

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113171.D
 Acq On : 20 Mar 2019 15:13
 Operator : JU/SJ
 Sample : K1984-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:21:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	133962	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	495494	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	196366	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	378918	20.00	ng	0.00
76) Chrysene-d12	13.87	240	302705	20.00	ng	0.00
87) Perylene-d12	15.28	264	323726	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	673576	78.21	ng	0.00
7) Phenol-d6	6.37	99	840082	77.66	ng	0.00
23) Nitrobenzene-d5	7.28	82	486919	58.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	217564	104.36	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	684408	52.12	ng	0.00
79) Terphenyl-d14	12.82	244	619299	39.66	ng	0.00

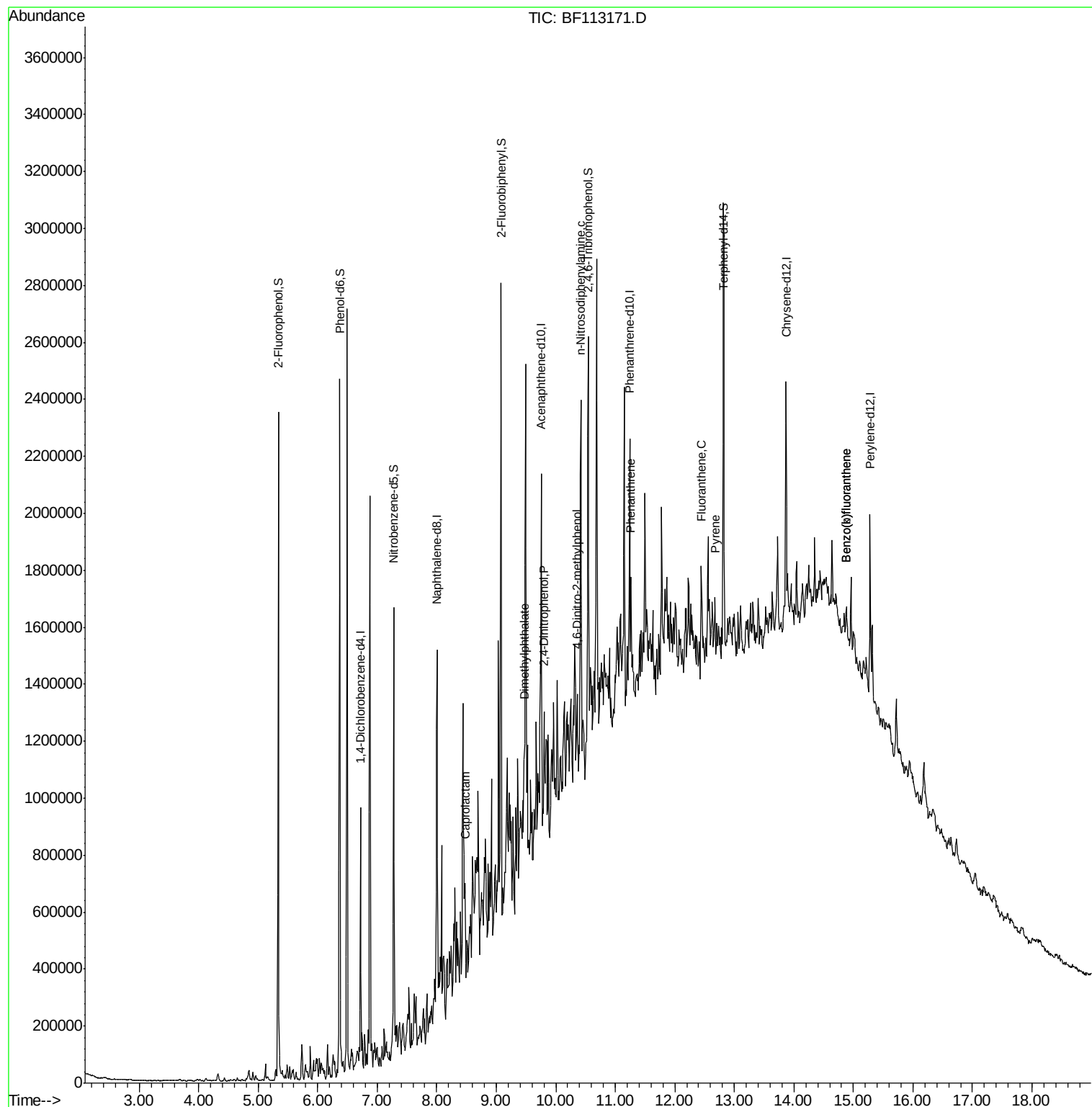
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
35) Caprolactam	8.47	113	6362	2.610	ng	# 1
50) Dimethylphthalate	9.47	163	85735	5.921	ng	# 94
54) 2,4-Dinitrophenol	9.80	184	139	6.557	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.37	198	299	4.786	ng	# 1
66) n-Nitrosodiphenylamine	10.42	169	27603	2.271	ng	# 47
71) Phenanthrene	11.26	178	80406	4.265	ng	# 90
75) Fluoranthene	12.45	202	104157	5.157	ng	# 98
78) Pyrene	12.67	202	100452	3.936	ng	# 97
88) Benzo(b)fluoranthene	14.88	252	67031	3.201	ng	# 53
89) Benzo(k)fluoranthene	14.88	252	67031	3.534	ng	# 52

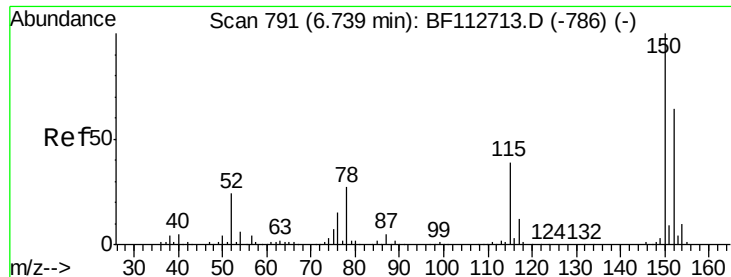
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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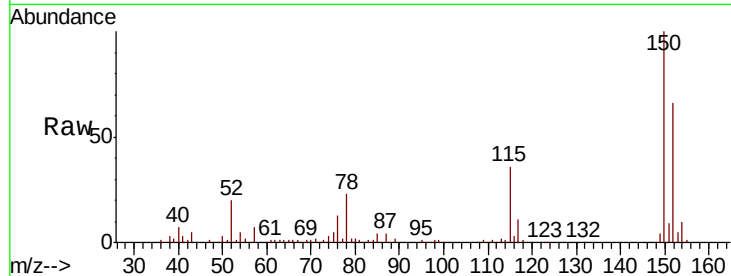


#1

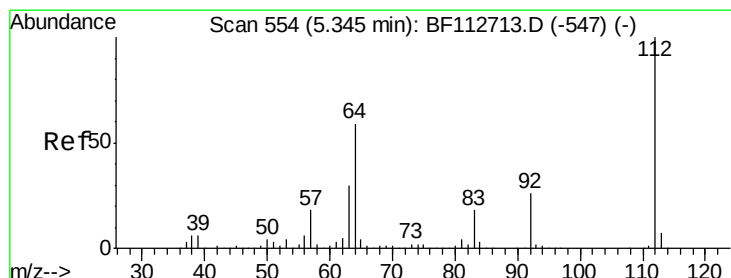
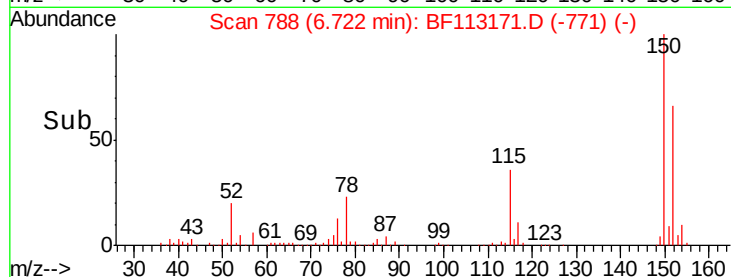
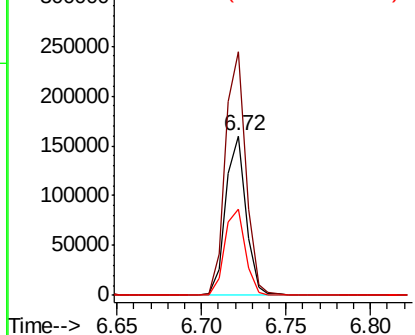
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.0	184.6
115	54.3	45.9	68.9



