

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110735.D
 Acq On : 13 Nov 2018 22:38
 Operator : JU/SJ
 Sample : J5770-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 14 04:31:13 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	83441	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	314824	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	124430	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	199039	20.00	ng	0.00
76) Chrysene-d12	14.13	240	171545	20.00	ng	-0.01
87) Perylene-d12	15.66	264	115898	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	277923	54.10	ng	0.00
7) Phenol-d6	6.57	99	342695	52.17	ng	0.00
23) Nitrobenzene-d5	7.51	82	204383	37.39	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	55473	44.24	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	338796	38.89	ng	0.00
79) Terphenyl-d14	13.06	244	260588	28.45	ng	-0.01

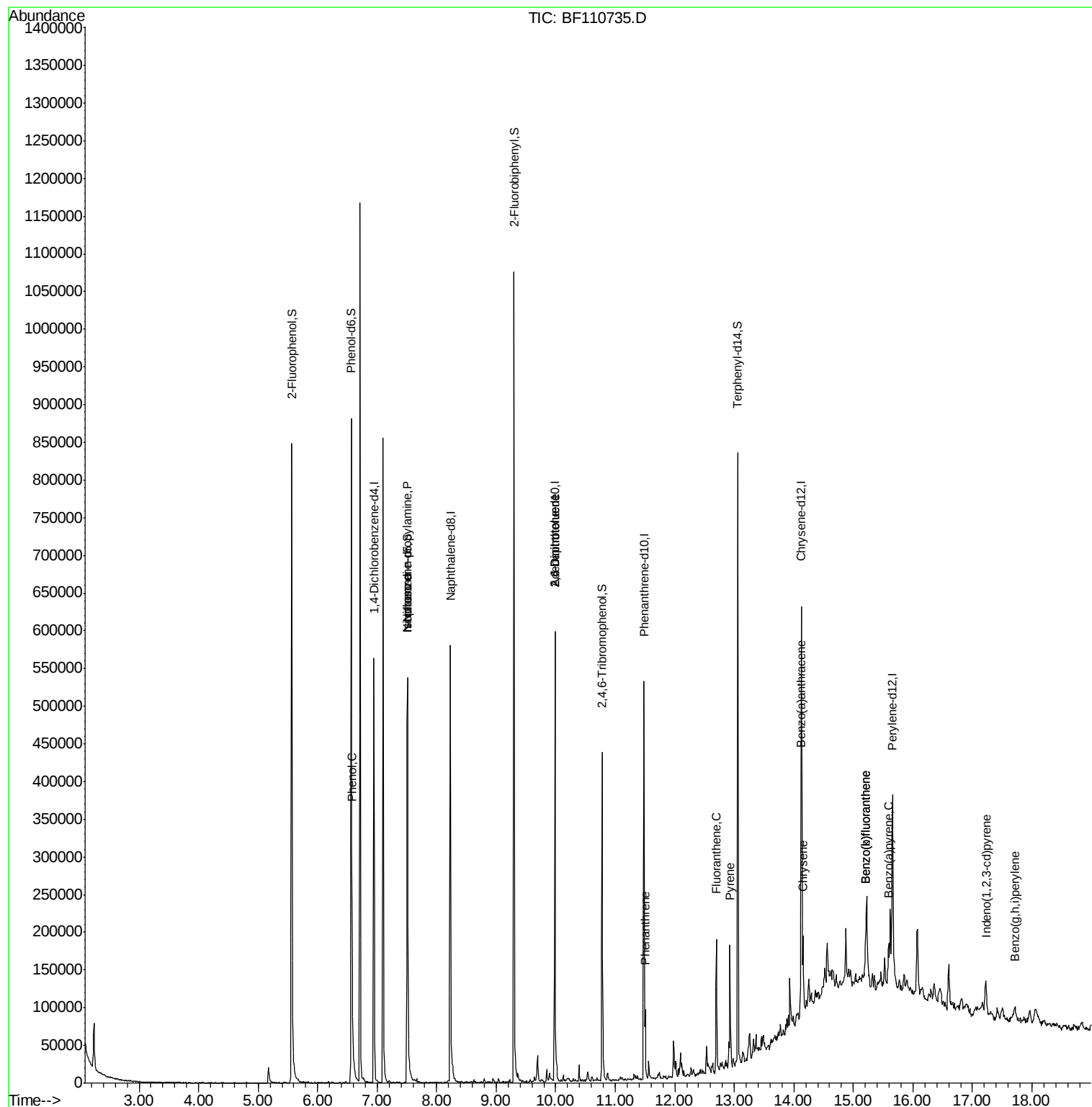
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	635	Below Cal		# 1
10) Phenol	6.58	94	15833	2.079	ng	# 72
19) n-Nitroso-di-n-propylamine	7.51	70	26586	6.340	ng	# 80
25) Isophorone	7.51	82	204381	22.811	ng	# 67
51) 2,6-Dinitrotoluene	9.99	165	15156	7.421	ng	# 22
57) 2,4-Dinitrotoluene	9.99	165	15156	5.707	ng	# 18
71) Phenanthrene	11.50	178	33396	3.132	ng	98
75) Fluoranthene	12.70	202	66364	6.208	ng	98
78) Pyrene	12.93	202	68423	5.180	ng	97
81) Benzo(a)anthracene	14.12	228	34296	3.345	ng	97
83) Chrysene	14.16	228	36291	3.715	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	14110	2.013	ng	# 92
88) Benzo(b)fluoranthene	15.20	252	43492	6.273	ng	# 88
89) Benzo(k)fluoranthene	15.20	252	43492	6.348	ng	# 88
90) Benzo(a)pyrene	15.59	252	24059	3.819	ng	# 93
92) Benzo(g,h,i)perylene	17.72	276	13135	2.483	ng	# 87

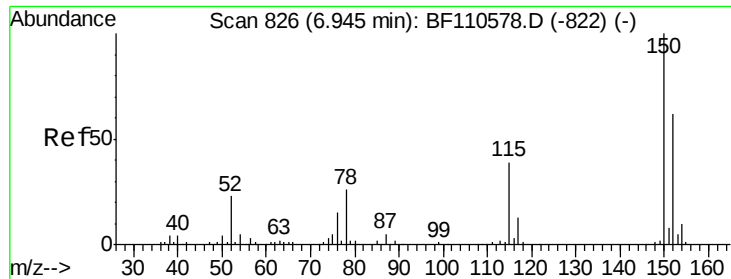
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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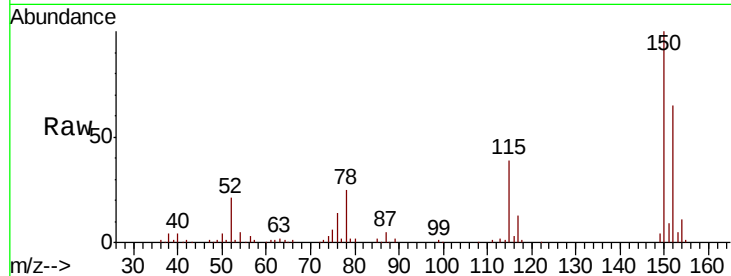




