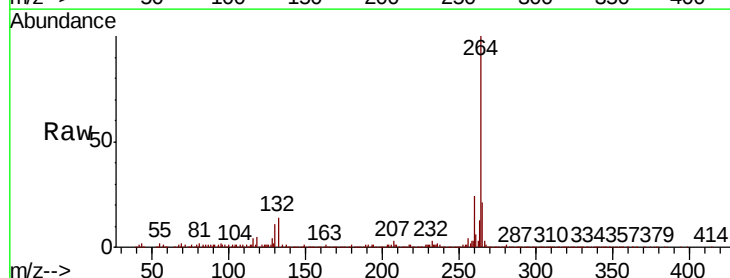
Instrument :
 BNA_F
 ClientSampleId :

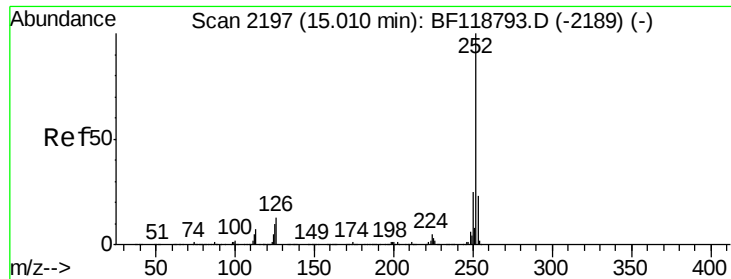
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.3	27.5
277	26.0	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. -0.06 min
 Lab File: BF118940.D
 Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.3	17.2	25.8

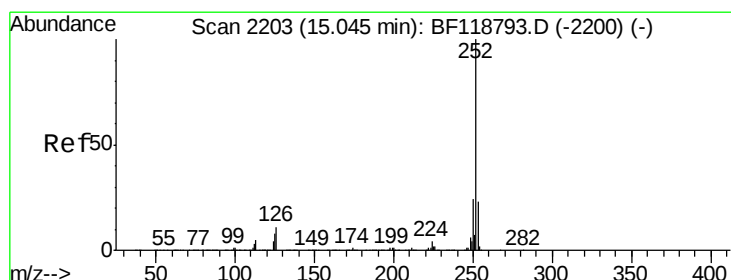
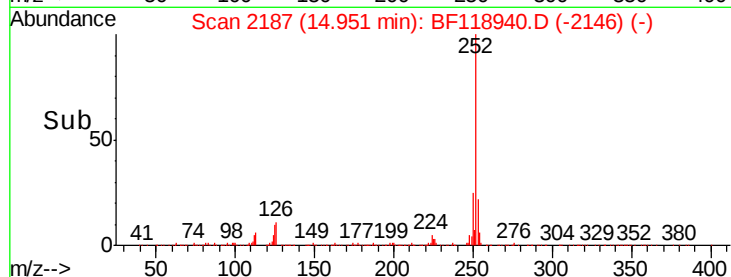
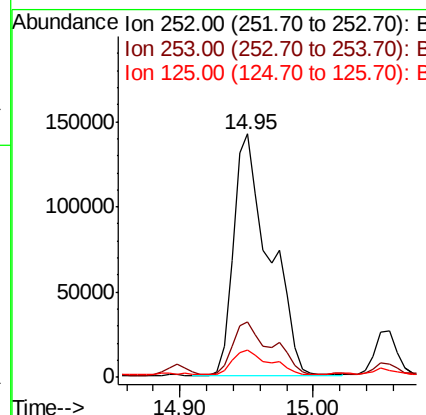
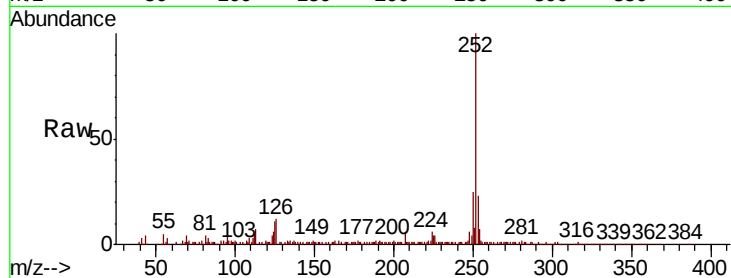




#88
Benzo(b)fluoranthene
Concen: 9.541 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.06 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

