

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111171.D
 Acq On : 7 Dec 2018 7:16
 Operator : JU/SJ
 Sample : J6168-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 09:38:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	402478	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1446816	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	549698	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	872303	20.00	ng	0.00
76) Chrysene-d12	13.96	240	666026	20.00	ng	0.01
87) Perylene-d12	15.40	264	476950	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	2267200	87.90	ng	0.01
7) Phenol-d6	6.44	99	2826743	85.08	ng	0.00
23) Nitrobenzene-d5	7.36	82	1667617	68.24	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	411051	94.07	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2195934	71.70	ng	0.00
79) Terphenyl-d14	12.91	244	1681519	51.71	ng	0.00

Target Compounds

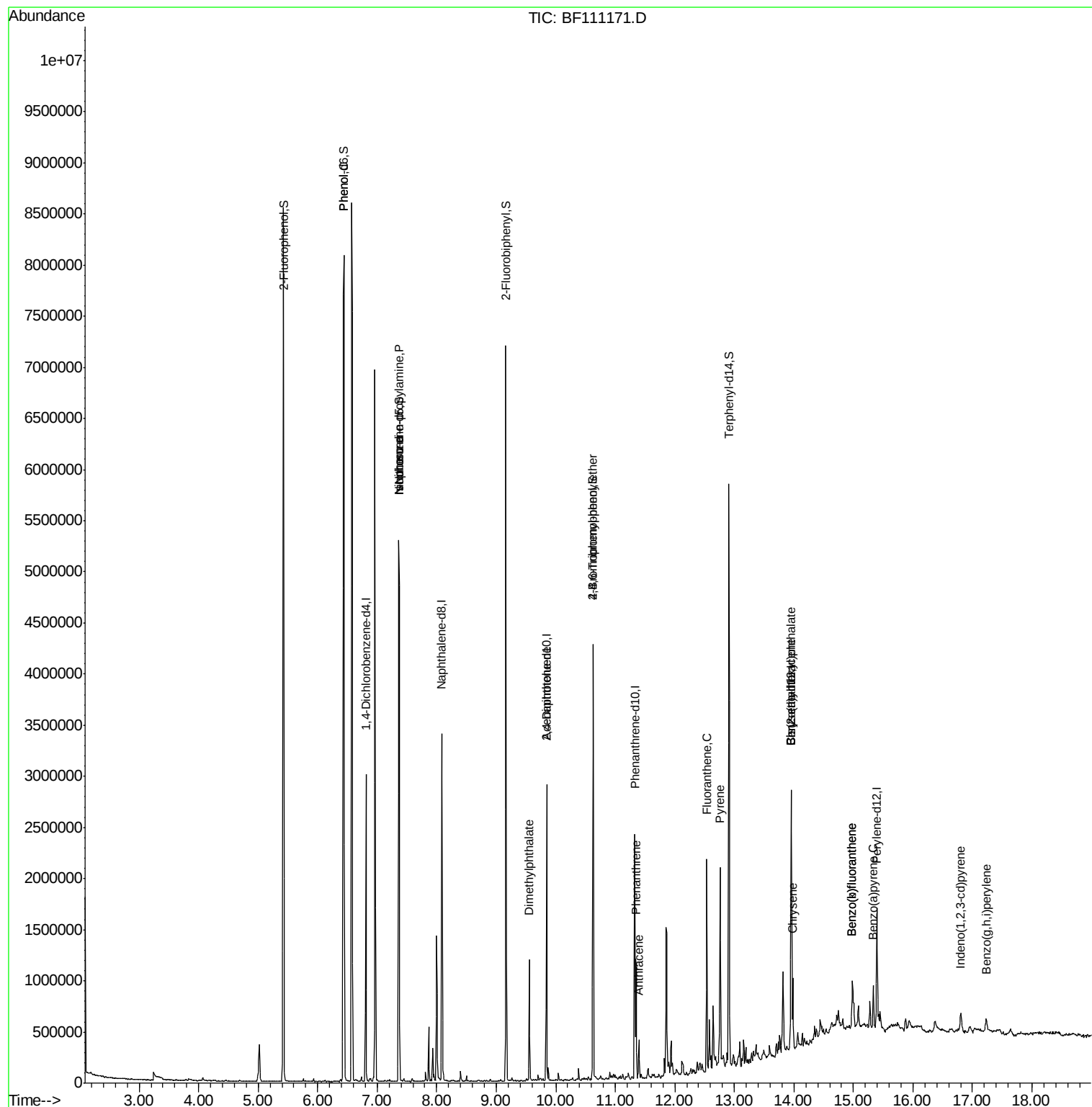
						Qvalue
9) Benzaldehyde	6.44	77	6575	Below Cal	#	1
10) Phenol	6.45	94	213821	5.902 ng		96
19) n-Nitroso-di-n-propylamine	7.36	70	222369	9.959 ng	#	75
25) Isophorone	7.36	82	1663389	37.088 ng	#	65
50) Dimethylphthalate	9.56	163	397972	10.403 ng		98
57) 2,4-Dinitrotoluene	9.85	165	72629	6.933 ng	#	24
67) 4-Bromophenyl-phenylether	10.63	248	27400	2.967 ng	#	1
71) Phenanthrene	11.35	178	428430	10.211 ng		94
72) Anthracene	11.40	178	119343	2.822 ng		95
75) Fluoranthene	12.53	202	801086	19.511 ng		97
77) Benzidine	12.66	184	1109	Below Cal	#	1
78) Pylene	12.76	202	734547	14.156 ng		95
81) Benzo(a)anthracene	13.95	228	291522	7.471 ng		98
83) Chrysene	13.99	228	266817	6.888 ng		97
84) Bis(2-ethylhexyl)phthalate	13.95	149	80919	2.673 ng		97
86) Indeno(1,2,3-cd)pyrene	16.80	276	105578	3.394 ng		94
88) Benzo(b)fluoranthene	14.99	252	338090	12.510 ng	#	97
89) Benzo(k)fluoranthene	14.99	252	338090	12.940 ng	#	97
90) Benzo(a)pyrene	15.33	252	178281	7.192 ng		97
92) Benzo(a,h,i)perylene	17.23	276	96093	4.597 ng		97

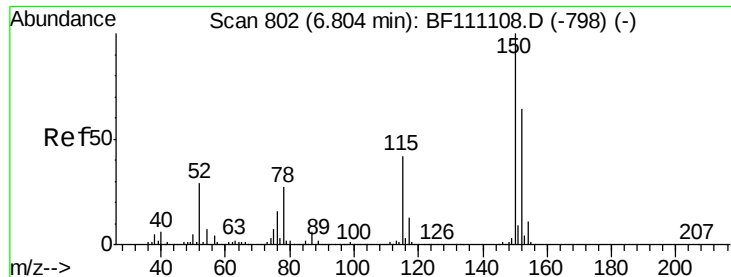
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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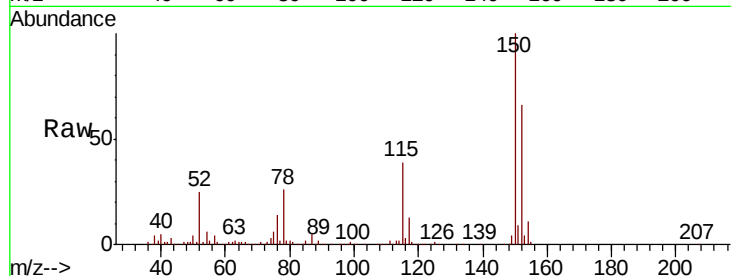




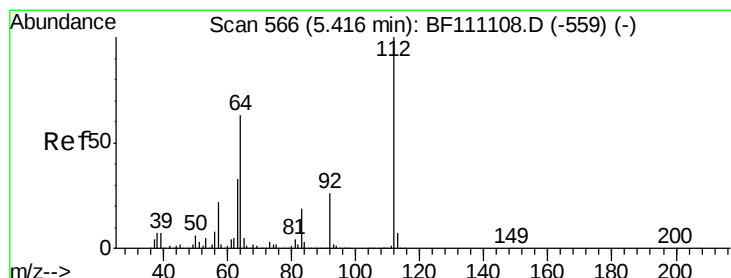
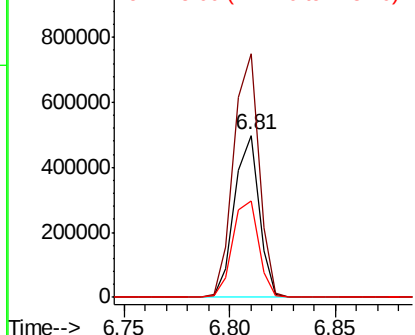
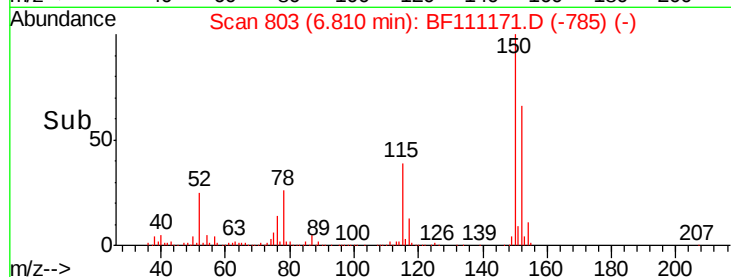
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 402478
 Ion Ratio Lower Upper
 152 100
 150 150.5 124.6 187.0
 115 59.4 52.2 78.2

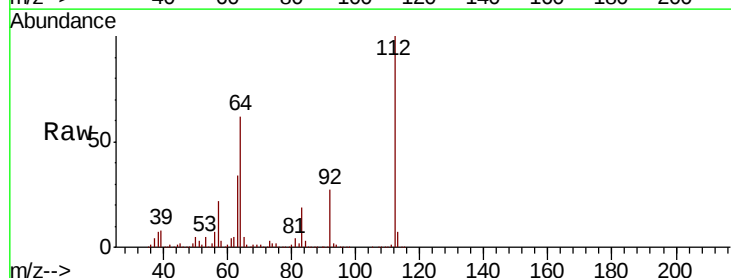


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

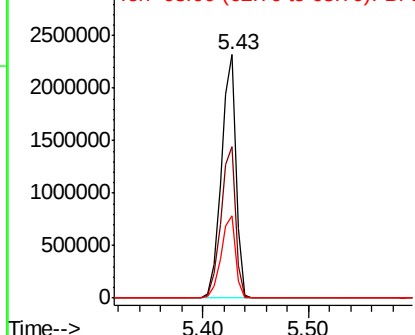
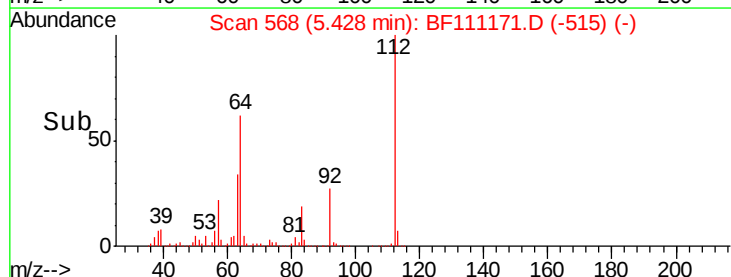


