

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111929.D
 Acq On : 9 Jan 2019 1:18
 Operator : JU/SJ
 Sample : K1075-15 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 01:52:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

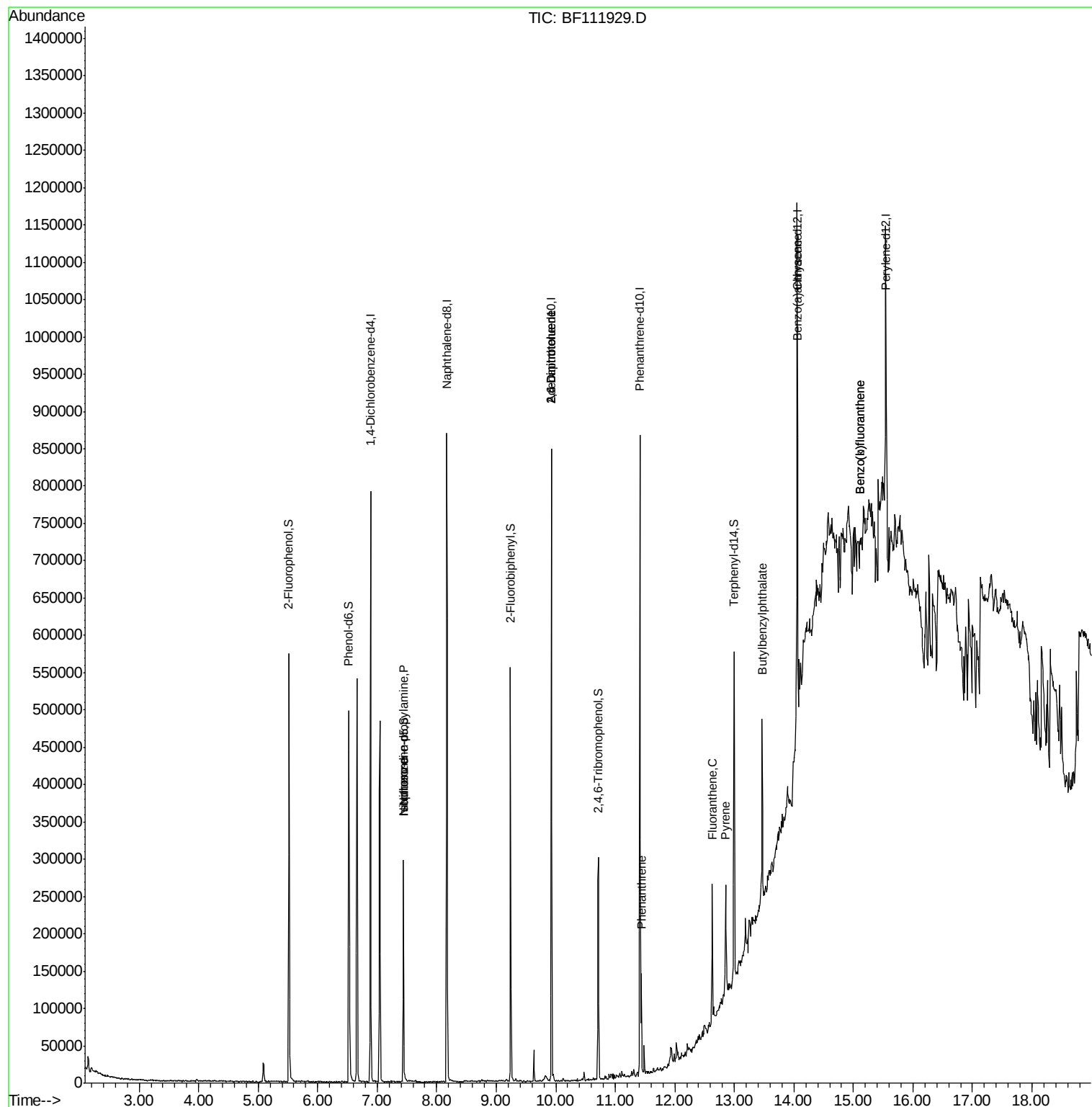
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	108075	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	366904	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	154541	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	307714	20.00	ng	0.00
76) Chrysene-d12	14.06	240	223604	20.00	ng	0.00
87) Perylene-d12	15.54	264	194577	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	147353	23.33	ng	0.00
7) Phenol-d6	6.52	99	161210	19.80	ng	-0.01
23) Nitrobenzene-d5	7.44	82	85670	12.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	35944	17.88	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	178060	16.80	ng	-0.01
79) Terphenyl-d14	13.00	244	155393	13.19	ng	0.00
Target Compounds						
9) Benzaldehyde	6.52	77	277	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.44	70	11382	2.152 ng	#	82
25) Isophorone	7.44	82	85668	7.706 ng	#	65
51) 2,6-Dinitrotoluene	9.93	165	19764	7.613 ng	#	25
57) 2,4-Dinitrotoluene	9.93	165	19764	5.892 ng	#	26
71) Phenanthrene	11.44	178	47889	2.911 ng		96
75) Fluoranthene	12.63	202	69498	4.115 ng		98
78) Pyrene	12.86	202	56623	3.680 ng		98
80) Butylbenzylphthalate	13.47	149	51882	7.976 ng		99
81) Benzo(a)anthracene	14.04	228	27490	2.136 ng	#	96
88) Benzo(b)fluoranthene	15.11	252	31385	2.696 ng	#	66
89) Benzo(k)fluoranthene	15.11	252	31385	2.869 ng	#	67

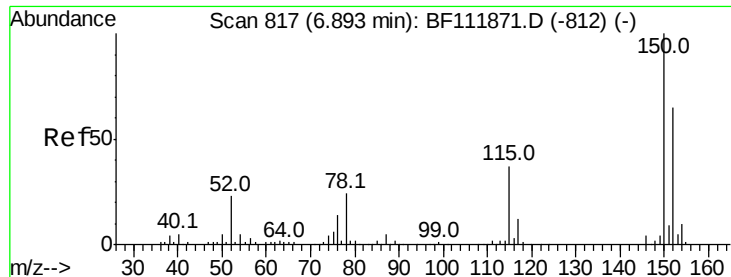
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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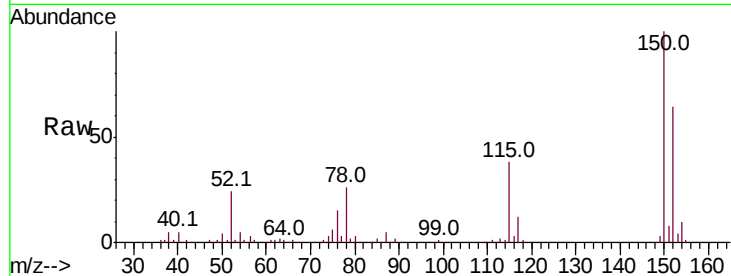


#1

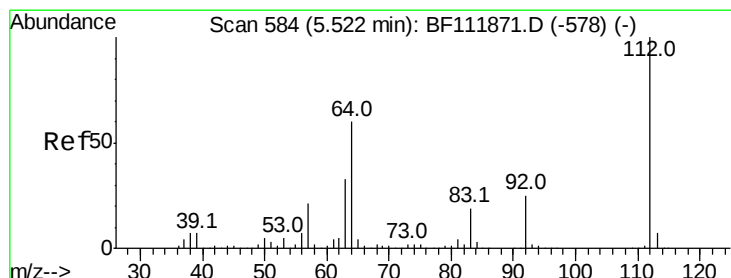
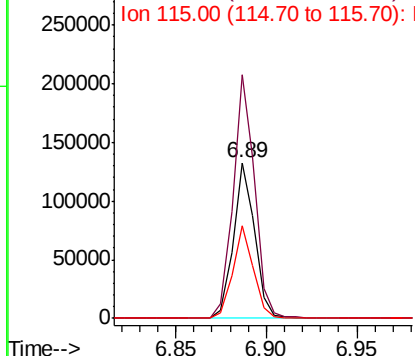
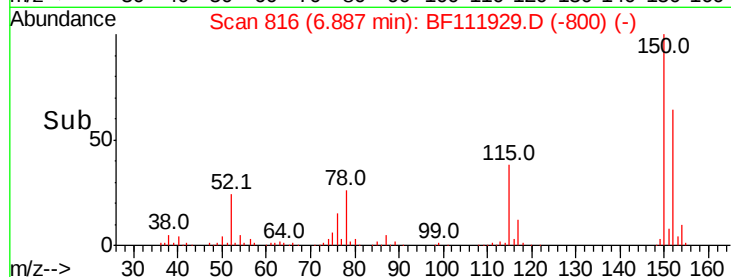
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108075
Ion Ratio Lower Upper
152 100
150 156.1 122.7 184.1
115 59.3 45.2 67.8