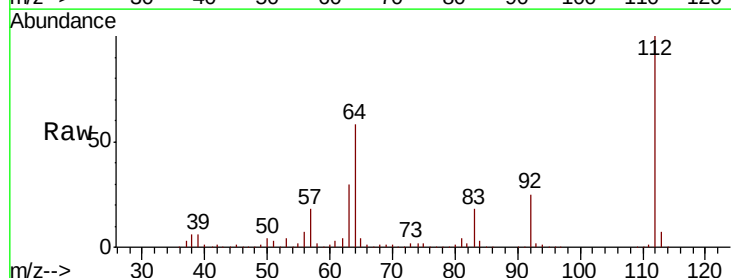
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



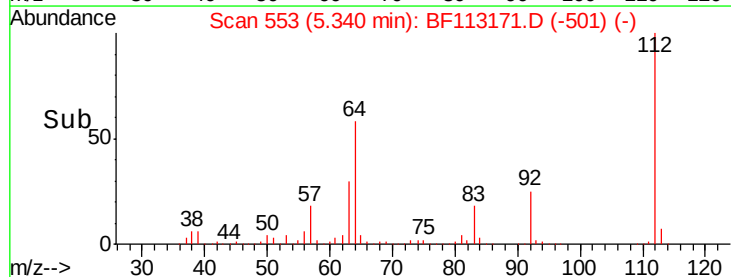
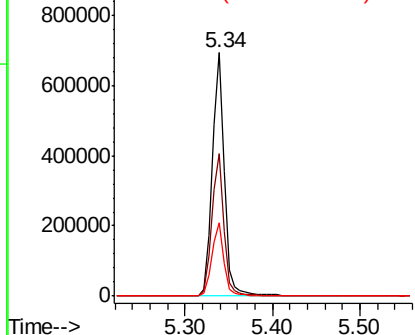
#5

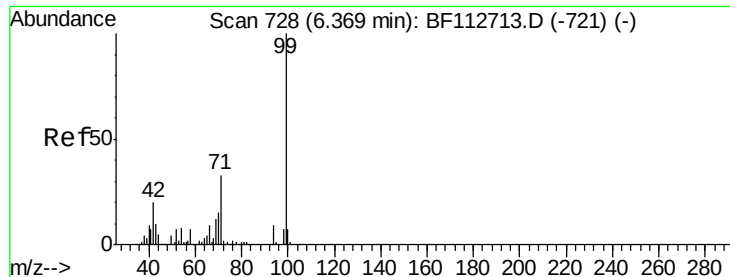
2-Fluorophenol
Concen: 78.215 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	49.3	73.9
63	30.2	25.4	38.2



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: 77.656 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113171.D

Acq: 20 Mar 2019 15:13

Instrument :

BNA_F

ClientSampled :

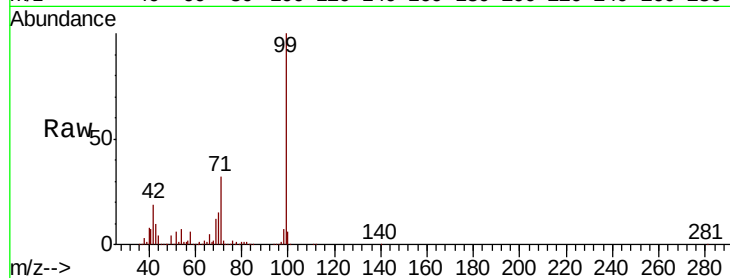
Tot Ion: 99 Resp: 840082

Ion Ratio Lower Upper

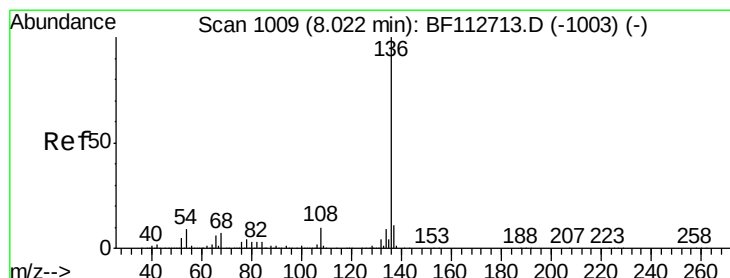
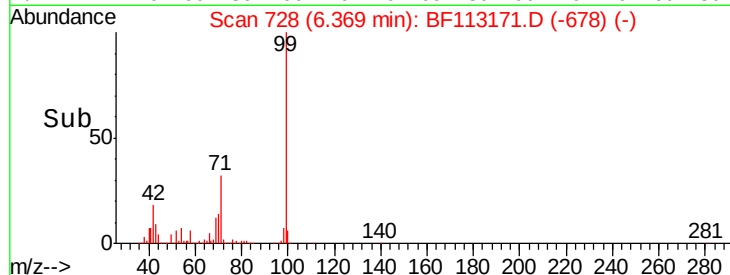
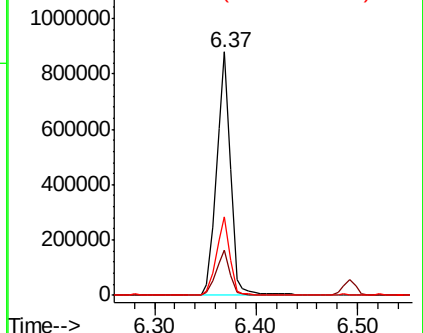
99 100

42 18.6 15.2 22.8

71 32.5 25.7 38.5



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.00 min

Lab File: BF113171.D

Acq: 20 Mar 2019 15:13

Tgt Ion: 136 Resp: 495494

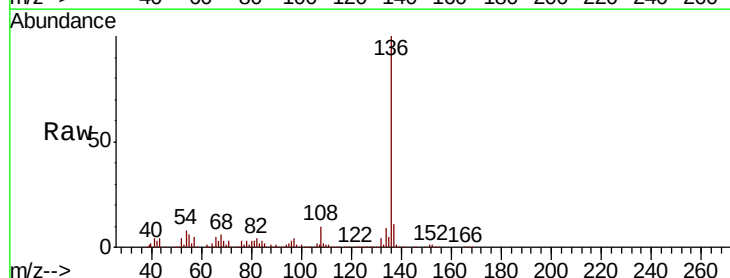
Ion Ratio Lower Upper

136 100

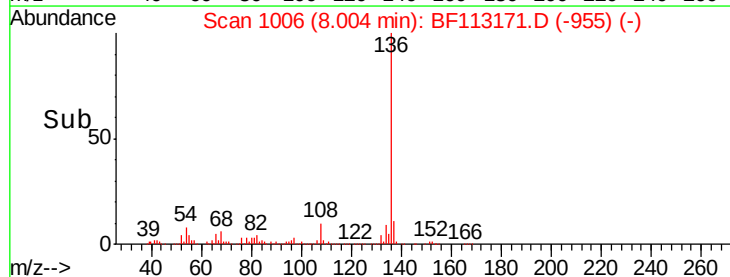
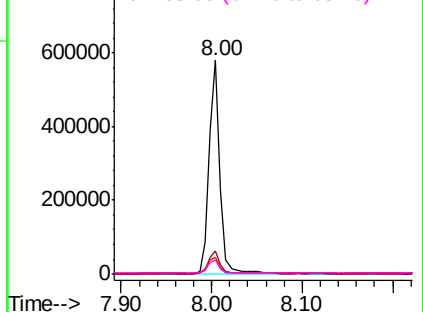
137 11.0 8.9 13.3