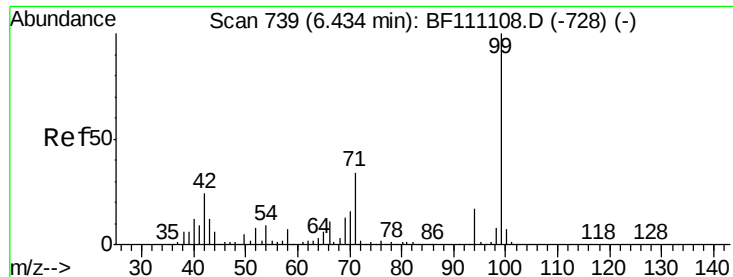
#5
 2-Fluorophenol
 Concen: 87.902 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Tgt Ion:112 Resp: 2267200
 Ion Ratio Lower Upper
 112 100
 64 62.5 50.2 75.4
 63 33.6 26.6 39.8



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: 85.079 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

ClientSampleId :

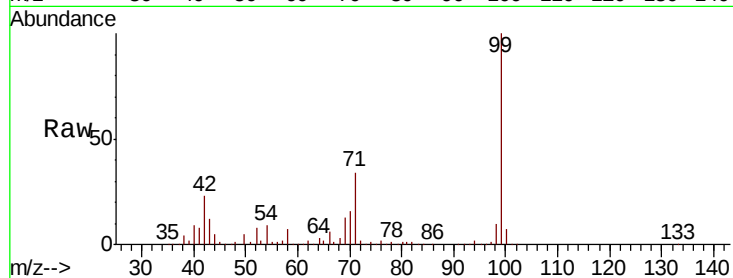
Tot Ion: 99 Resp: 2826743

Ion Ratio Lower Upper

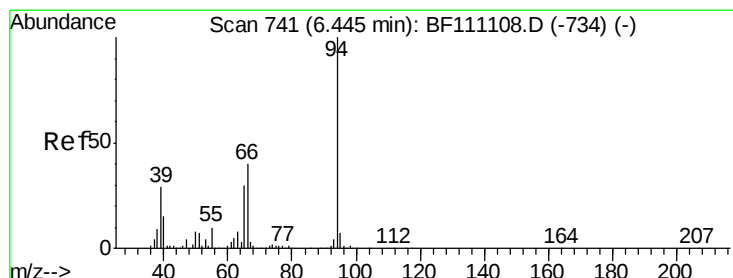
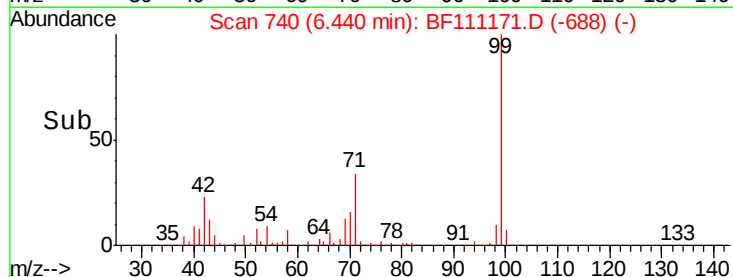
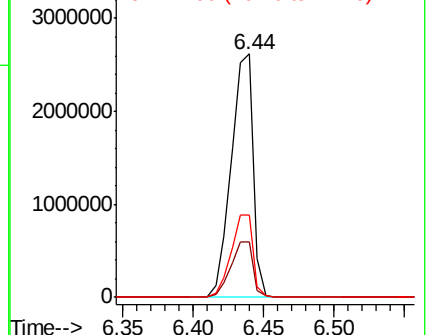
99 100

42 22.6 19.3 28.9

71 34.0 27.4 41.2



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: 5.902 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

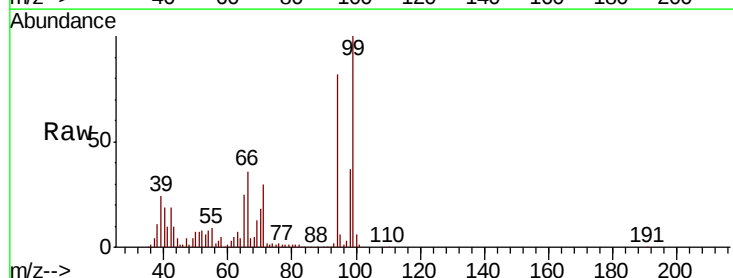
Tgt Ion: 94 Resp: 213821

Ion Ratio Lower Upper

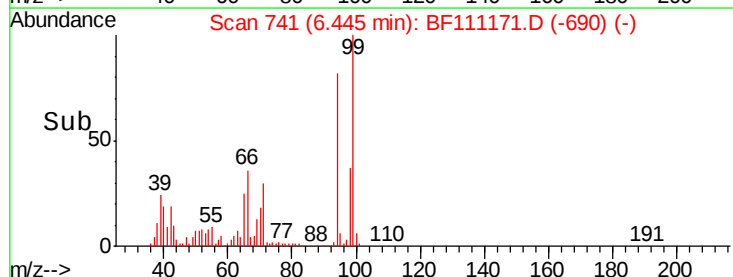
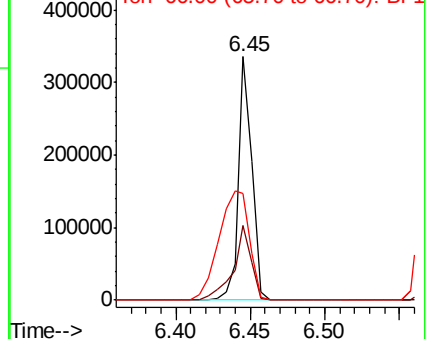
94 100

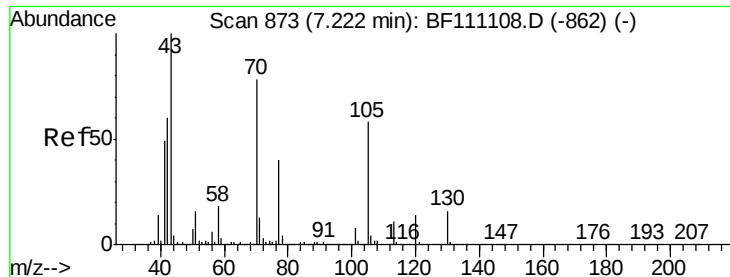
65 30.9 10.5 50.5

66 43.5 19.8 59.8



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

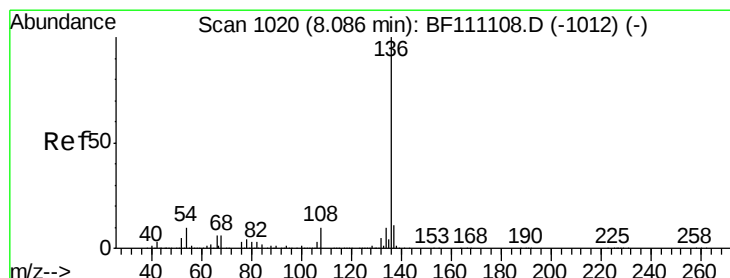
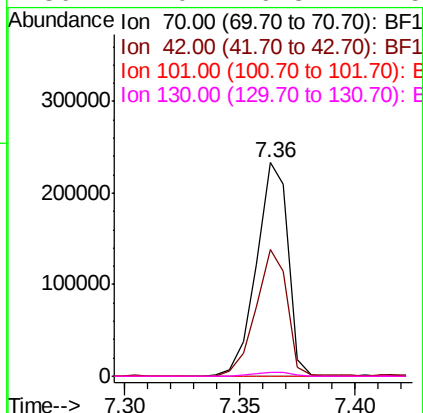
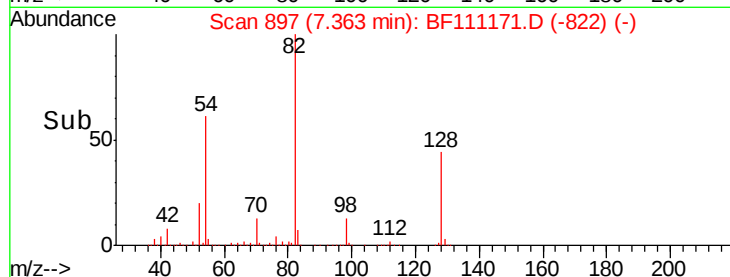
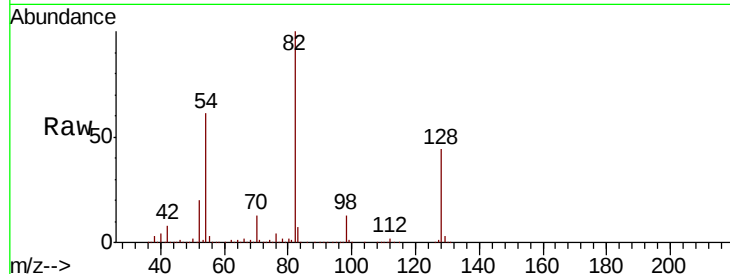




#19
n-Nitroso-di-n-propylamine
Concen: 9.959 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.14 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

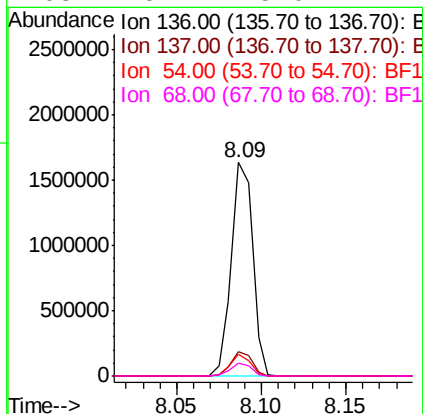
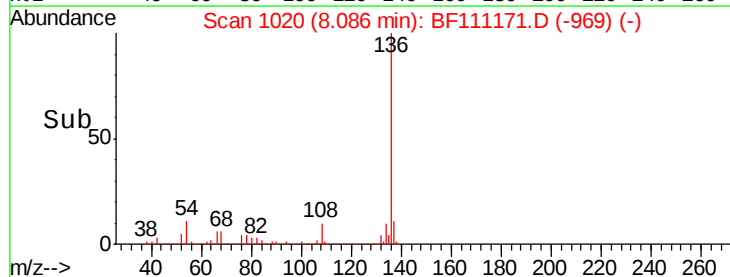
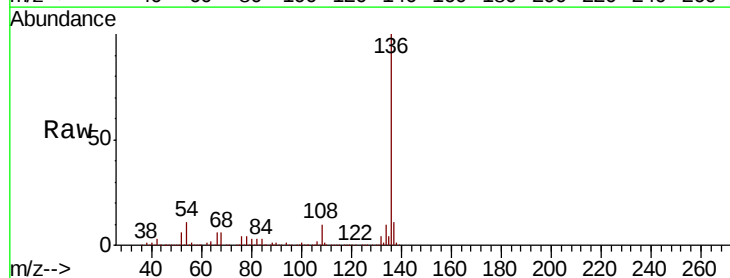
Instrument :
BNA_F
ClientSampleId :