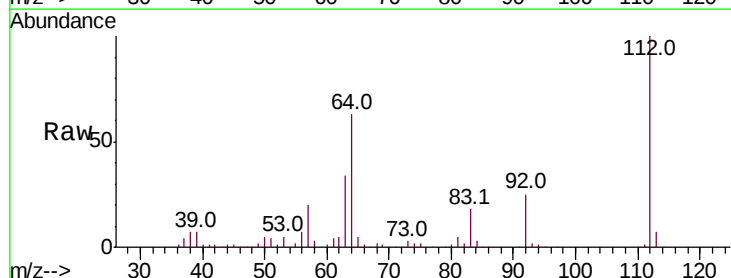
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



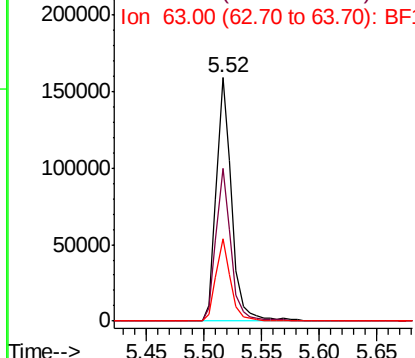
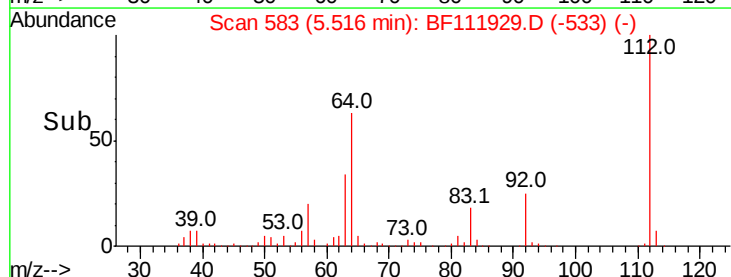
#5

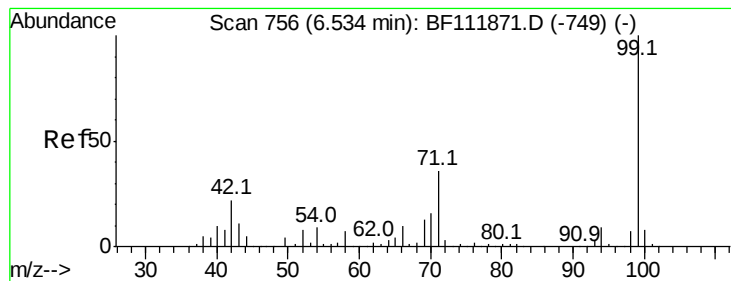
2-Fluorophenol
Concen: 23.326 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

Tgt Ion:112 Resp: 147353
Ion Ratio Lower Upper
112 100
64 62.6 48.3 72.5
63 33.6 26.1 39.1



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: 19.800 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Instrument :

BNA_F

ClientSampleId :

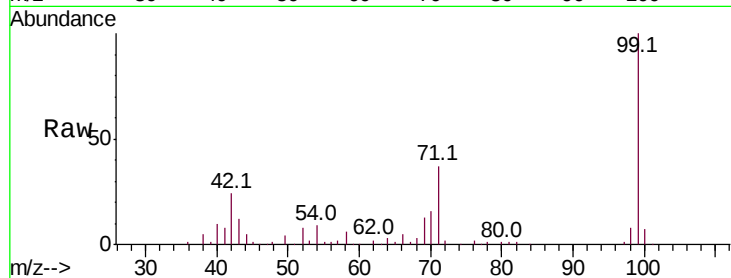
Tot Ion: 99 Resp: 161210

Ion Ratio Lower Upper

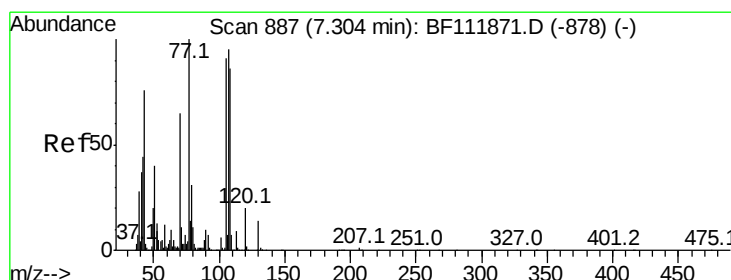
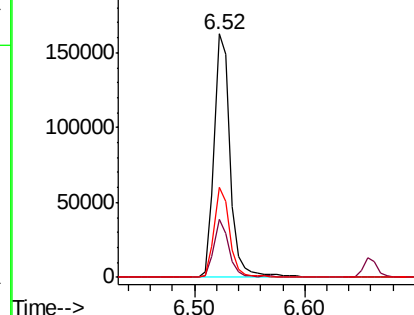
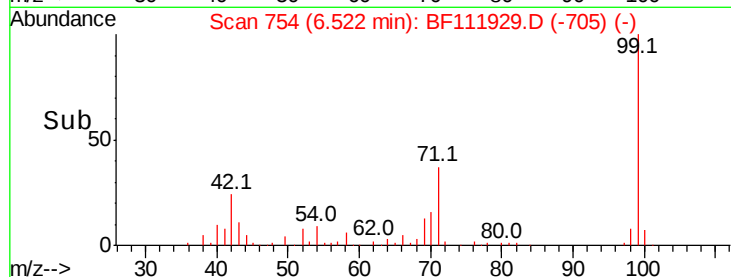
99 100

42 23.6 17.9 26.9

71 37.0 28.7 43.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.152 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Tgt Ion: 70 Resp: 11382

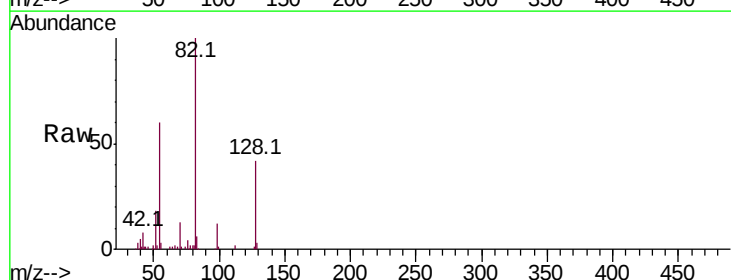
Ion Ratio Lower Upper

70 100

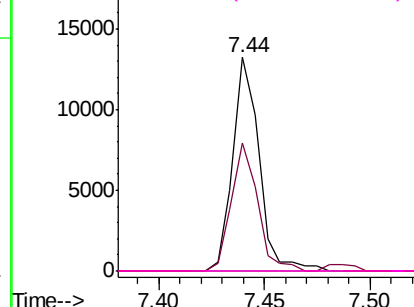
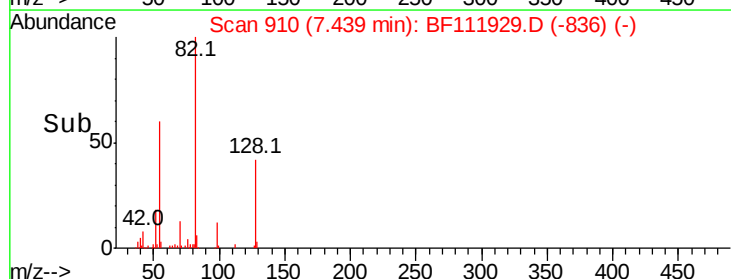
42 60.2 53.6 80.4

101 0.0 7.3 10.9#

130 0.0 16.8 25.2#



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: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 366904

