

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110736.D
 Acq On : 13 Nov 2018 23:06
 Operator : JU/SJ
 Sample : J5770-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-111218-B

Quant Time: Nov 14 04:31:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

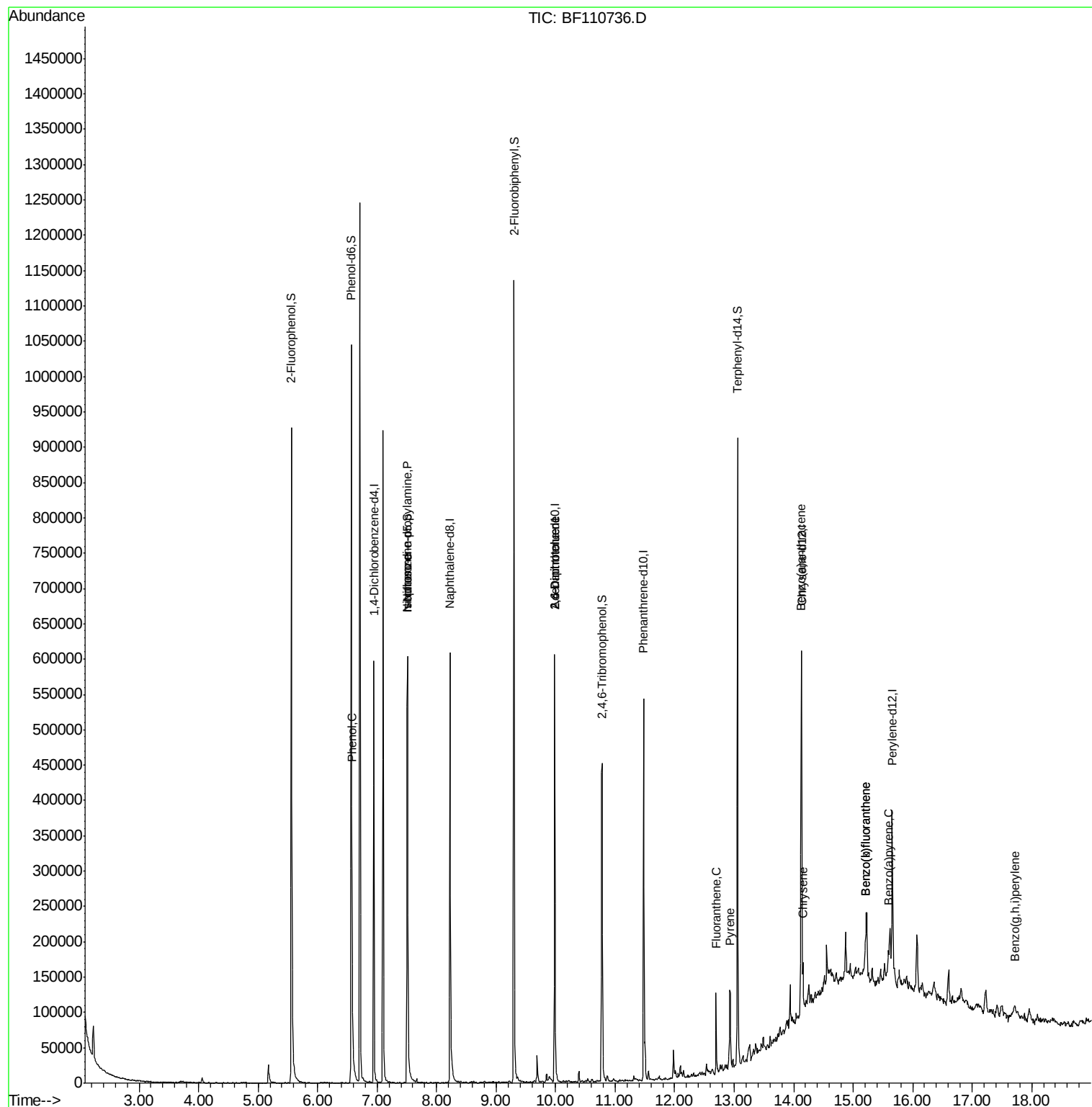
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	86289	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	331264	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	126761	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	207350	20.00	ng	0.00
76) Chrysene-d12	14.13	240	175799	20.00	ng	0.00
87) Perylene-d12	15.66	264	118129	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	304916	57.40	ng	0.00
7) Phenol-d6	6.57	99	376451	55.42	ng	0.00
23) Nitrobenzene-d5	7.51	82	226233	39.33	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	62116	48.63	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	358419	40.38	ng	0.00
79) Terphenyl-d14	13.06	244	287212	30.60	ng	-0.01
Target Compounds						
10) Phenol	6.58	94	17951	2.279	ng	# 73
19) n-Nitroso-di-n-propylamine	7.51	70	29163	6.725	ng	# 79
25) Isophorone	7.51	82	226231	23.996	ng	# 67
51) 2,6-Dinitrotoluene	9.99	165	16430	7.896	ng	# 21
57) 2,4-Dinitrotoluene	9.99	165	16430	6.073	ng	# 17
75) Fluoranthene	12.70	202	41139	3.694	ng	99
78) Pyrene	12.93	202	47544	3.512	ng	98
81) Benzo(a)anthracene	14.12	228	21027	2.001	ng	91
83) Chrysene	14.16	228	24125	2.410	ng	98
88) Benzo(b)fluoranthene	15.20	252	30363	4.297	ng	# 84
89) Benzo(k)fluoranthene	15.20	252	30363	4.348	ng	# 83
90) Benzo(a)pyrene	15.59	252	16429	2.559	ng	# 91
92) Benzo(g,h,i)perylene	17.72	276	12560	2.330	ng	# 81

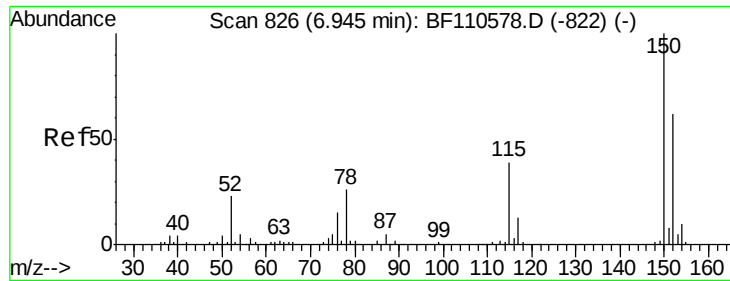
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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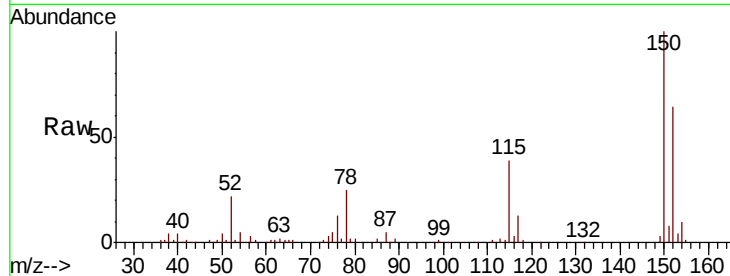




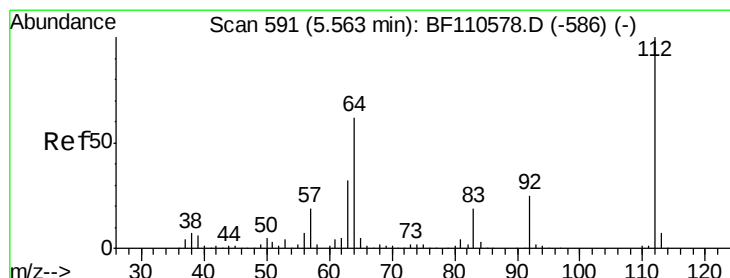
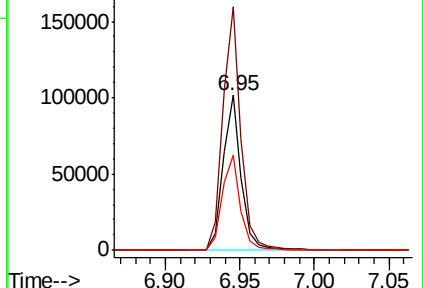
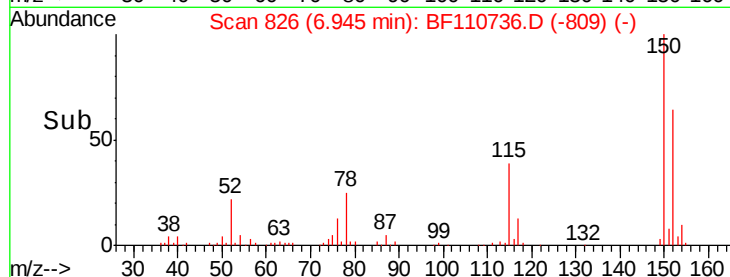
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BF110736.D
 Acq: 13 Nov 2018 23:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-111218-B

Tgt Ion:152 Resp: 86289
 Ion Ratio Lower Upper
 152 100
 150 156.9 122.7 184.1
 115 61.5 49.1 73.7