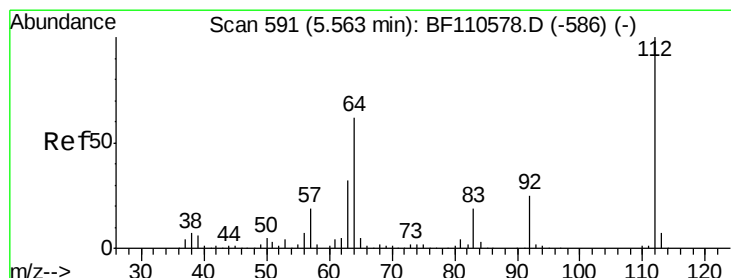
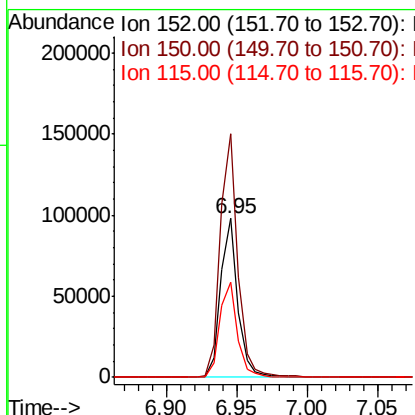
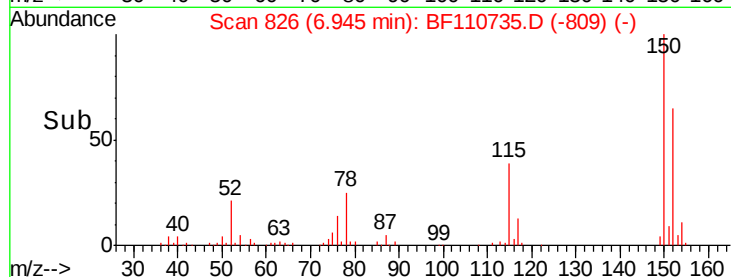
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

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

Tgt Ion:152 Resp: 83441
 Ion Ratio Lower Upper
 152 100
 150 153.1 122.7 184.1
 115 59.5 49.1 73.7

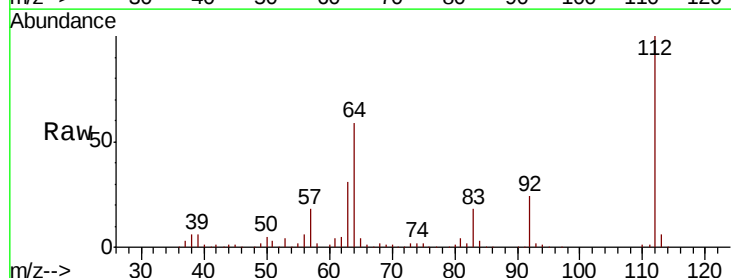


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

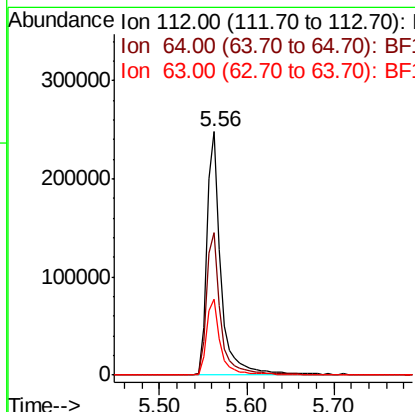
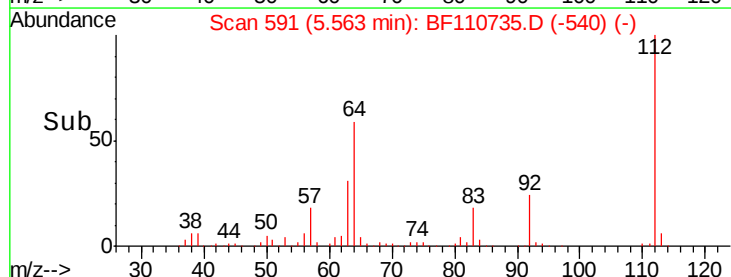


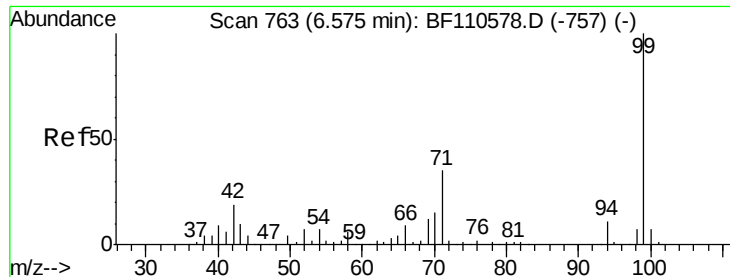
#5
 2-Fluorophenol
 Concen: 54.102 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

Tgt Ion:112 Resp: 277923
 Ion Ratio Lower Upper
 112 100
 64 58.5 44.1 66.1
 63 31.2 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: 52.169 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A

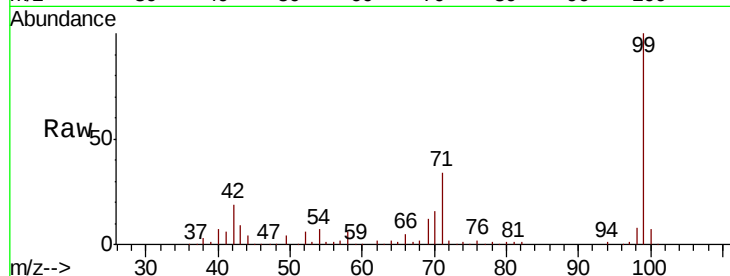
Tgt Ion: 99 Resp: 342695

Ion Ratio Lower Upper

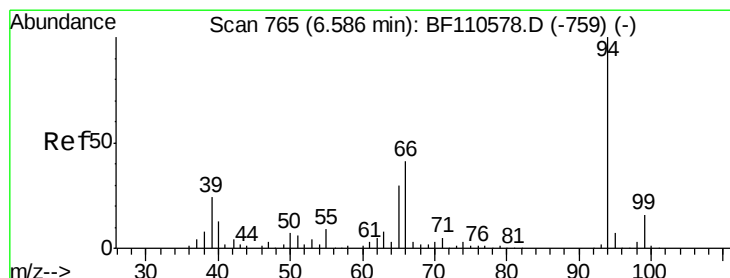
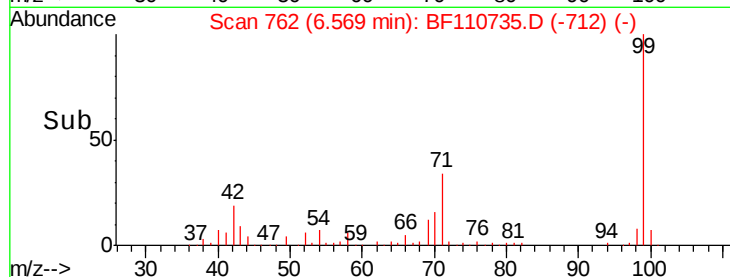
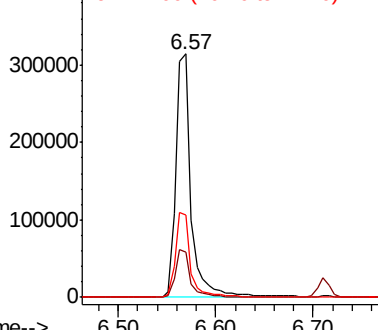
99 100

42 18.8 15.8 23.6

71 34.0 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: 2.079 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