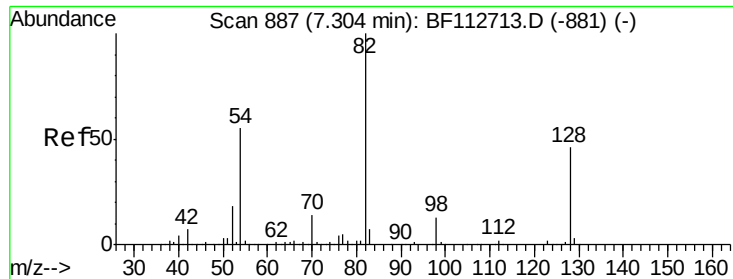
54 8.1 7.0 10.6

68 6.4 5.0 7.4



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

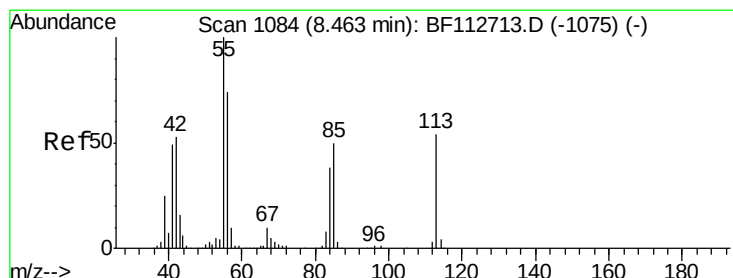
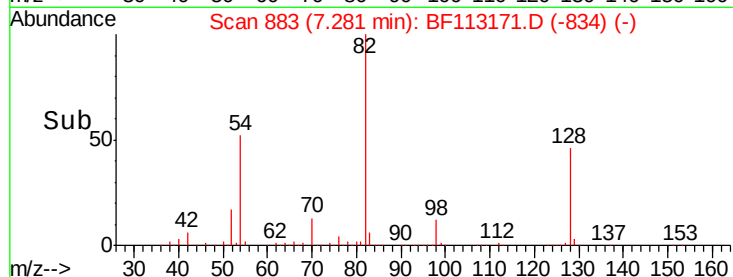
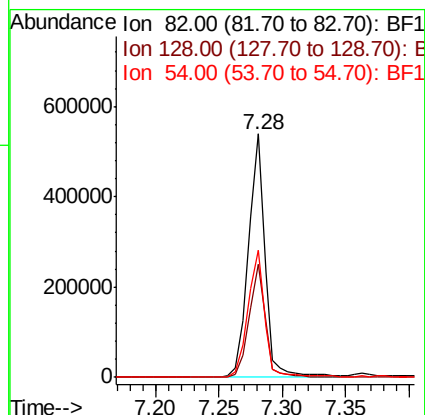
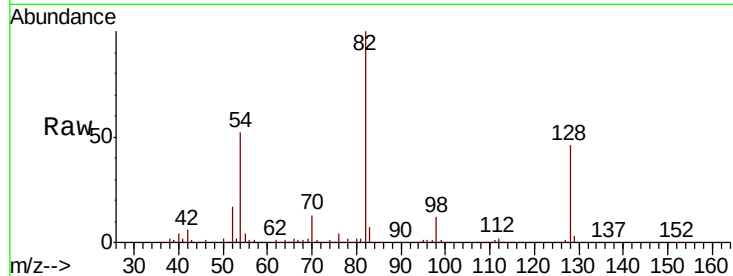




#23
Nitrobenzene-d5
Concen: 58.802 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

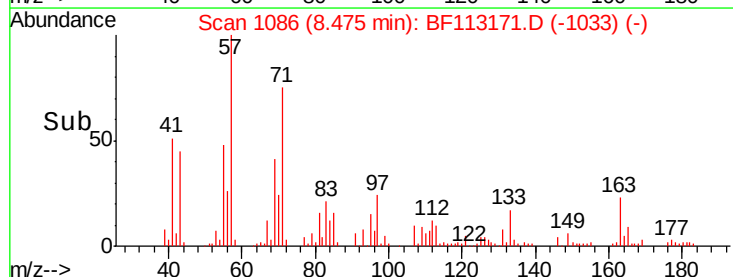
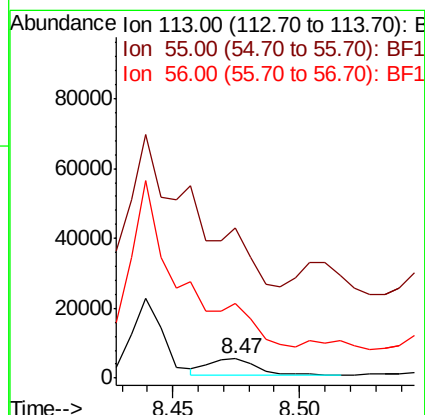
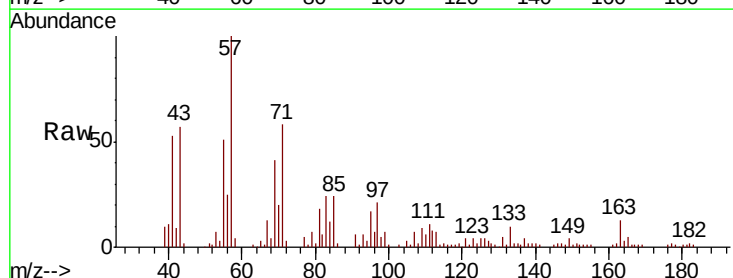
Instrument :
BNA_F
ClientSampleId :

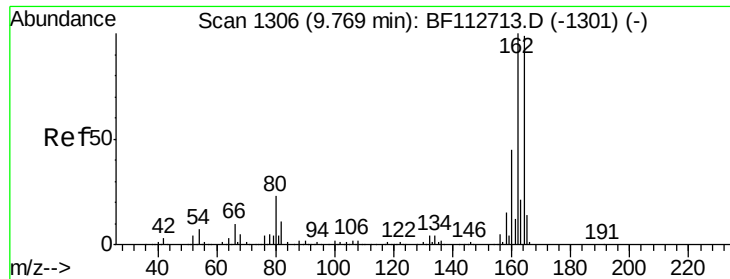
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.9	56.9
54	52.4	41.2	61.8



#35
Caprolactam
Concen: 2.610 ng
RT: 8.47 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
113	100		
55	774.3	159.2	199.2#
56	382.2	115.8	155.8#

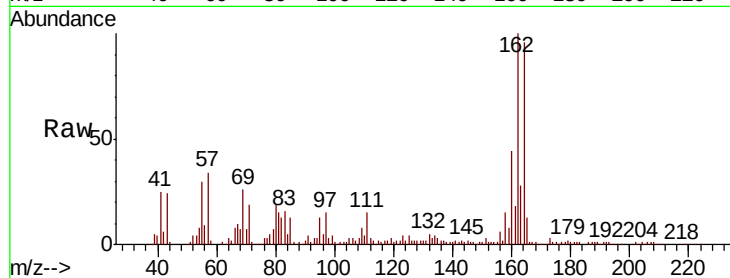




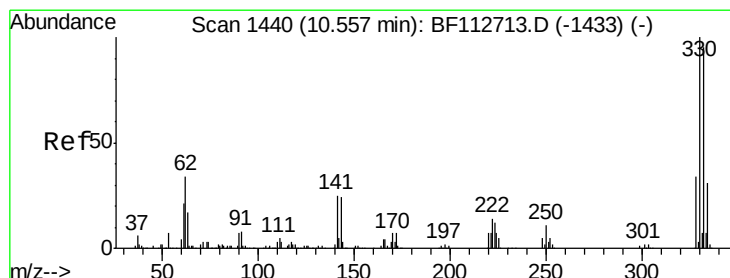
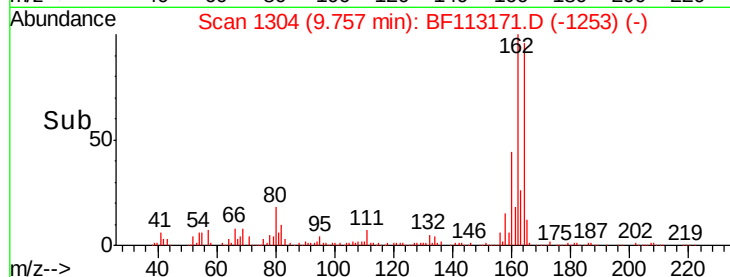
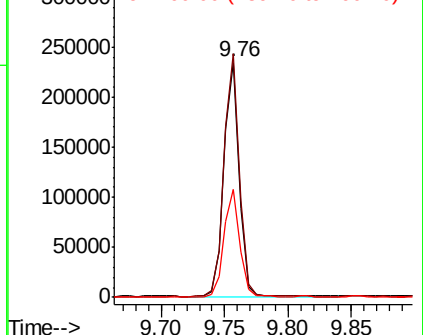
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.00 min
 Lab File: BF113171.D
 Acq: 20 Mar 2019 15:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 196366
 Ion Ratio Lower Upper
 164 100
 162 103.8 80.8 121.2
 160 45.9 36.2 54.2