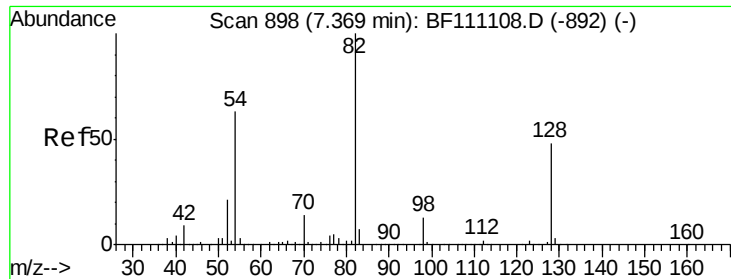
Tot Ion: 70 Resp: 222369
Ion Ratio Lower Upper
70 100
42 59.1 61.3 91.9#
101 0.0 7.7 11.5#
130 2.0 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion:136 Resp: 1446816
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.5 8.4 12.6
68 6.1 5.0 7.4

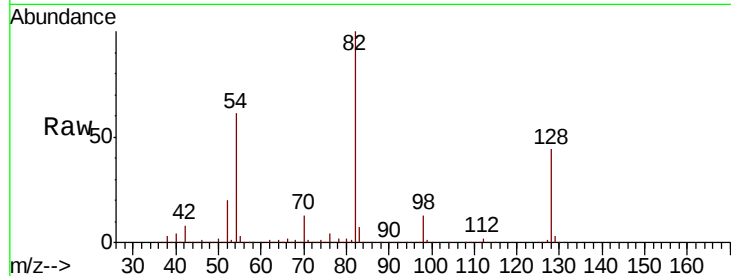




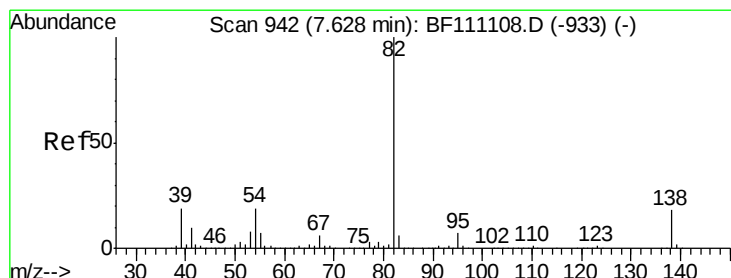
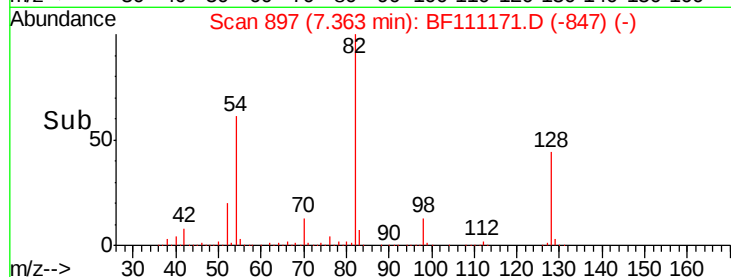
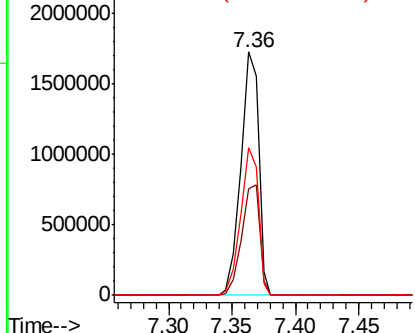
#23
Nitrobenzene-d5
Concen: 68.239 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1667617
Ion Ratio Lower Upper
82 100
128 44.1 38.1 57.1
54 60.7 50.3 75.5

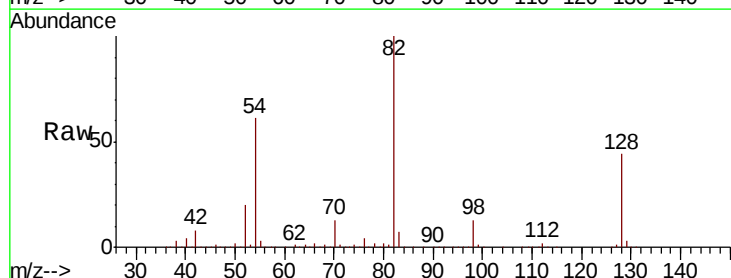


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

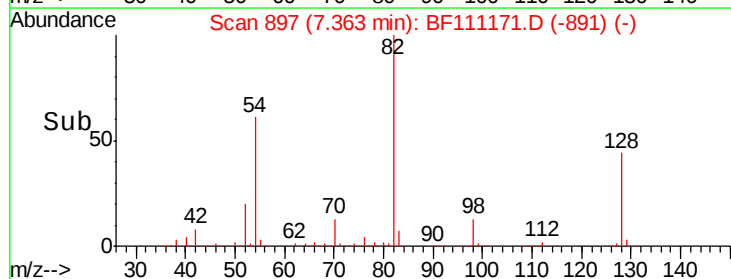
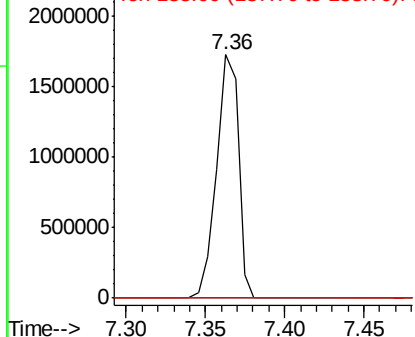


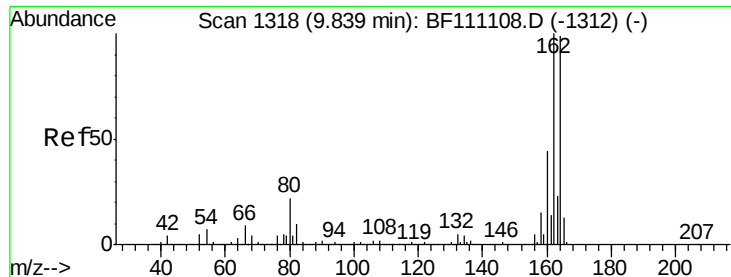
#25
Isophorone
Concen: 37.088 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion: 82 Resp: 1663389
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



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

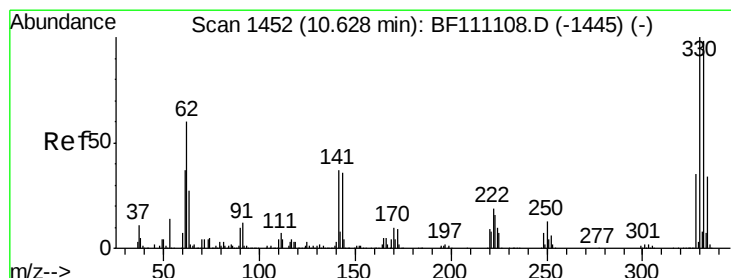
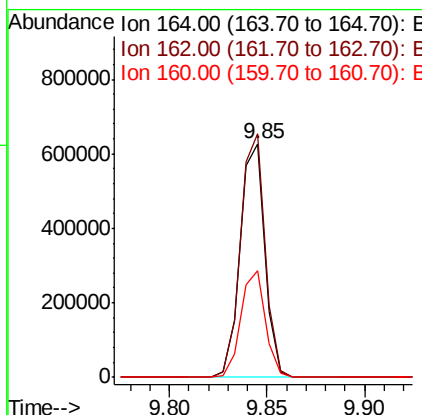
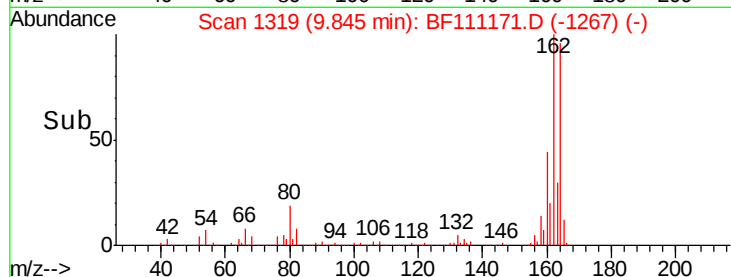
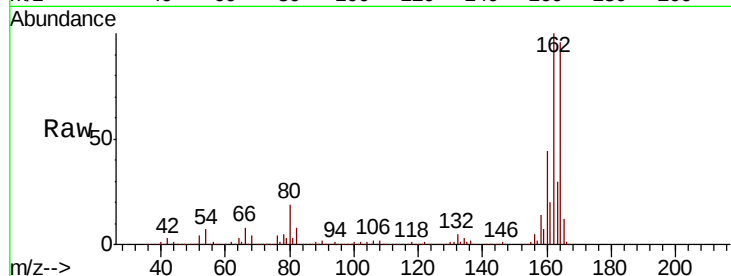




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

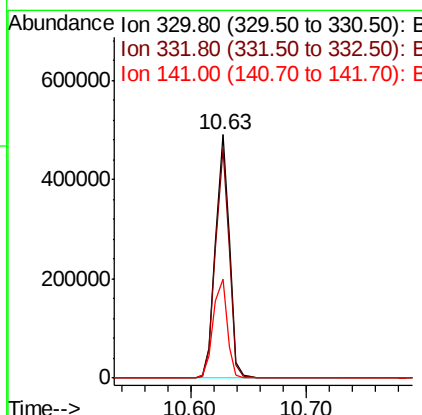
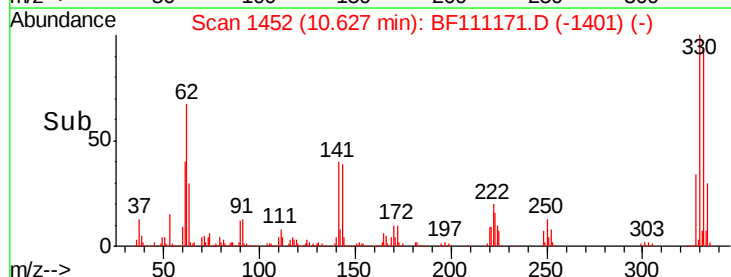
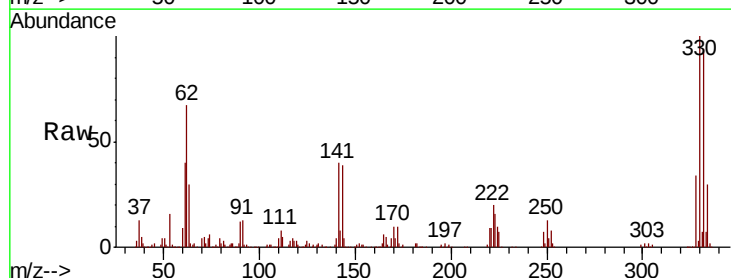
Instrument :
 BNA_F
 ClientSampleId :

