

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118315.D
 Acq On : 26 Dec 2019 14:36
 Operator : JU
 Sample : K6421-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:22:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	113653	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	450681	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	244648	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	471215	20.00	ng	0.00
76) Chrysene-d12	14.04	240	320467	20.00	ng	-0.01
87) Perylene-d12	15.53	264	327470	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	567359	85.21	ng	0.00
7) Phenol-d6	6.48	99	721290	87.33	ng	0.00
23) Nitrobenzene-d5	7.41	82	426318	54.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	246985	81.75	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	903842	56.39	ng	0.00
79) Terphenyl-d14	12.98	244	1173055	60.73	ng	0.00

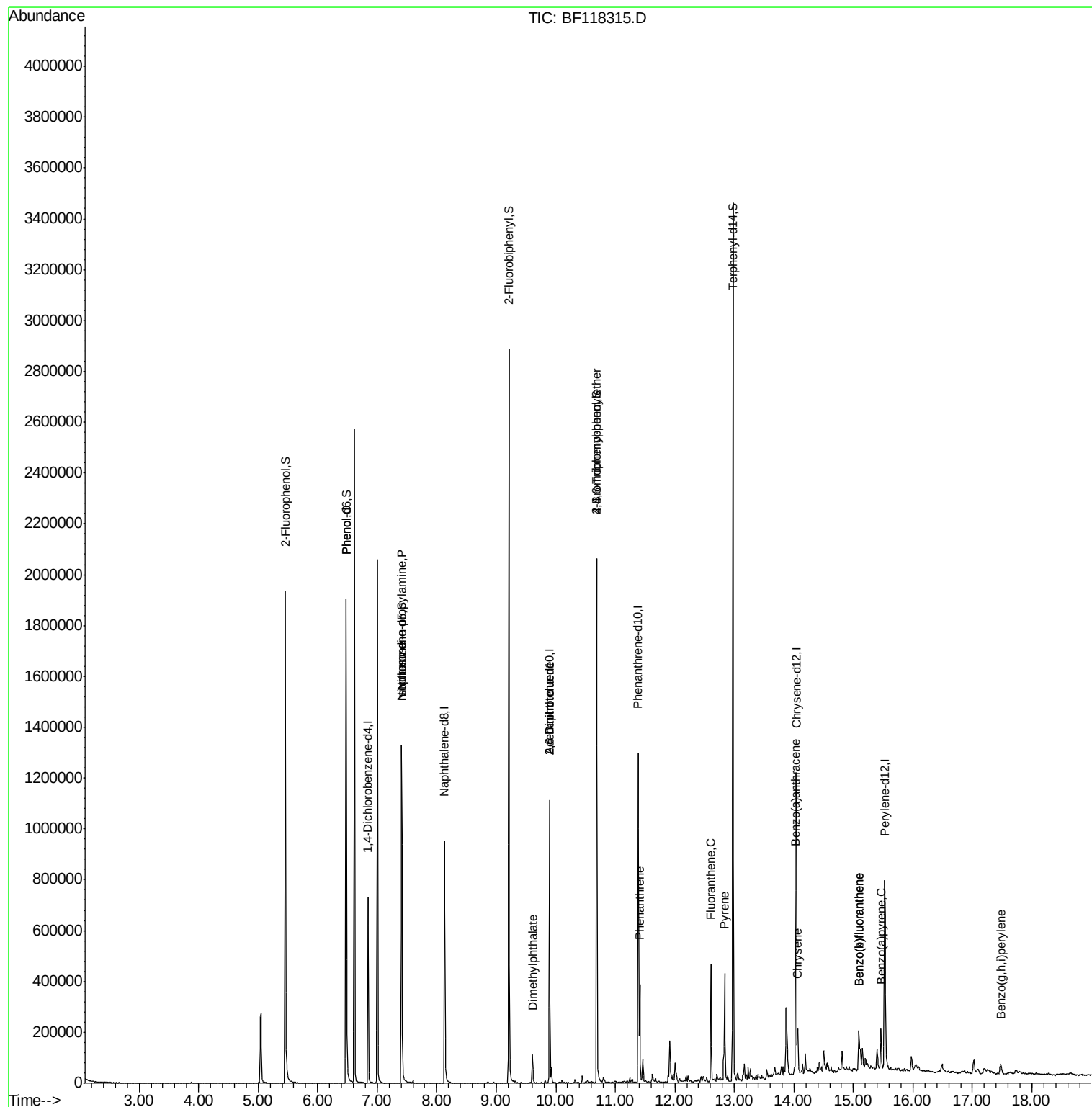
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	26619	2.867	ng	# 65
19) n-Nitroso-di-n-propylamine	7.41	70	56527	11.109	ng	# 78
25) Isophorone	7.41	82	426315	31.044	ng	# 62
50) Dimethylphthalate	9.61	163	48668	2.650	ng	97
51) 2,6-Dinitrotoluene	9.90	165	31543	7.967	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	31543	5.962	ng	# 30
67) 4-Bromophenyl-phenylether	10.69	248	14922	2.706	ng	# 1
71) Phenanthrene	11.41	178	139469	5.429	ng	98
75) Fluoranthene	12.61	202	196871	7.594	ng	99
78) Pyrene	12.84	202	169701	6.485	ng	99
81) Benzo(a)anthracene	14.03	228	87221	3.888	ng	98
83) Chrysene	14.06	228	72607	3.380	ng	97
88) Benzo(b)fluoranthene	15.09	252	112691	5.184	ng	98
89) Benzo(k)fluoranthene	15.09	252	112691	5.399	ng	97
90) Benzo(a)pyrene	15.46	252	61577	3.216	ng	97
92) Benzo(g,h,i)perylene	17.47	276	34123	2.126	ng	96

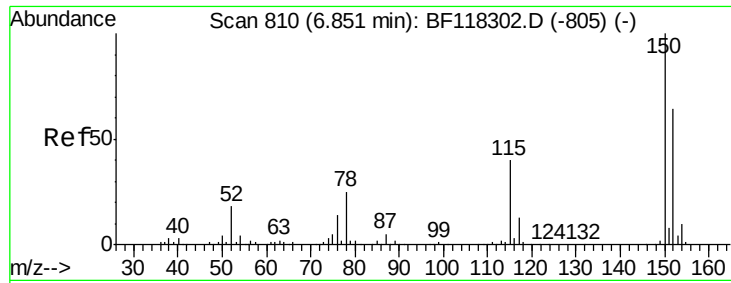
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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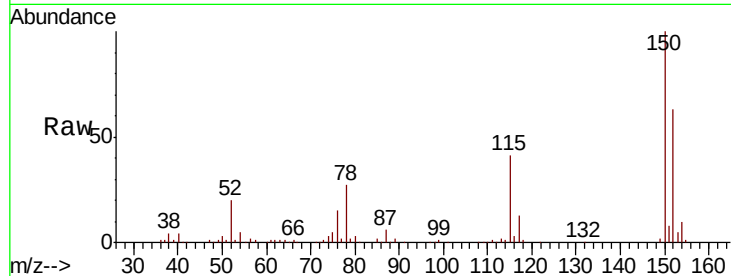


#1

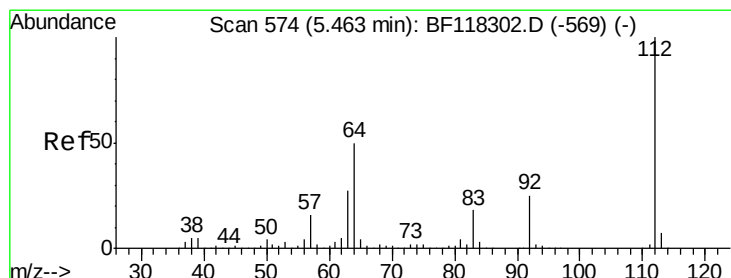
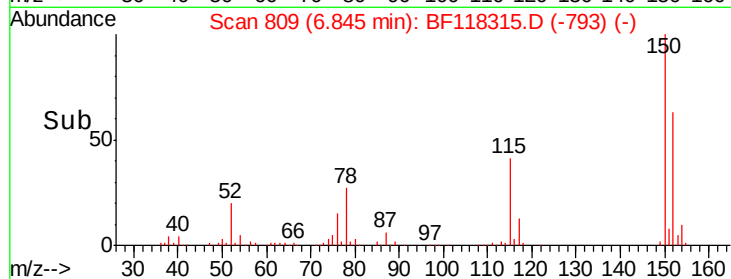
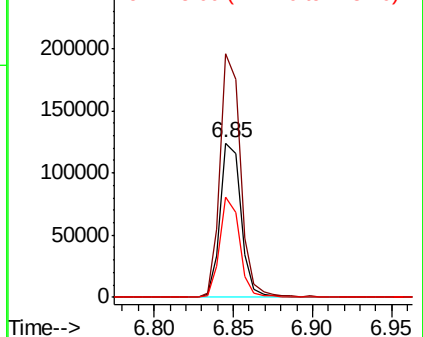
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113653
Ion Ratio Lower Upper
152 100
150 157.6 125.4 188.2
115 65.0 50.2 75.4



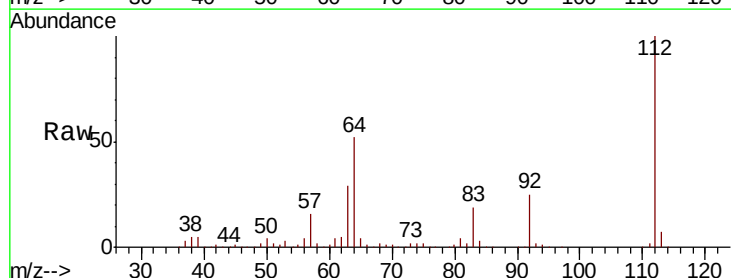
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