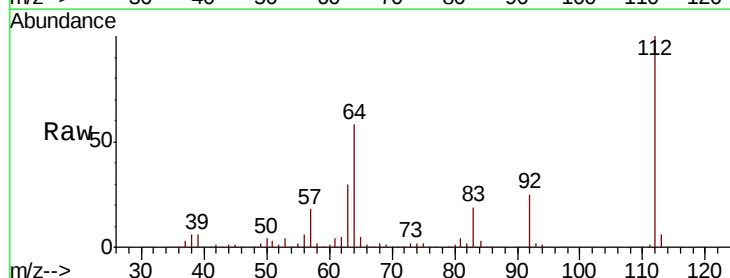


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

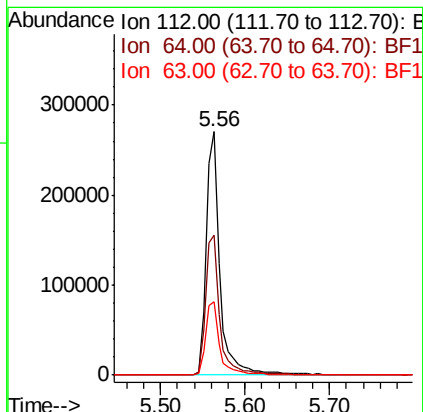
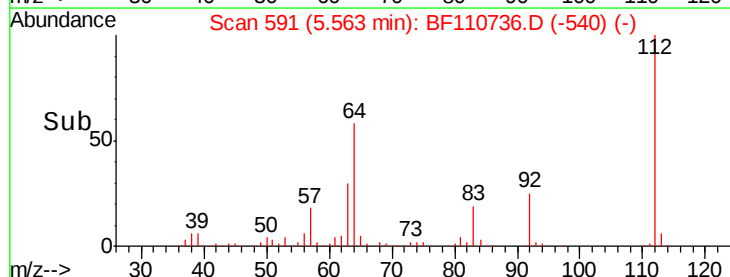


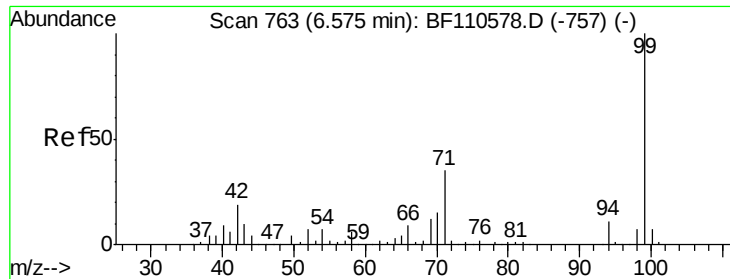
#5
 2-Fluorophenol
 Concen: 57.398 ng
 RT: 5.56 min Scan# 591
 Delta R.T. -0.00 min
 Lab File: BF110736.D
 Acq: 13 Nov 2018 23:06

Tgt Ion:112 Resp: 304916
 Ion Ratio Lower Upper
 112 100
 64 57.5 44.1 66.1
 63 30.0 23.7 35.5



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: 55.416 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-B

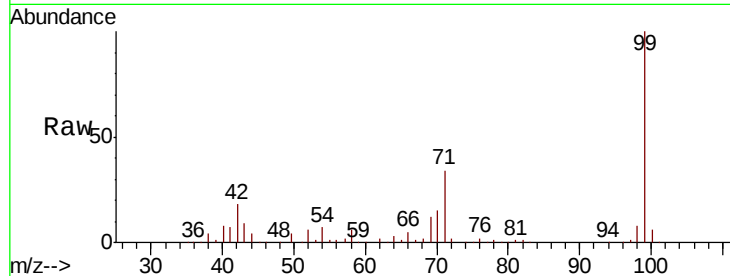
Tgt Ion: 99 Resp: 376451

Ion Ratio Lower Upper

99 100

42 18.2 15.8 23.6

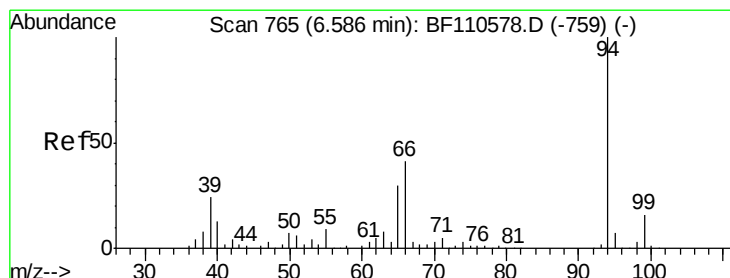
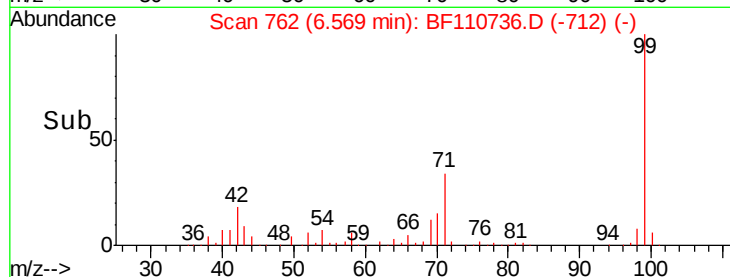
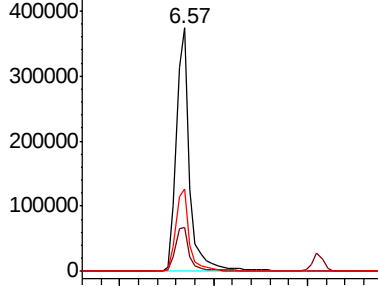
71 33.7 28.0 42.0



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: 2.279 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

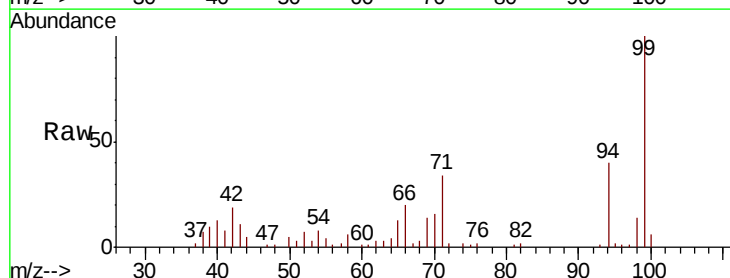
Tgt Ion: 94 Resp: 17951

Ion Ratio Lower Upper

94 100

65 31.3 25.3 65.3

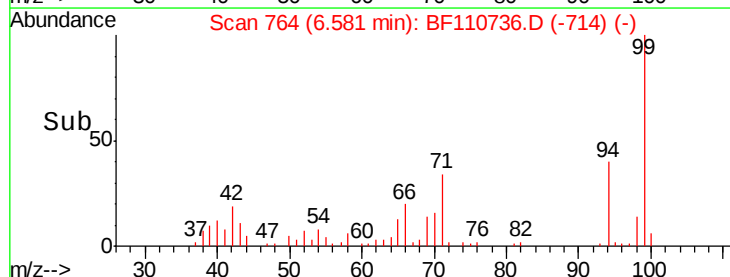
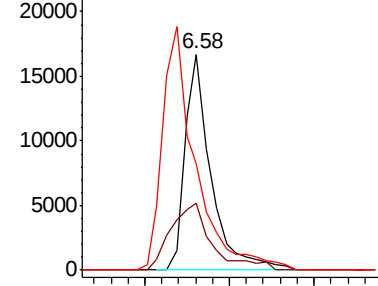
66 49.1 54.5 94.5#