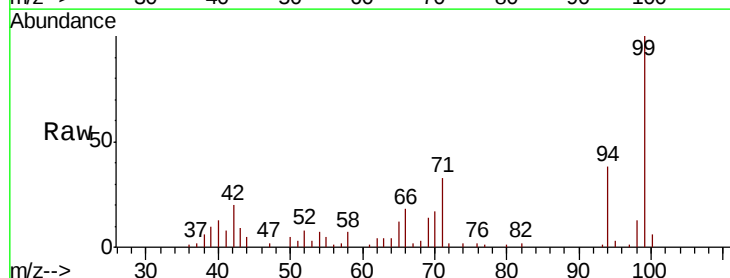
Tgt Ion: 94 Resp: 15833

Ion Ratio Lower Upper

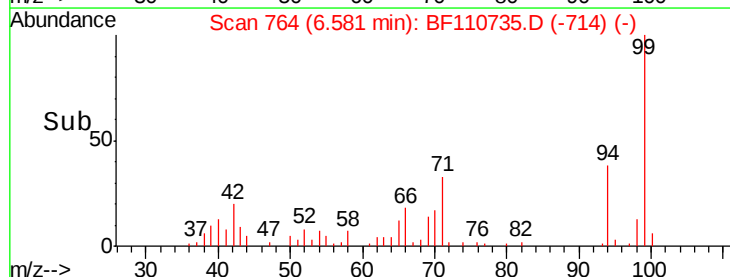
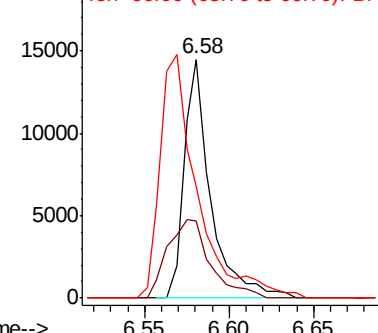
94 100

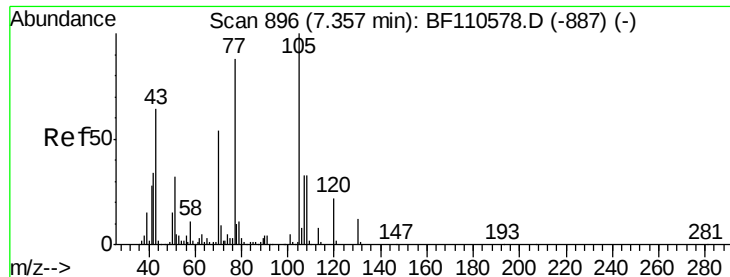
65 32.6 25.3 65.3

66 47.0 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

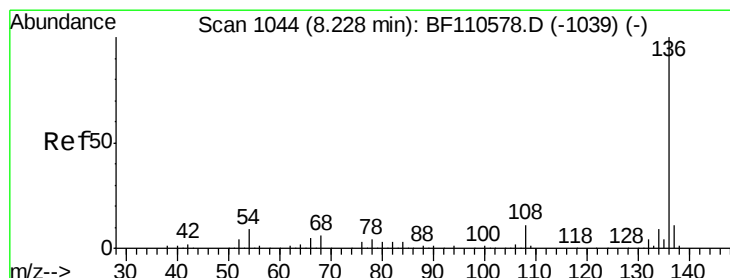
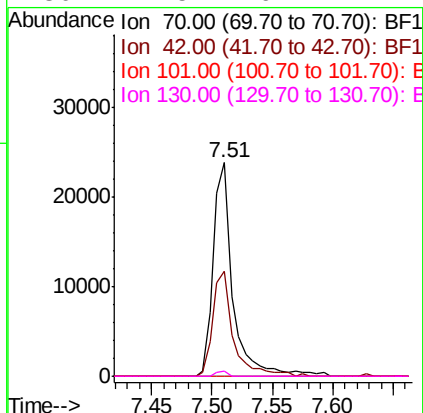
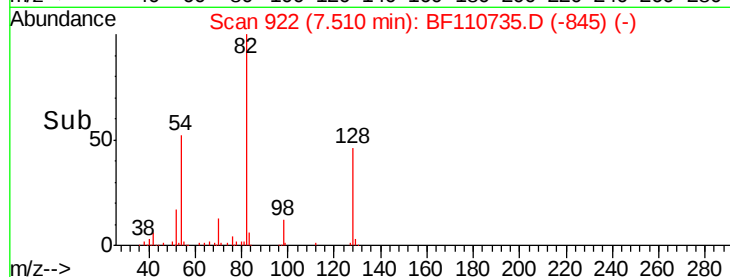
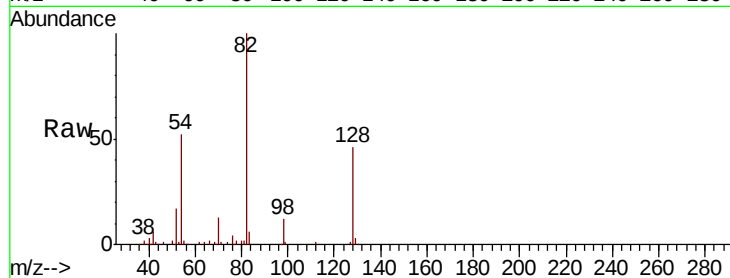




#19
n-Nitroso-di-n-propylamine
Concen: 6.340 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110735.D
Acq: 13 Nov 2018 22:38

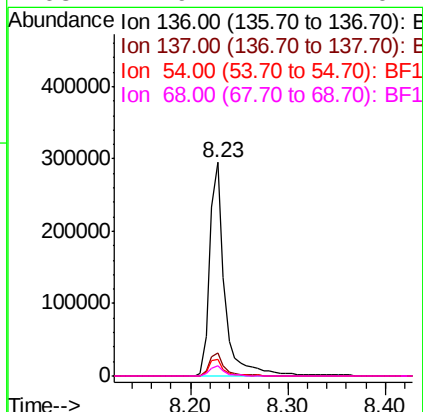
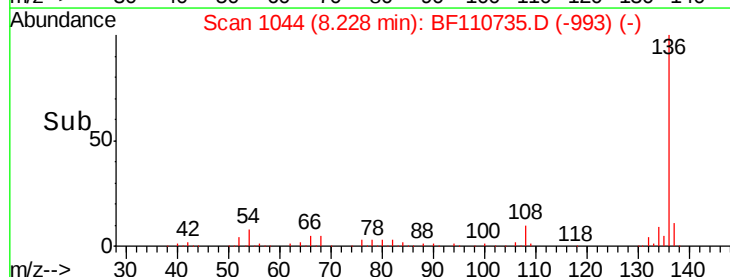
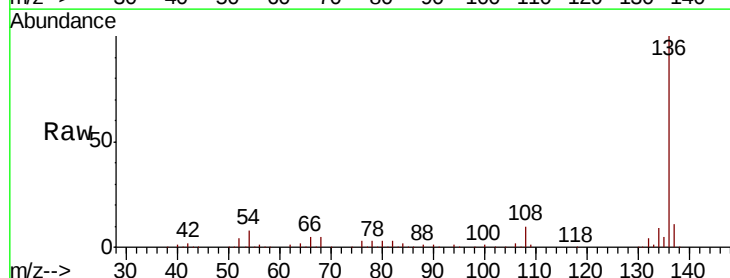
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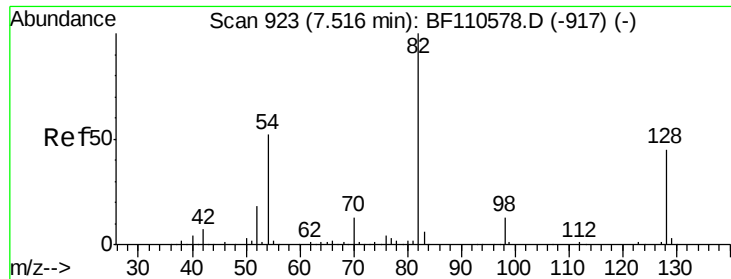
Tgt Ion: 70 Resp: 26586
Ion Ratio Lower Upper
70 100
42 49.4 47.4 71.2
101 0.0 7.3 10.9#
130 2.5 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110735.D
Acq: 13 Nov 2018 22:38

Tgt Ion: 136 Resp: 314824
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 5.4 8.2
68 4.9 4.2 6.2