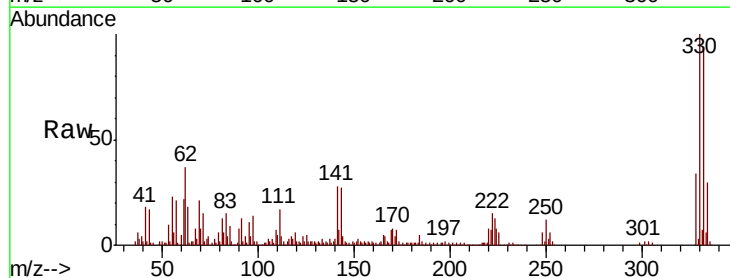


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

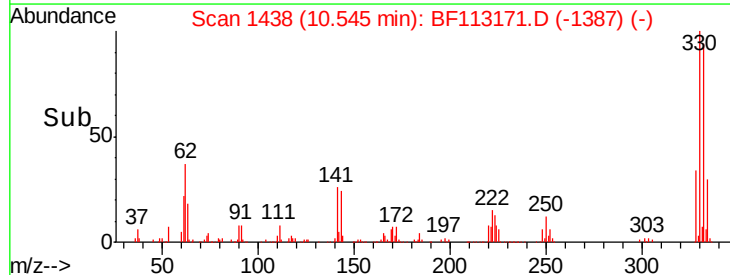
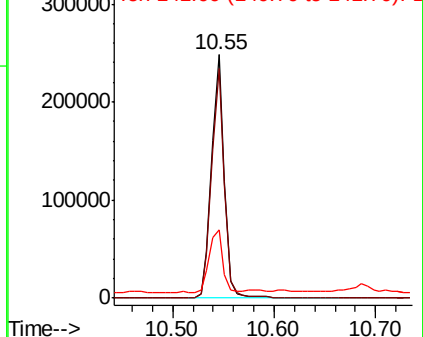


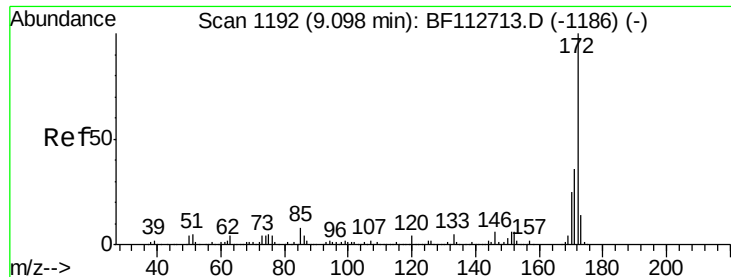
#42
 2,4,6-Tribromophenol
 Concen: 104.364 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF113171.D
 Acq: 20 Mar 2019 15:13

Tgt Ion:330 Resp: 217564
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.3 114.5
 141 28.5 22.3 33.5



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

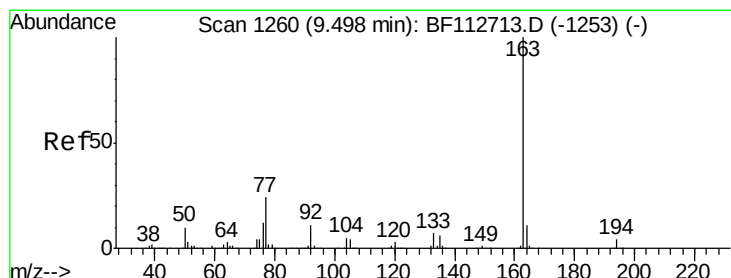
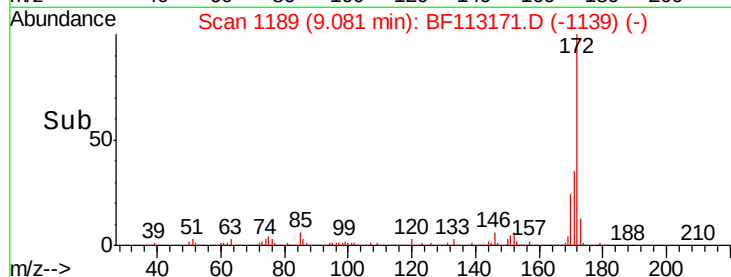
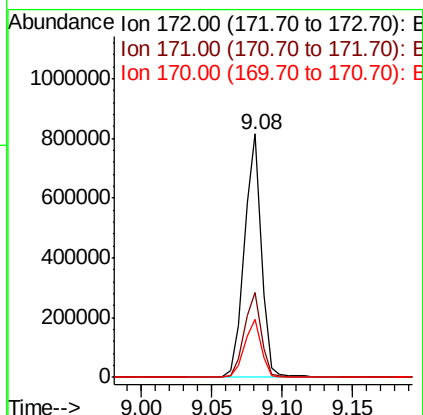
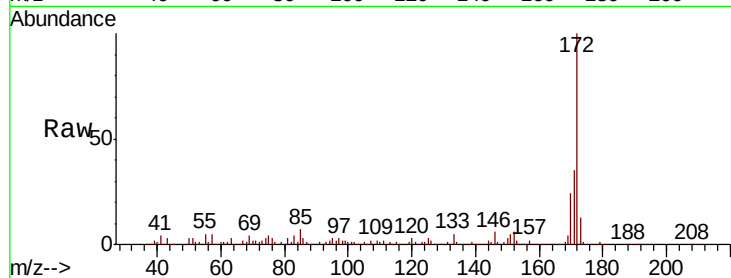




#45
2-Fluorobiphenyl
Concen: 52.120 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

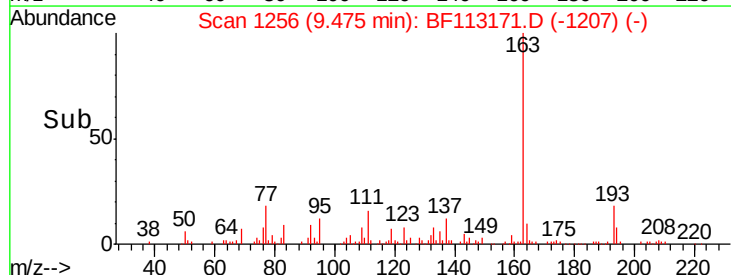
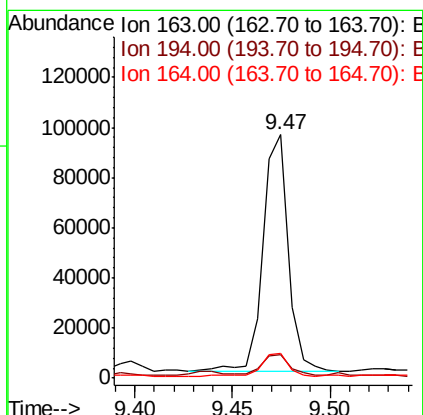
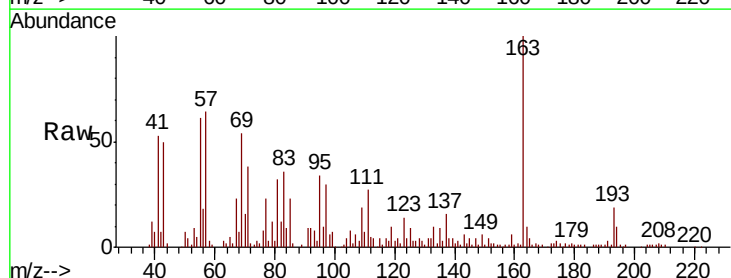
Instrument :
BNA_F
ClientSampleId :