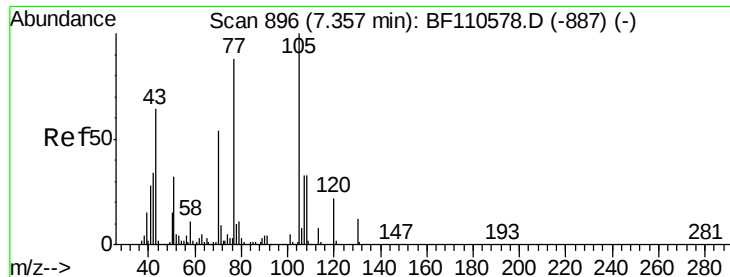


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

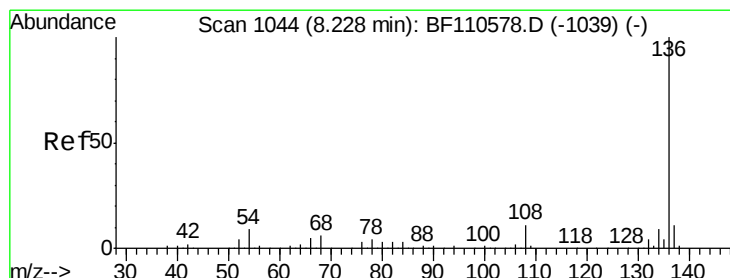
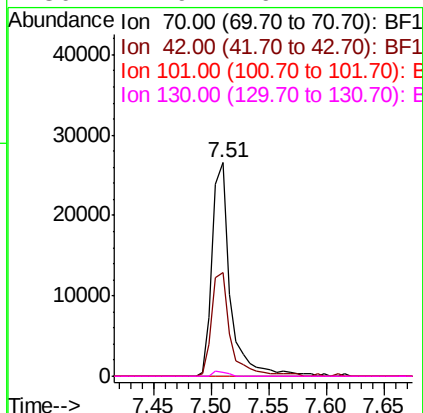
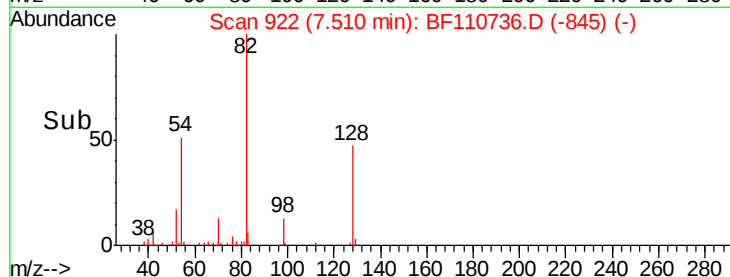
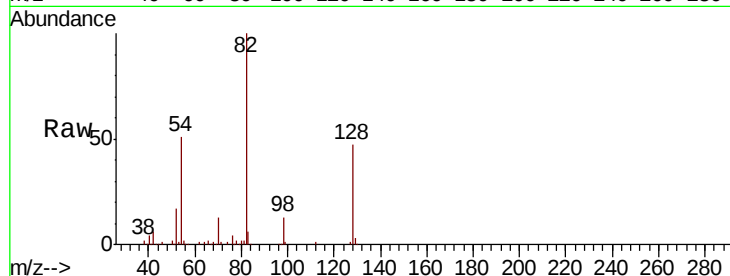




#19
n-Nitroso-di-n-propylamine
Concen: 6.725 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

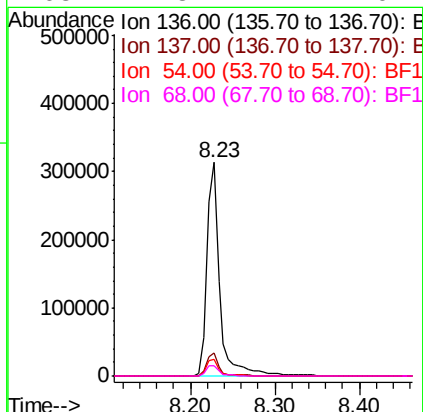
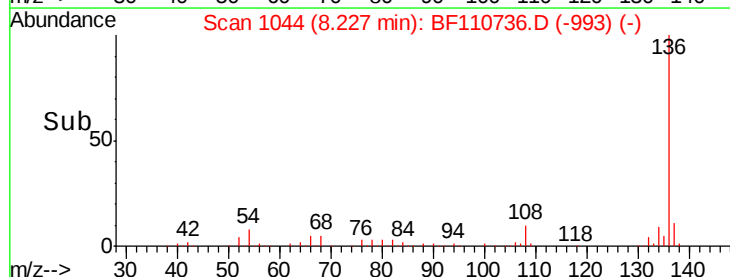
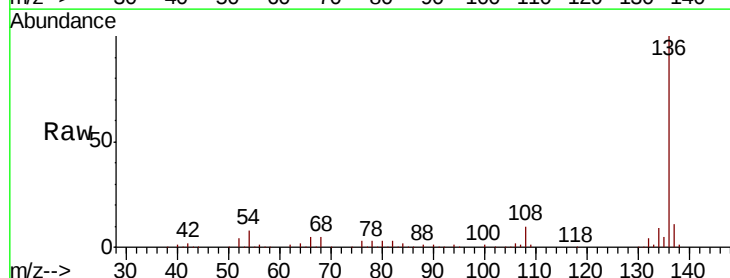
Instrument :
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ClientSampleId :
OR-01-111218-B

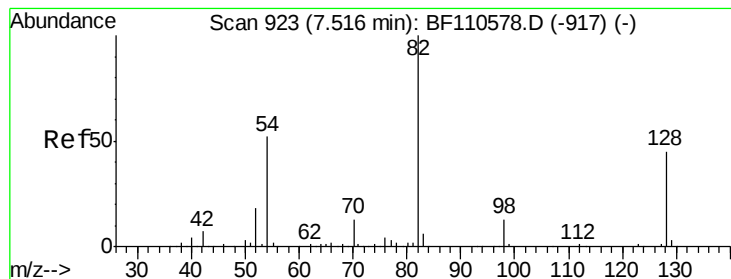
Tgt Ion: 70 Resp: 29163
Ion Ratio Lower Upper
70 100
42 48.9 47.4 71.2
101 0.0 7.3 10.9#
130 1.9 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Tgt Ion: 136 Resp: 331264
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.6 5.4 8.2
68 4.8 4.2 6.2





#23

Nitrobenzene-d5

Concen: 39.330 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-B

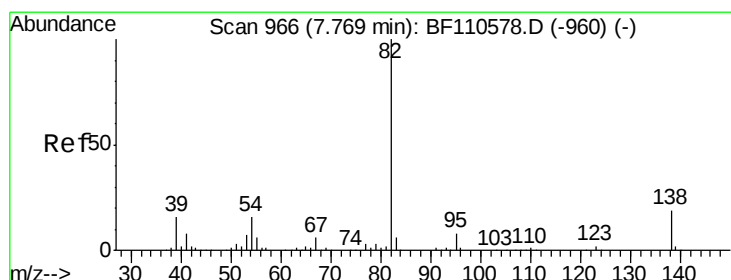
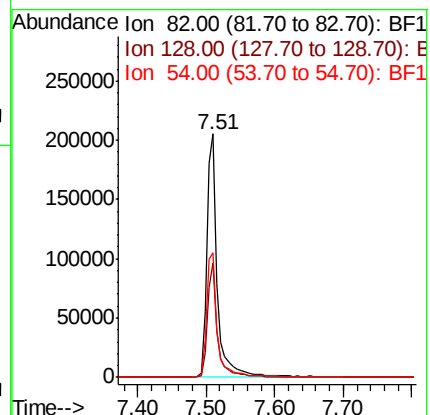
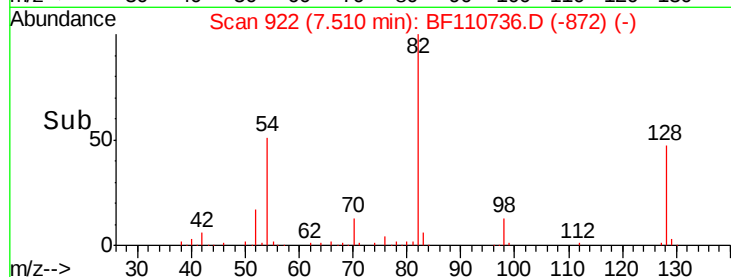
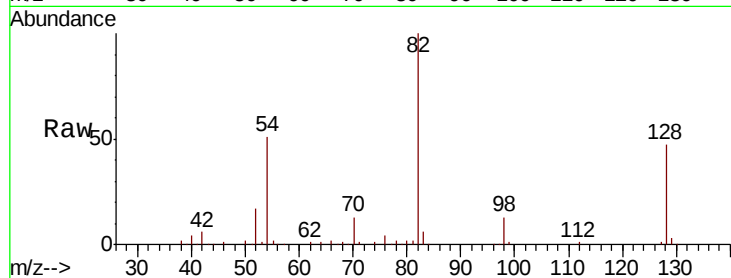
Tgt Ion: 82 Resp: 226233

Ion Ratio Lower Upper

82 100

128 47.1 34.2 51.2

54 51.4 38.6 58.0



#25

Isophorone

Concen: 23.996 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.26 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

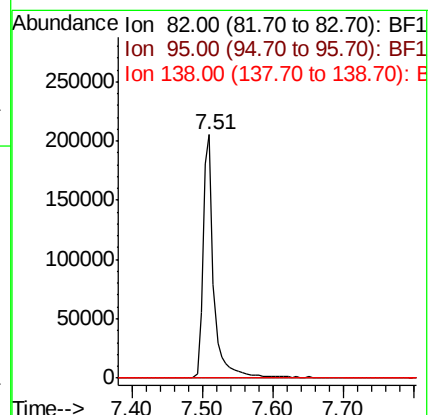
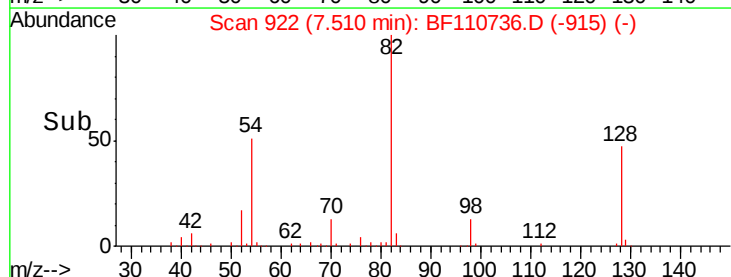
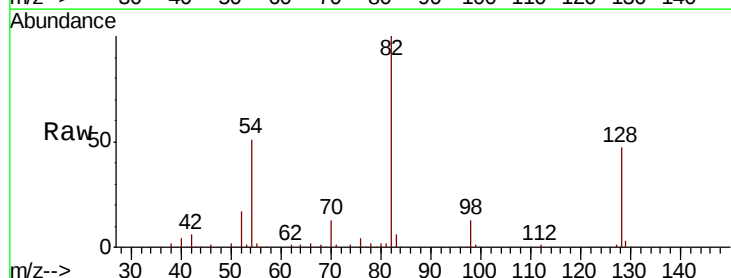
Tgt Ion: 82 Resp: 226231