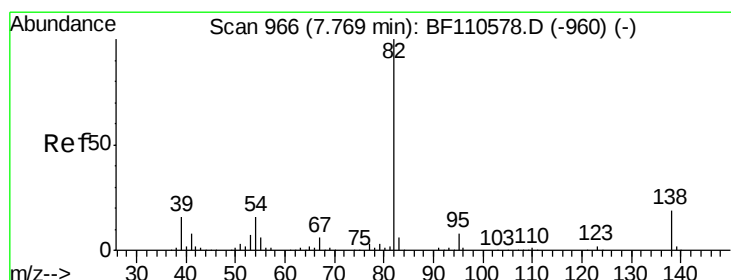
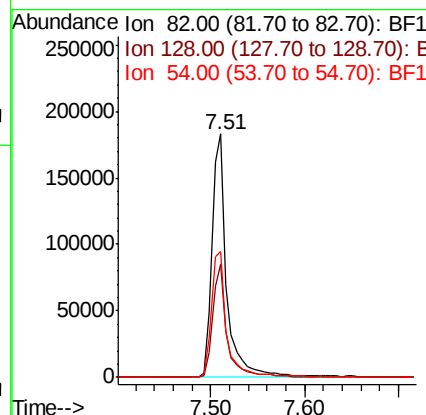
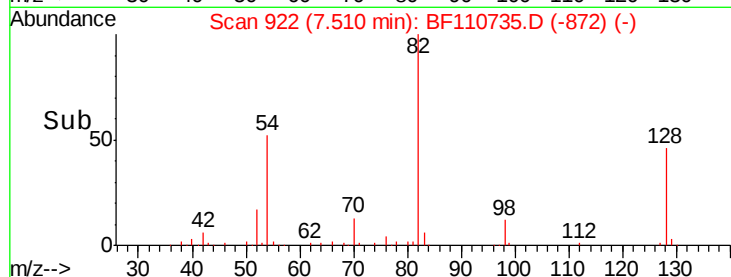
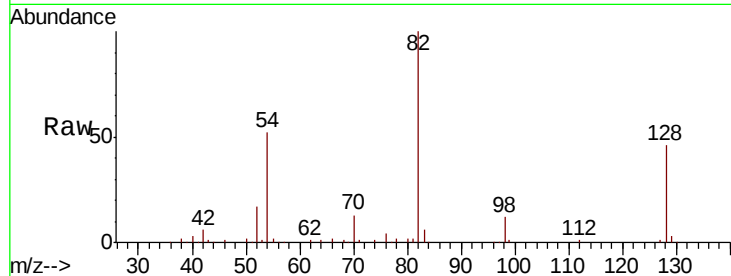




#23
 Nitrobenzene-d5
 Concen: 37.387 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

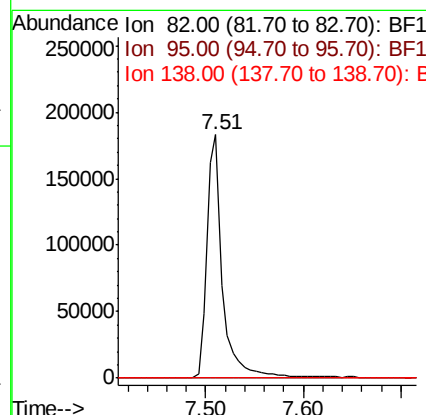
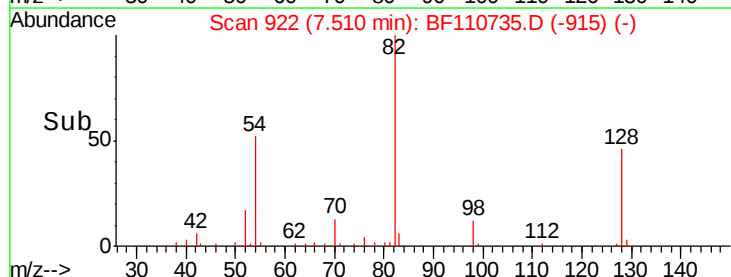
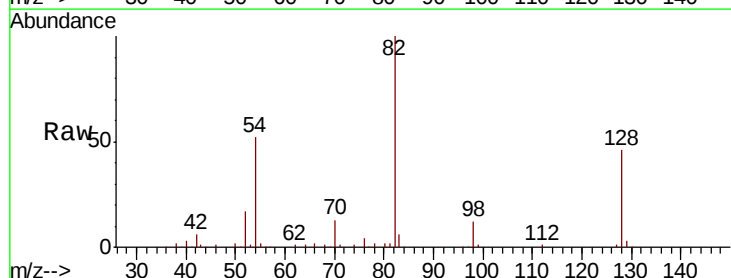
Instrument :
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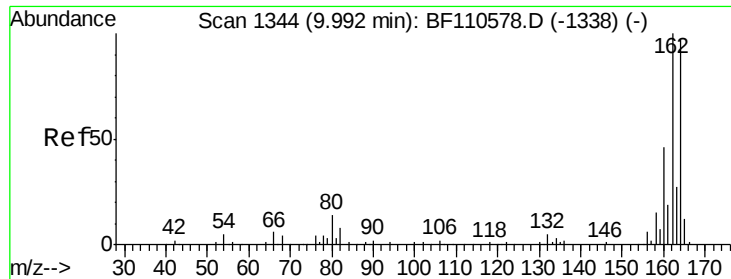
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.2	51.2
54	51.6	38.6	58.0



#25
 Isophorone
 Concen: 22.811 ng
 RT: 7.51 min Scan# 922
 Delta R.T. -0.26 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

Tgt 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: BF110735.D

Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A

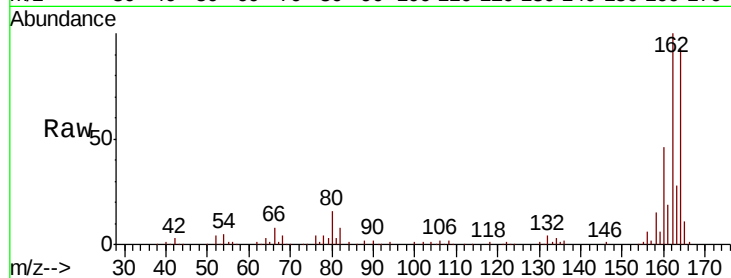
Tgt Ion:164 Resp: 124430

Ion Ratio Lower Upper

164 100

162 107.0 83.0 124.6

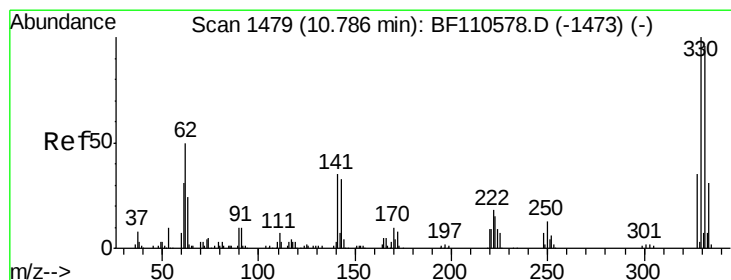
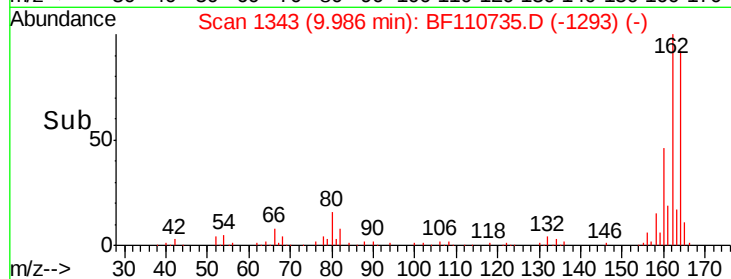
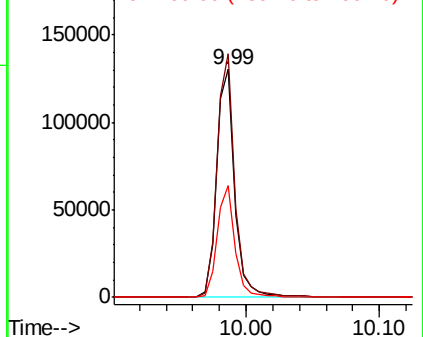
160 49.0 37.0 55.6