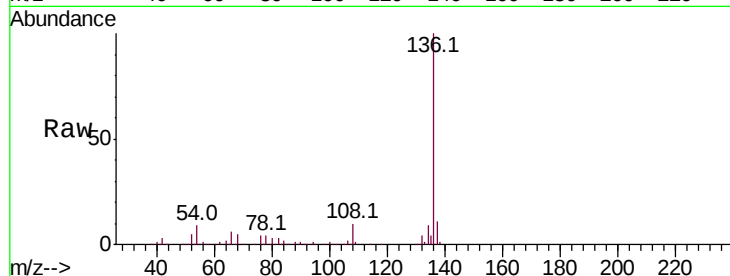
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.0 7.2 10.8

68 5.1 4.4 6.6

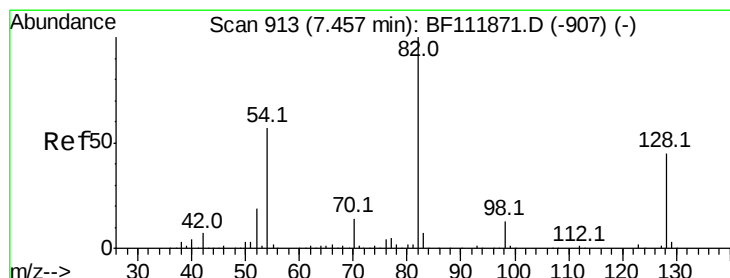
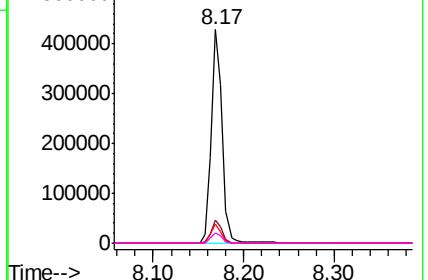
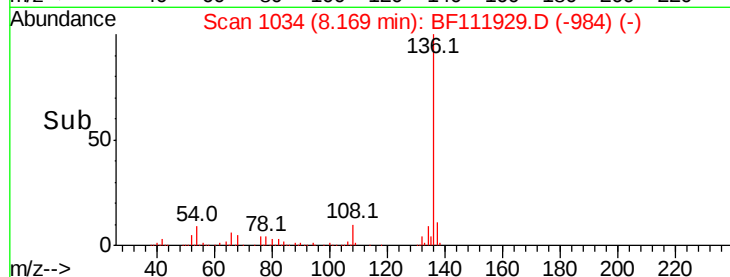


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.479 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

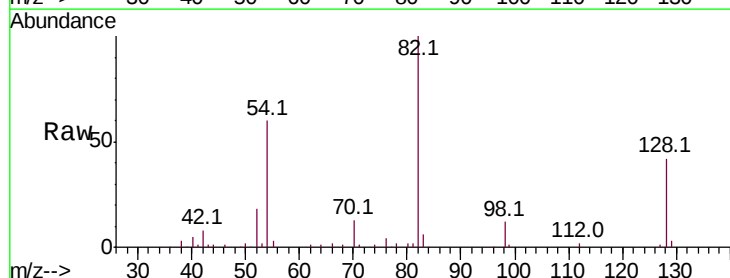
Tgt Ion: 82 Resp: 85670

Ion Ratio Lower Upper

82 100

128 41.8 35.7 53.5

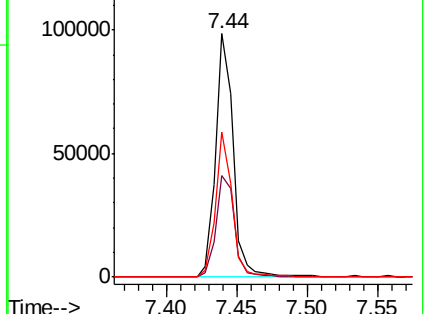
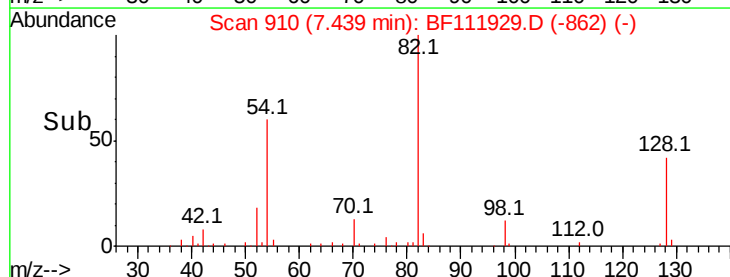
54 59.5 45.8 68.8

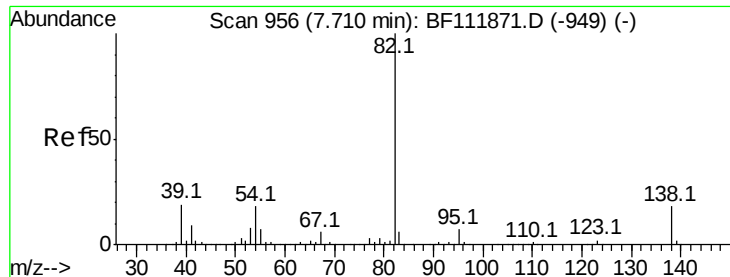


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.706 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Instrument :

BNA_F

ClientSampleId :

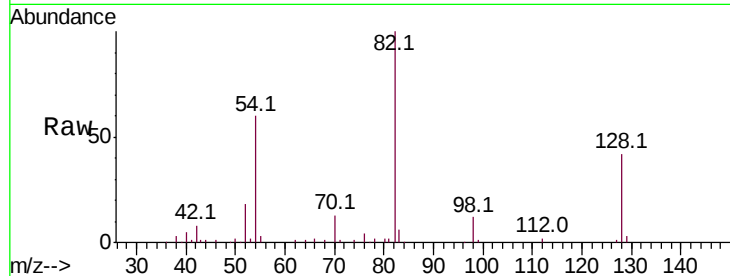
Tot Ion: 82 Resp: 85668

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

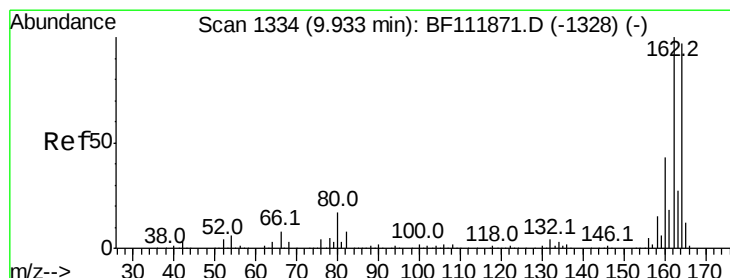
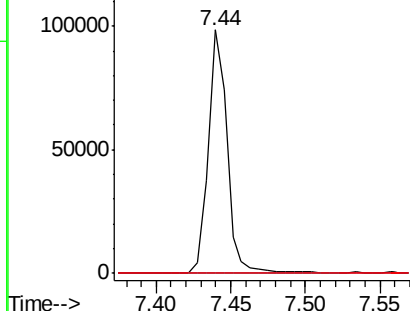
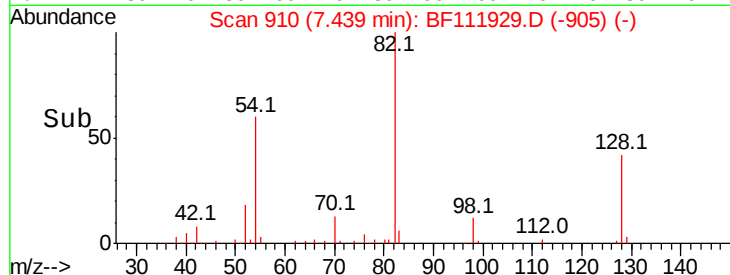
138 0.0 14.4 21.6#



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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