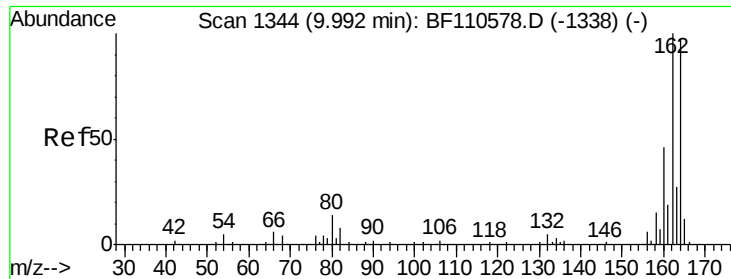
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110736.D

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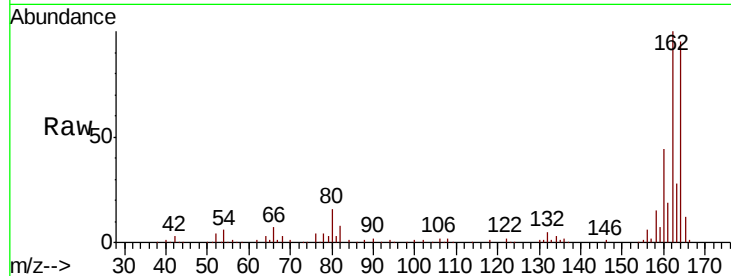
Tgt Ion:164 Resp: 126761

Ion Ratio Lower Upper

164 100

162 104.8 83.0 124.6

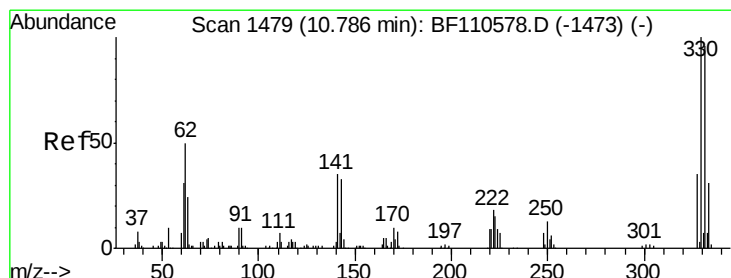
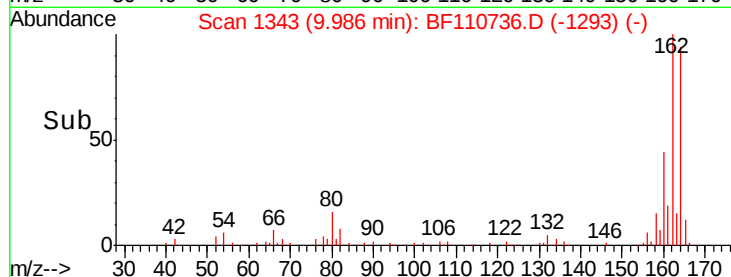
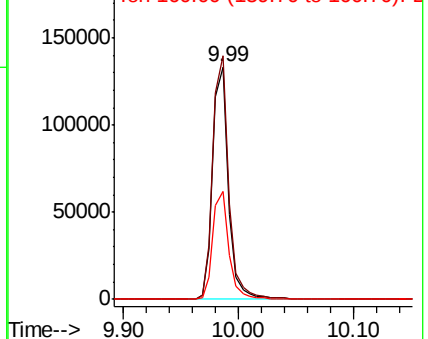
160 46.2 37.0 55.6



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: 48.632 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

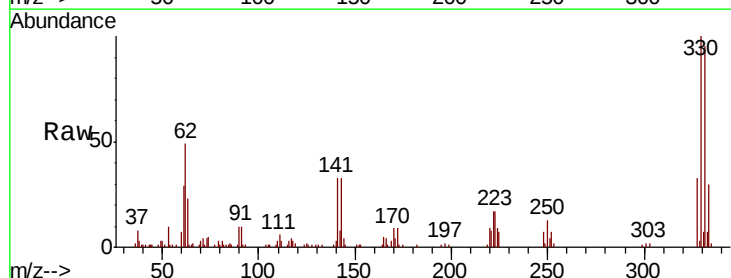
Tgt Ion:330 Resp: 62116

Ion Ratio Lower Upper

330 100

332 95.3 77.1 115.7

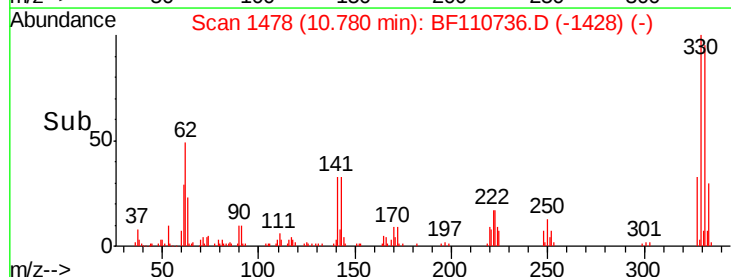
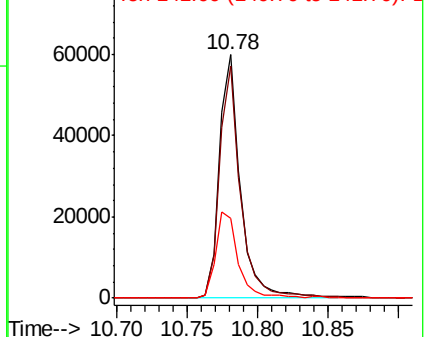
141 37.8 27.0 40.4

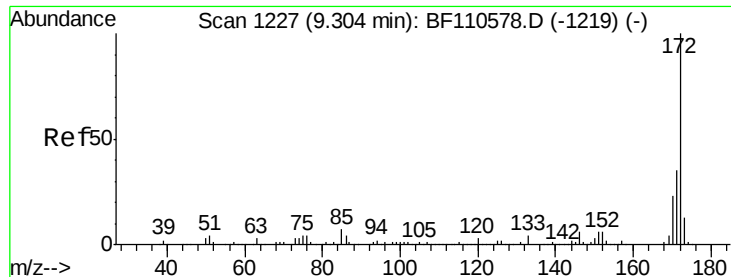


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

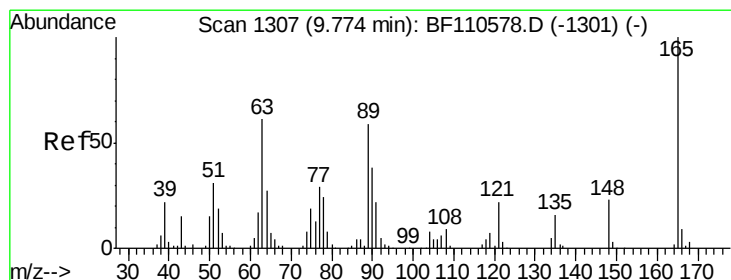
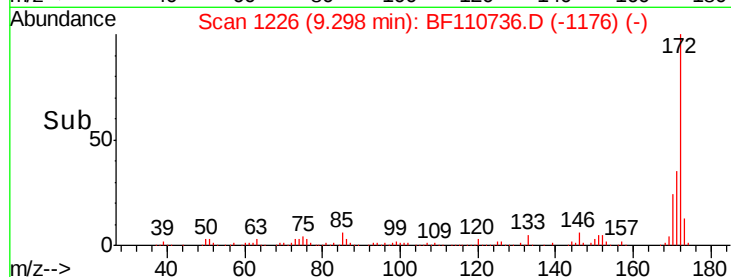
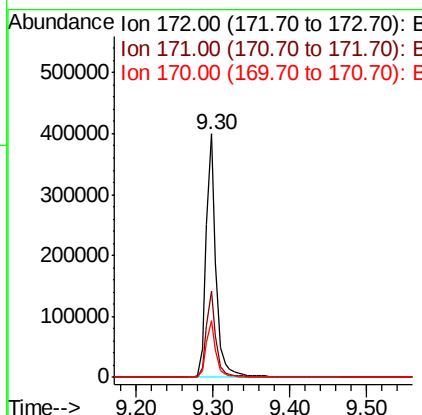
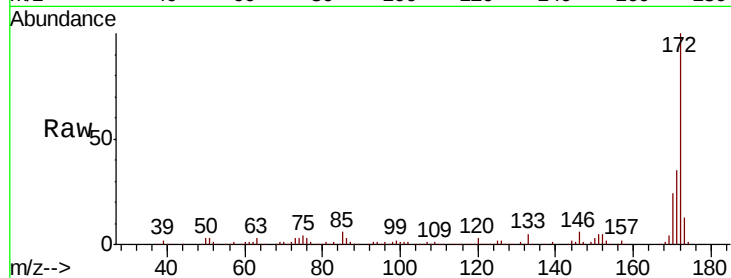




#45
 2-Fluorobiphenyl
 Concen: 40.382 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110736.D
 Acq: 13 Nov 2018 23:06