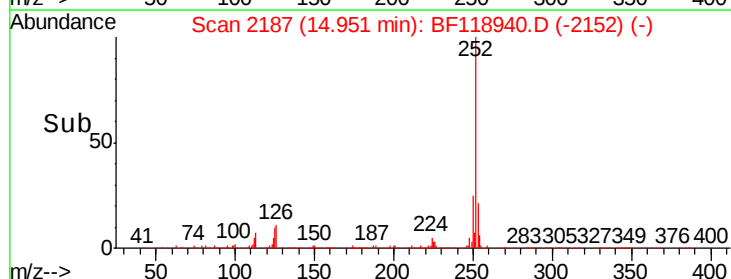
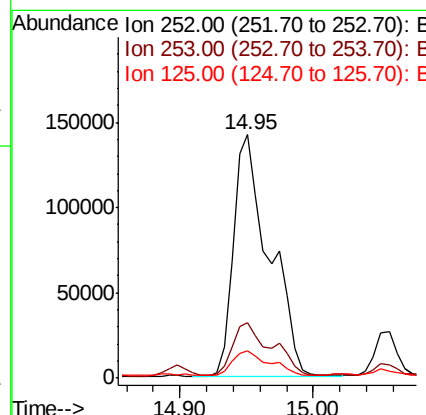
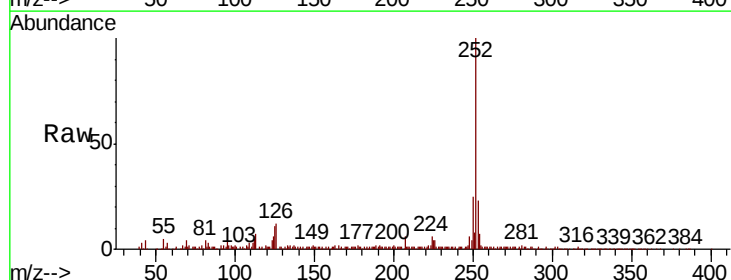
Instrument :
BNA_F
ClientSampleId :

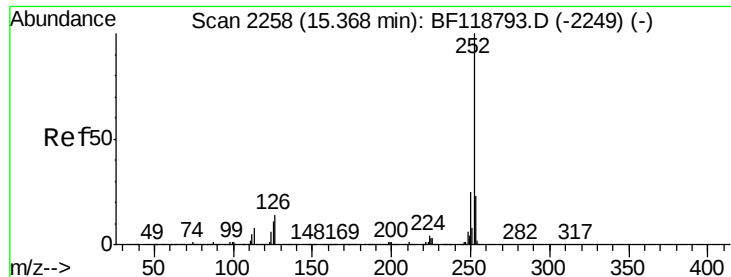
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	11.0	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 10.957 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.09 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	11.0	7.0	10.6

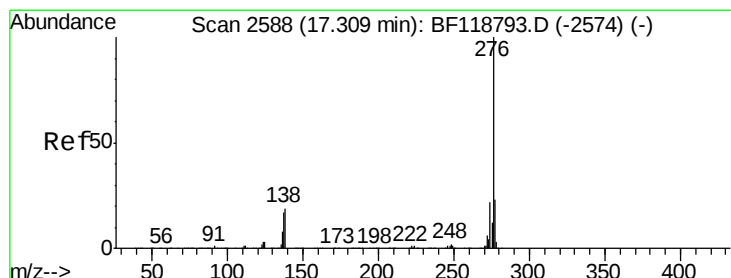
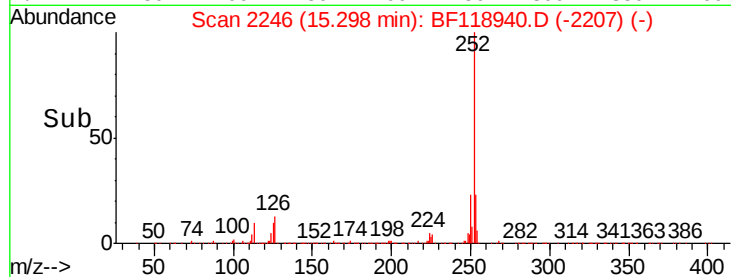
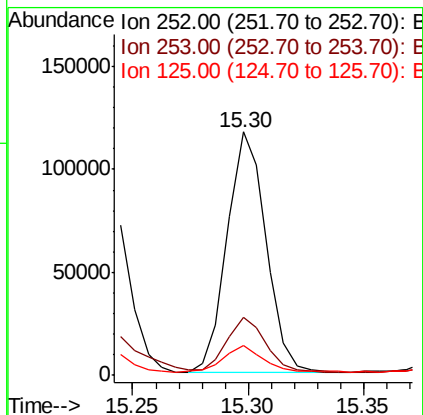
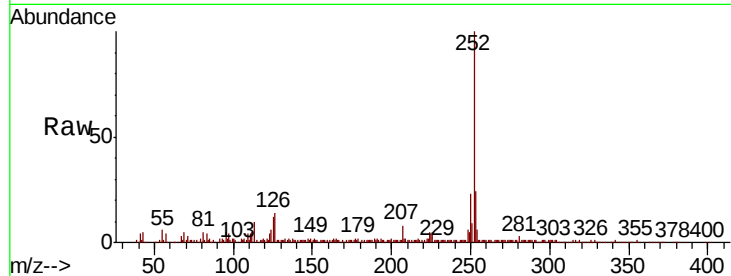




#90
Benzo(a)pyrene
Concen: 5.746 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.07 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	12.1	8.7	13.1



#92
Benzo(g,h,i)perylene
Concen: 4.199 ng
RT: 17.20 min Scan# 2569
Delta R.T. -0.11 min
Lab File: BF118940.D
Acq: 14 Feb 2020 19:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.7	28.1
138	22.0	15.4	23.2