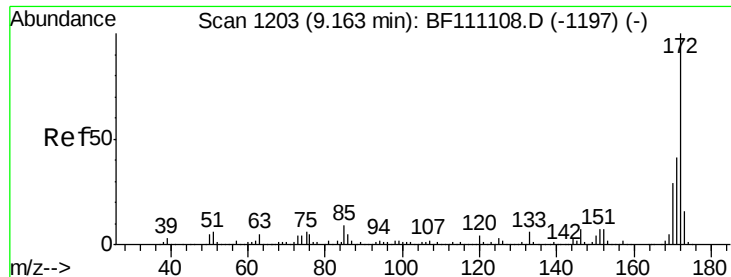
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.1	80.6	120.8
160	45.4	35.5	53.3



#42
 2,4,6-Tribromophenol
 Concen: 94.073 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.2	115.8
141	41.4	36.1	54.1

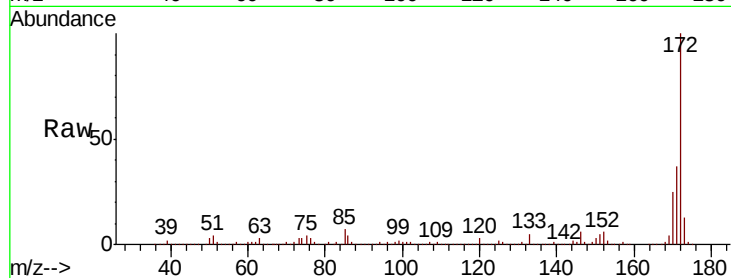




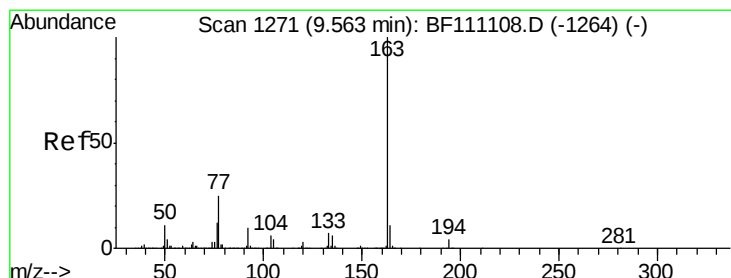
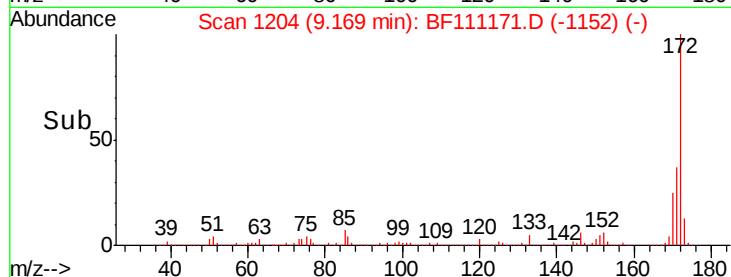
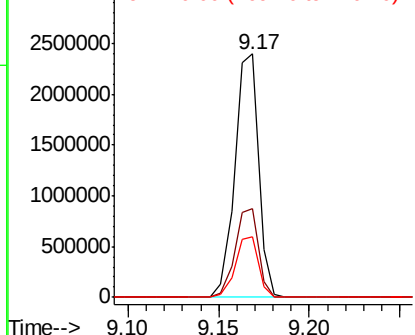
#45
2-Fluorobiphenyl
Concen: 71.697 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2195934
Ion Ratio Lower Upper
172 100
171 36.5 33.2 49.8
170 24.8 22.9 34.3

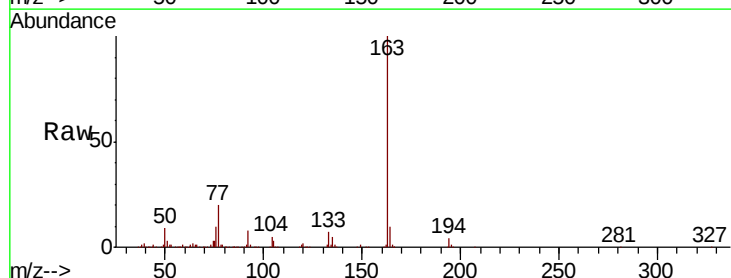


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

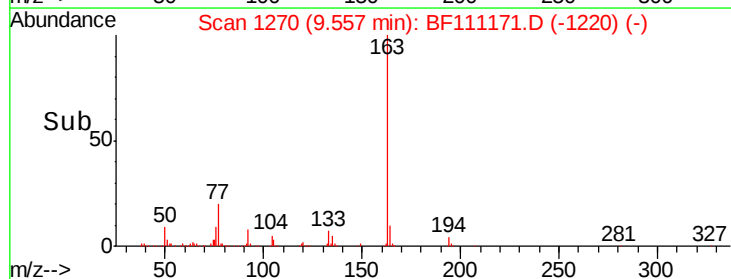
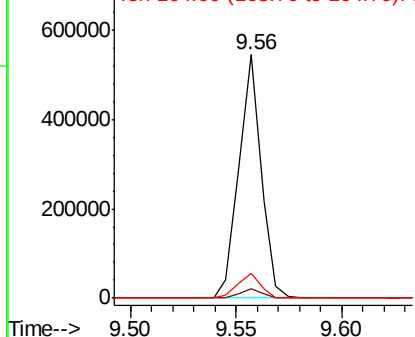


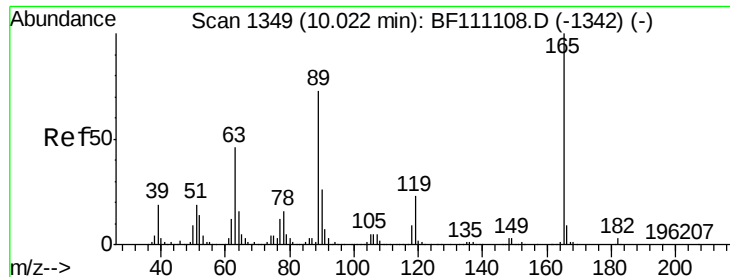
#50
Dimethylphthalate
Concen: 10.403 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion:163 Resp: 397972
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.3 8.9 13.3



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

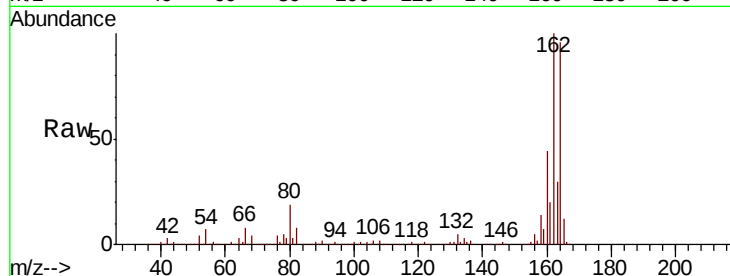




#57
2,4-Dinitrotoluene
Concen: 6.933 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.18 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.7	55.1#
89	2.2	58.4	87.6#
182	0.0	2.1	3.1#



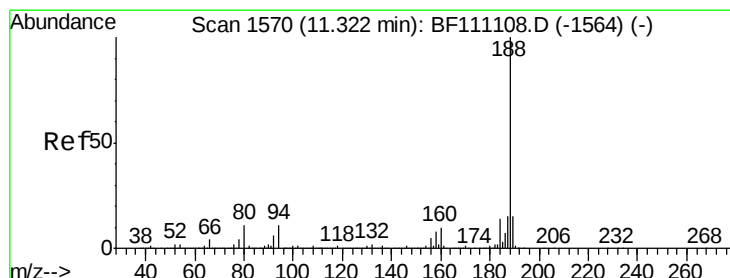
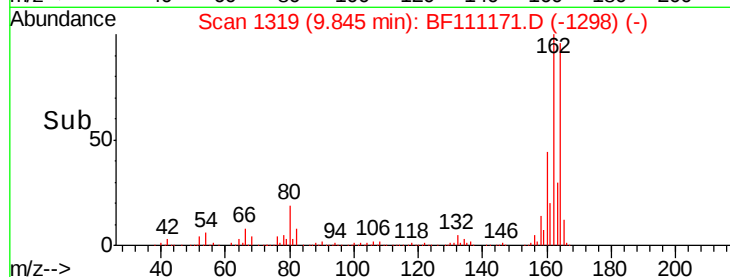
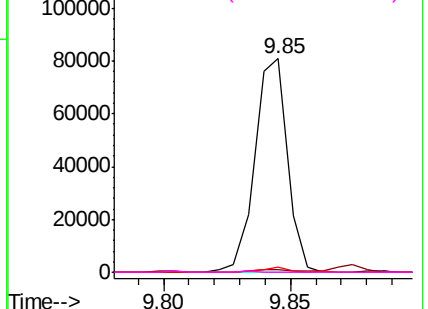
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

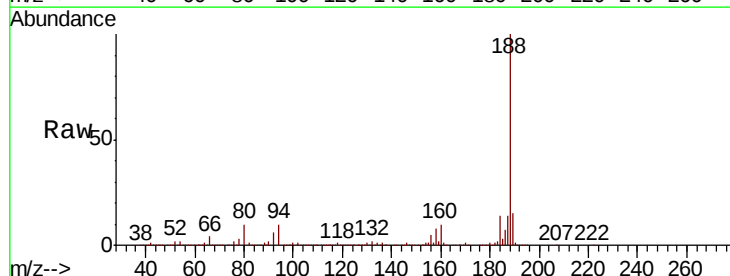
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.0	9.0	13.6