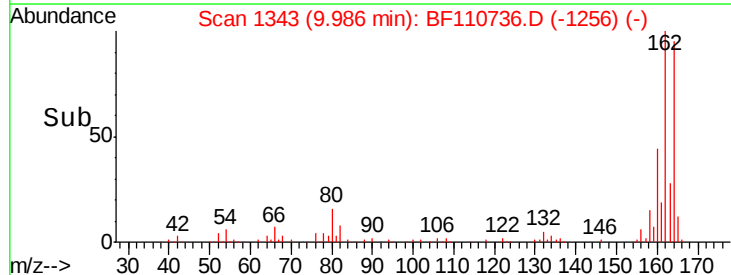
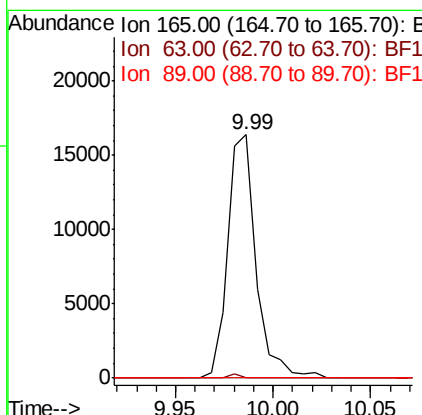
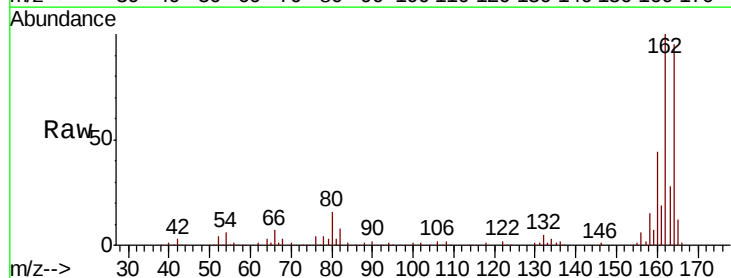
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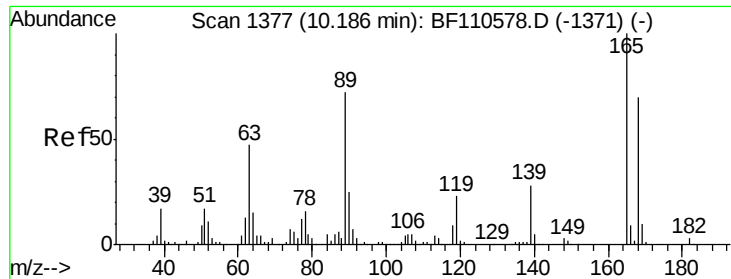
Tgt Ion:172 Resp: 358419
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 43.0
 170 23.5 19.7 29.5



#51
 2,6-Dinitrotoluene
 Concen: 7.896 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110736.D
 Acq: 13 Nov 2018 23:06

Tgt Ion:165 Resp: 16430
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.9 73.3#
 89 0.0 46.6 69.8#

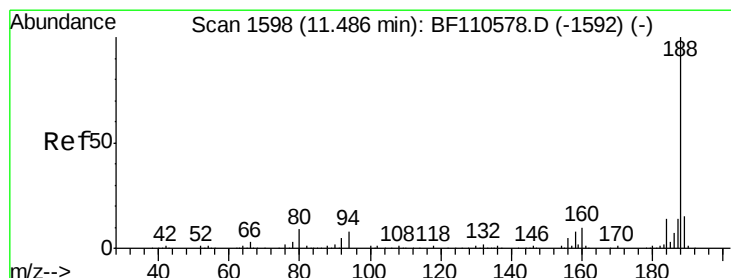
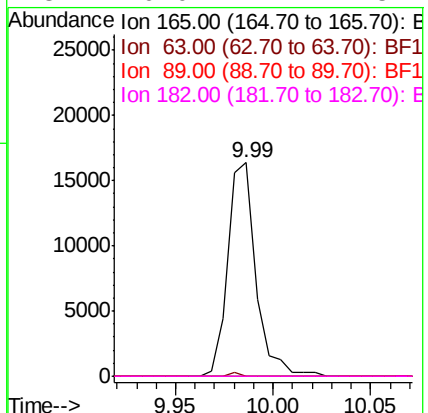
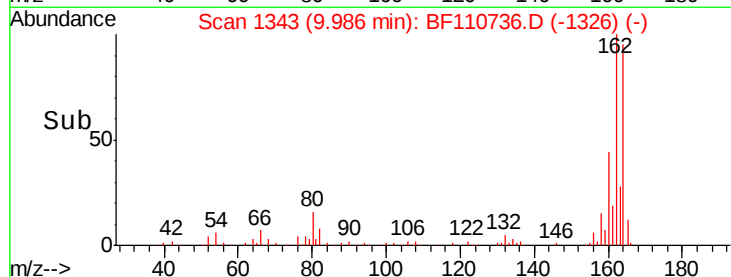
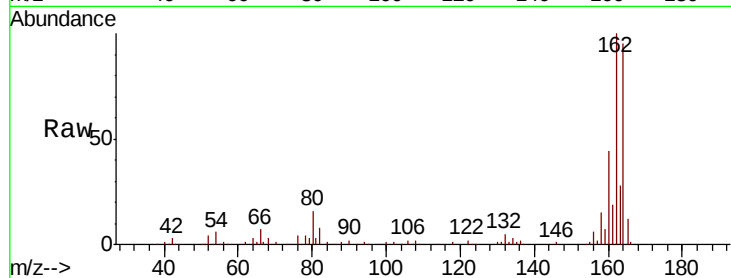




#57
 2,4-Dinitrotoluene
 Concen: 6.073 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110736.D
 Acq: 13 Nov 2018 23:06

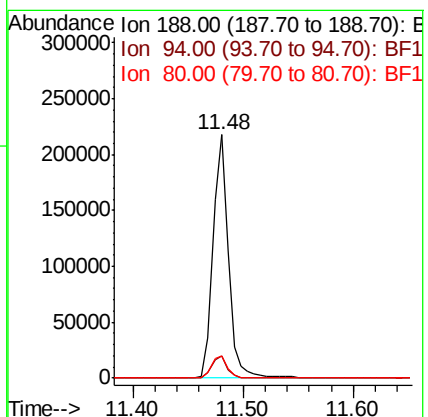
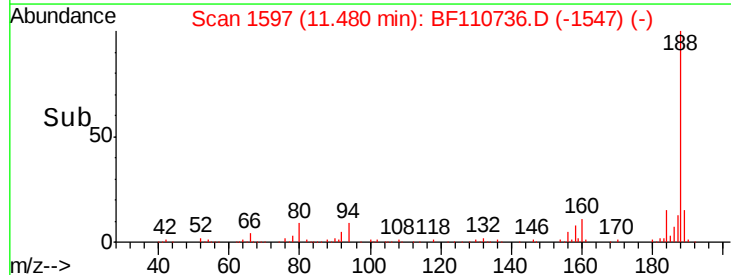
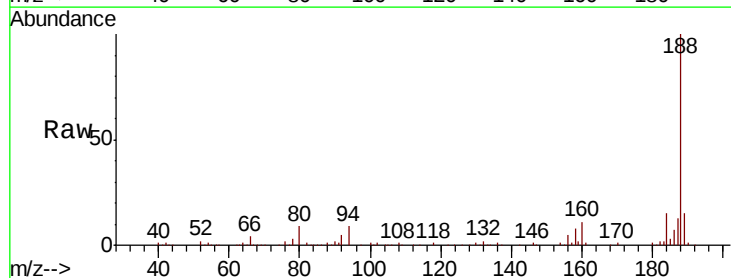
Instrument :
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 OR-01-111218-B

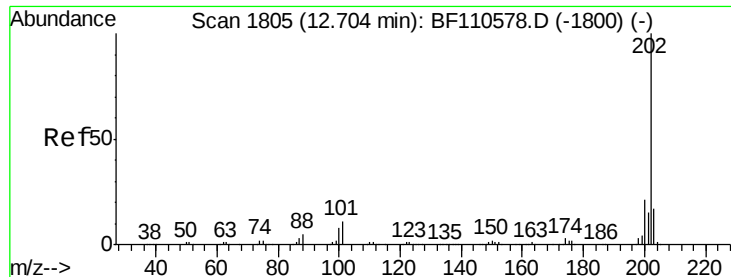
Tgt Ion:	165	Resp:	16430
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110736.D
 Acq: 13 Nov 2018 23:06

Tgt Ion:	188	Resp:	207350
Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.2	10.8
80	9.2	7.9	11.9