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: 44.244 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

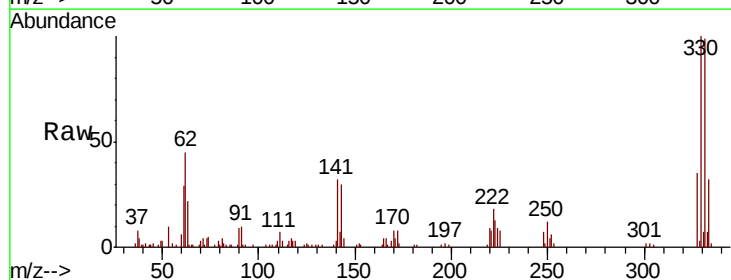
Tgt Ion:330 Resp: 55473

Ion Ratio Lower Upper

330 100

332 97.7 77.1 115.7

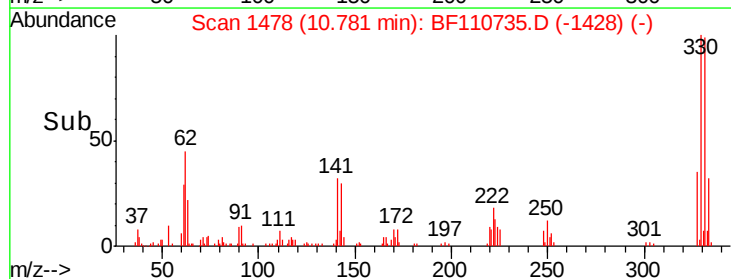
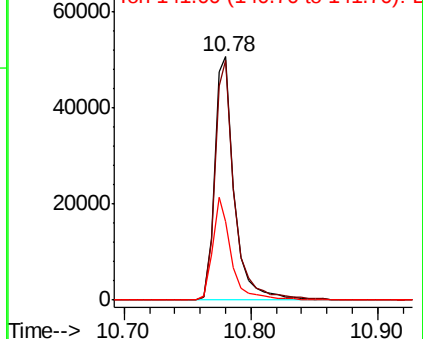
141 40.0 27.0 40.4

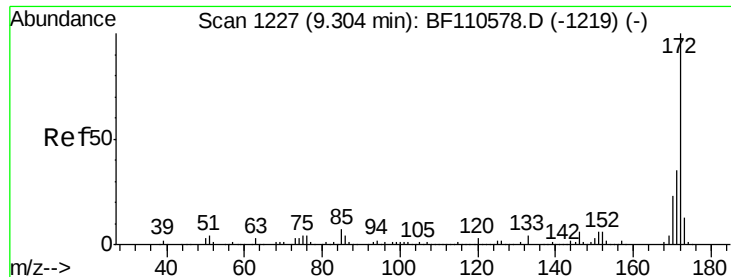


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

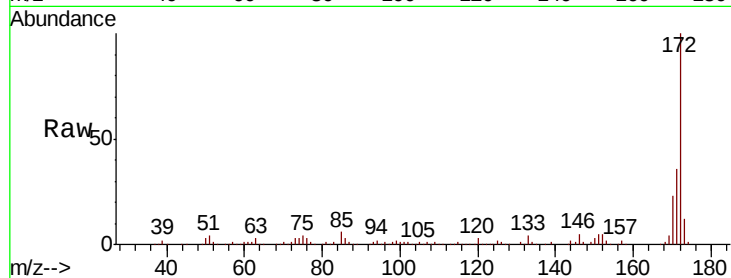




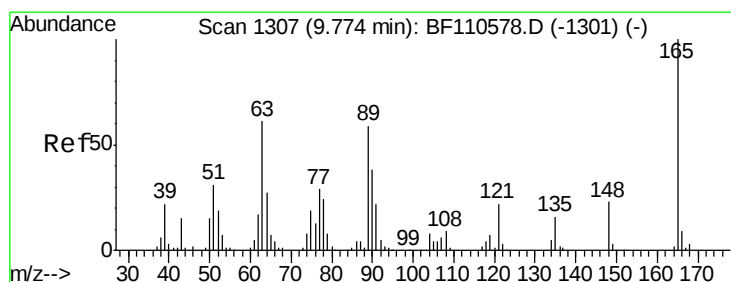
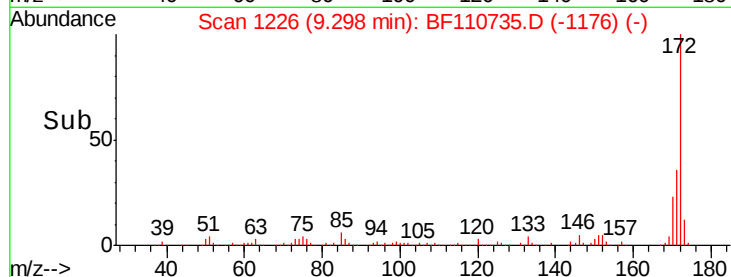
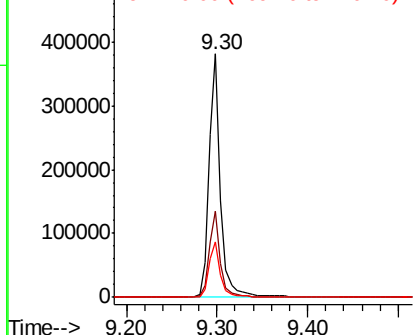
#45
 2-Fluorobiphenyl
 Concen: 38.886 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

Instrument :
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 OR-01-111218-A

Tgt Ion:172 Resp: 338796
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 22.6 19.7 29.5

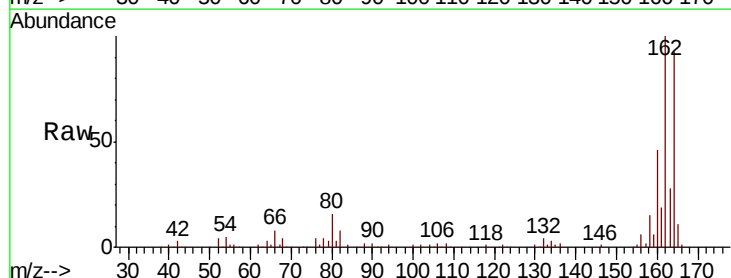


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

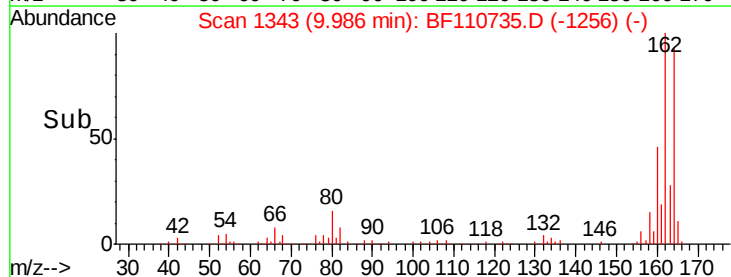
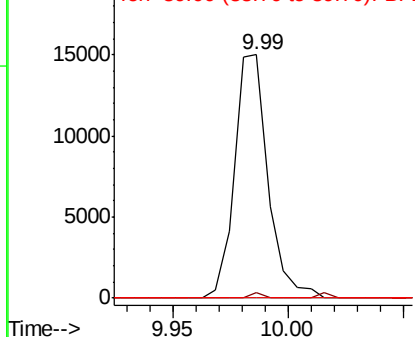