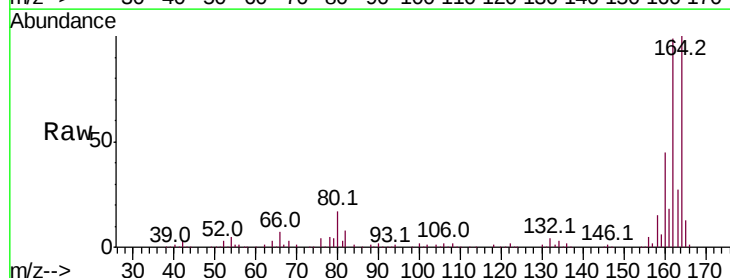
Tgt Ion:164 Resp: 154541

Ion Ratio Lower Upper

164 100

162 98.6 82.2 123.2

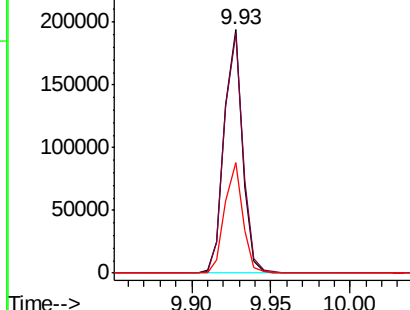
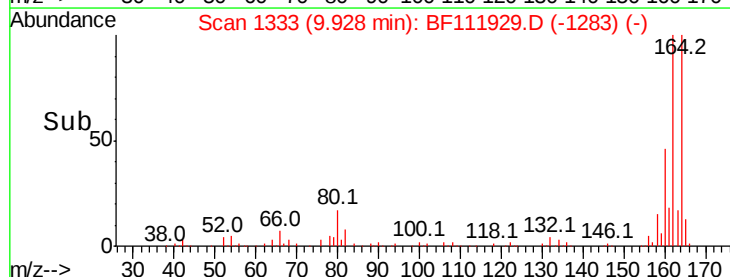
160 45.3 35.5 53.3

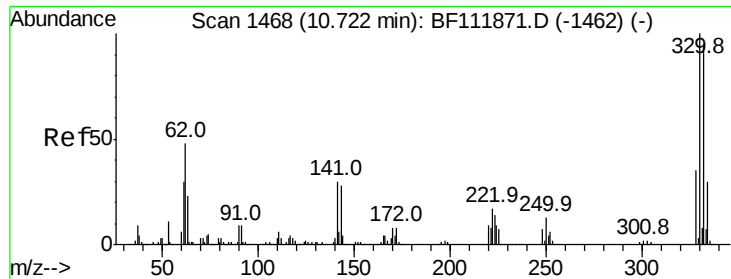


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

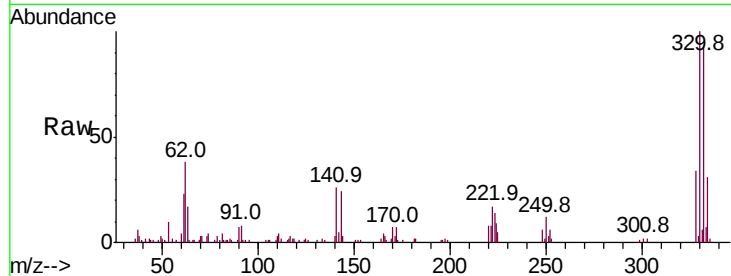




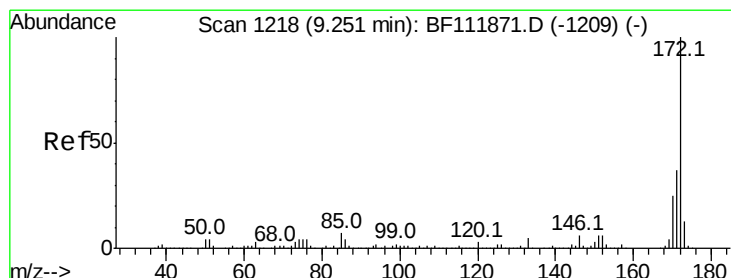
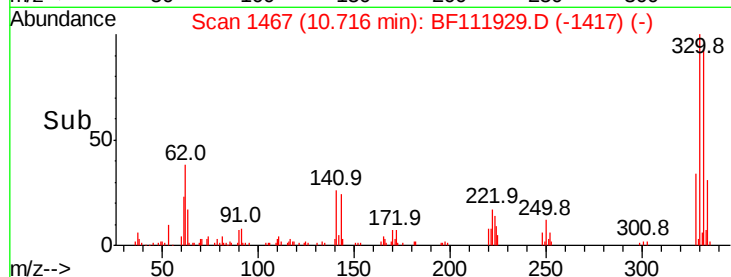
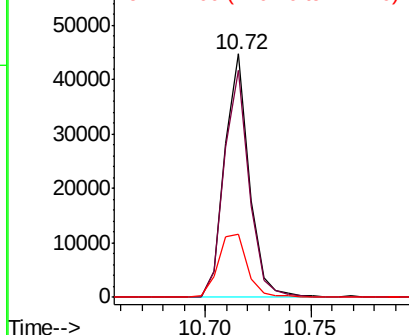
#42
 2,4,6-Tribromophenol
 Concen: 17.882 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111929.D
 Acq: 9 Jan 2019 1:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 35944
 Ion Ratio Lower Upper
 330 100
 332 94.3 76.9 115.3
 141 31.2 23.7 35.5

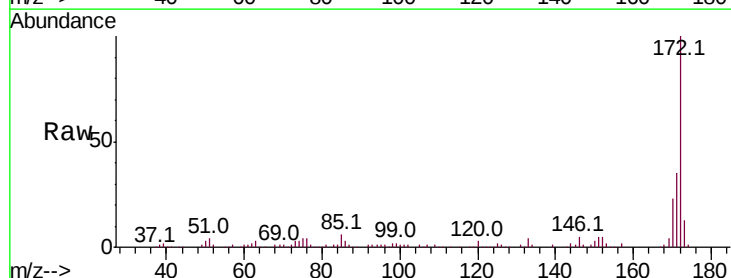


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

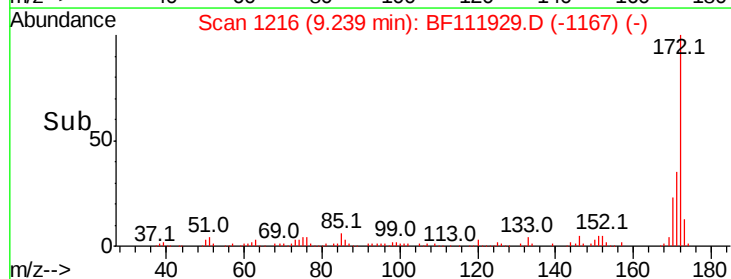
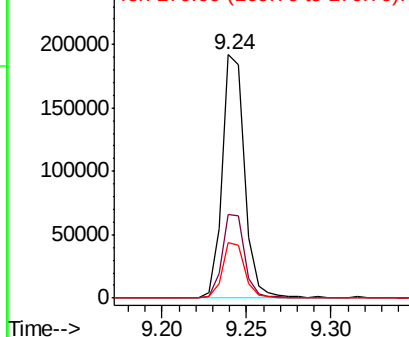


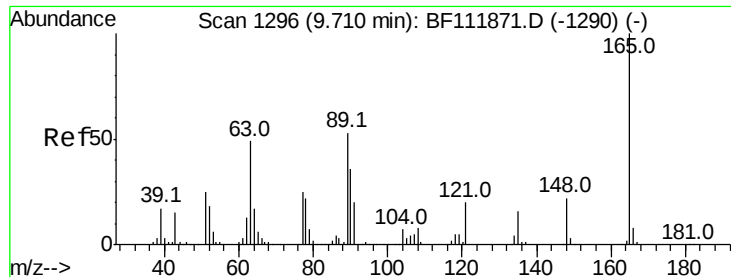
#45
 2-Fluorobiphenyl
 Concen: 16.801 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF111929.D
 Acq: 9 Jan 2019 1:18

Tgt Ion:172 Resp: 178060
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 22.9 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