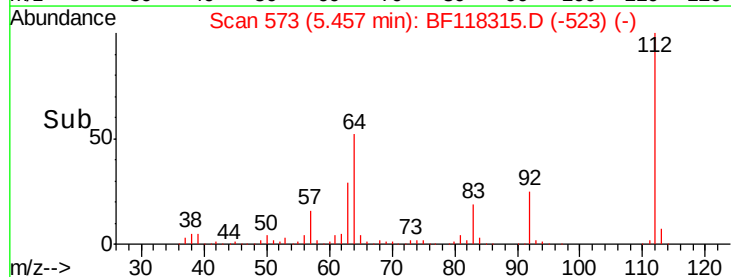
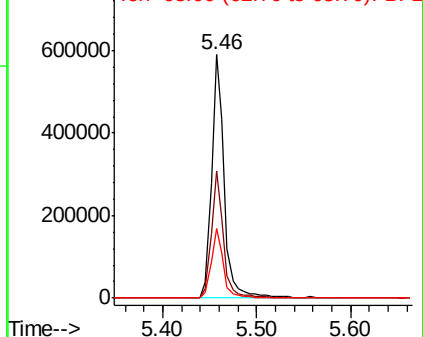
#5

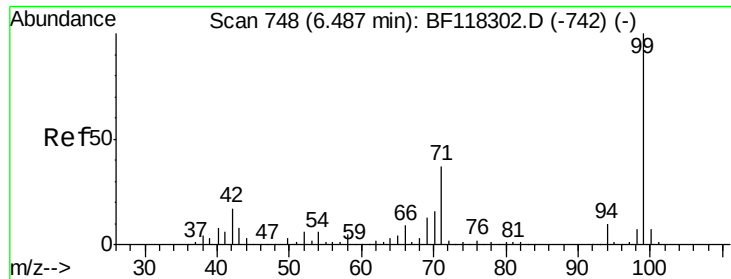
2-Fluorophenol
Concen: 85.213 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion:112 Resp: 567359
Ion Ratio Lower Upper
112 100
64 52.3 39.7 59.5
63 28.5 21.7 32.5



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: 87.328 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118315.D

Acq: 26 Dec 2019 14:36

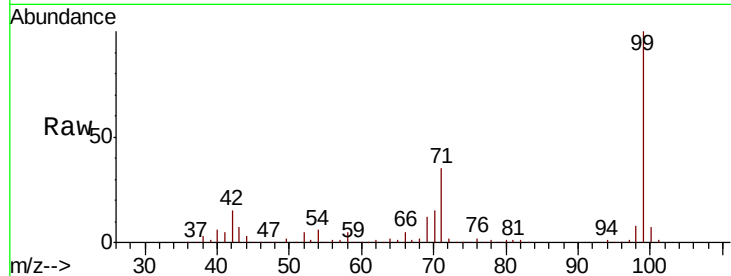
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 721290

Ion	Ratio	Lower	Upper
99	100		
42	15.3	13.5	20.3
71	35.1	29.4	44.2

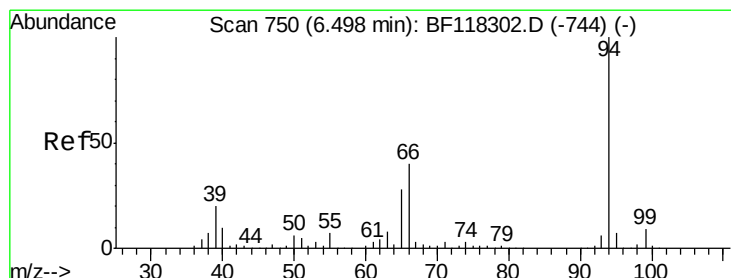
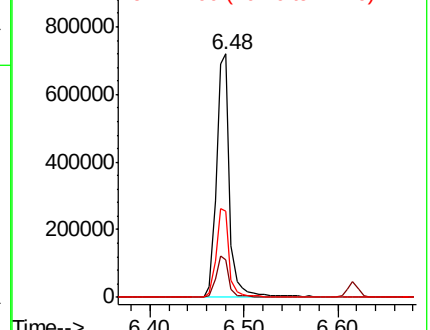
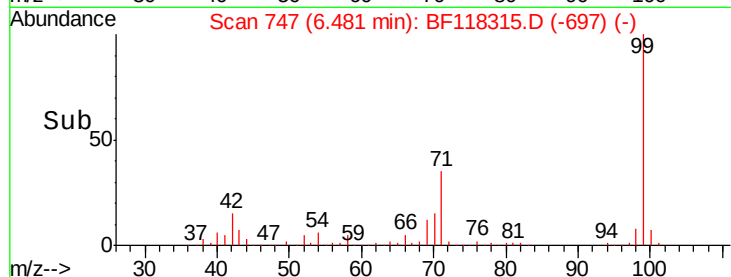


Abundance

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



#10

Phenol

Concen: 2.867 ng

RT: 6.49 min Scan# 748

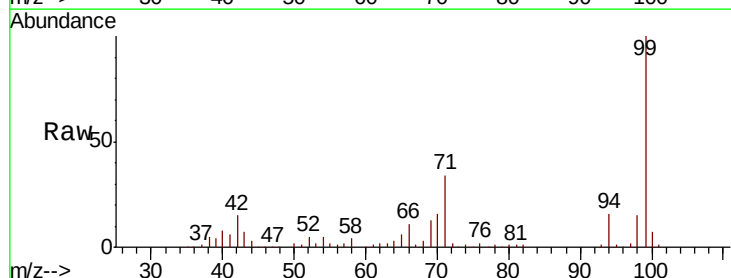
Delta R.T. -0.01 min

Lab File: BF118315.D

Acq: 26 Dec 2019 14:36

Tgt Ion: 94 Resp: 26619

Ion	Ratio	Lower	Upper
94	100		
65	36.4	7.8	47.8
66	70.3	20.4	60.4

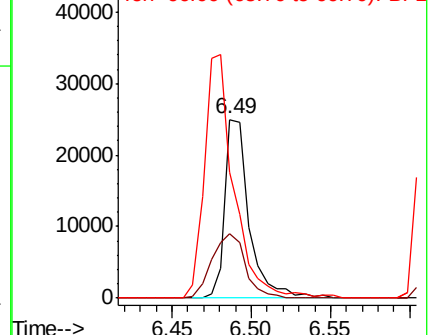
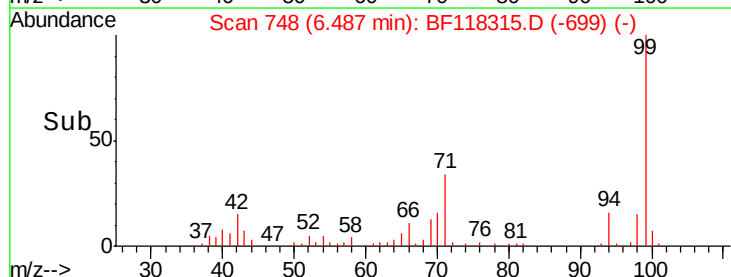


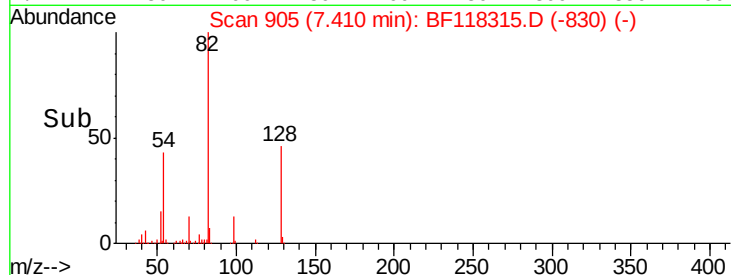
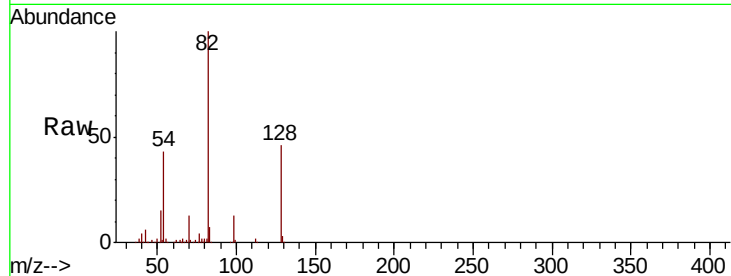
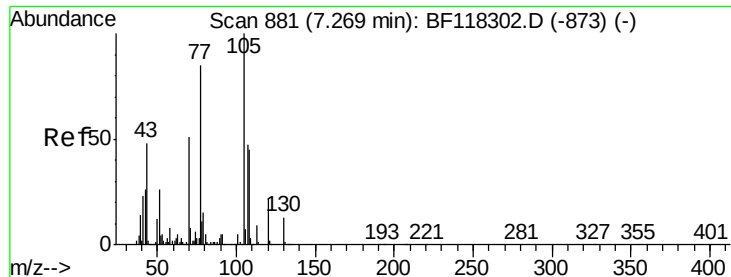
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

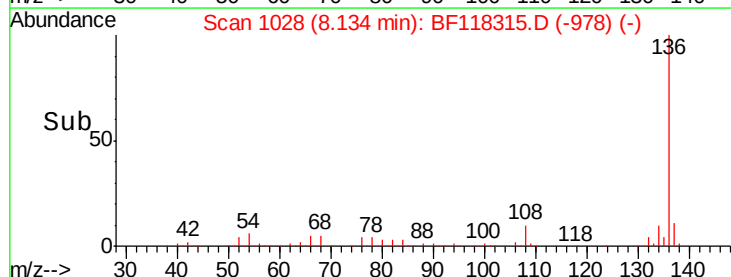
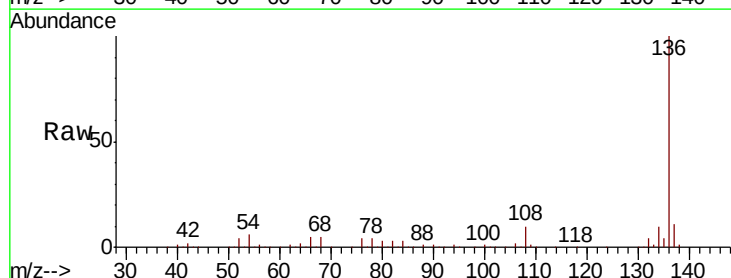
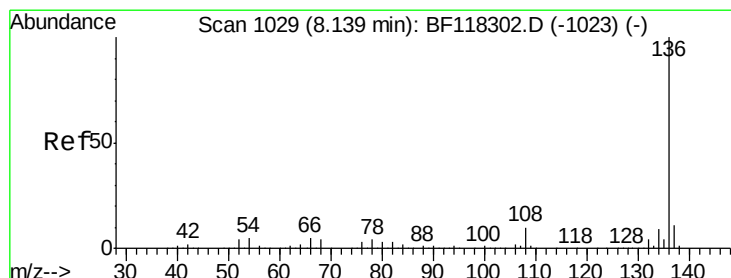
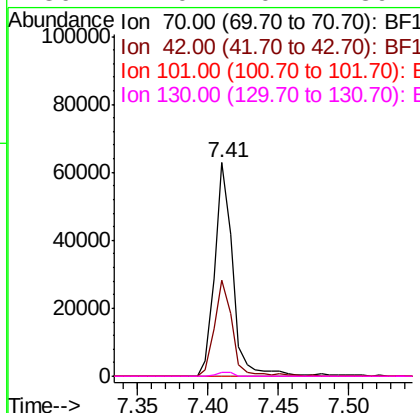