#75

Fluoranthene

Concen: 3.694 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-B

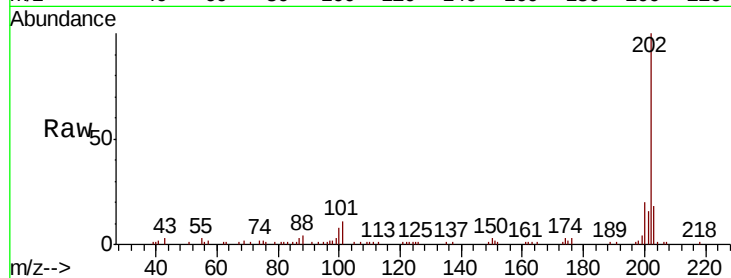
Tgt Ion:202 Resp: 41139

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

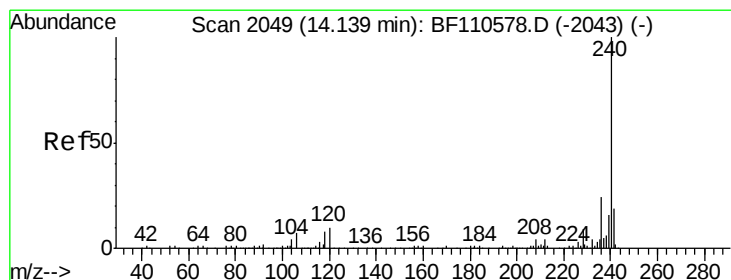
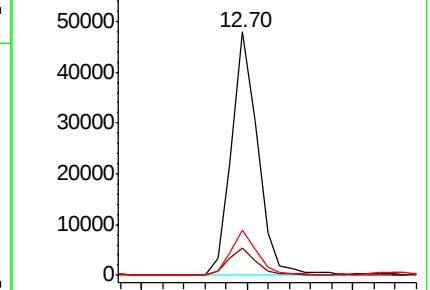
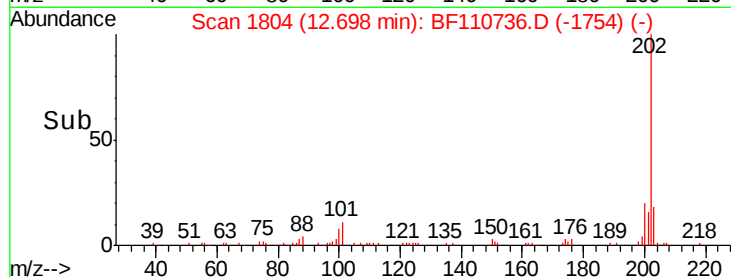
203 18.4 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

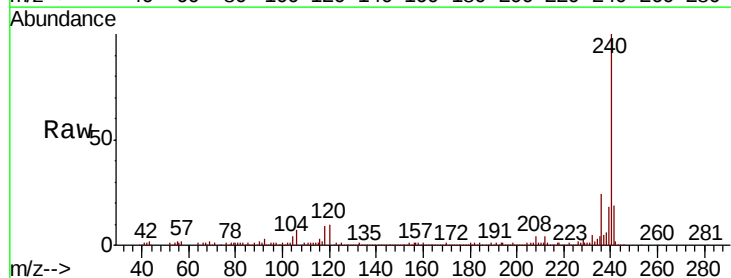
Tgt Ion:240 Resp: 175799

Ion Ratio Lower Upper

240 100

120 9.6 8.3 12.5

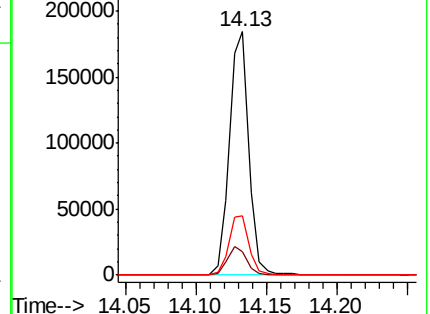
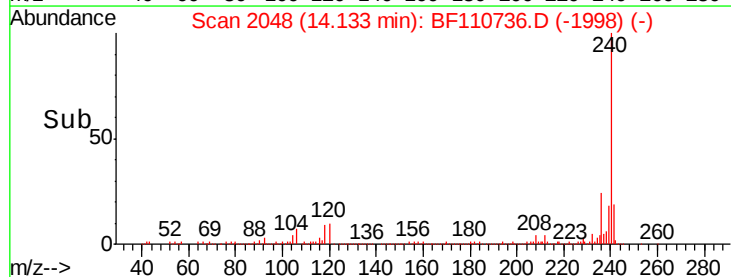
236 24.2 21.2 31.8

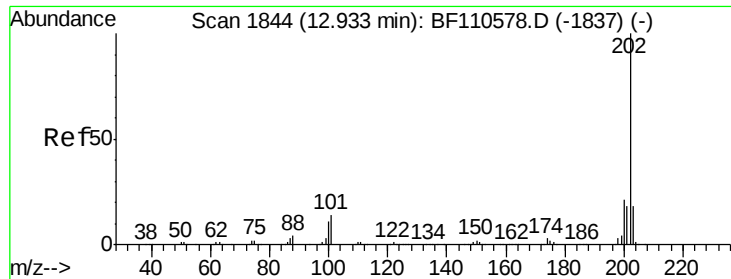


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

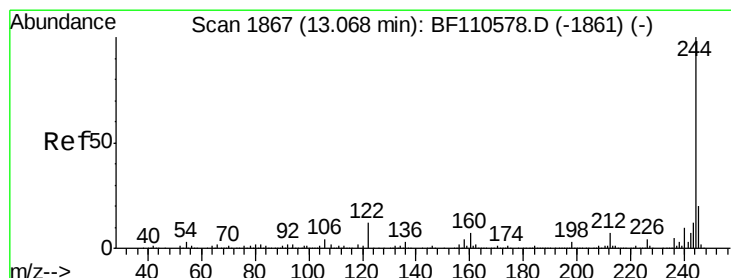
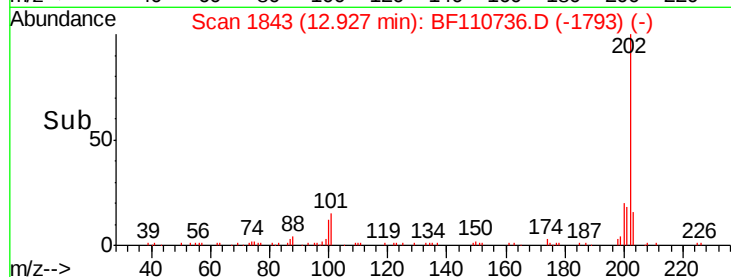
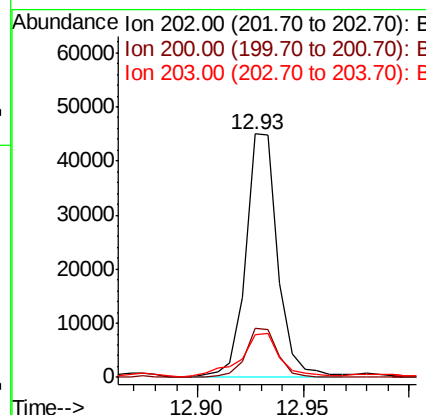
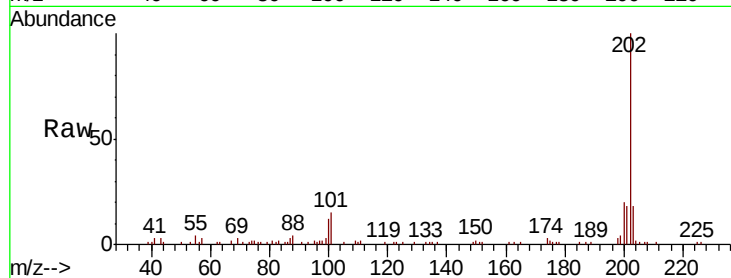




#78
Pyrene
Concen: 3.512 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

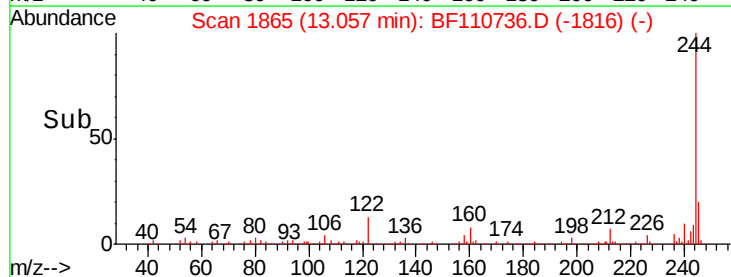
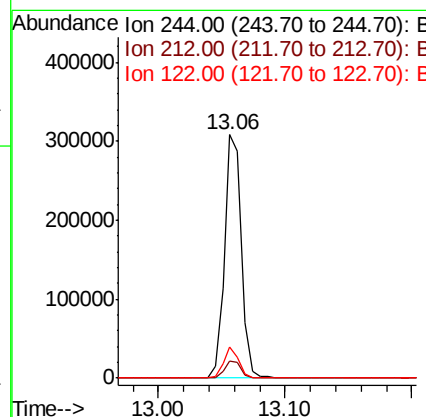
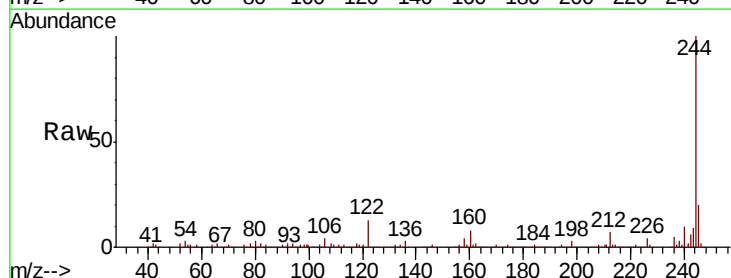
Instrument :
BNA_F
ClientSampleId :
OR-01-111218-B