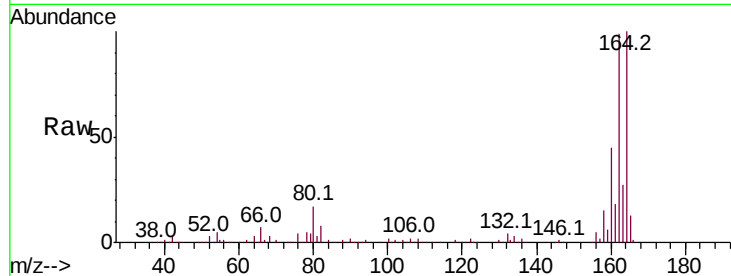




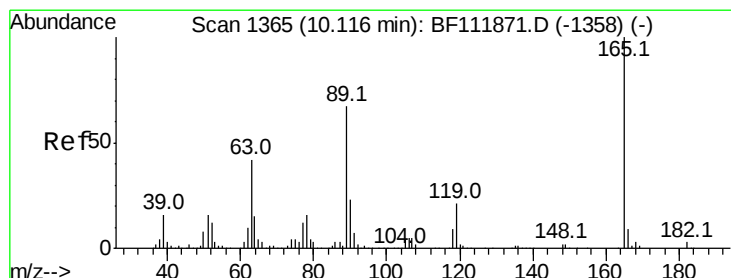
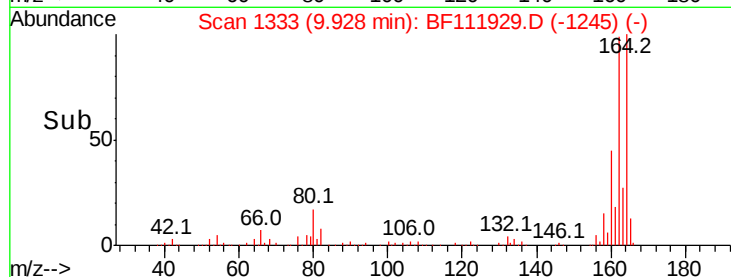
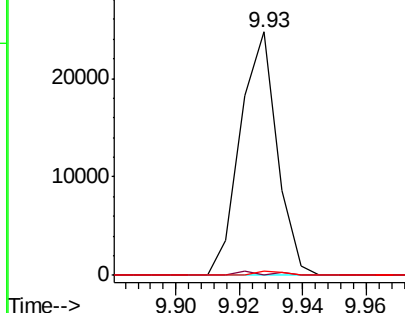
#51
 2,6-Dinitrotoluene
 Concen: 7.613 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. 0.22 min
 Lab File: BF111929.D
 Acq: 9 Jan 2019 1:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.2	69.2#
89	1.8	42.2	63.2#



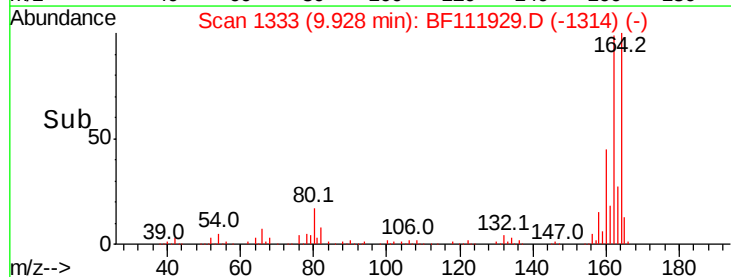
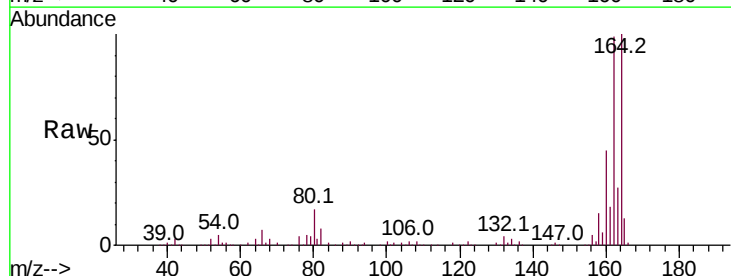
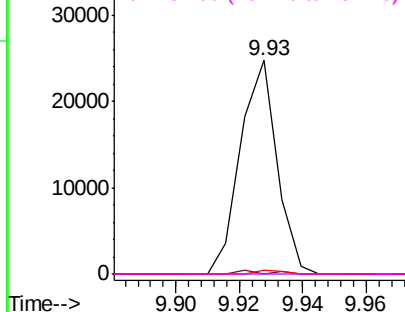
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

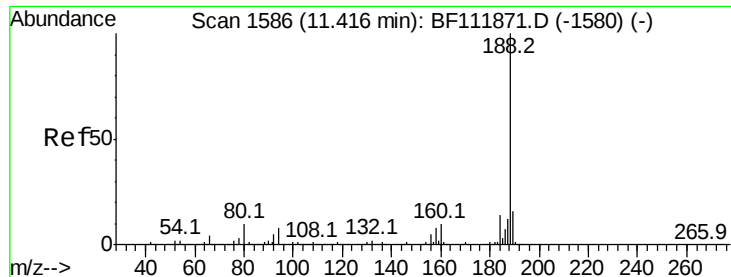


#57
 2,4-Dinitrotoluene
 Concen: 5.892 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF111929.D
 Acq: 9 Jan 2019 1:18

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.1	51.1#
89	1.8	53.5	80.3#
182	0.0	2.0	3.0#

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

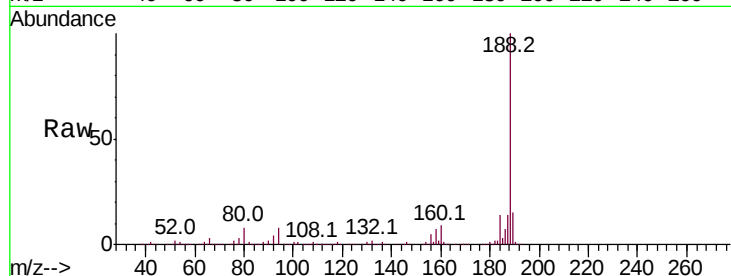




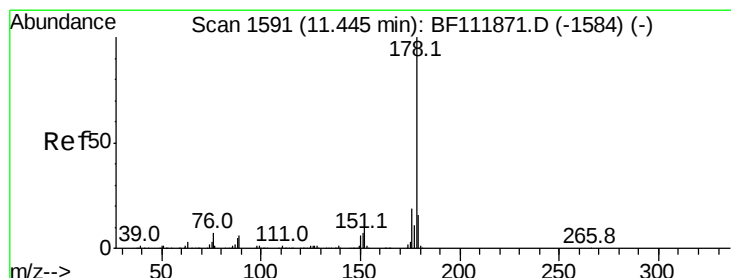
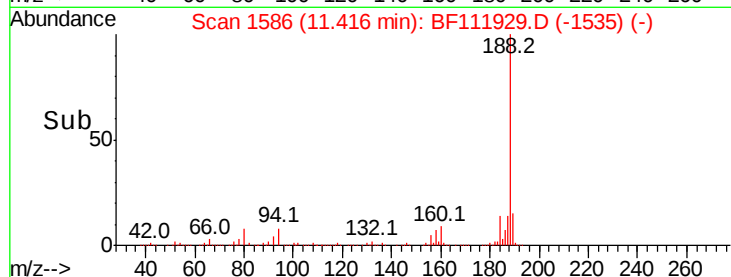
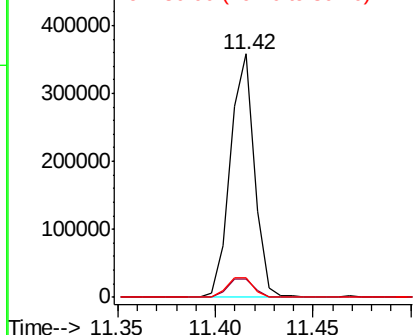
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 307714
Ion Ratio Lower Upper
188 100
94 7.6 6.6 10.0
80 8.3 7.7 11.5