#19
n-Nitroso-di-n-propylamine
Concen: 11.109 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

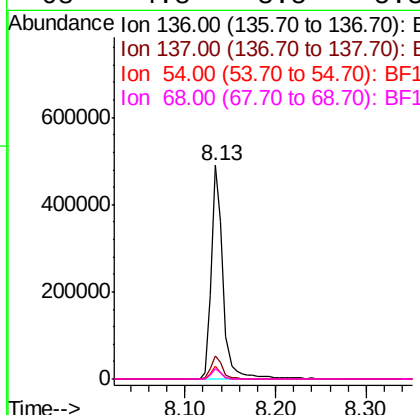
Instrument :
BNA_F
ClientSampled :

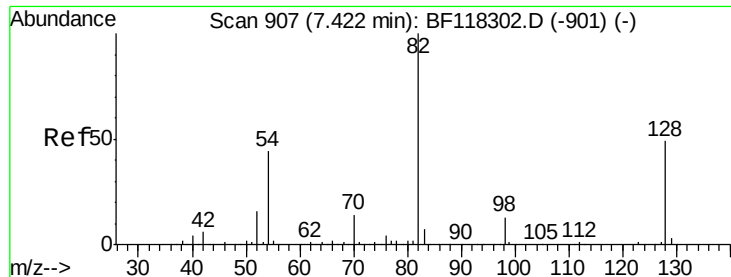
Tot Ion: 70 Resp: 56527
Ion Ratio Lower Upper
70 100
42 45.1 41.1 61.7
101 0.0 8.3 12.5#
130 2.0 20.1 30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion: 136 Resp: 450681
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 5.8 4.2 6.4
68 4.8 3.5 5.3

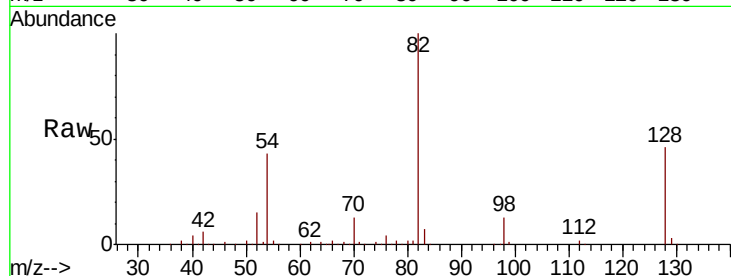




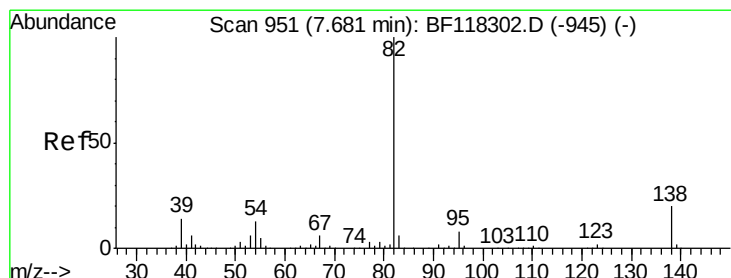
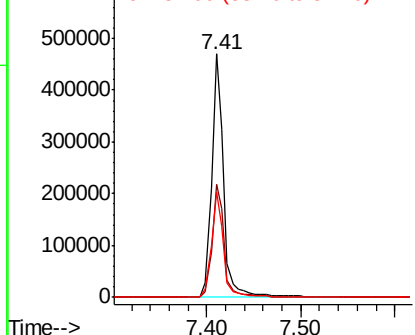
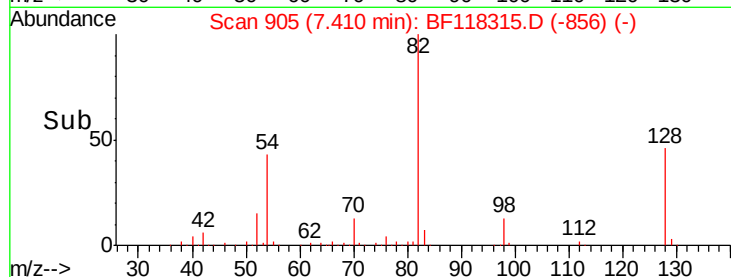
#23
 Nitrobenzene-d5
 Concen: 54.103 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF118315.D
 Acq: 26 Dec 2019 14:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	426318
Ion Ratio	100	Lower	Upper
128	46.4	39.6	59.4
54	43.5	34.9	52.3

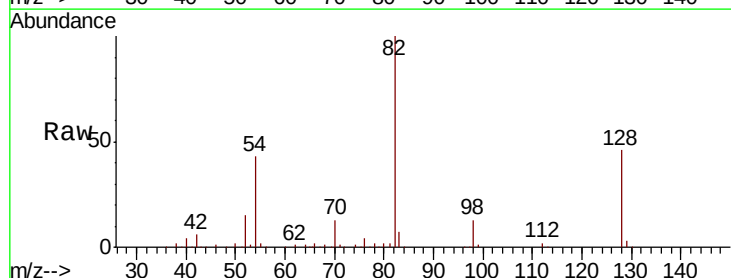


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

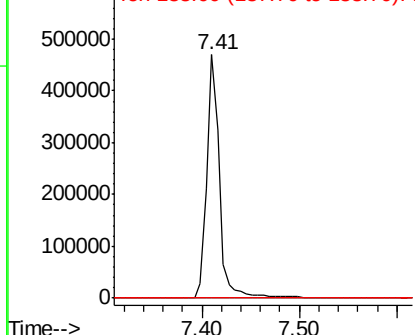
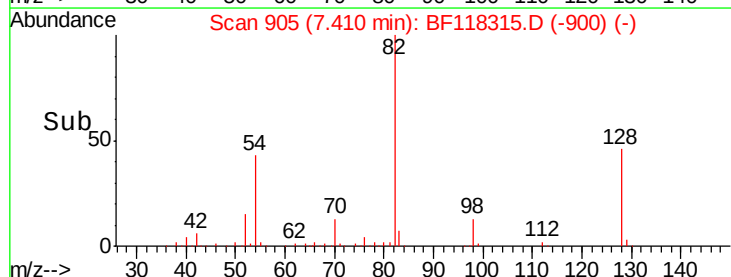


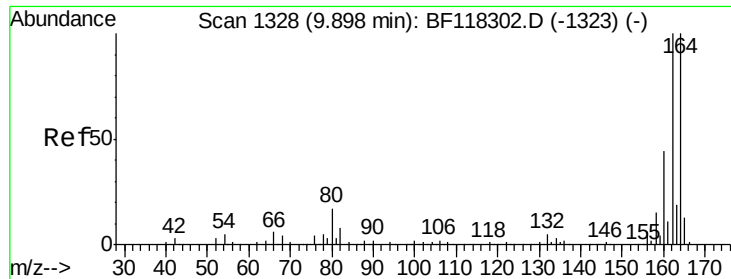
#25
 Isophorone
 Concen: 31.044 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF118315.D
 Acq: 26 Dec 2019 14:36

Tgt Ion	82	Resp	426315
Ion Ratio	100	Lower	Upper
95	0.0	6.3	9.5#
138	0.0	16.2	24.2#



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: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118315.D

Acq: 26 Dec 2019 14:36

Instrument :

BNA_F

ClientSampleId :

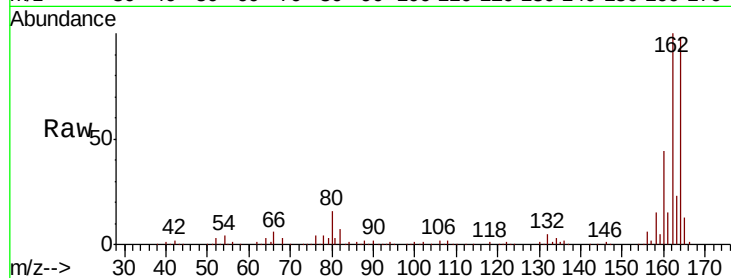
Tot Ion:164 Resp: 244648

Ion Ratio Lower Upper

164 100

162 102.3 80.0 120.0

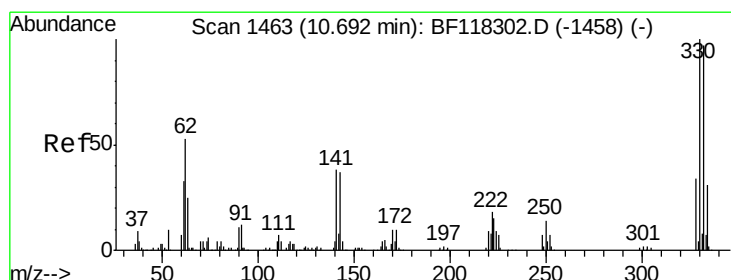
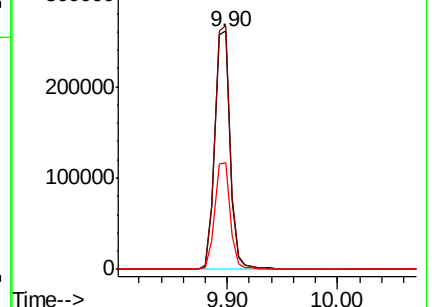
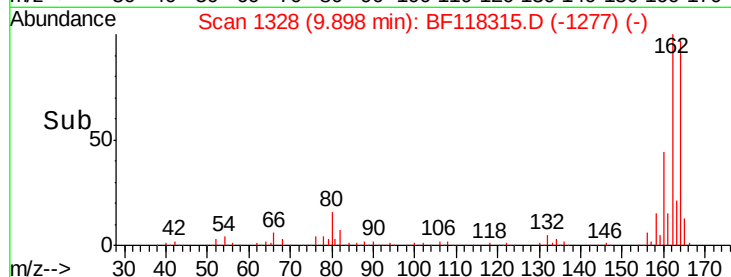
160 45.0 34.8 52.2