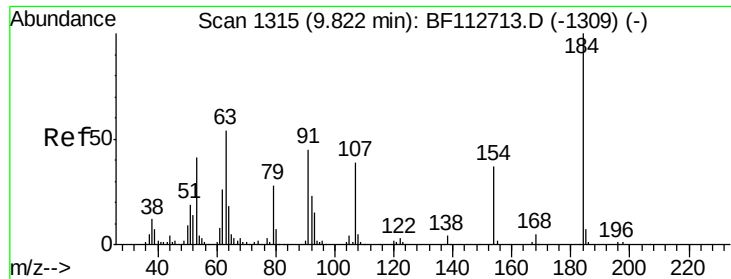
Tot Ion:172 Resp: 684408
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.4
170 23.9 20.1 30.1



#50
Dimethylphthalate
Concen: 5.921 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Tgt Ion:163 Resp: 85735
Ion Ratio Lower Upper
163 100
194 9.6 3.3 4.9#
164 10.2 8.6 12.8

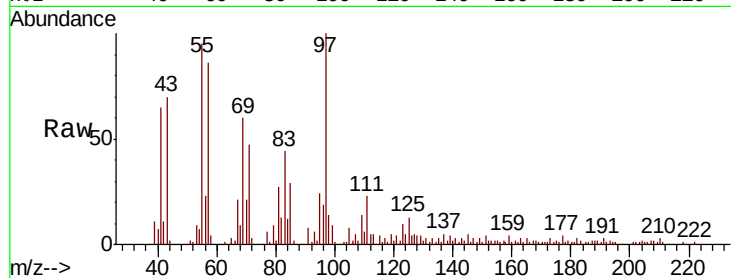




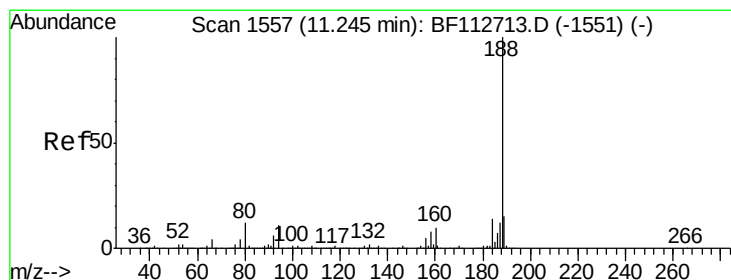
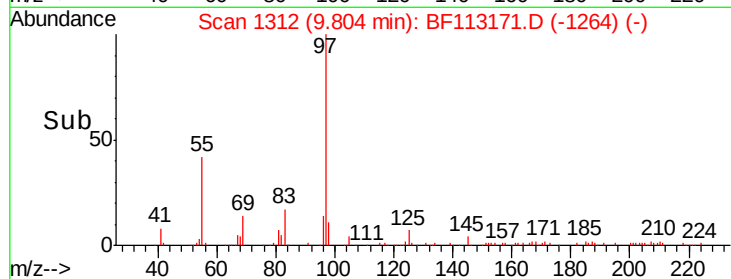
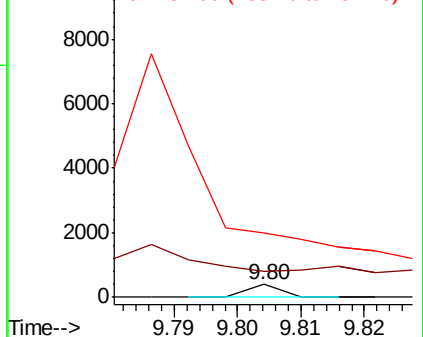
#54
2,4-Dinitrophenol
Concen: 6.557 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 139
Ion Ratio Lower Upper
184 100
63 203.1 52.1 78.1#
154 506.9 46.2 69.4#

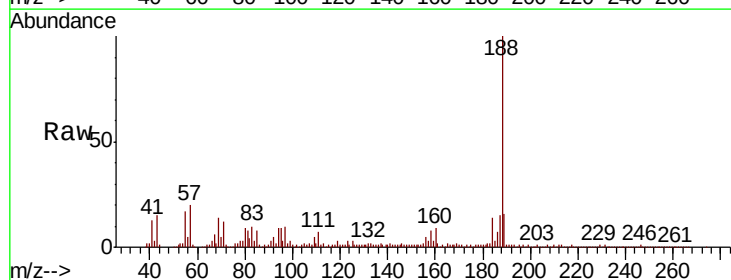


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

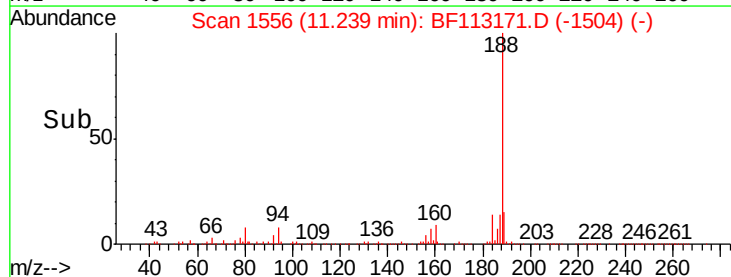
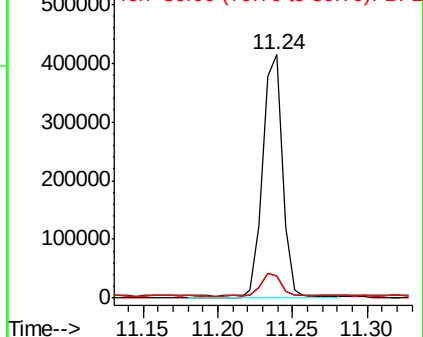


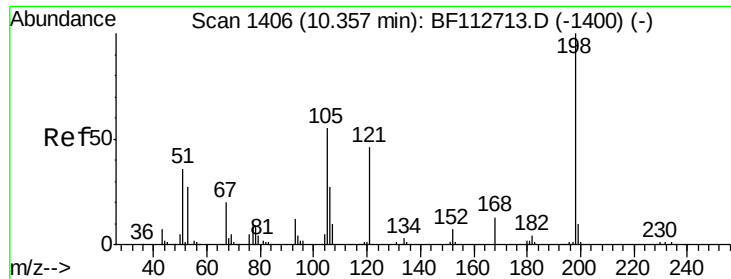
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Tgt Ion:188 Resp: 378918
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.3 7.9 11.9



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





#65

4,6-Dinitro-2-methylphenol

Concen: 4.786 ng

RT: 10.37 min Scan# 1408

Delta R.T. 0.01 min

Lab File: BF113171.D

Acq: 20 Mar 2019 15:13

Instrument :

BNA_F

ClientSampleId :