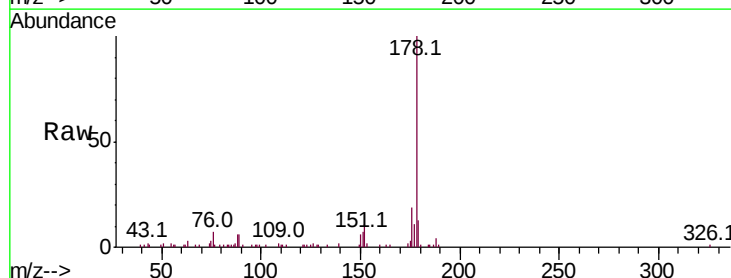


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

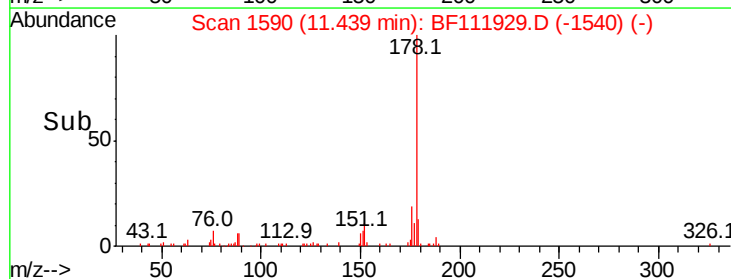
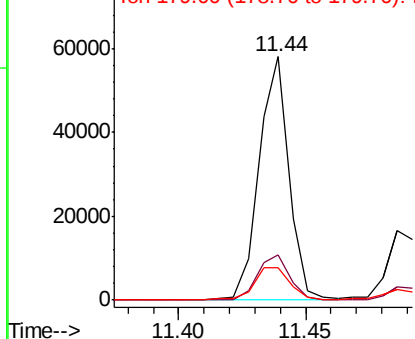


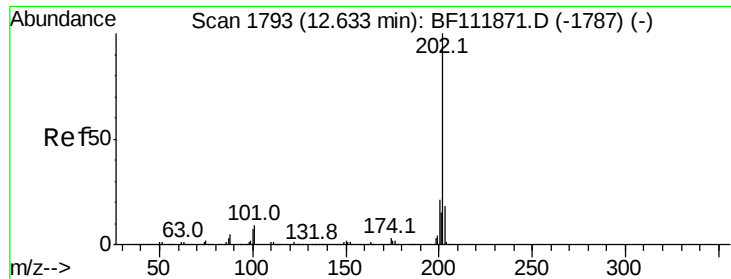
#71
Phenanthrene
Concen: 2.911 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

Tgt Ion:178 Resp: 47889
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 13.2 12.6 18.8



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: 4.115 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Instrument :

BNA_F

ClientSampleId :

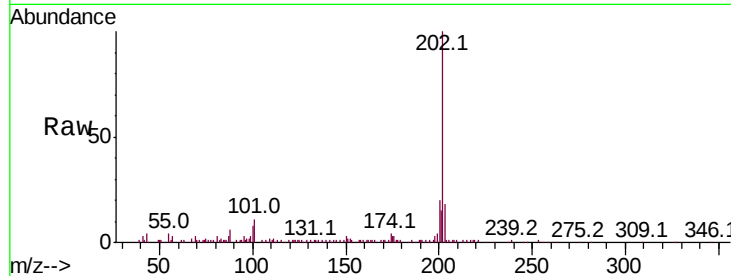
Tot Ion:202 Resp: 69498

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.3

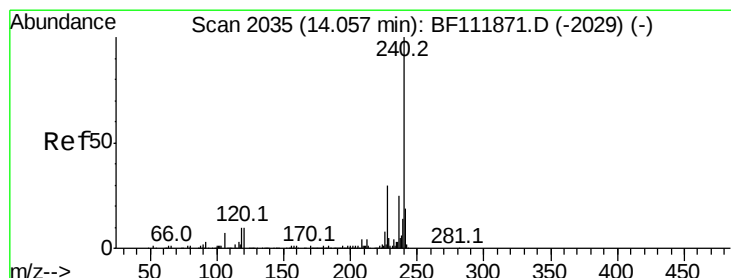
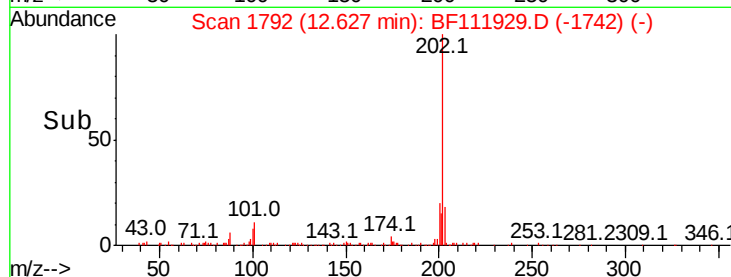
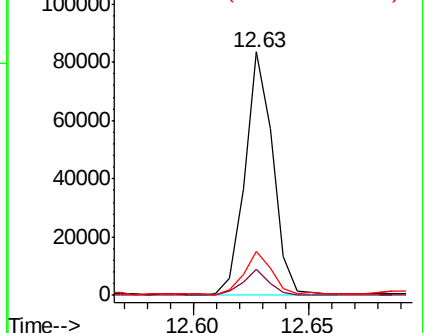
203 17.9 0.0 37.6



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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

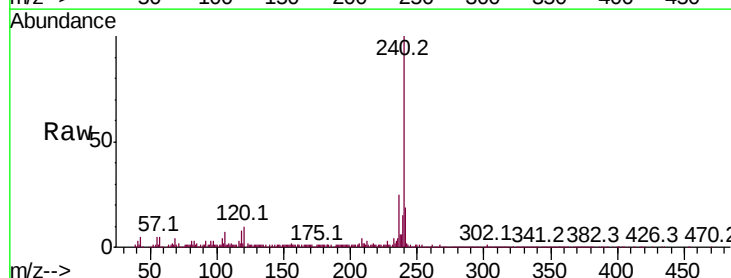
Tgt Ion:240 Resp: 223604

Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

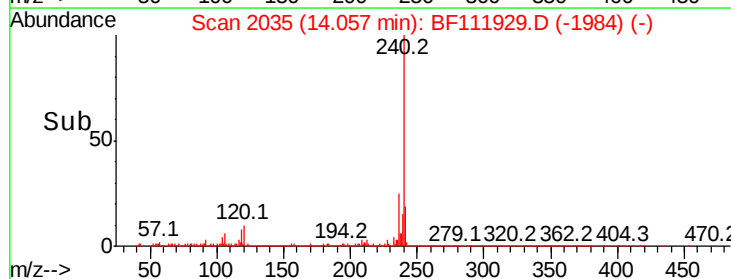
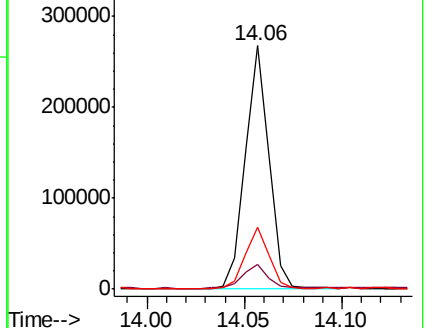
236 25.5 20.2 30.4