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: 81.750 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.01 min

Lab File: BF118315.D

Acq: 26 Dec 2019 14:36

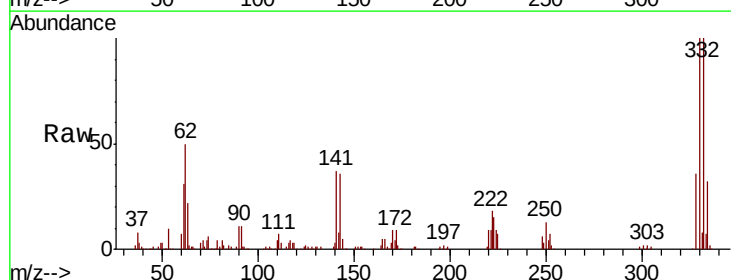
Tgt Ion:330 Resp: 246985

Ion Ratio Lower Upper

330 100

332 98.4 76.6 114.8

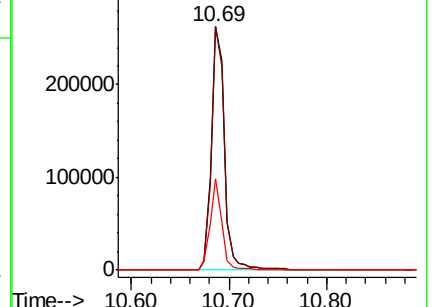
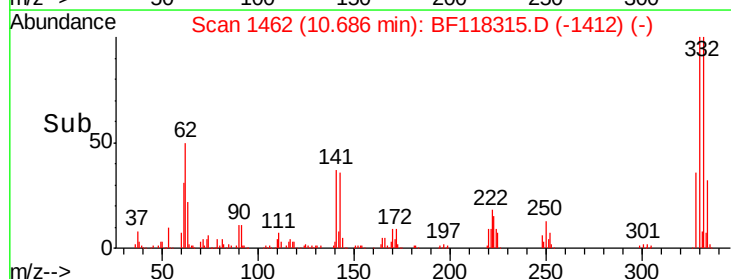
141 33.8 26.0 39.0

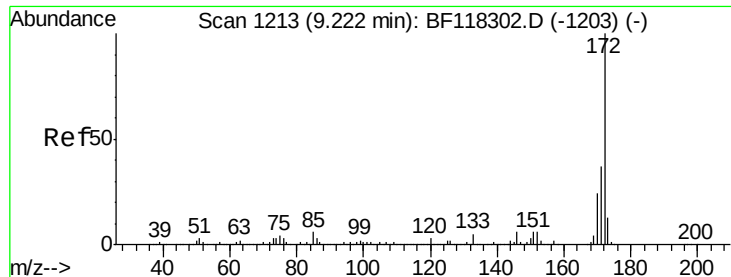


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

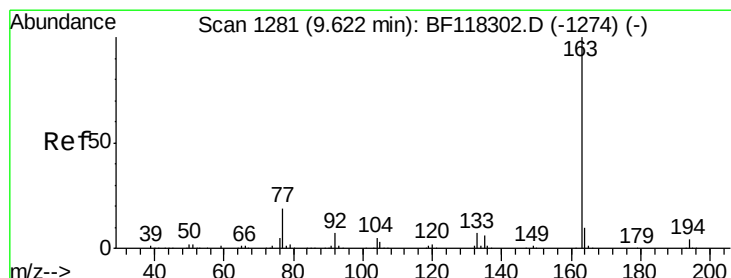
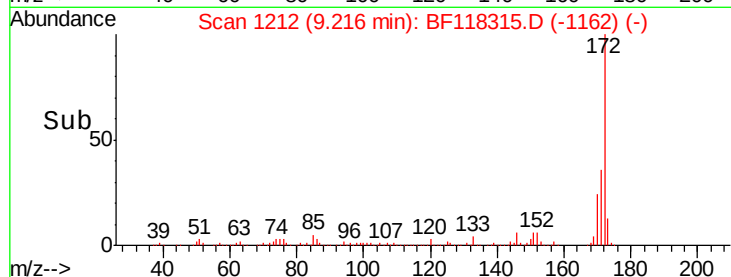
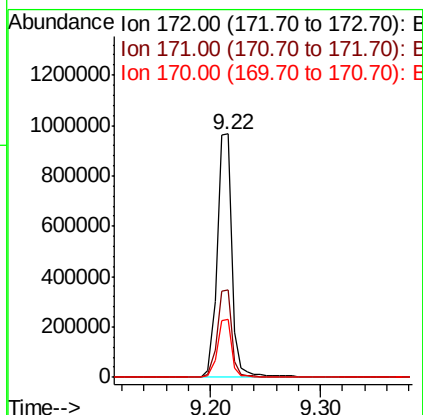
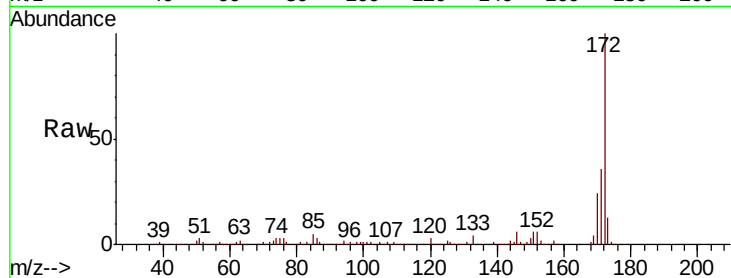




#45
 2-Fluorobiphenyl
 Concen: 56.395 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118315.D
 Acq: 26 Dec 2019 14:36

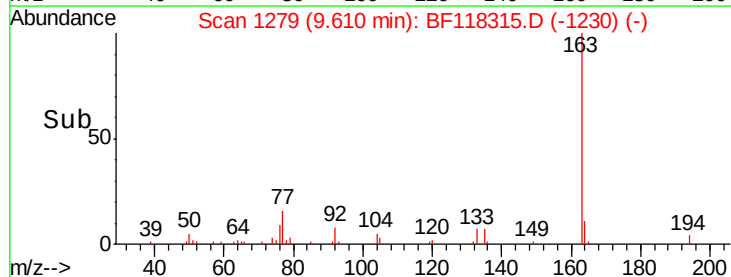
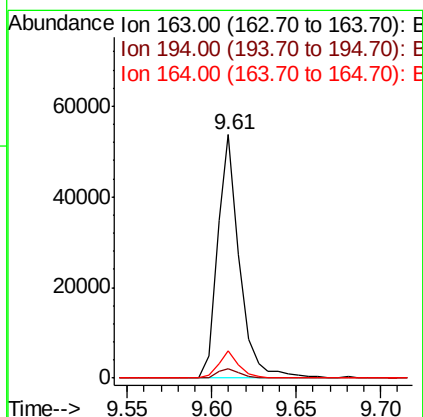
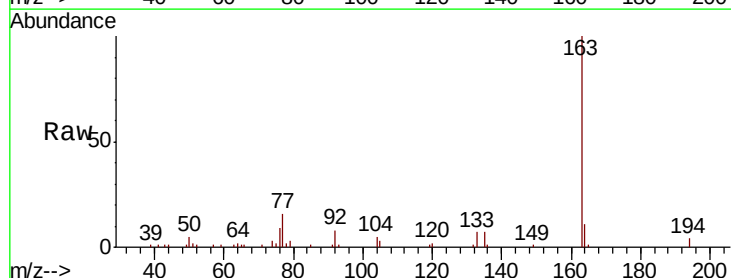
Instrument :
 BNA_F
 ClientSampleId :

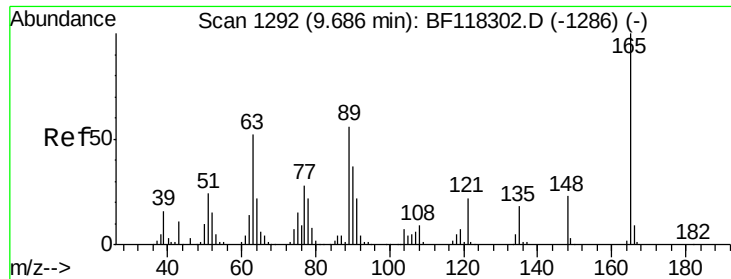
Tot Ion:172 Resp: 903842
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.3 43.9
 170 24.0 19.2 28.8



#50
 Dimethylphthalate
 Concen: 2.650 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF118315.D
 Acq: 26 Dec 2019 14:36

Tgt Ion:163 Resp: 48668
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.2 4.8
 164 11.2 7.9 11.9