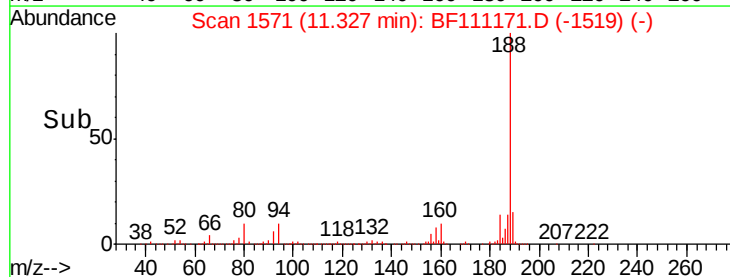
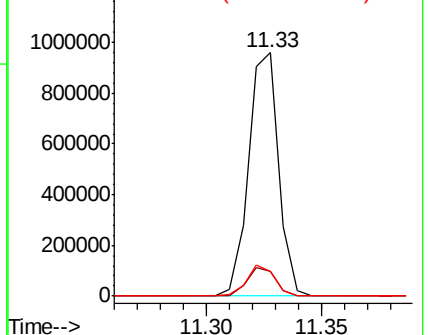


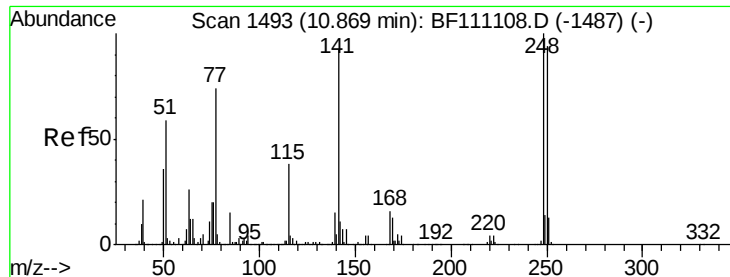
Abundance

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

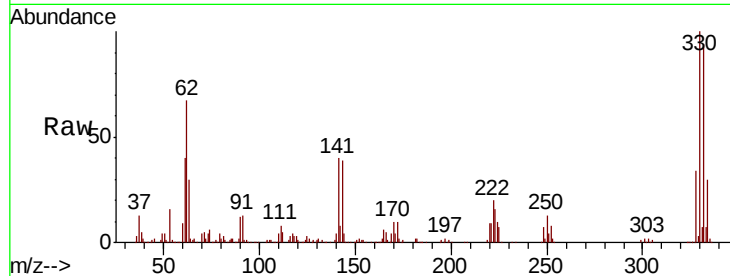




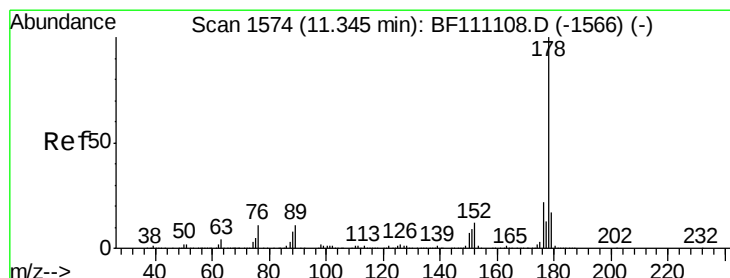
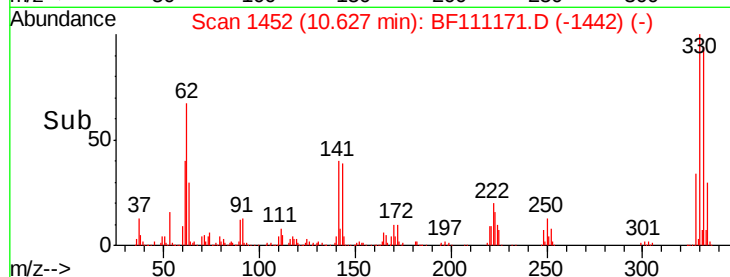
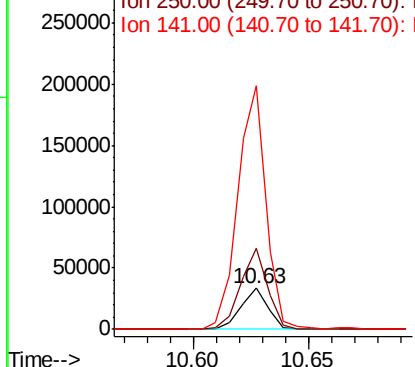
#67
 4-Bromophenyl-phenylether
 Concen: 2.967 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 27400
 Ion Ratio Lower Upper
 248 100
 250 198.5 75.4 113.0#
 141 597.2 73.8 110.6#

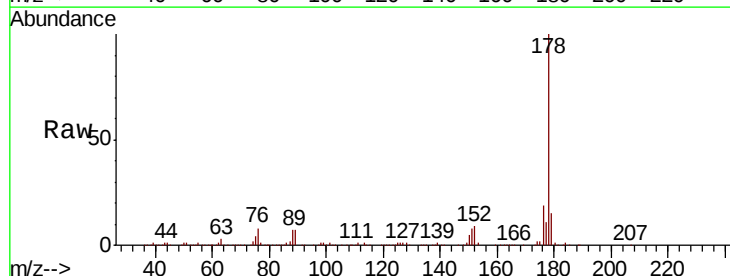


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

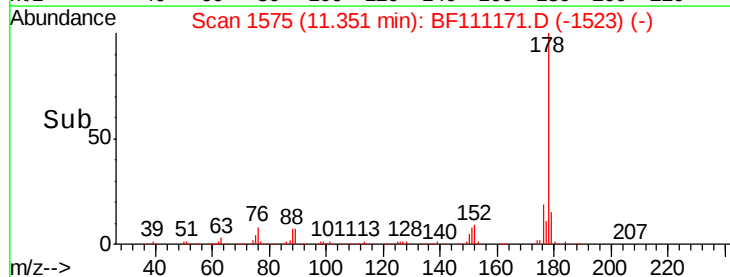
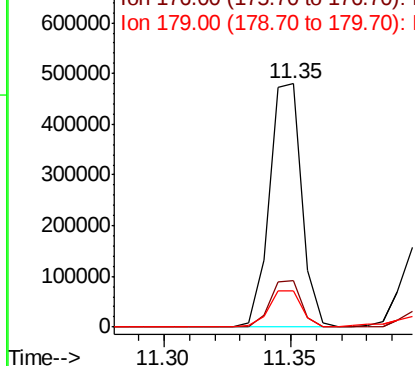


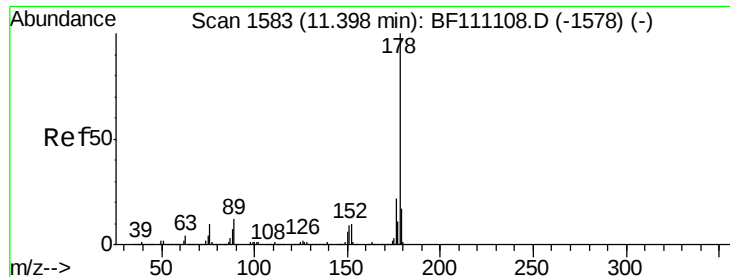
#71
 Phenanthrene
 Concen: 10.211 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Tgt Ion:178 Resp: 428430
 Ion Ratio Lower Upper
 178 100
 176 19.1 17.7 26.5
 179 15.2 14.0 21.0



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





#72

Anthracene

Concen: 2.822 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

ClientSampleId :

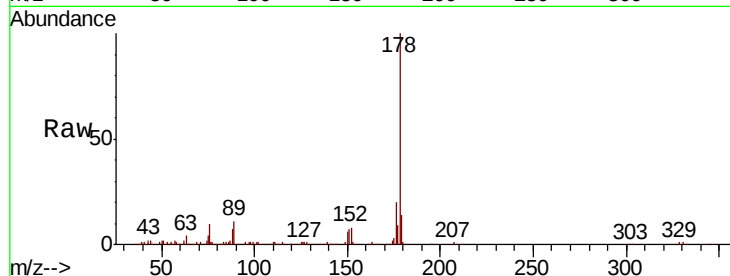
Tot Ion:178 Resp: 119343

Ion Ratio Lower Upper

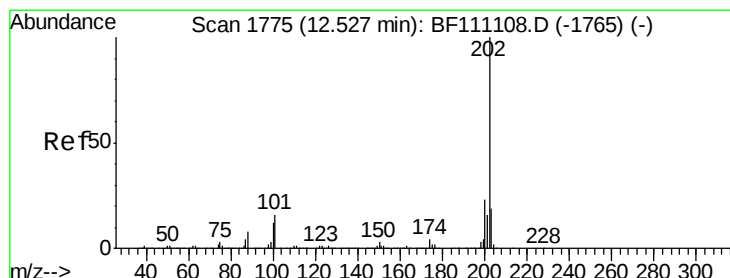
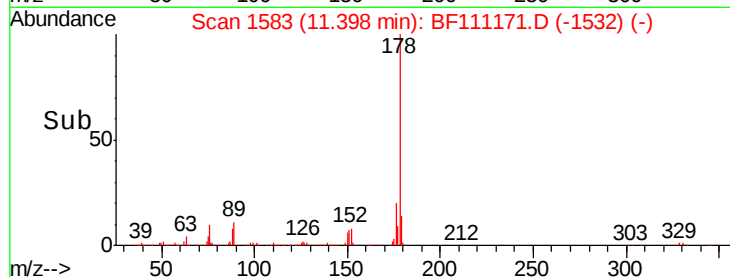
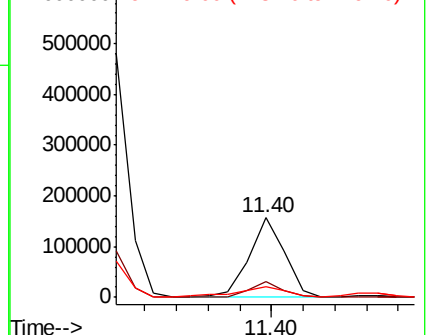
178 100

176 20.1 17.3 25.9

179 14.1 13.8 20.8



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: 19.511 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