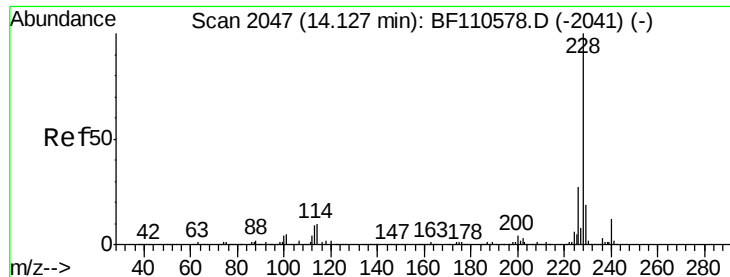
Tgt Ion: 202 Resp: 47544
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.6
203 17.6 14.2 21.4



#79
Terphenyl-d14
Concen: 30.596 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Tgt Ion: 244 Resp: 287212
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 12.8 8.7 13.1

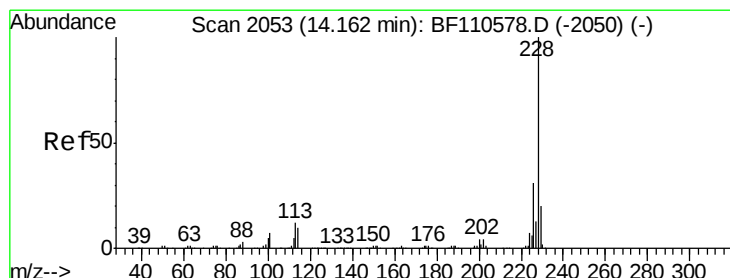
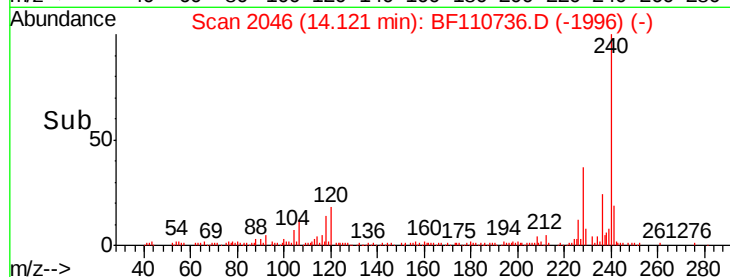
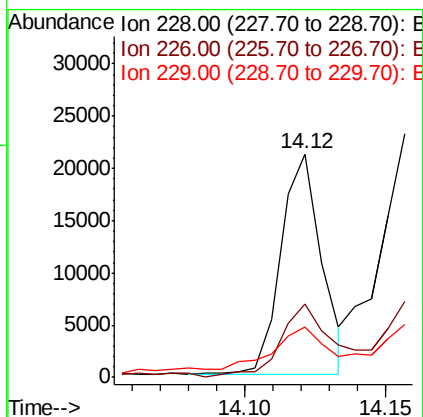
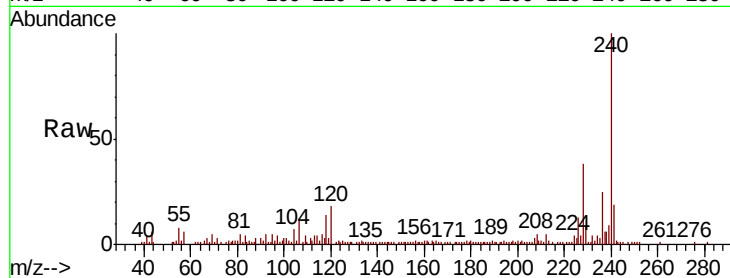




#81
Benzo(a)anthracene
Concen: 2.001 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

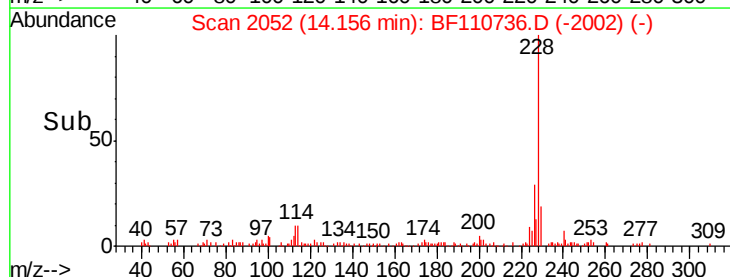
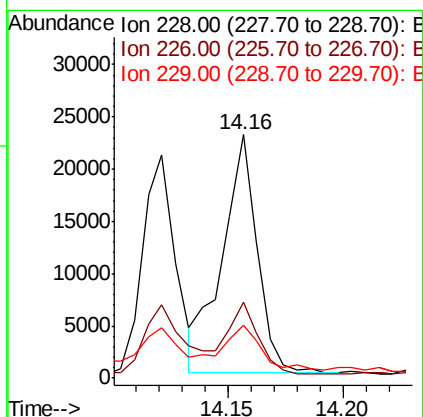
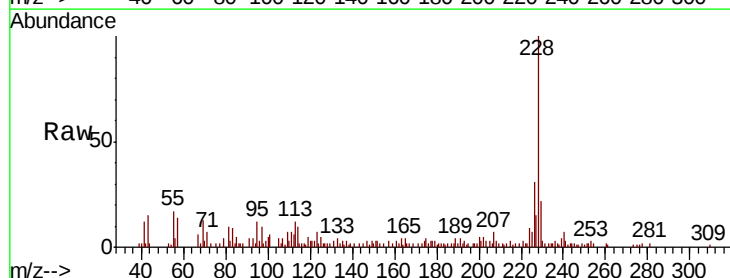
Instrument :
BNA_F
ClientSampleId :
OR-01-111218-B

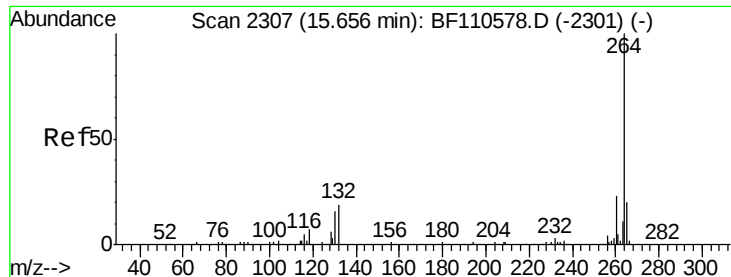
Tgt Ion:228 Resp: 21027
Ion Ratio Lower Upper
228 100
226 33.0 22.1 33.1
229 22.5 15.6 23.4



#83
Chrysene
Concen: 2.410 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Tgt Ion:228 Resp: 24125
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 21.8 15.9 23.9



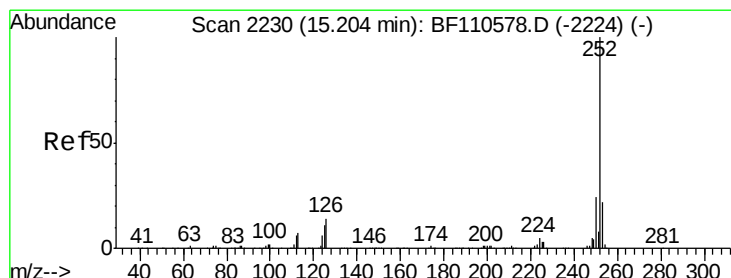
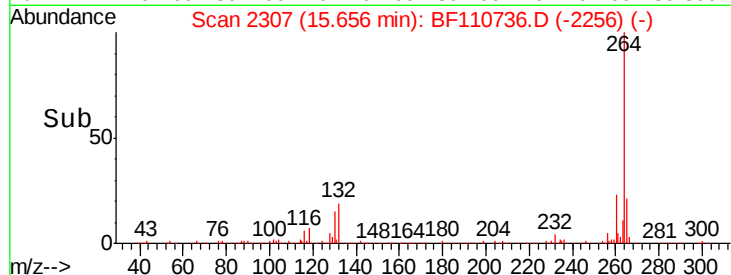
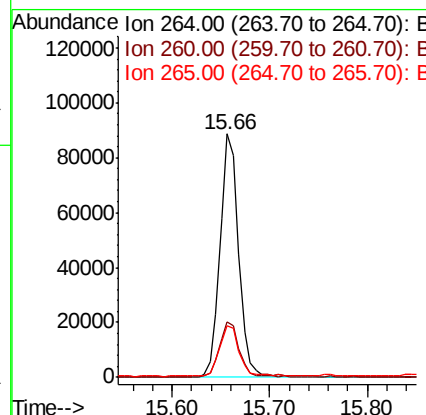
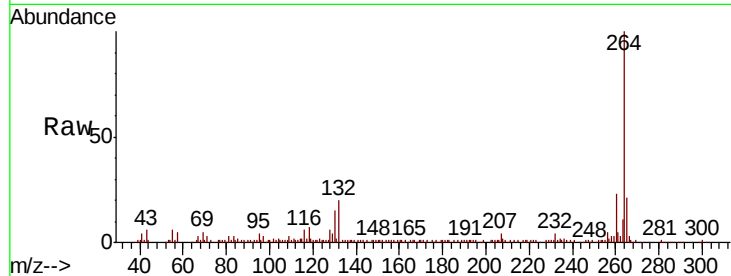