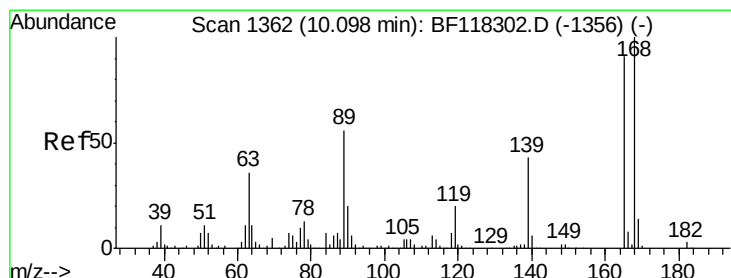
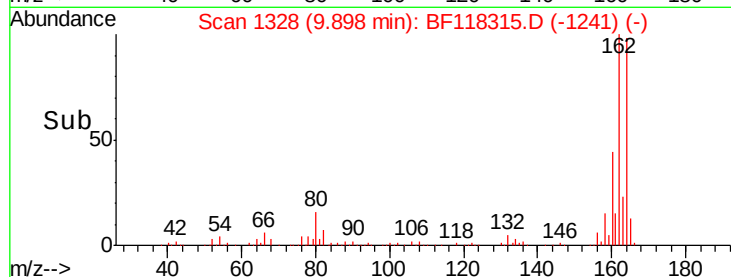
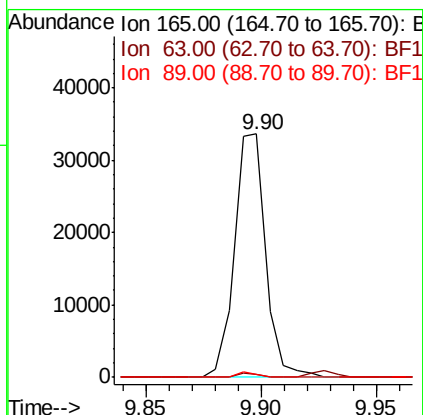
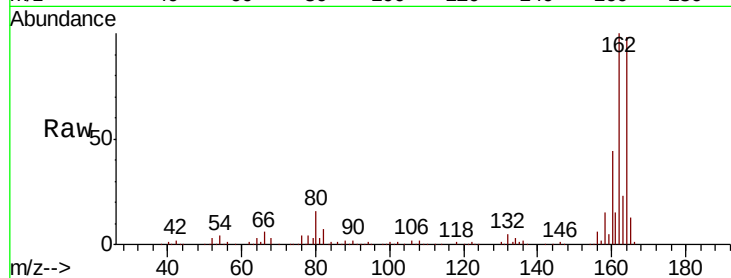




#51
 2,6-Dinitrotoluene
 Concen: 7.967 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF118315.D
 Acq: 26 Dec 2019 14:36

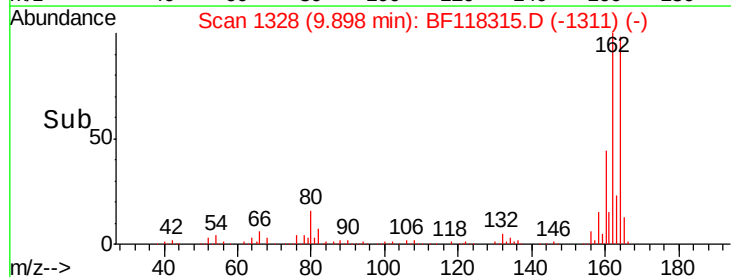
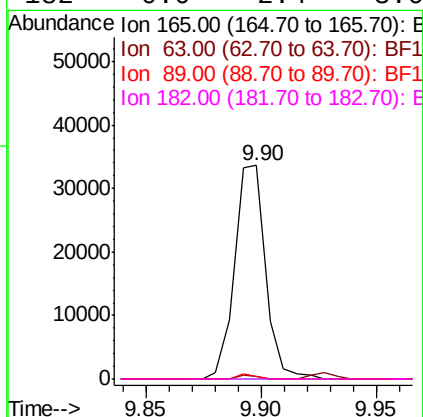
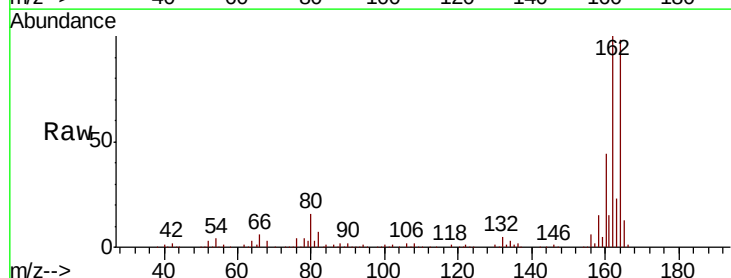
Instrument :
 BNA_F
 ClientSampleId :

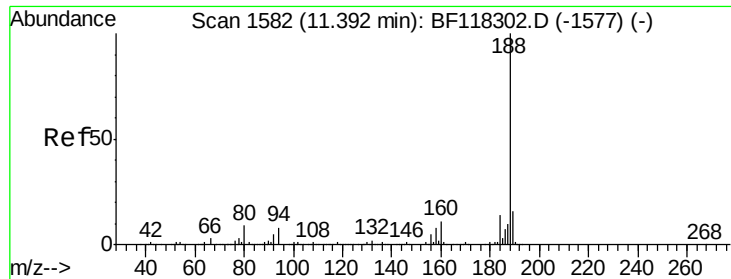
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.4#
89	1.3	44.4	66.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.962 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118315.D
 Acq: 26 Dec 2019 14:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.0	48.0#
89	1.3	49.3	73.9#
182	0.0	2.4	3.6#

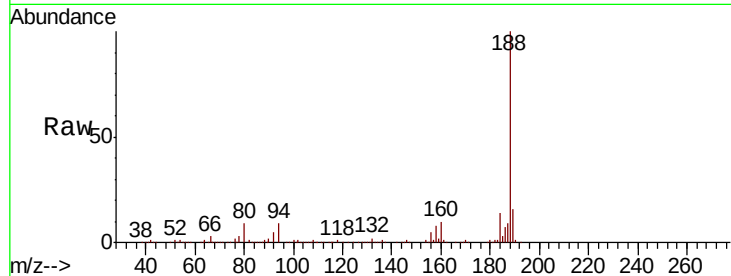




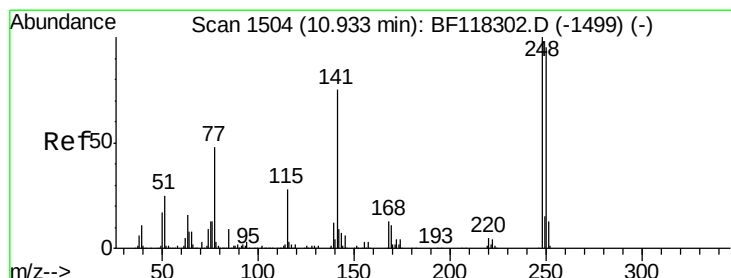
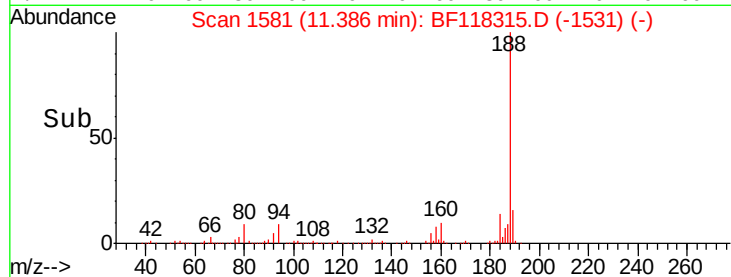
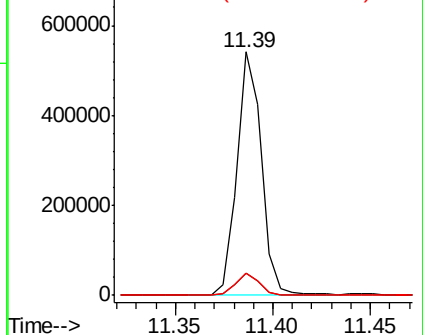
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 471215
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.3 7.2 10.8

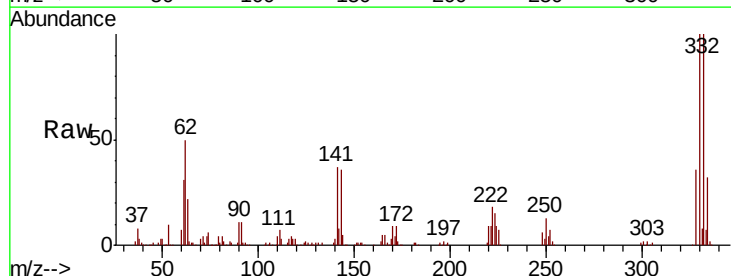


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

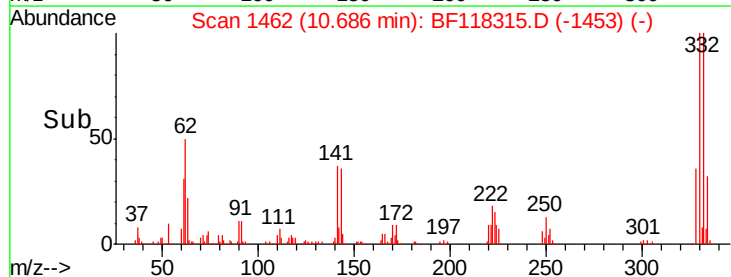
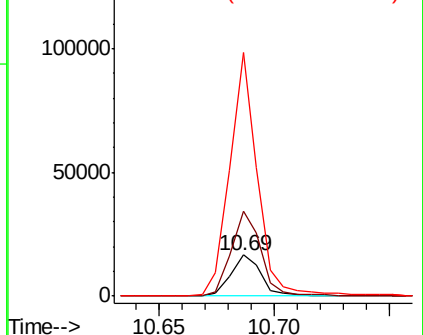


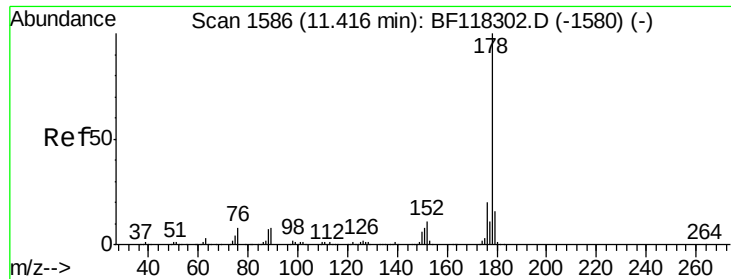
#67
4-Bromophenyl-phenylether
Concen: 2.706 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.25 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion:248 Resp: 14922
Ion Ratio Lower Upper
248 100
250 206.0 76.4 114.6#
141 595.0 60.2 90.2#