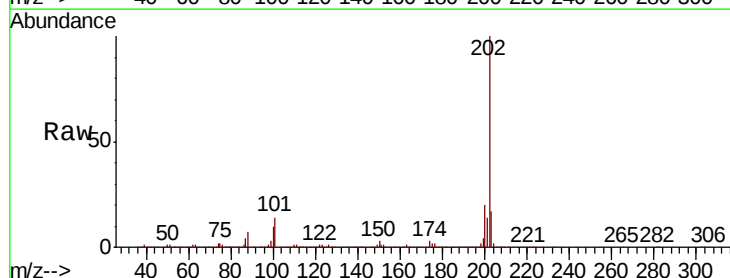
Tgt Ion:202 Resp: 801086

Ion Ratio Lower Upper

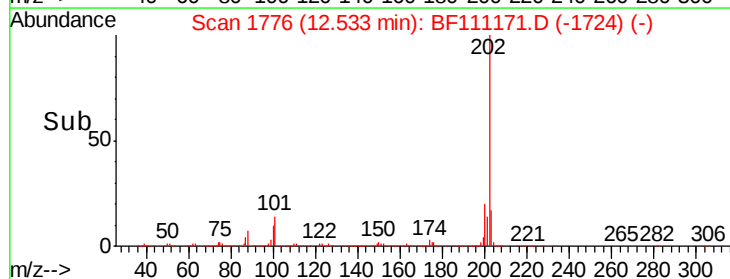
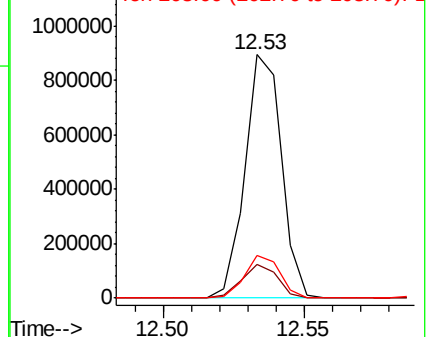
202 100

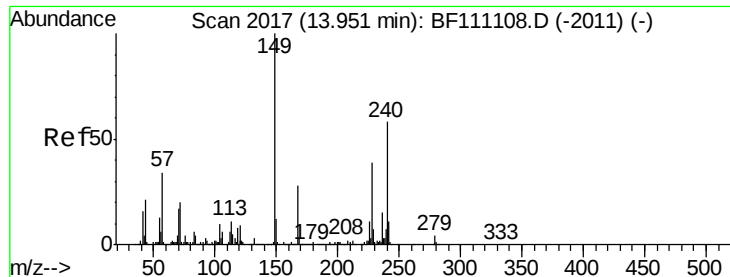
101 14.1 0.0 35.8

203 17.4 0.0 38.6



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

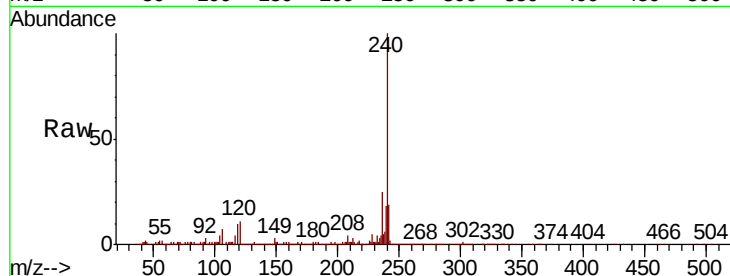




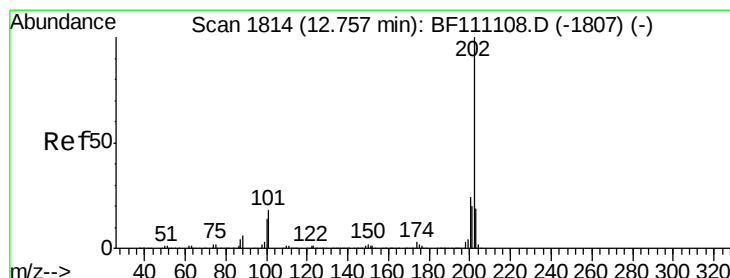
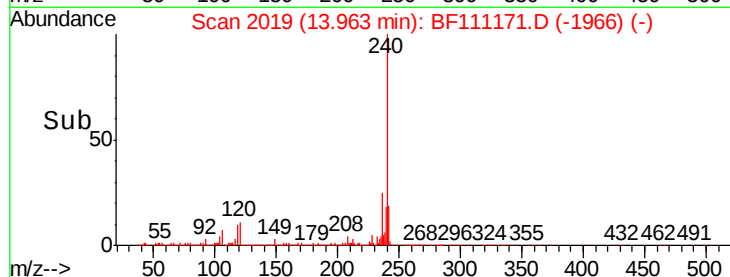
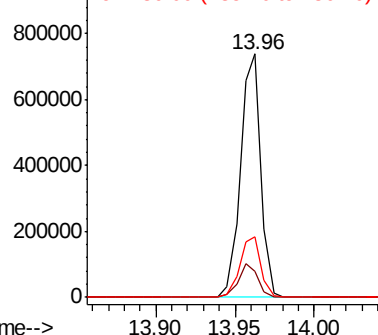
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 666026
Ion Ratio Lower Upper
240 100
120 10.7 12.8 19.2#
236 25.0 21.1 31.7

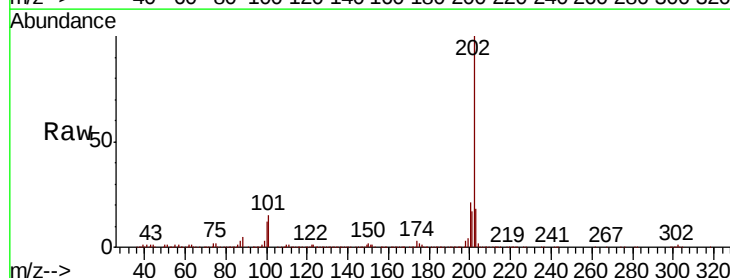


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

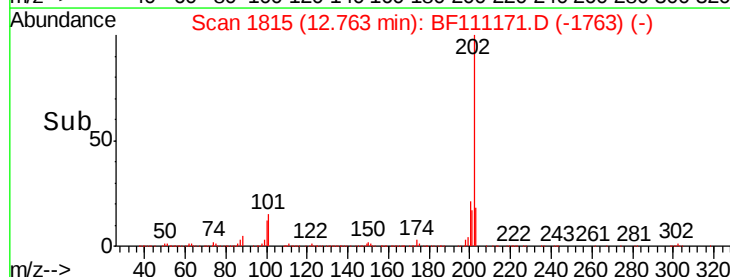
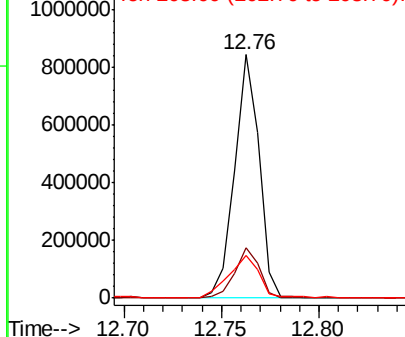


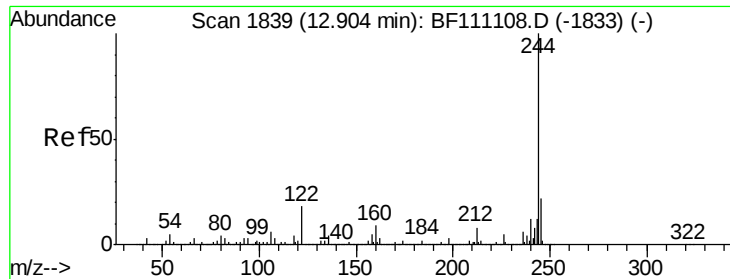
#78
Pyrene
Concen: 14.156 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion:202 Resp: 734547
Ion Ratio Lower Upper
202 100
200 20.9 19.3 28.9
203 17.7 15.4 23.2



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

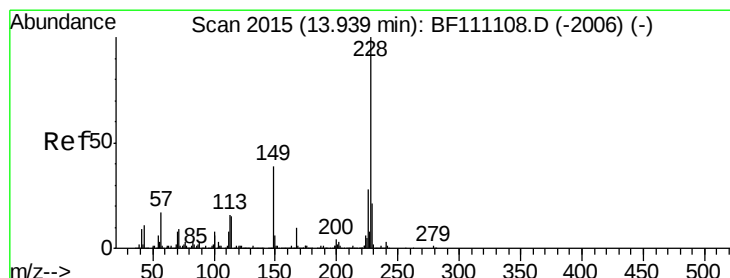
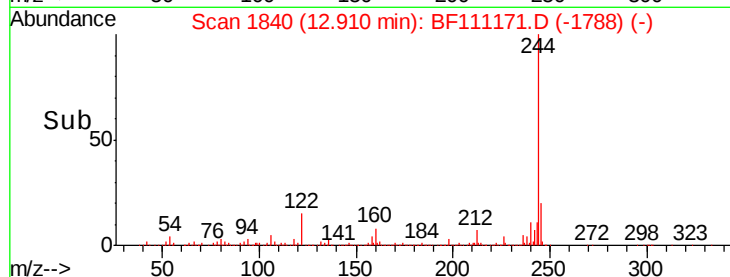
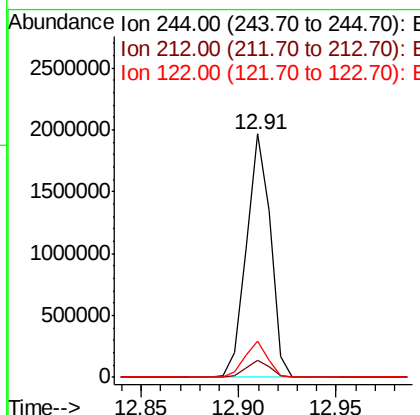
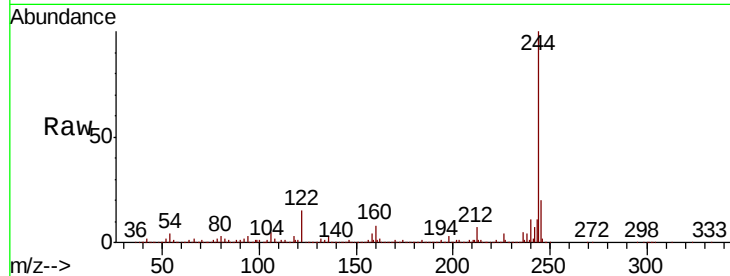




#79
 Terphenyl-d14
 Concen: 51.706 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

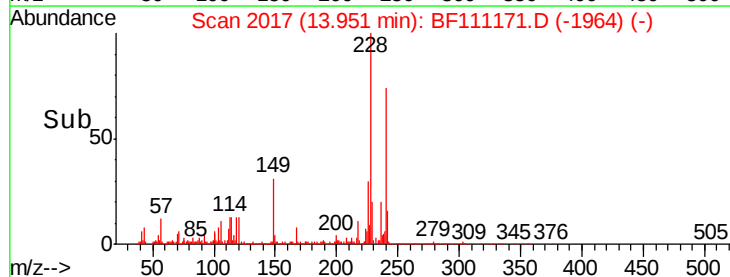
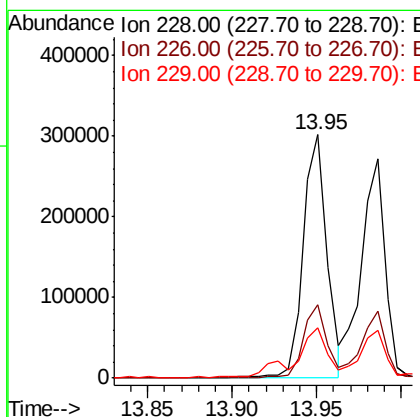
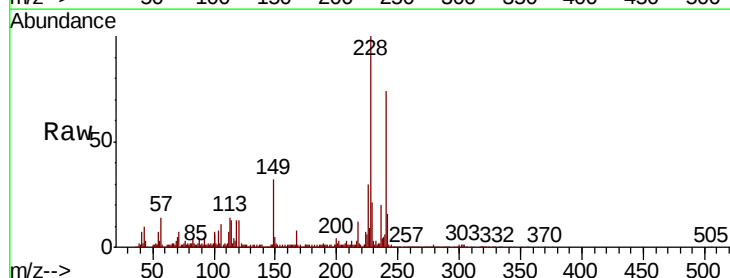
Instrument :
 BNA_F
 ClientSampleId :