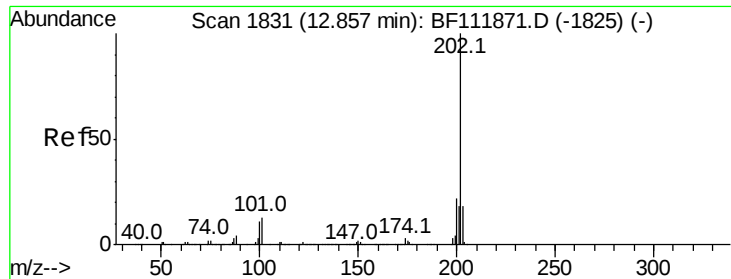


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

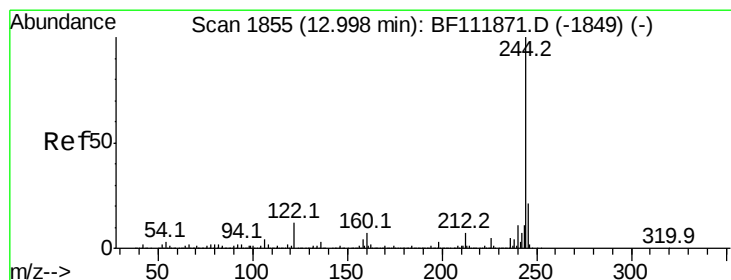
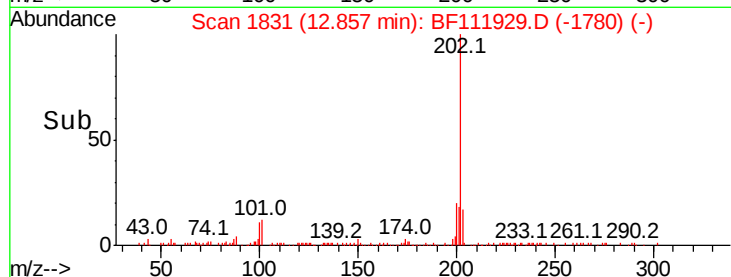
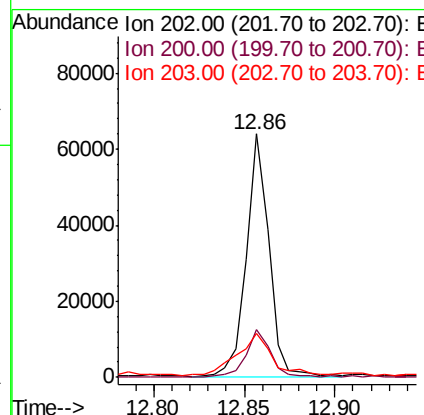
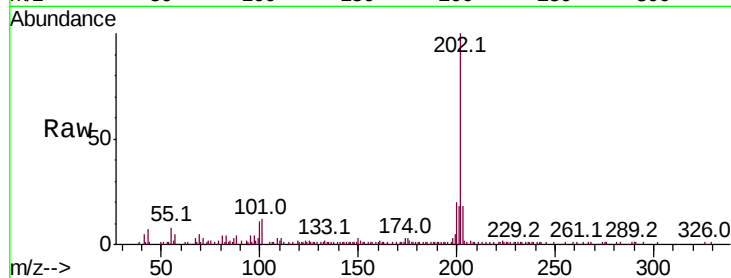




#78
Pvrene
Concen: 3.680 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

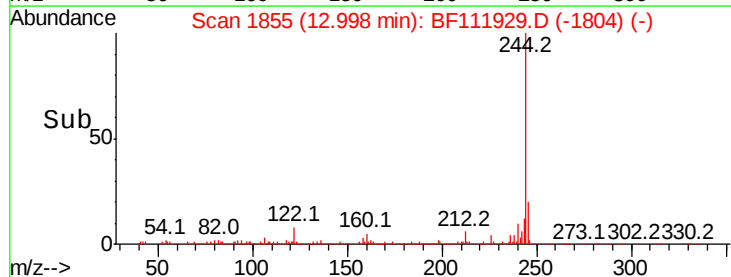
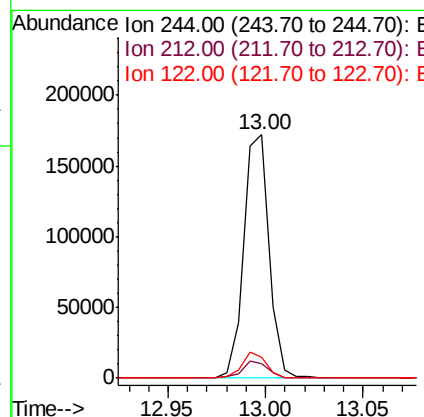
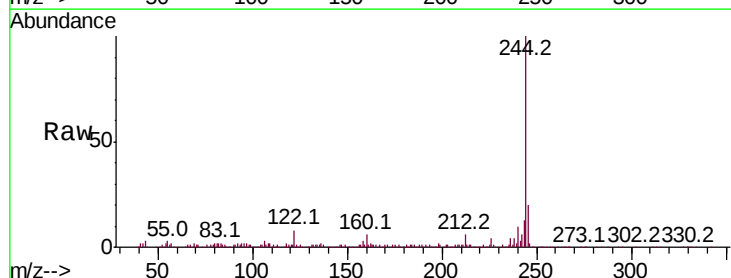
Instrument :
BNA_F
ClientSampleId :

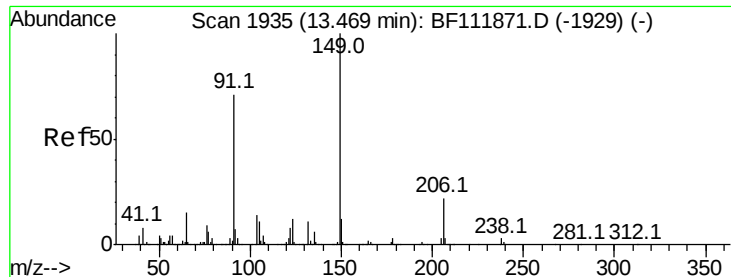
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	18.3	14.6	21.8



#79
Terphenyl-d14
Concen: 13.192 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.8	8.8
122	8.4	9.5	14.3#

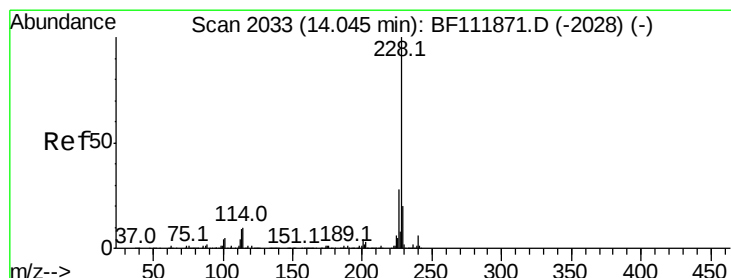
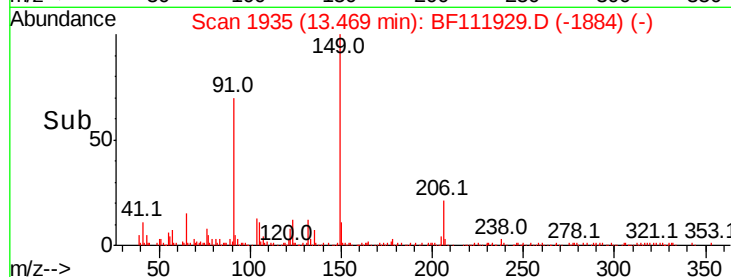
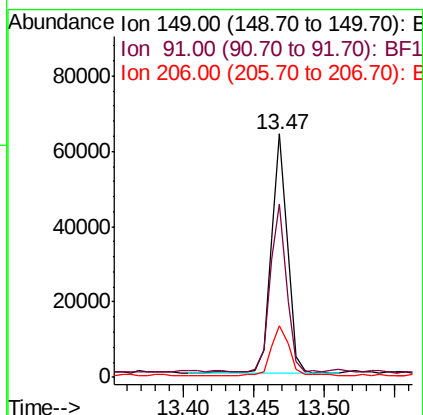
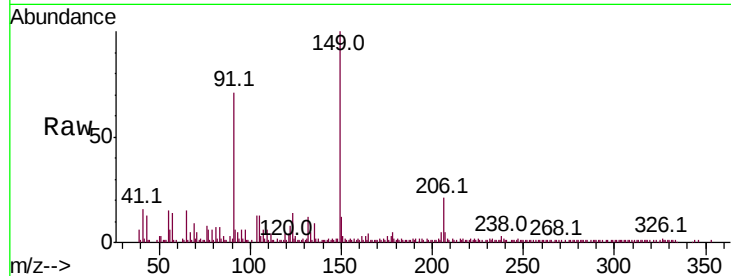




#80
Butylbenzylphthalate
Concen: 7.976 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

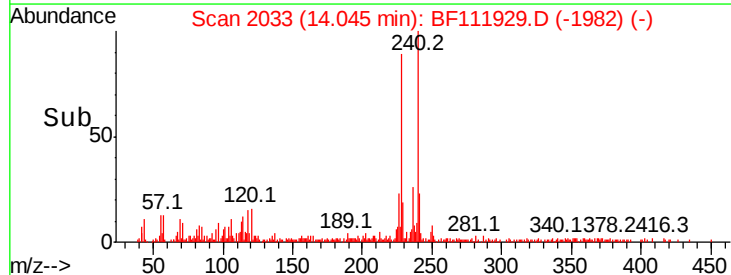
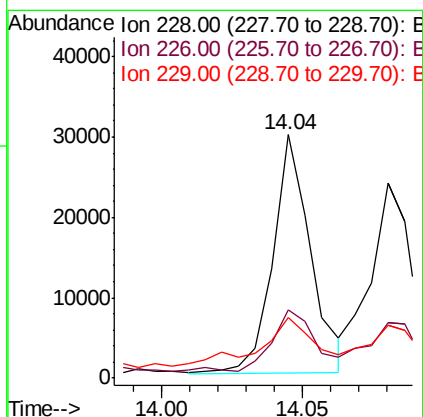
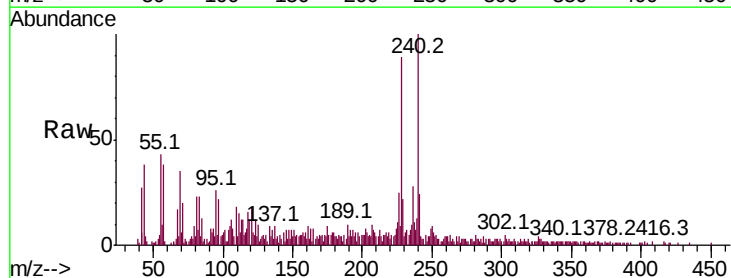
Instrument :
BNA_F
ClientSampleId :