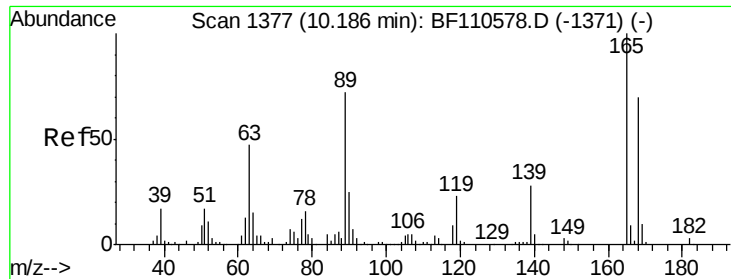
#51
 2,6-Dinitrotoluene
 Concen: 7.421 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

Tgt Ion:165 Resp: 15156
 Ion Ratio Lower Upper
 165 100
 63 2.1 48.9 73.3#
 89 0.0 46.6 69.8#



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

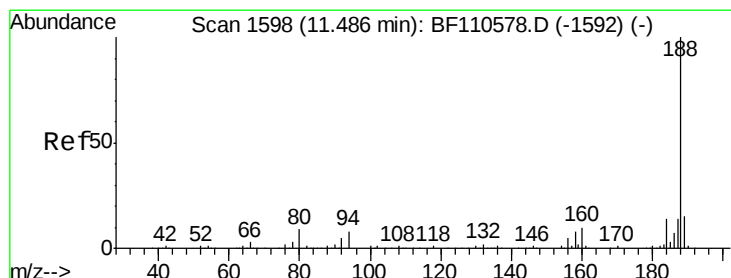
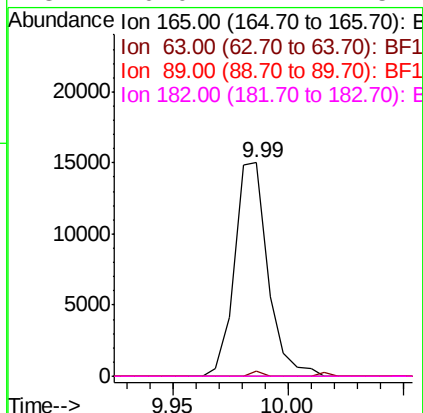
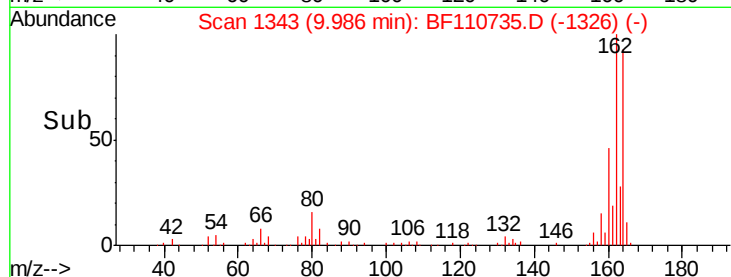
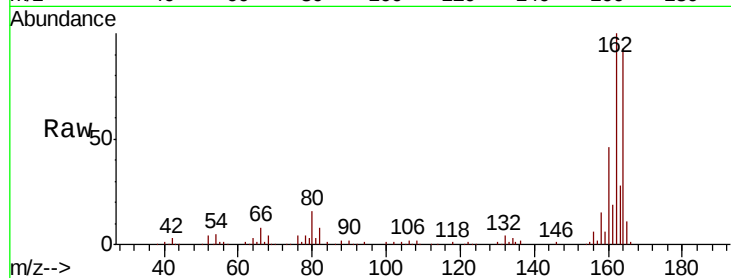




#57
 2,4-Dinitrotoluene
 Concen: 5.707 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

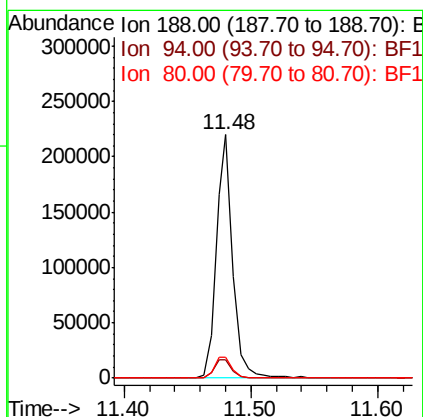
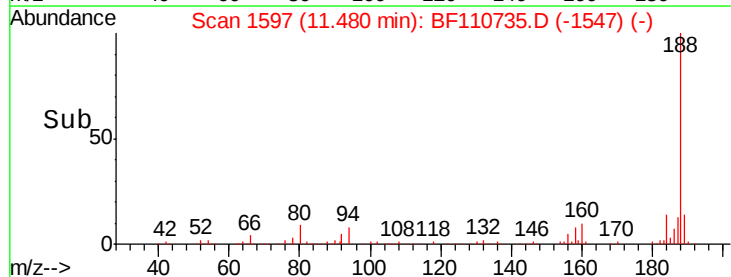
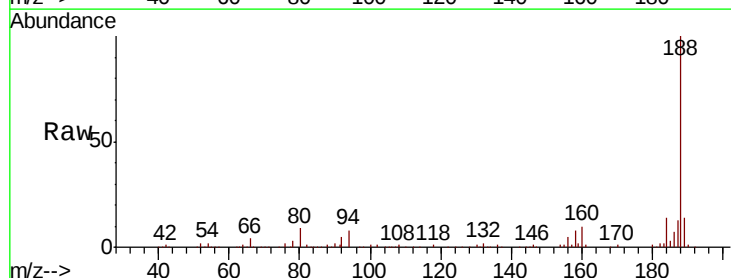
Instrument :
 BNA_F
 ClientSampleId :
 OR-01-111218-A

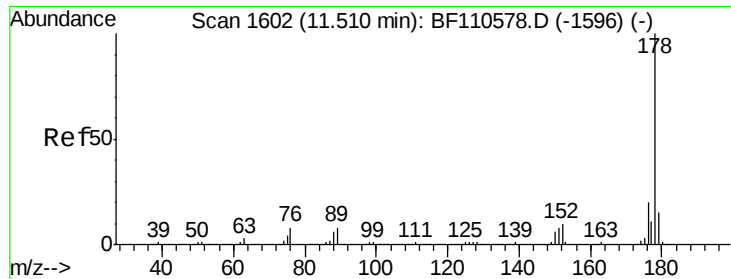
Tgt Ion:	165	Resp:	15156
Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110735.D
 Acq: 13 Nov 2018 22:38

Tgt Ion:	188	Resp:	199039
Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.2	10.8
80	8.5	7.9	11.9

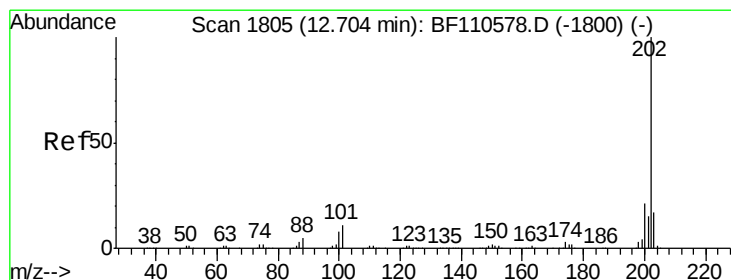
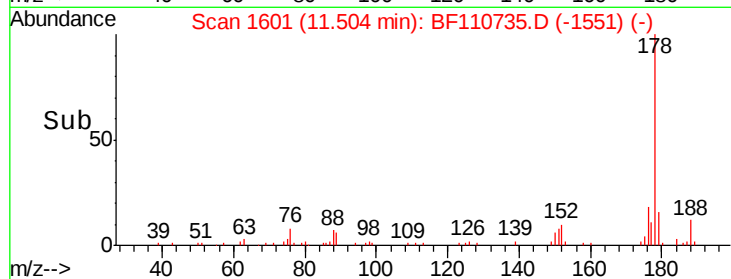
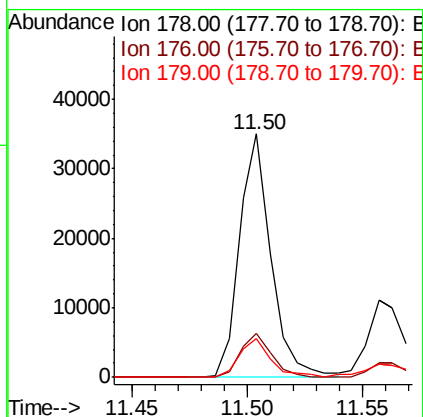
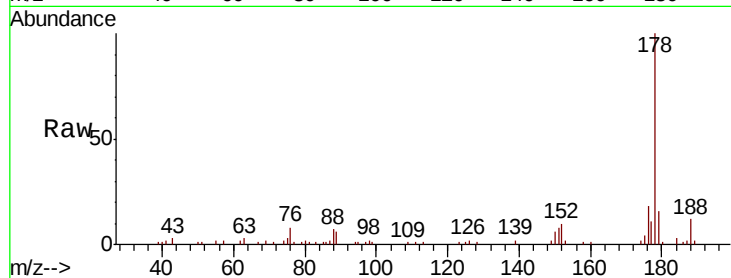