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

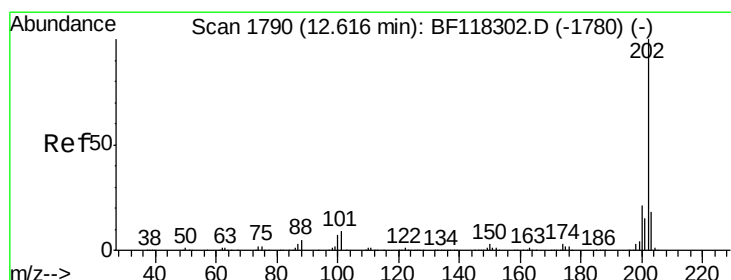
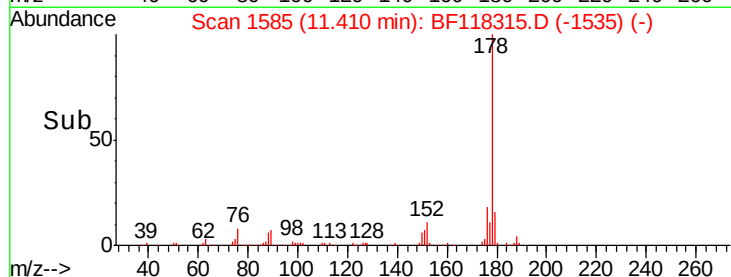
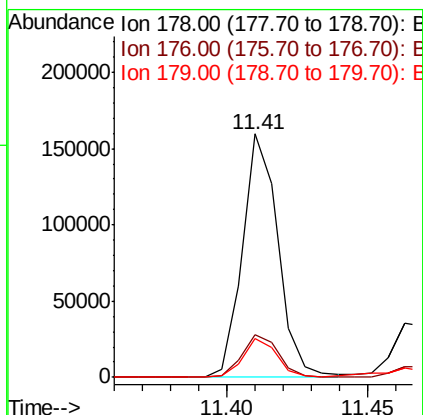
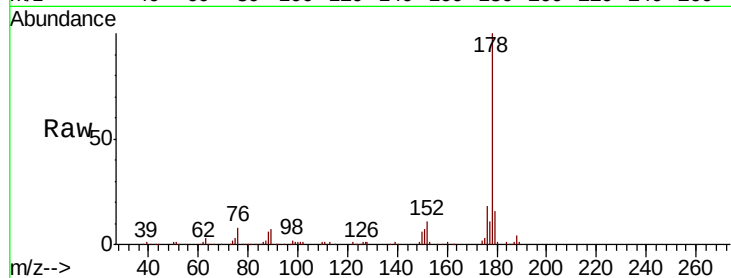




#71
Phenanthrene
Concen: 5.429 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

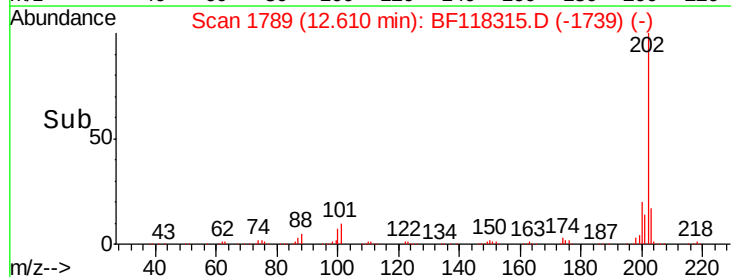
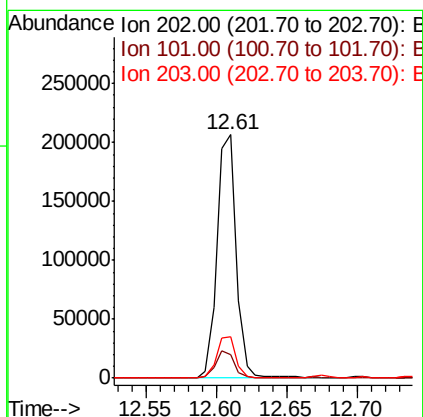
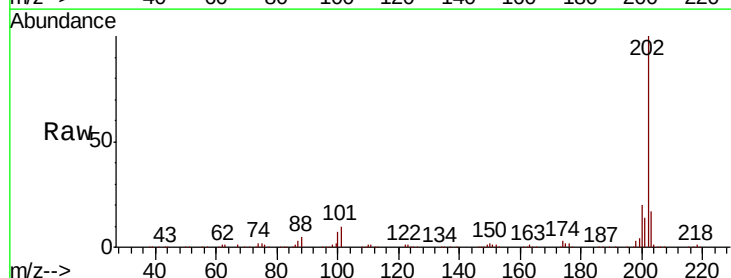
Instrument :
BNA_F
ClientSampleId :

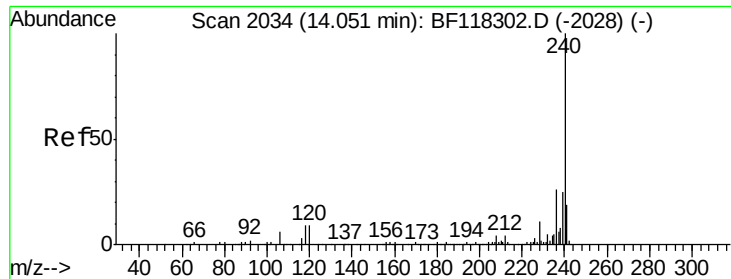
Tot Ion:178 Resp: 139469
Ion Ratio Lower Upper
178 100
176 17.6 15.6 23.4
179 16.0 12.6 19.0



#75
Fluoranthene
Concen: 7.594 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion:202 Resp: 196871
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.5
203 17.1 0.0 37.6

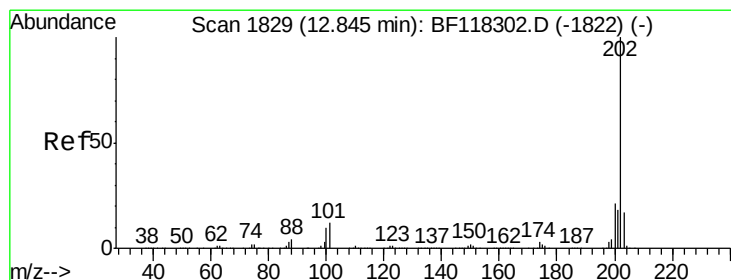
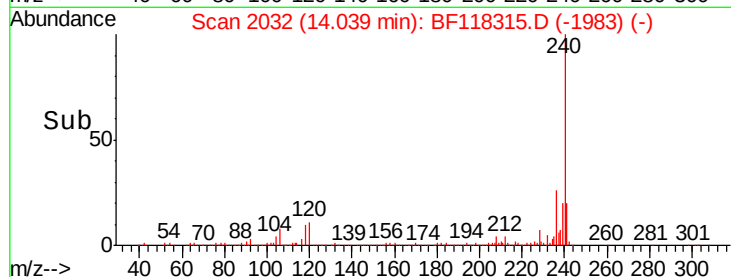
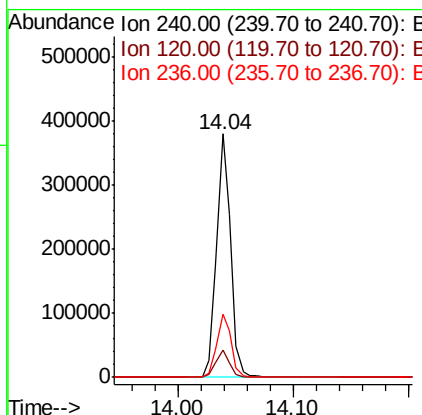
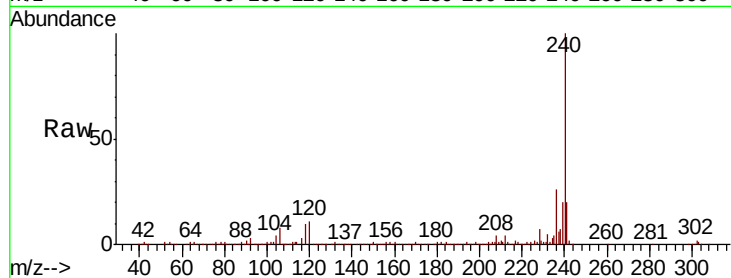




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

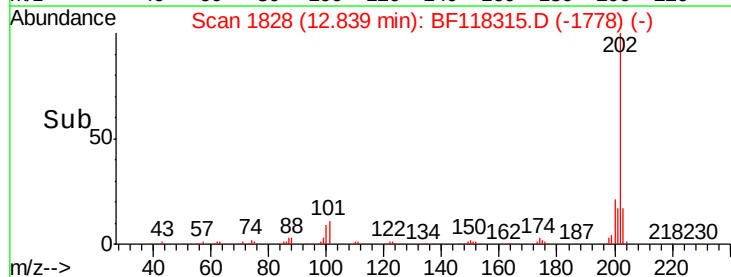
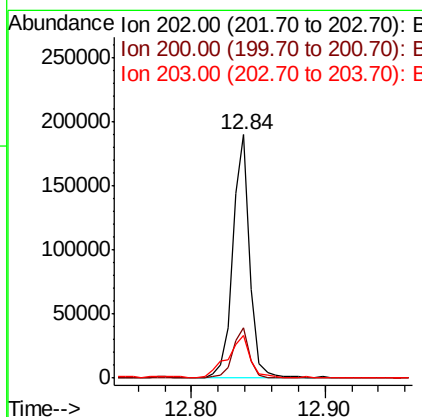
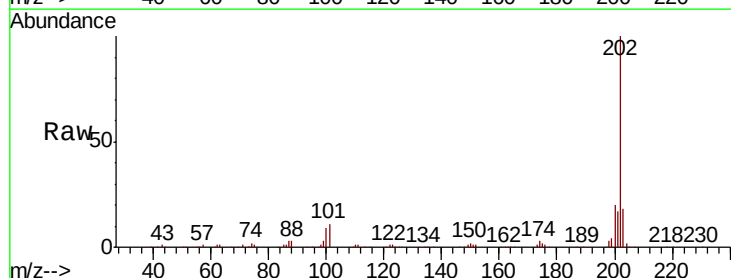
Instrument :
BNA_F
ClientSampled :