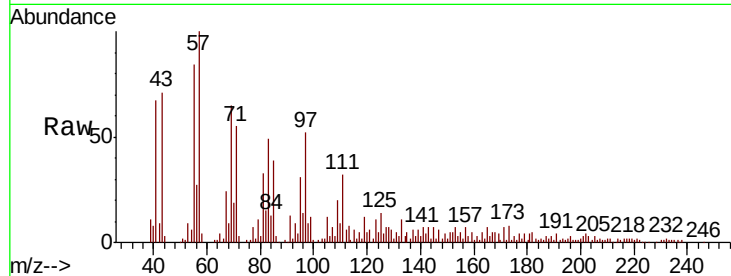
Tot Ion:198 Resp: 299

Ion Ratio Lower Upper

198 100

51 329.0 25.5 65.5#

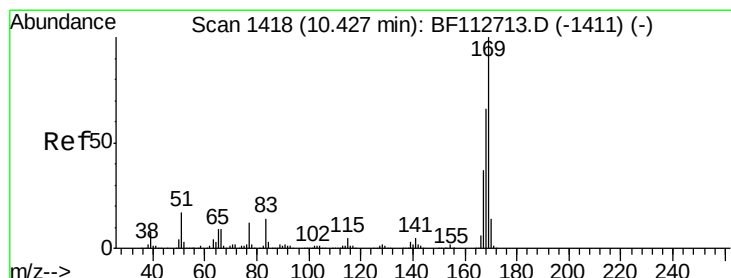
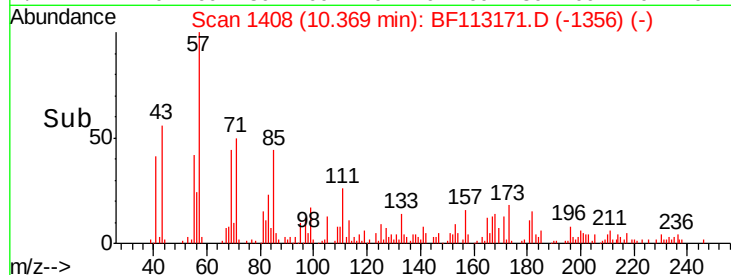
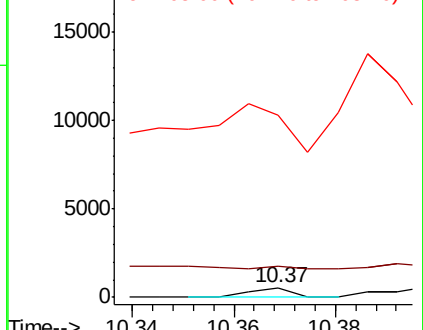
105 1936.3 23.2 63.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 2.271 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BF113171.D

Acq: 20 Mar 2019 15:13

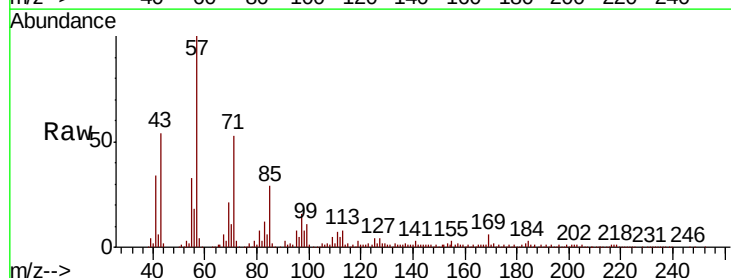
Tgt Ion:169 Resp: 27603

Ion Ratio Lower Upper

169 100

168 18.8 53.8 80.8#

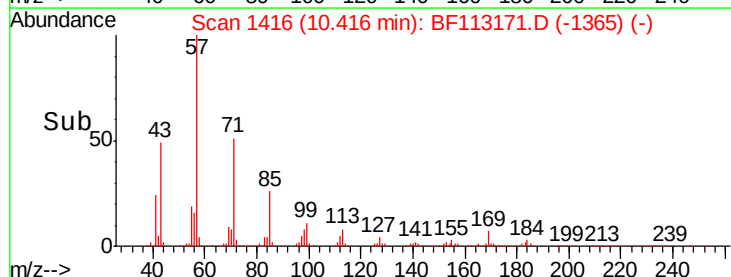
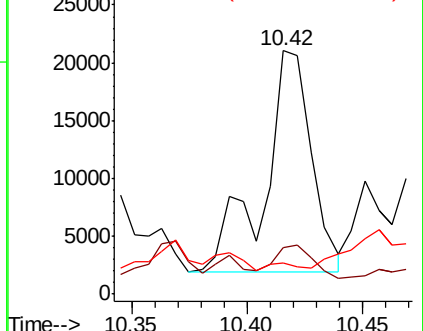
167 12.8 29.5 44.3#

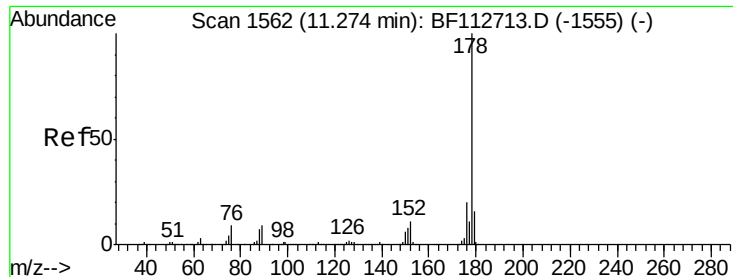


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 4.265 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113171.D

Acq: 20 Mar 2019 15:13

Instrument :

BNA_F

ClientSampled :

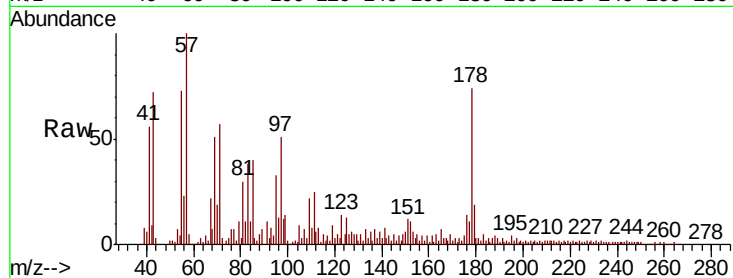
Tot Ion:178 Resp: 80406

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

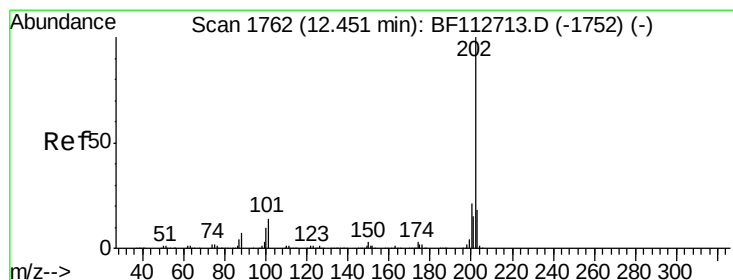
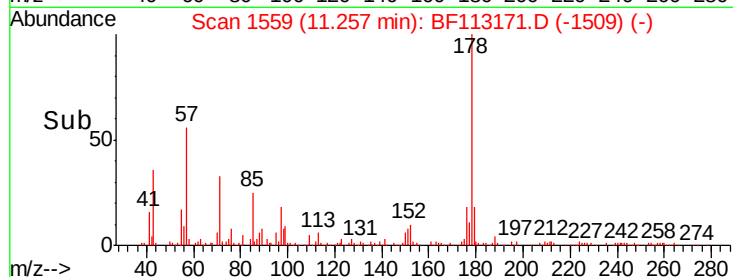
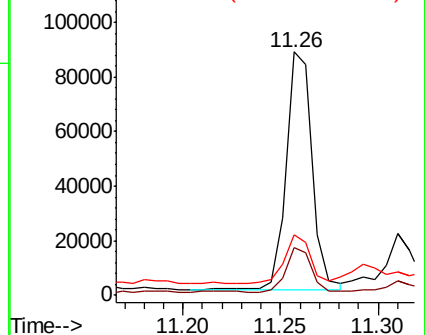
179 25.0 13.0 19.4#



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: 5.157 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.00 min