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-111218-B

Tgt Ion:264 Resp: 118129

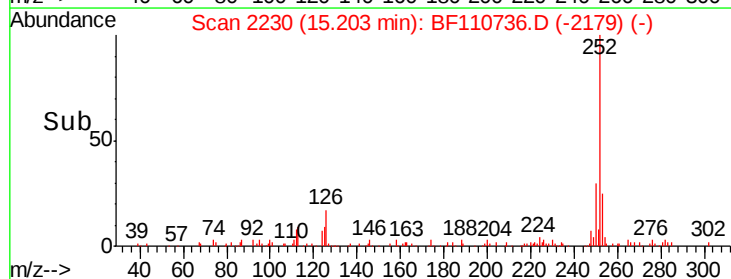
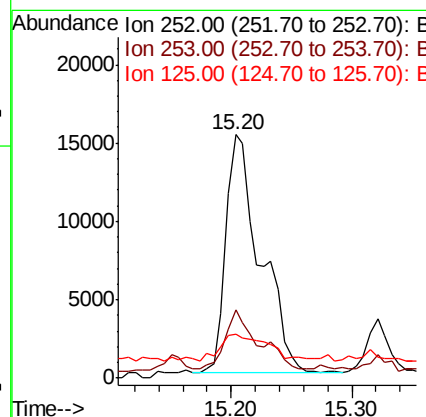
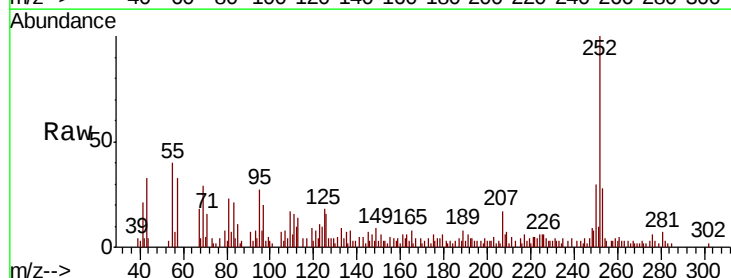
Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.7	28.1
265	21.2	16.7	25.1

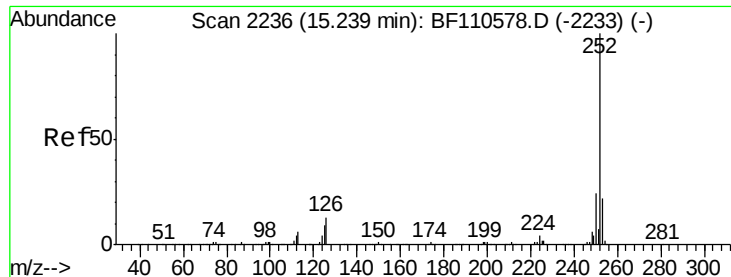


#88
Benzo(b)fluoranthene
Concen: 4.297 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Tgt Ion:252 Resp: 30363

Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.2	25.8#
125	17.9	8.2	12.4#

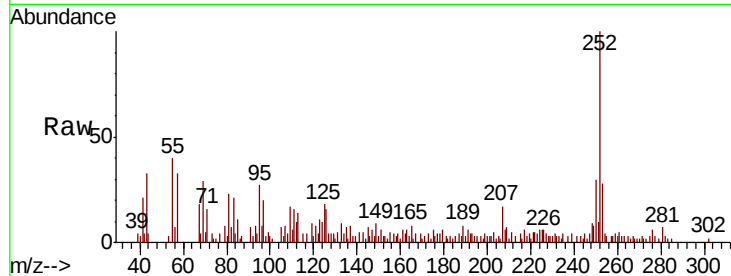




#89
Benzo(k)fluoranthene
Concen: 4.348 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Instrument :
BNA_F
ClientSampleId :
OR-01-111218-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.2	25.8#
125	17.9	7.4	11.0#

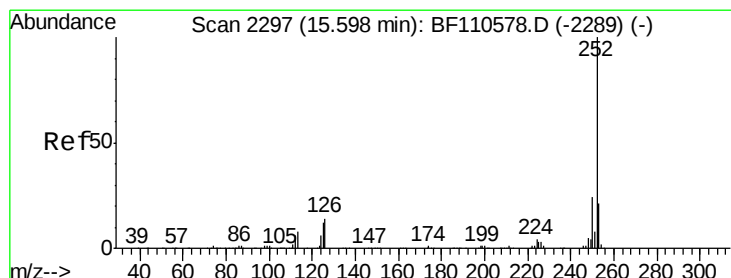
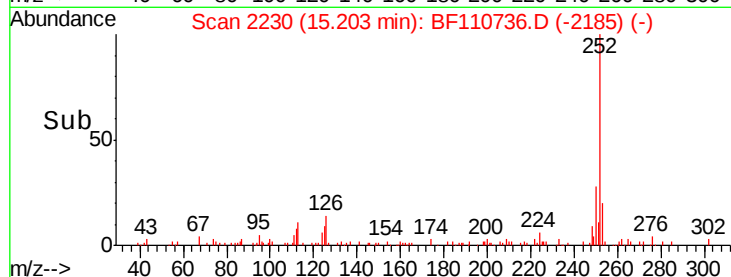
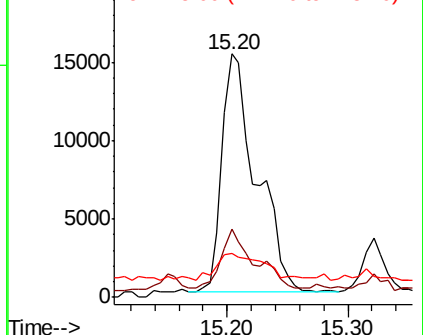


Abundance

Ion 252.00 (251.70 to 252.70): E

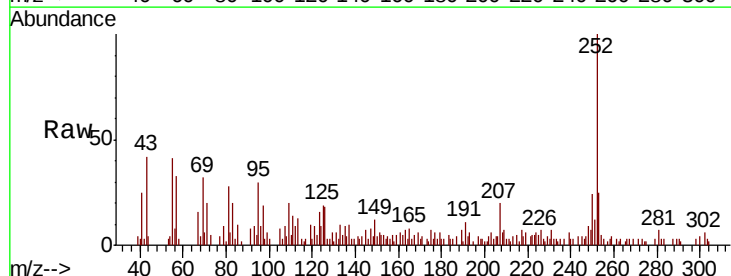
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.559 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110736.D
Acq: 13 Nov 2018 23:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	18.6	9.0	13.6#

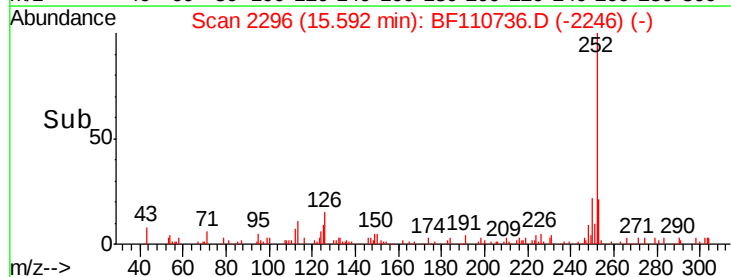
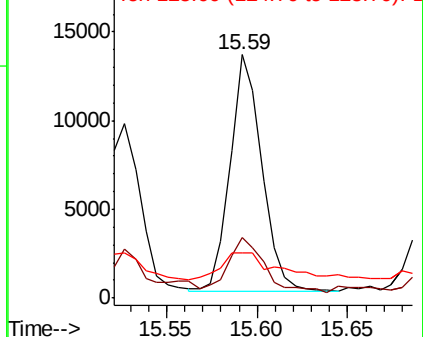


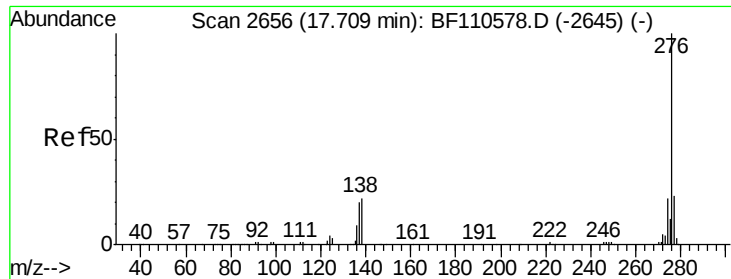
Abundance

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: 2.330 ng

RT: 17.72 min Scan# 2657

Delta R.T. 0.01 min

Lab File: BF110736.D

Acq: 13 Nov 2018 23:06

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-B

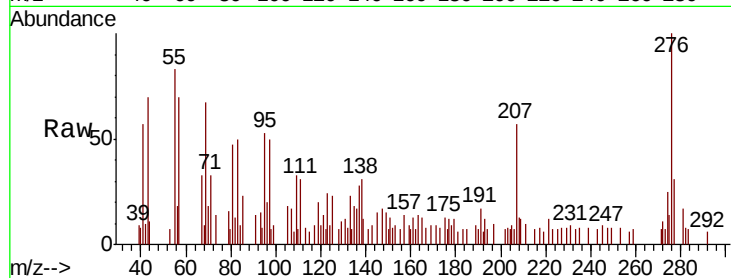
Tgt Ion:276 Resp: 12560

Ion Ratio Lower Upper

276 100

277 30.8 18.8 28.2#

138 30.9 16.0 24.0#



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