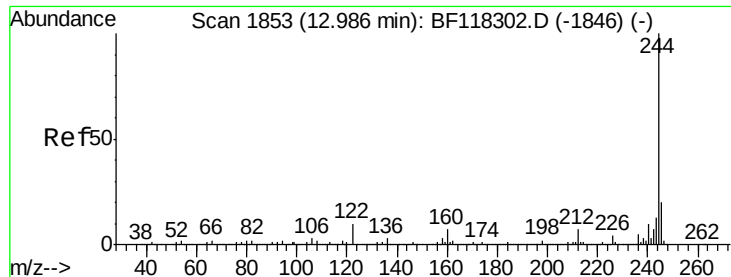
Tot Ion:240 Resp: 320467
Ion Ratio Lower Upper
240 100
120 11.1 7.1 10.7#
236 26.0 21.0 31.6



#78
Pyrene
Concen: 6.485 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion:202 Resp: 169701
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 60.728 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118315.D

Acq: 26 Dec 2019 14:36

Instrument :

BNA_F

ClientSampleId :

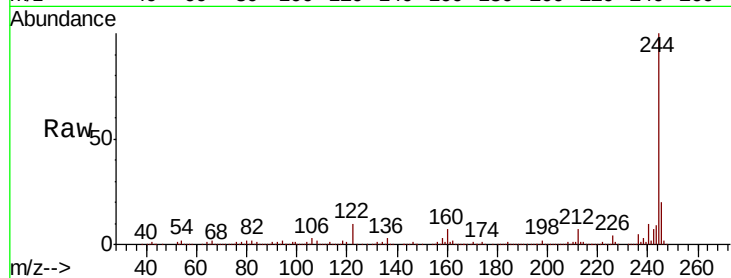
Tot Ion:244 Resp: 1173055

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

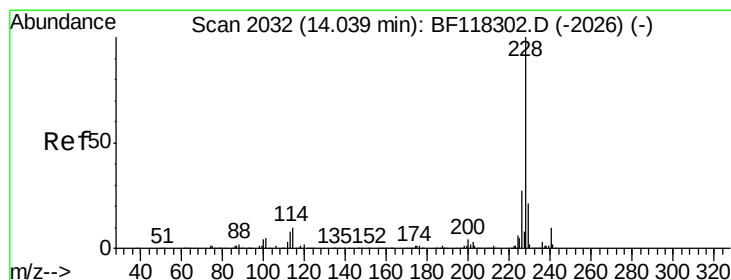
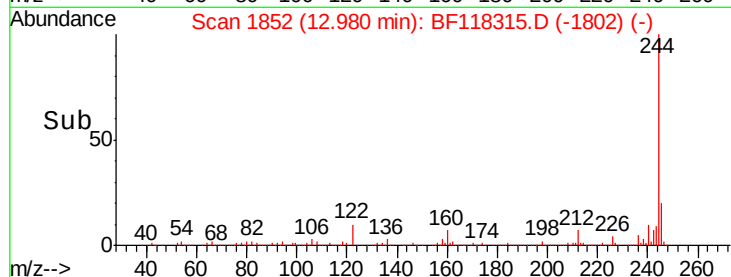
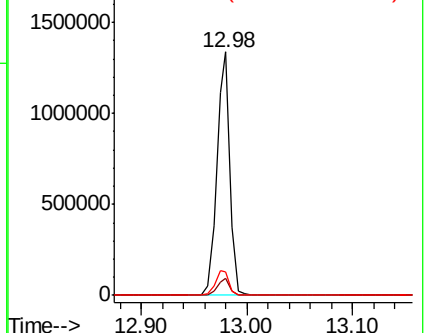
122 9.6 7.8 11.8



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: 3.888 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF118315.D

Acq: 26 Dec 2019 14:36

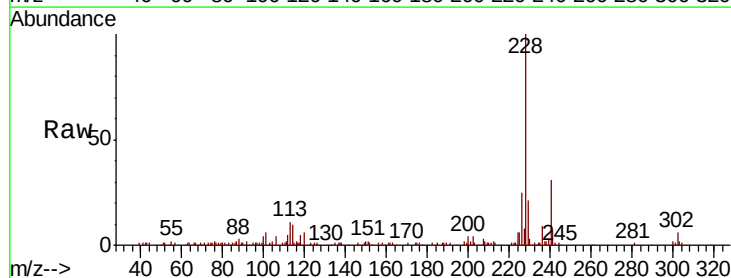
Tgt Ion:228 Resp: 87221

Ion Ratio Lower Upper

228 100

226 25.4 22.0 33.0

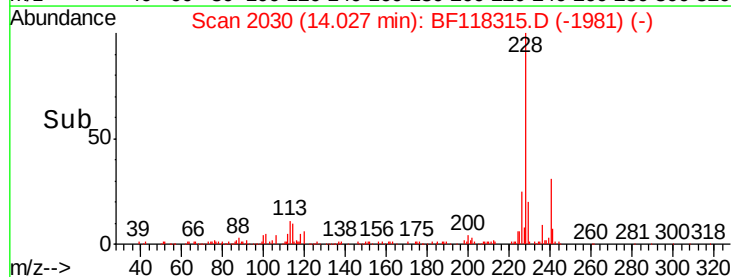
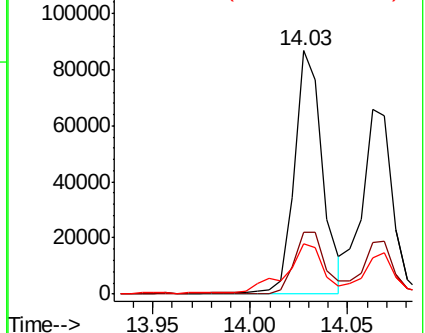
229 20.6 16.6 24.8

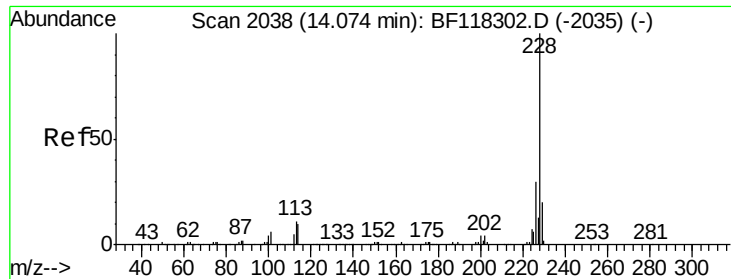


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

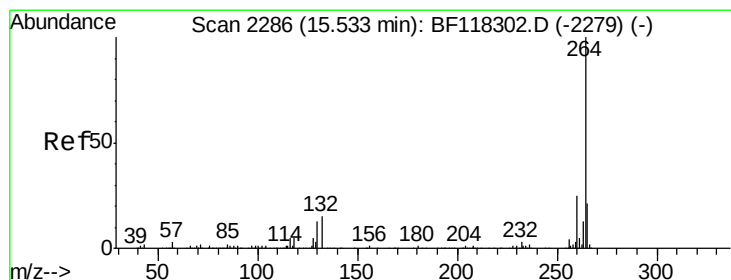
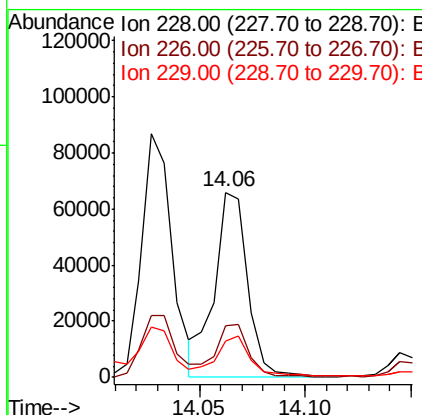
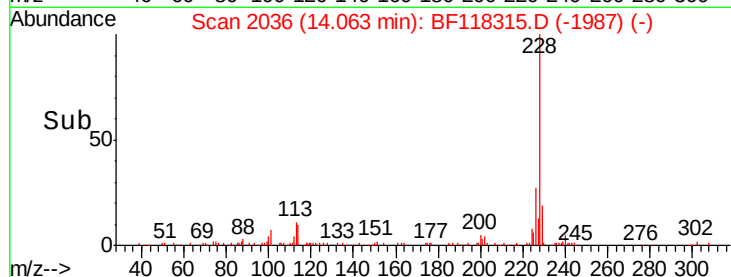
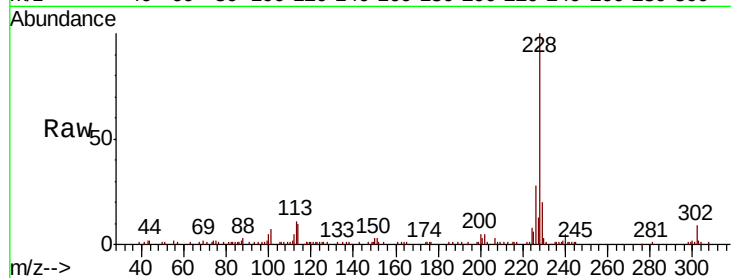