#71
Phenanthrene
Concen: 3.132 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110735.D
Acq: 13 Nov 2018 22:38

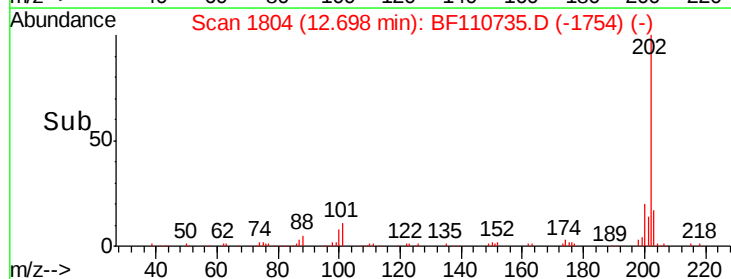
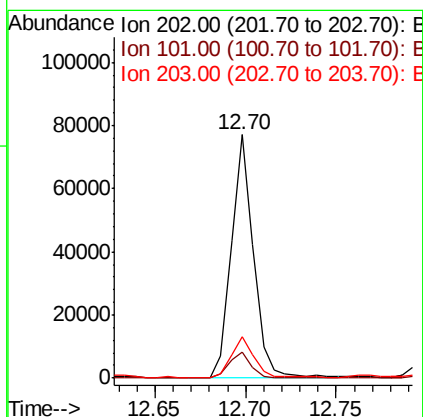
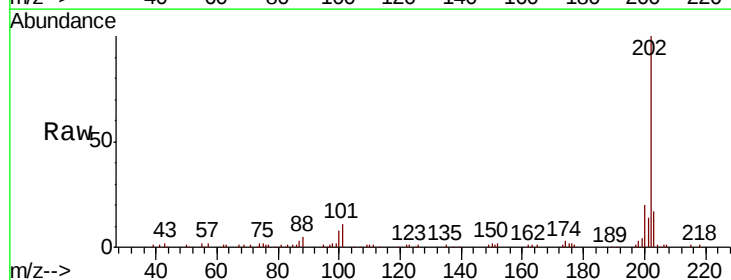
Instrument :
BNA_F
ClientSampleId :
OR-01-111218-A

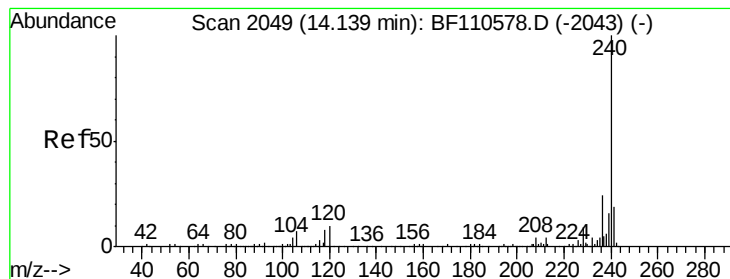
Tgt Ion:178 Resp: 33396
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.9 12.5 18.7



#75
Fluoranthene
Concen: 6.208 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF110735.D
Acq: 13 Nov 2018 22:38

Tgt Ion:202 Resp: 66364
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 17.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A

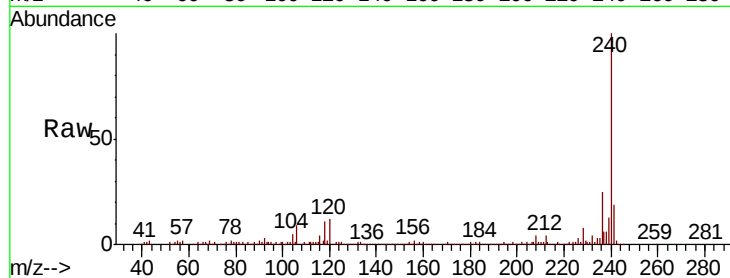
Tgt Ion:240 Resp: 171545

Ion Ratio Lower Upper

240 100

120 11.5 8.3 12.5

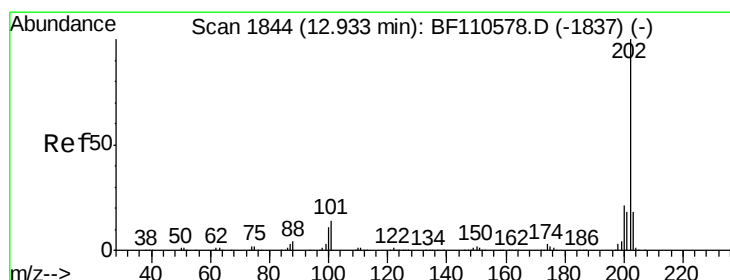
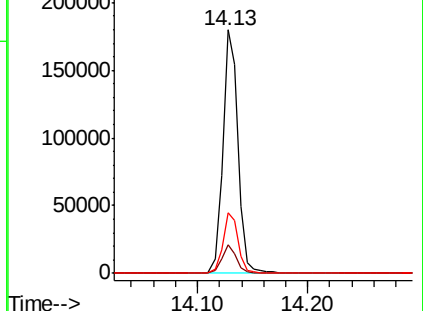
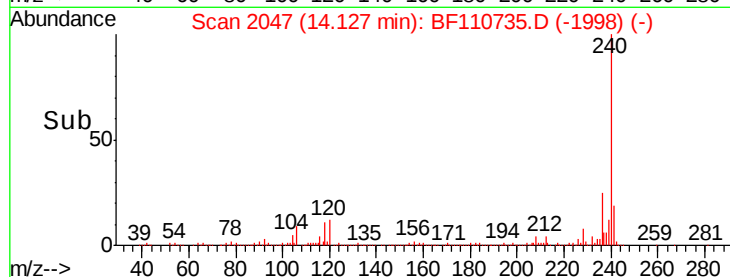
236 25.1 21.2 31.8



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: 5.180 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