Lab File: BF113171.D

Acq: 20 Mar 2019 15:13

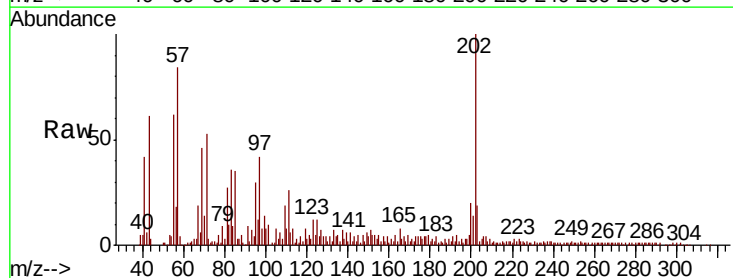
Tgt Ion:202 Resp: 104157

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.9

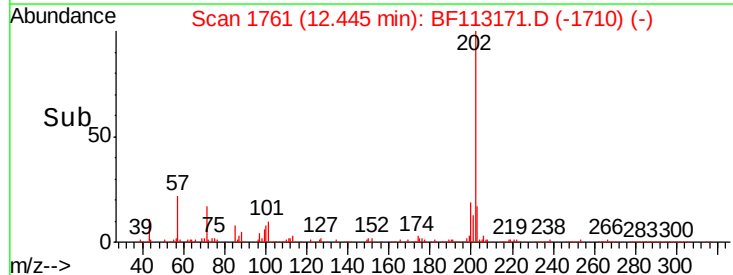
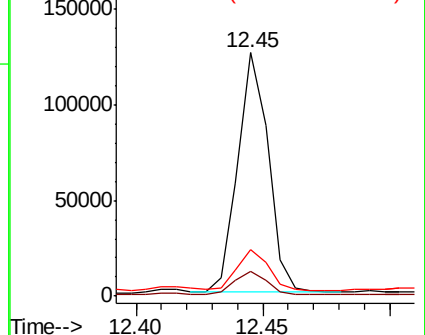
203 18.9 0.0 38.4

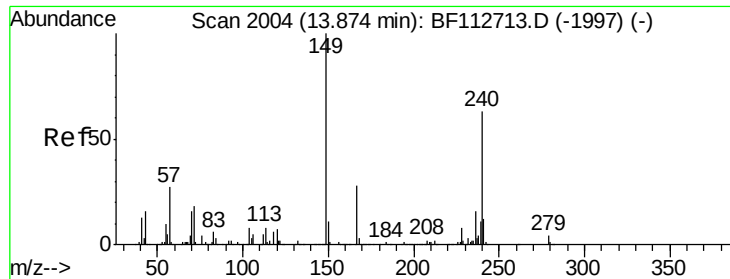


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

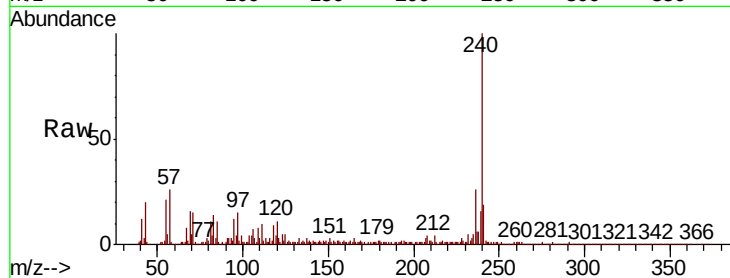




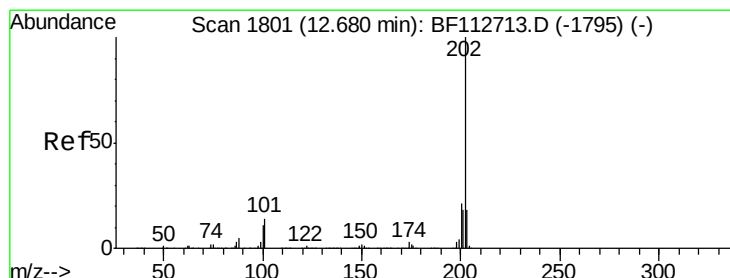
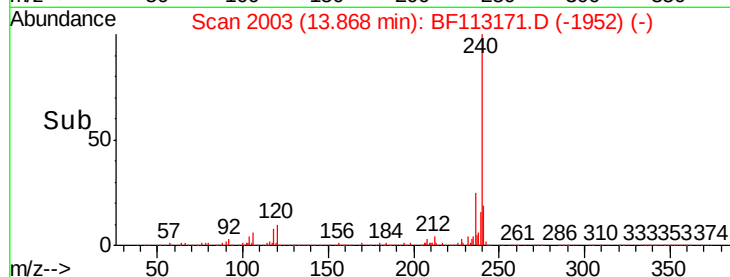
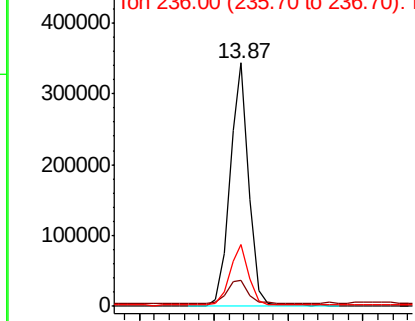
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 302705
Ion Ratio Lower Upper
240 100
120 10.8 8.6 12.8
236 25.7 21.2 31.8

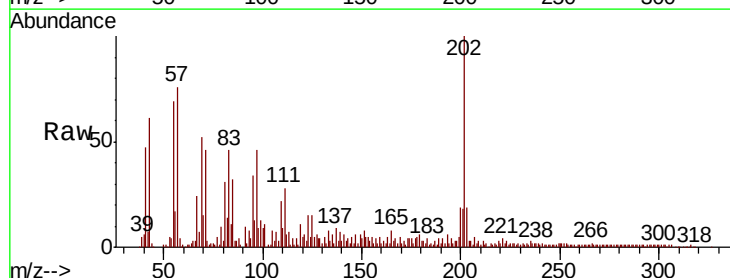


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

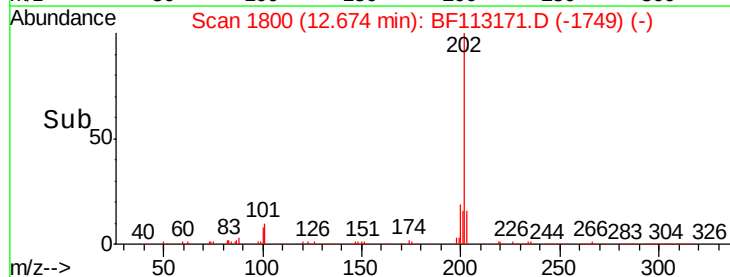
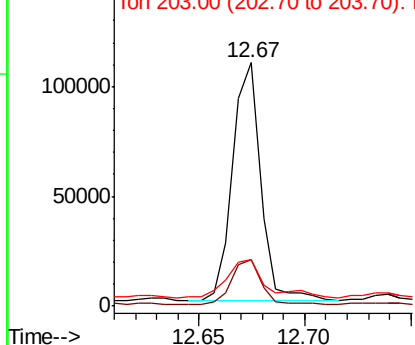


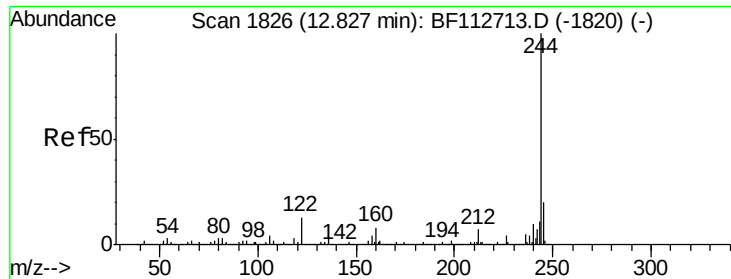
#78
Pyrene
Concen: 3.936 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Tgt Ion:202 Resp: 100452
Ion Ratio Lower Upper
202 100
200 19.3 17.1 25.7
203 18.9 14.6 21.8