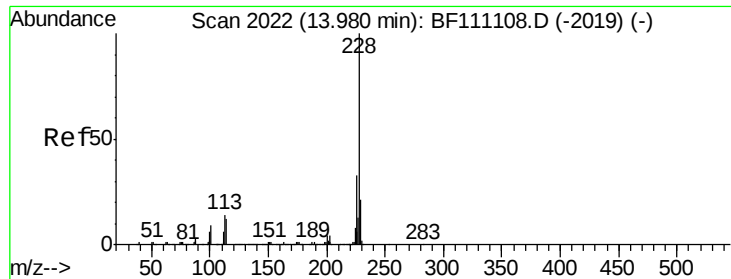
Tot Ion:244 Resp: 1681519
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.6 9.8
 122 14.7 14.2 21.2



#81
 Benzo(a)anthracene
 Concen: 7.471 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF111171.D
 Acq: 7 Dec 2018 7:16

Tgt Ion:228 Resp: 291522
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 34.0
 229 20.8 16.7 25.1





#83

Chrysene

Concen: 6.888 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

ClientSampleId :

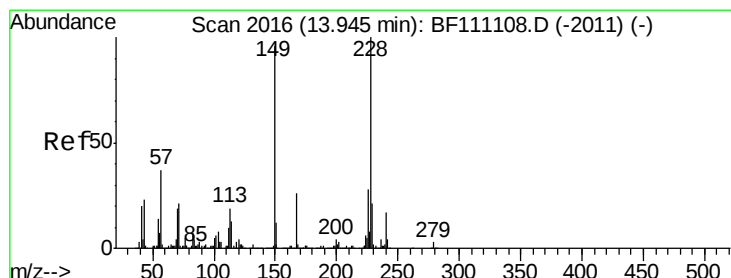
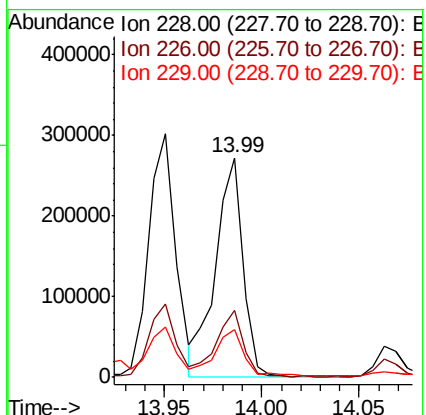
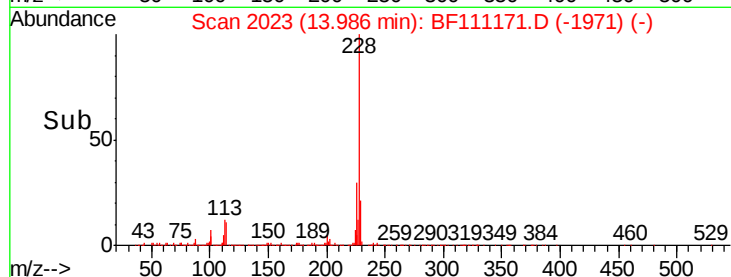
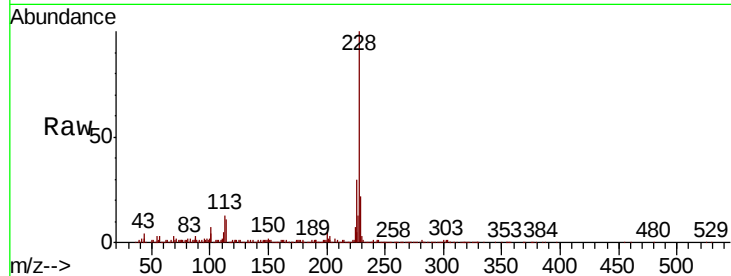
Tot Ion:228 Resp: 266817

Ion Ratio Lower Upper

228 100

226 30.2 26.2 39.2

229 21.6 16.9 25.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.673 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

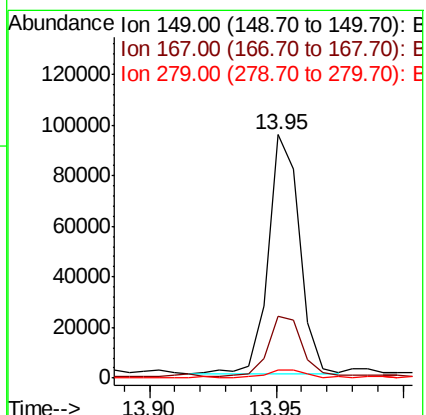
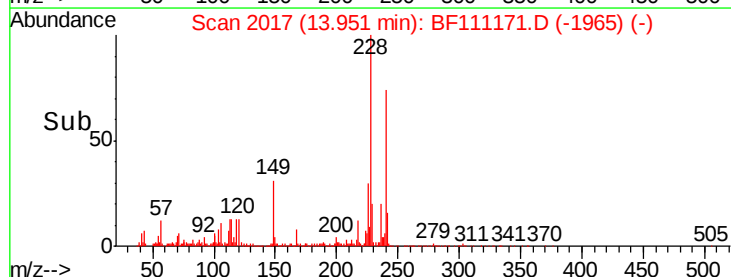
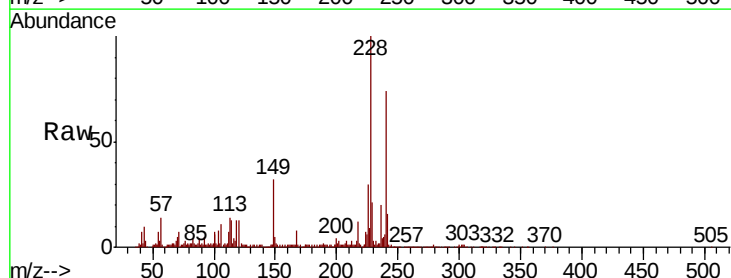
Tgt Ion:149 Resp: 80919

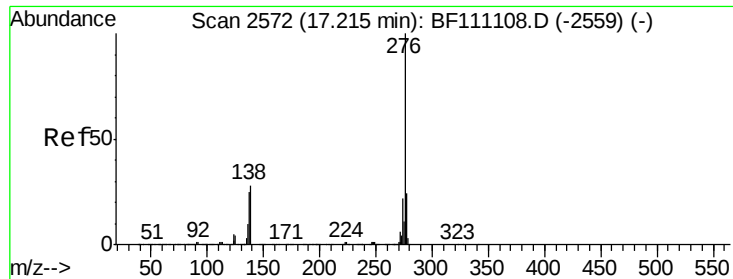
Ion Ratio Lower Upper

149 100

167 25.4 21.6 32.4

279 3.4 2.3 3.5

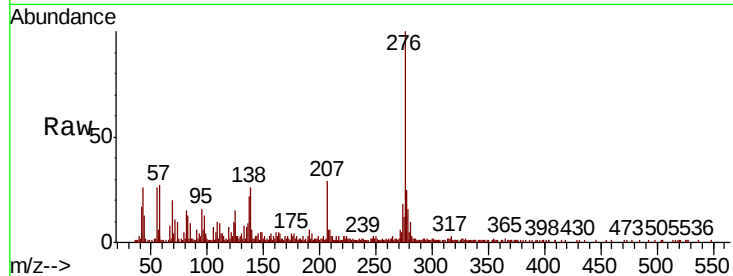




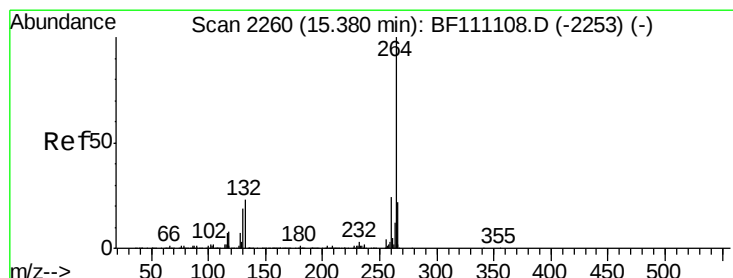
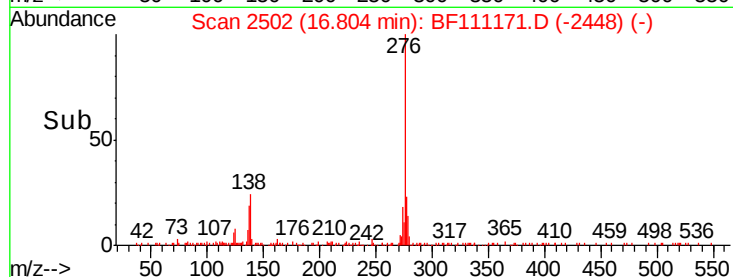
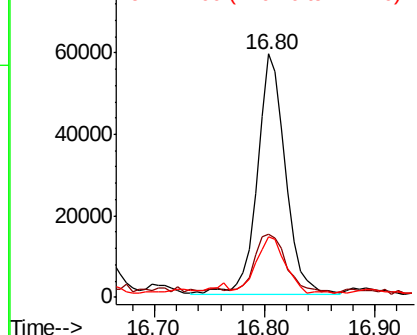
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.394 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.02 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.2	30.4
277	23.4	15.8	23.6