#83
Chrysene
Concen: 3.380 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

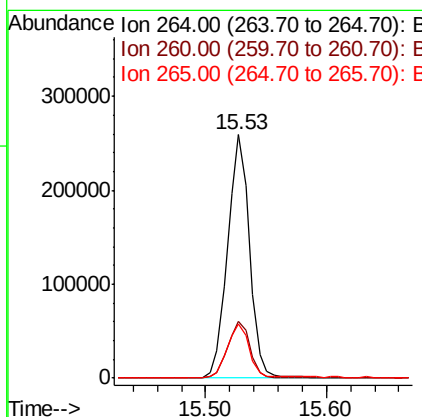
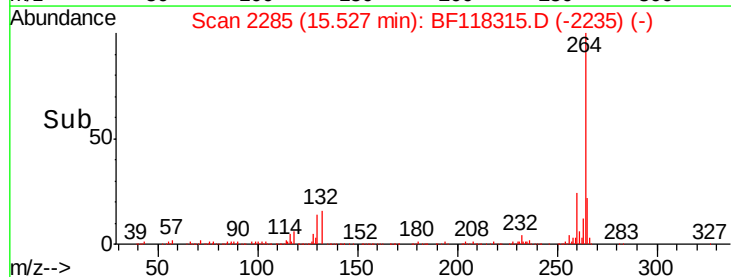
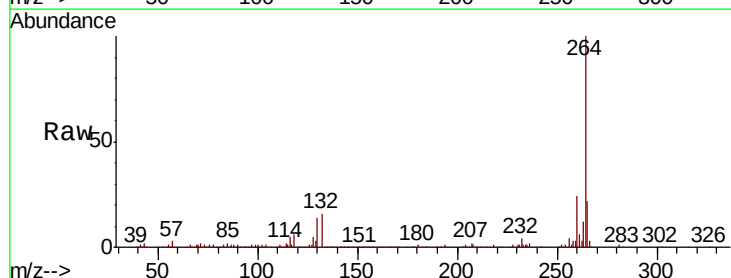
Instrument :
BNA_F
ClientSampled :

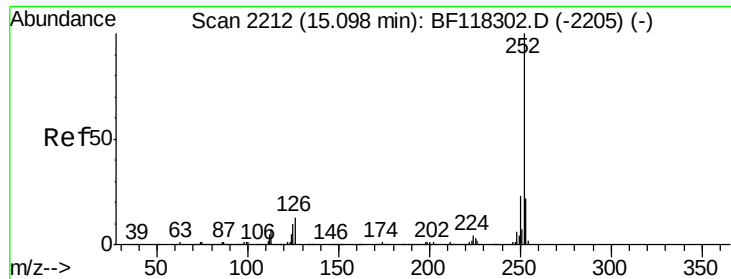
Tot Ion:228 Resp: 72607
Ion Ratio Lower Upper
228 100
226 27.7 23.9 35.9
229 19.8 16.1 24.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion:264 Resp: 327470
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 22.3 17.0 25.4

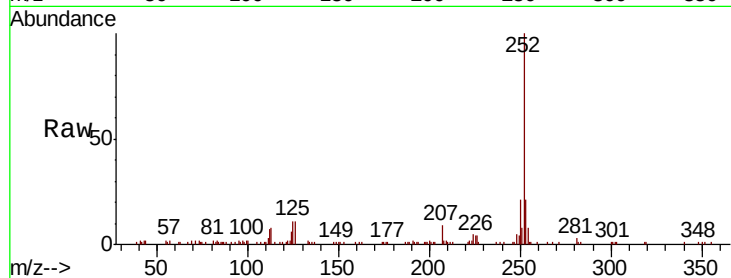




#88
Benzo(b)fluoranthene
Concen: 5.184 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	10.6	7.7	11.5

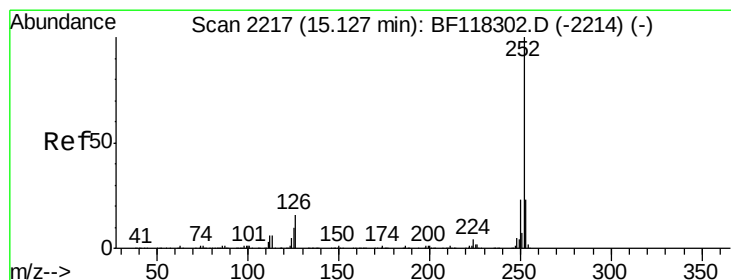
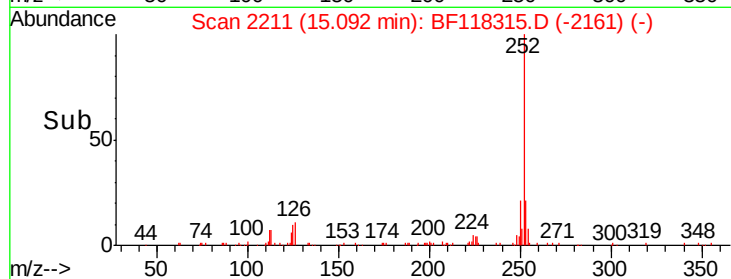
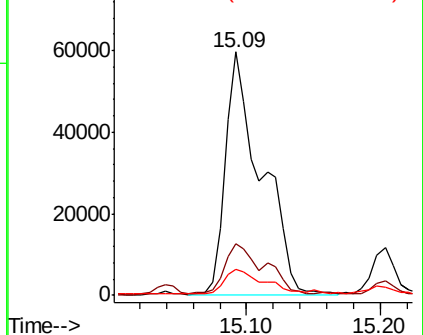


Abundance

Ion 252.00 (251.70 to 252.70): E

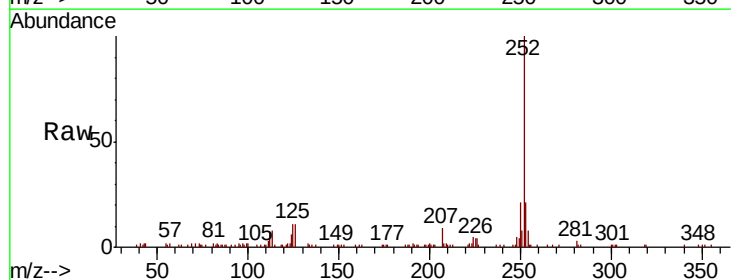
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.399 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.04 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.0	27.0
125	10.6	8.0	12.0

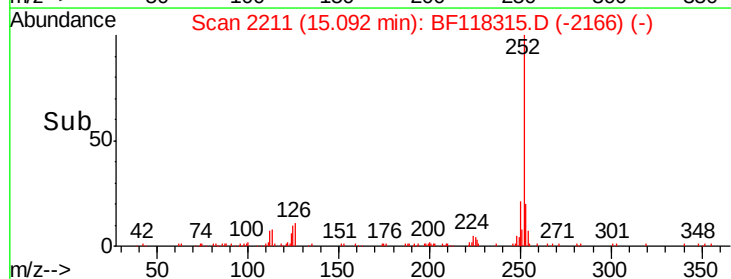
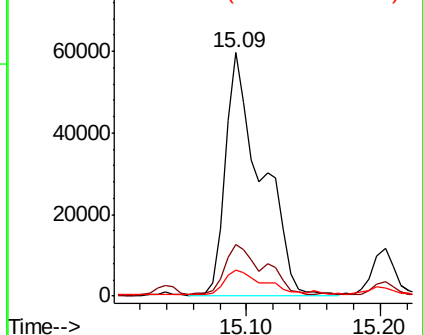


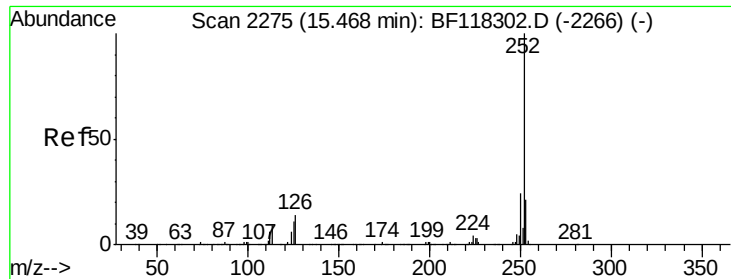
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

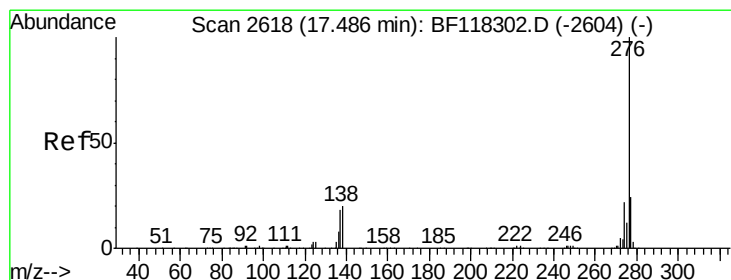
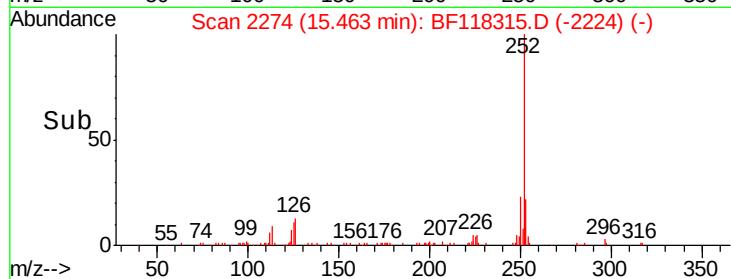
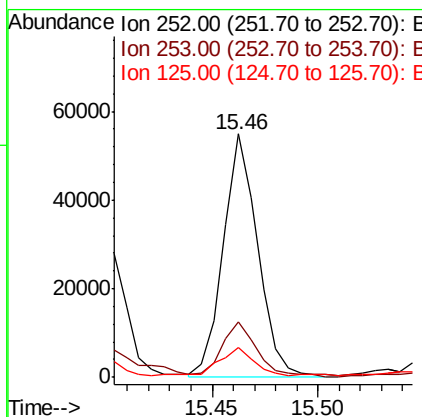
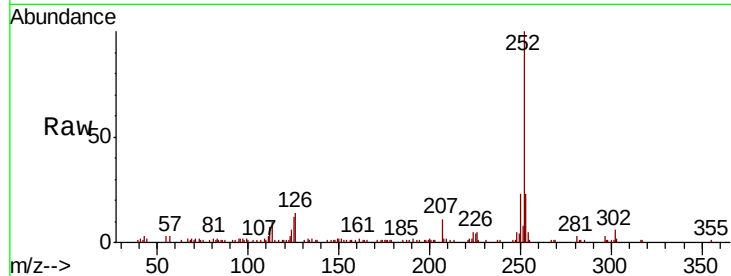




#90
Benzo(a)pyrene
Concen: 3.216 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	12.3	9.0	13.4



#92
Benzo(g,h,i)perylene
Concen: 2.126 ng
RT: 17.47 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BF118315.D
Acq: 26 Dec 2019 14:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	23.7	16.1	24.1