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

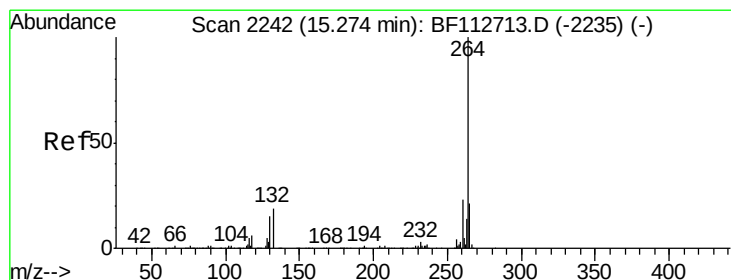
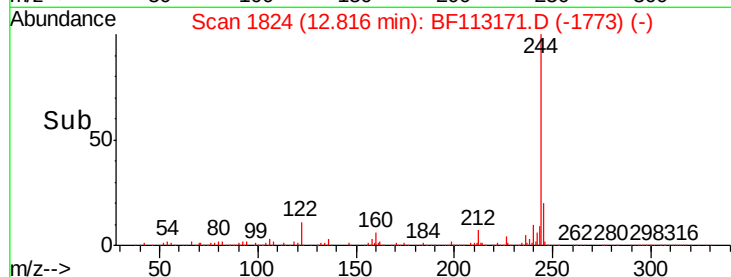
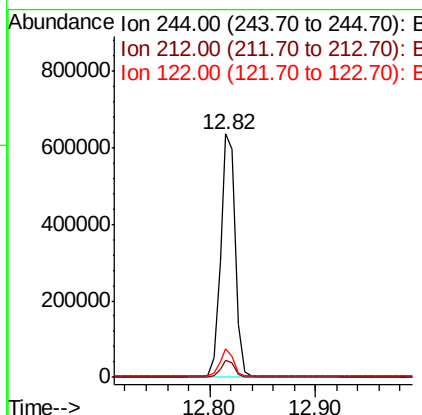
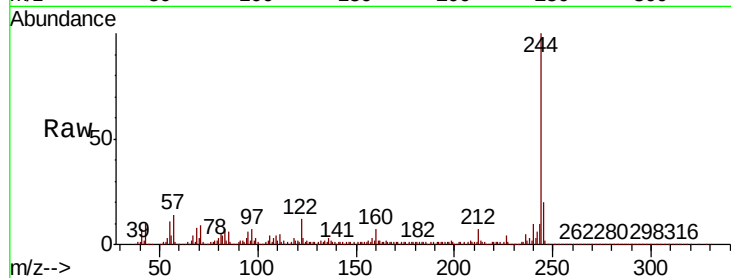




#79
 Terphenyl-d14
 Concen: 39.659 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF113171.D
 Acq: 20 Mar 2019 15:13

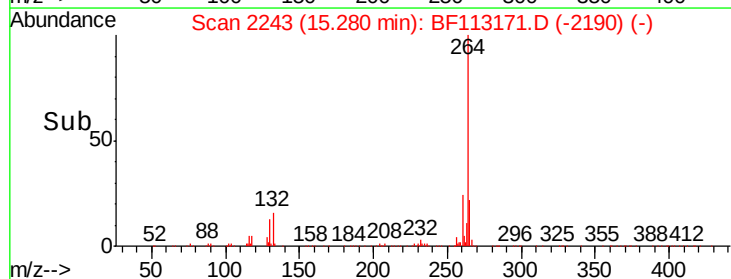
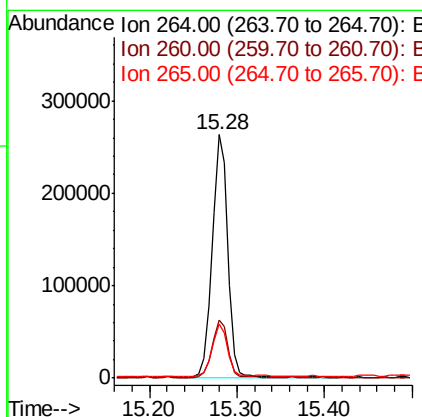
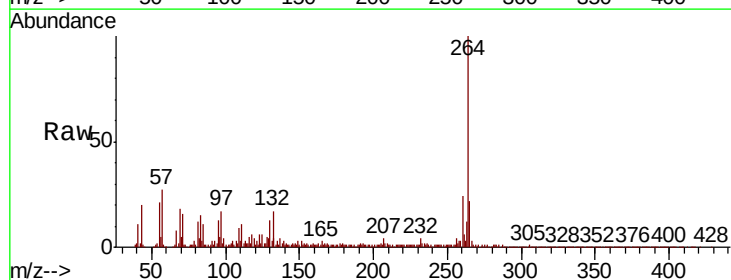
Instrument :
 BNA_F
 ClientSampleId :

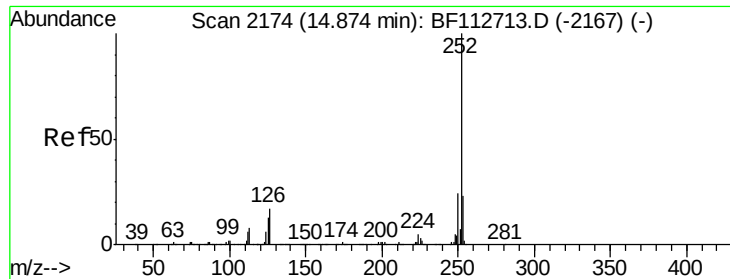
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.7	9.4	14.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. 0.01 min
 Lab File: BF113171.D
 Acq: 20 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.7	26.5

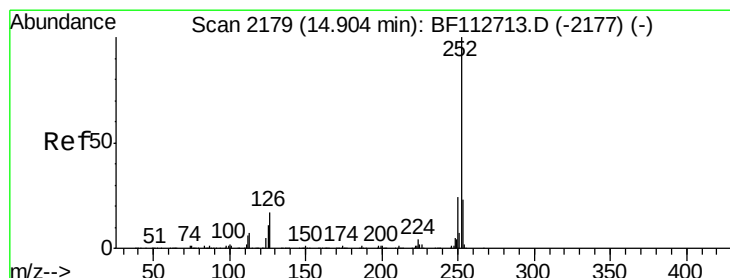
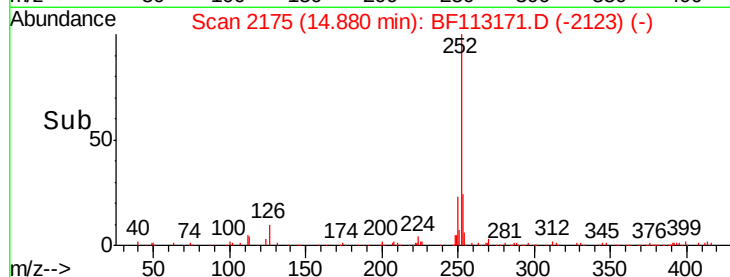
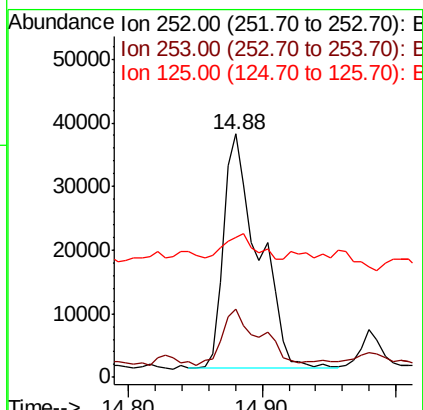
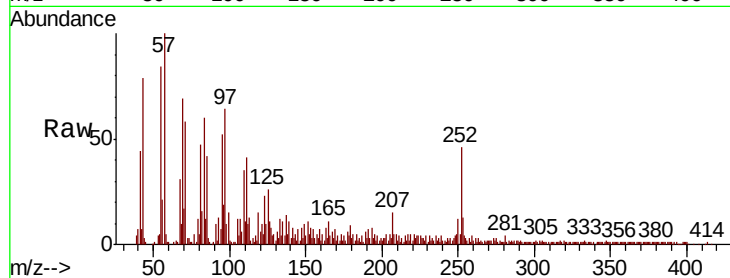




#88
Benzo(b)fluoranthene
Concen: 3.201 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.2	27.4#
125	57.4	8.0	12.0#



#89
Benzo(k)fluoranthene
Concen: 3.534 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113171.D
Acq: 20 Mar 2019 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.9	26.9#
125	57.4	8.2	12.2#