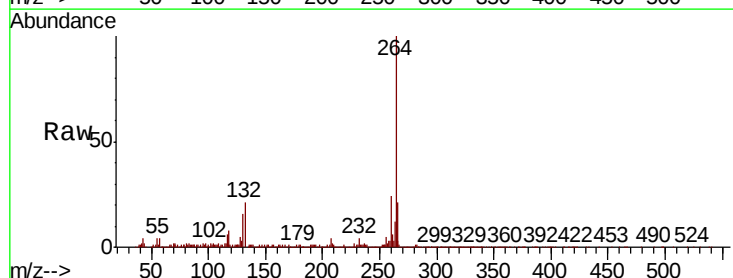


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

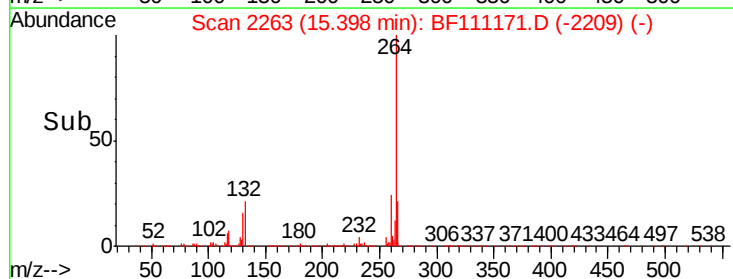
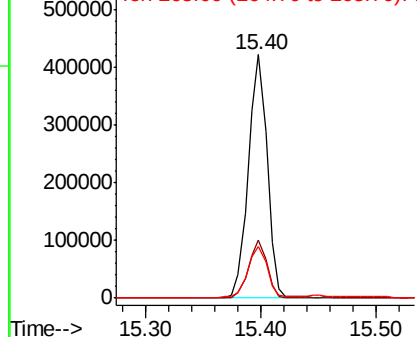


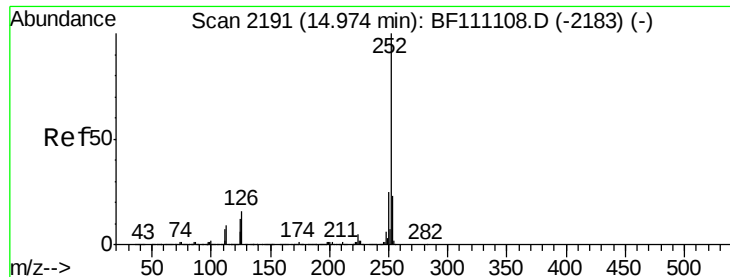
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.1	17.4	26.0



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

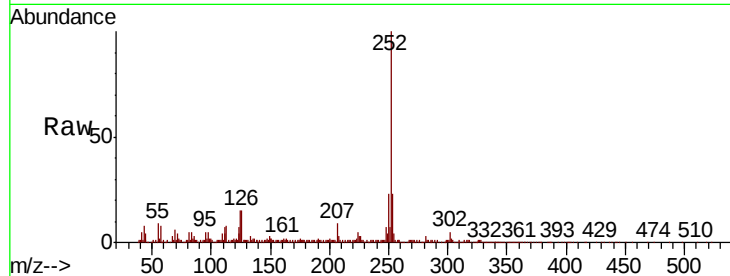




#88
Benzo(b)fluoranthene
Concen: 12.510 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	15.3	9.9	14.9#

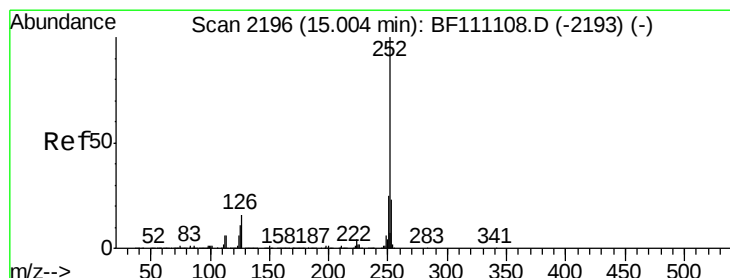
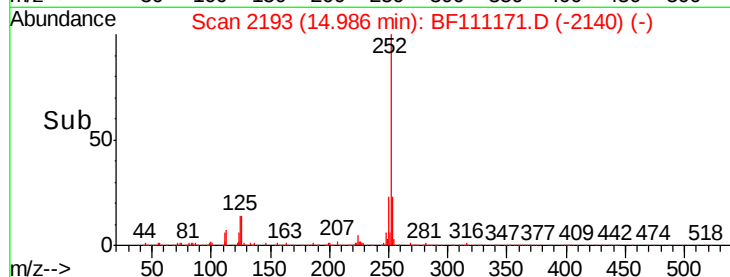
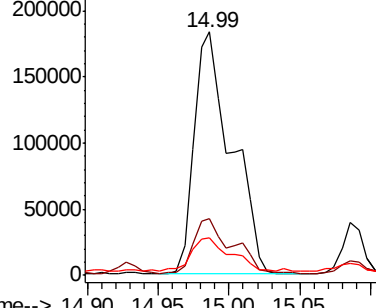


Abundance

Ion 252.00 (251.70 to 252.70): E

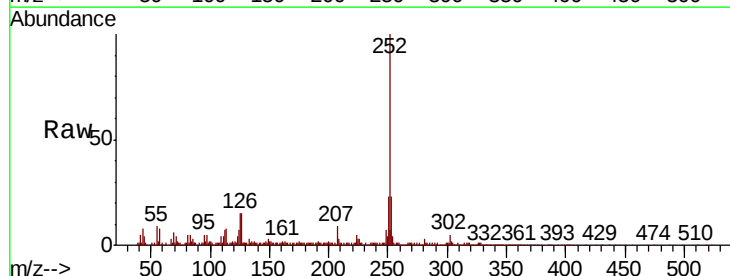
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 12.940 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111171.D
Acq: 7 Dec 2018 7:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	15.3	9.9	14.9#

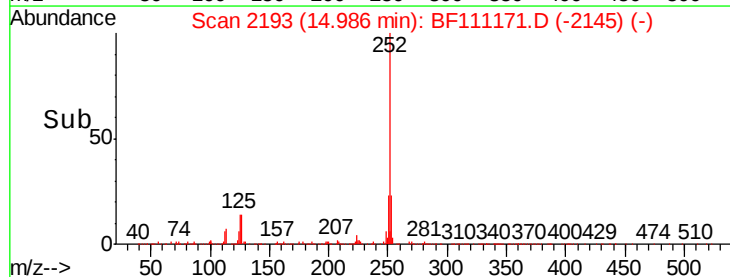
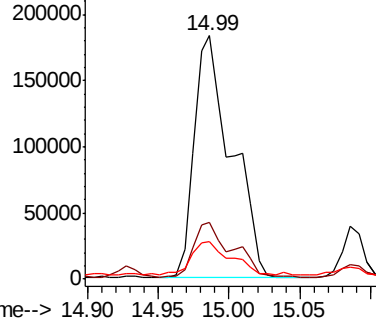


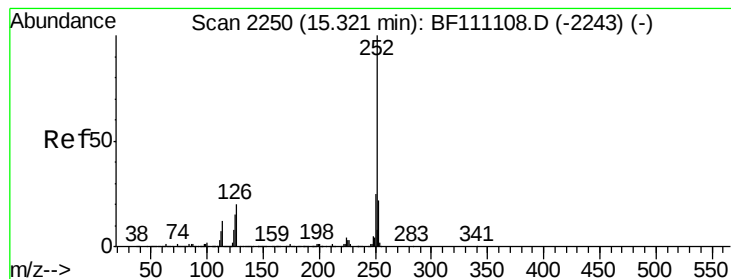
Abundance

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: 7.192 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

Instrument :

BNA_F

ClientSampleId :

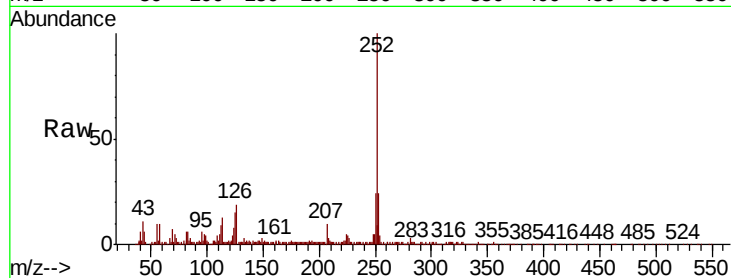
Tot Ion:252 Resp: 178281

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

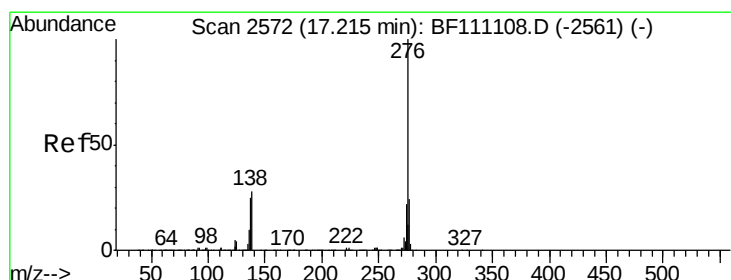
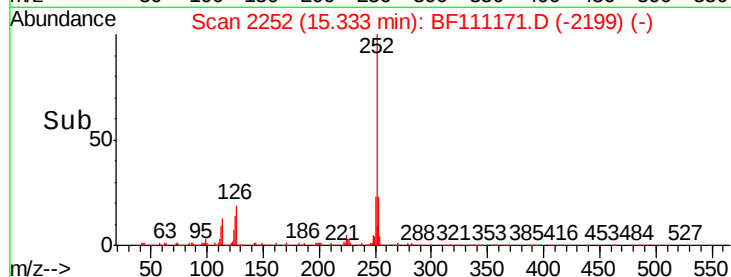
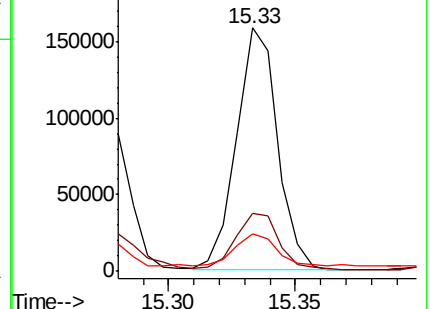
125 15.5 12.4 18.6



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



#92

Benzo(g,h,i)perylene

Concen: 4.597 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BF111171.D

Acq: 7 Dec 2018 7:16

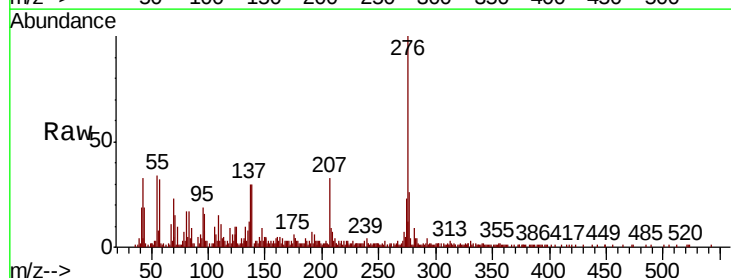
Tgt Ion:276 Resp: 96093

Ion Ratio Lower Upper

276 100

277 25.6 19.3 28.9

138 29.7 22.3 33.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