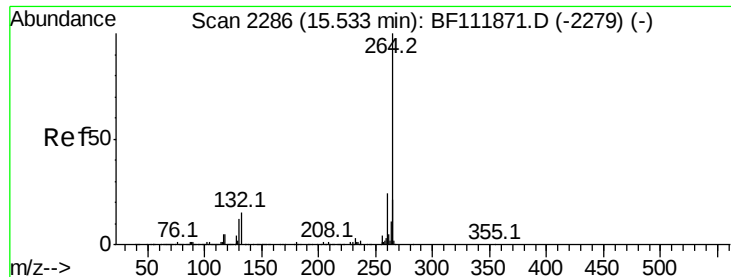
Tot Ion:149 Resp: 51882
Ion Ratio Lower Upper
149 100
91 71.1 57.2 85.8
206 21.1 17.3 25.9



#81
Benzo(a)anthracene
Concen: 2.136 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF111929.D
Acq: 9 Jan 2019 1:18

Tgt Ion:228 Resp: 27490
Ion Ratio Lower Upper
228 100
226 27.9 22.2 33.2
229 24.7 16.2 24.2#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.01 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

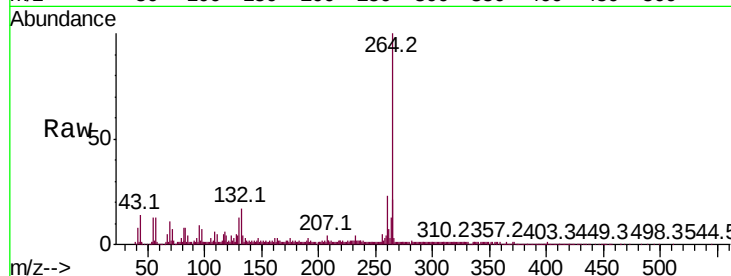
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 194577

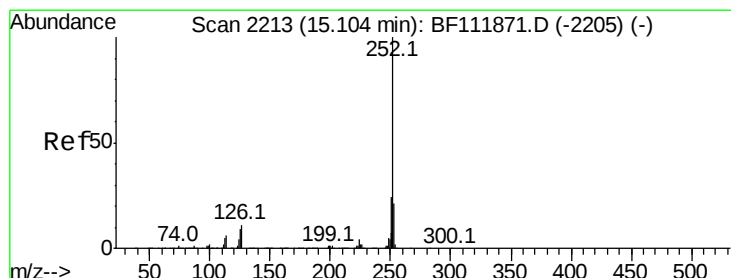
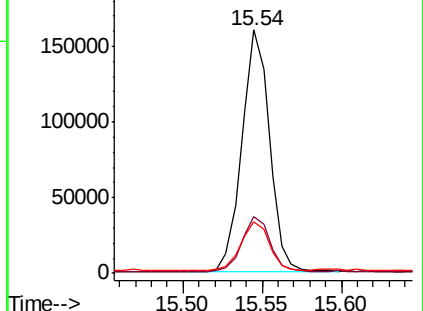
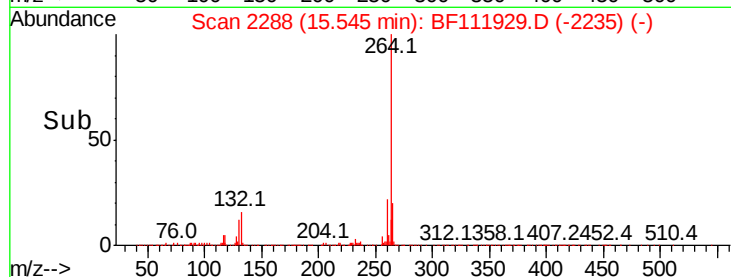
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.2	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.696 ng

RT: 15.11 min Scan# 2214

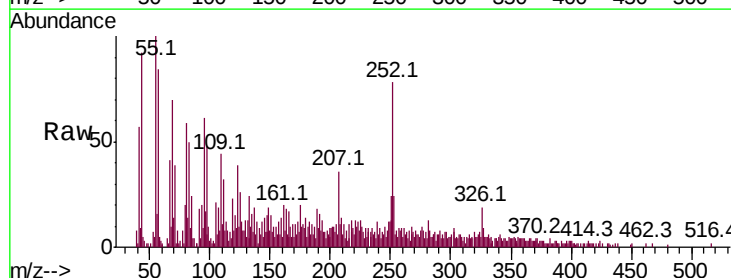
Delta R.T. 0.01 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Tgt Ion:252 Resp: 31385

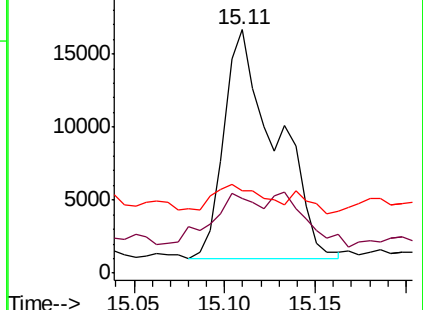
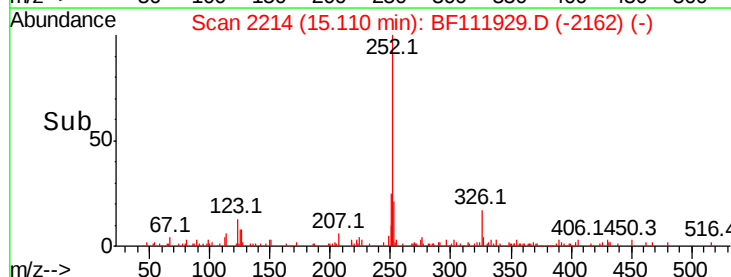
Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.0	25.6#
125	33.6	7.1	10.7#

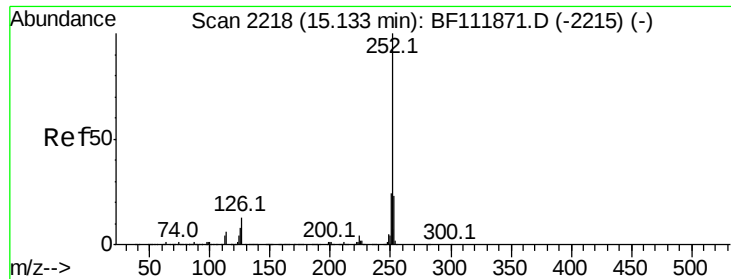


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.869 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF111929.D

Acq: 9 Jan 2019 1:18

Instrument :

BNA_F

ClientSampleId :

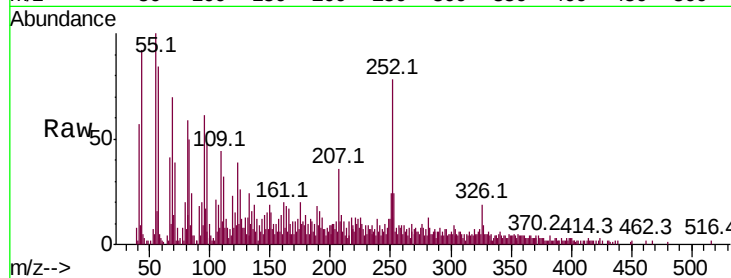
Tot Ion:252 Resp: 31385

Ion Ratio Lower Upper

252 100

253 30.9 17.8 26.6#

125 33.6 7.0 10.4#



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