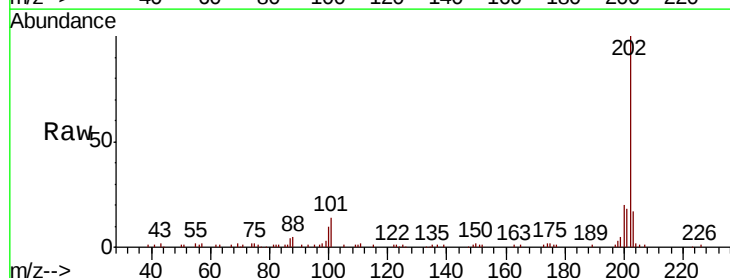
Tgt Ion:202 Resp: 68423

Ion Ratio Lower Upper

202 100

200 20.4 17.8 26.6

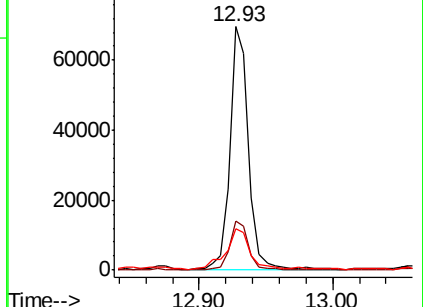
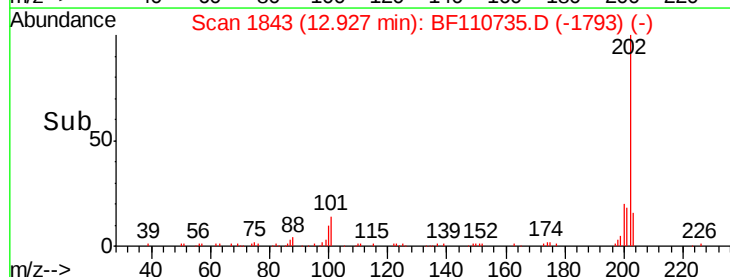
203 17.2 14.2 21.4

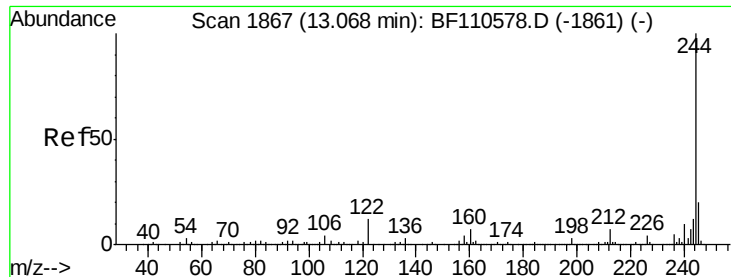


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 28.449 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A

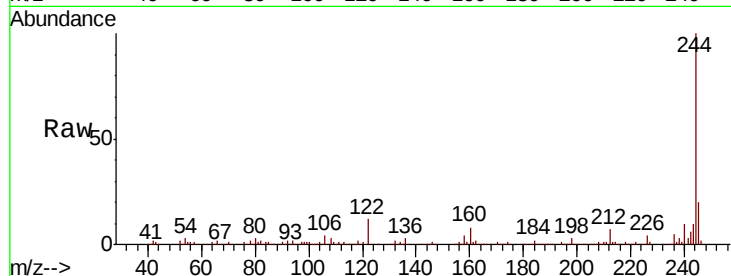
Tgt Ion:244 Resp: 260588

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

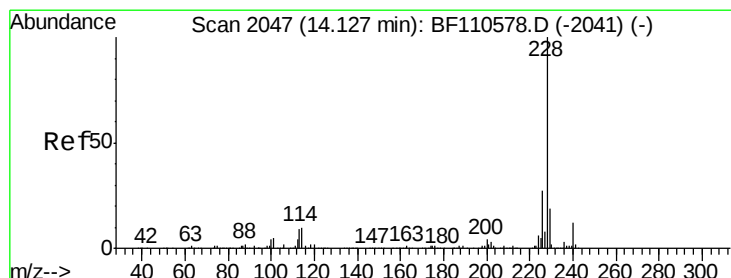
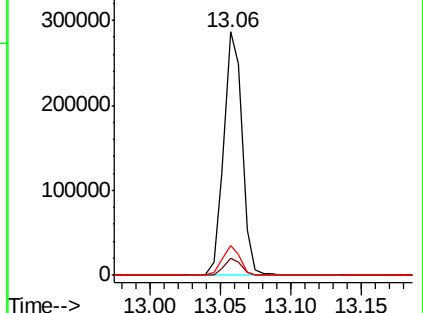
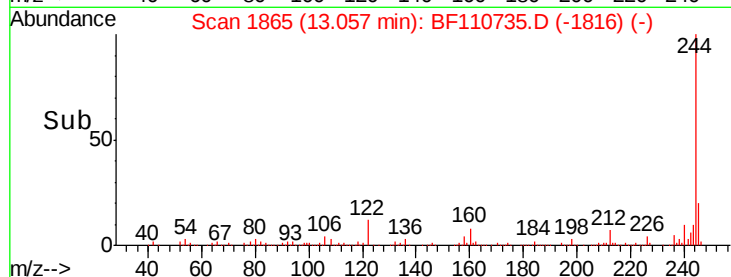
122 12.4 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.345 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

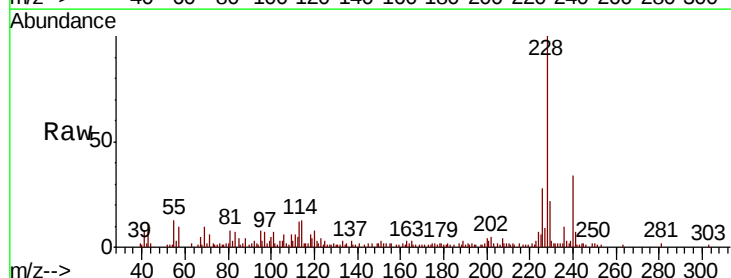
Tgt Ion:228 Resp: 34296

Ion Ratio Lower Upper

228 100

226 28.3 22.1 33.1

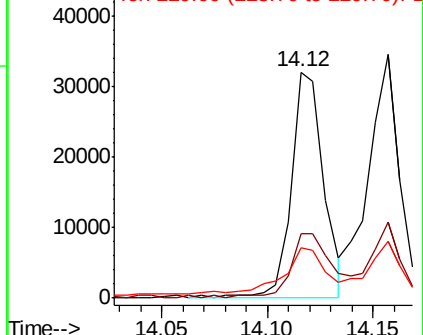
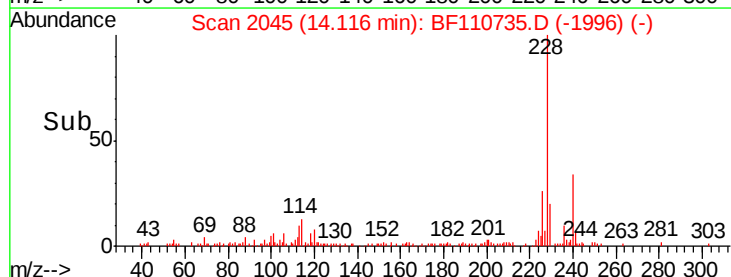
229 22.5 15.6 23.4

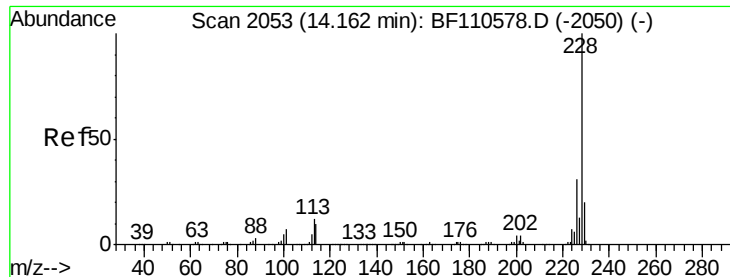


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.715 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A

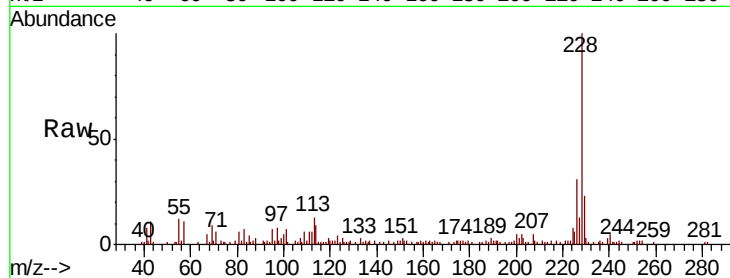
Tgt Ion:228 Resp: 36291

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

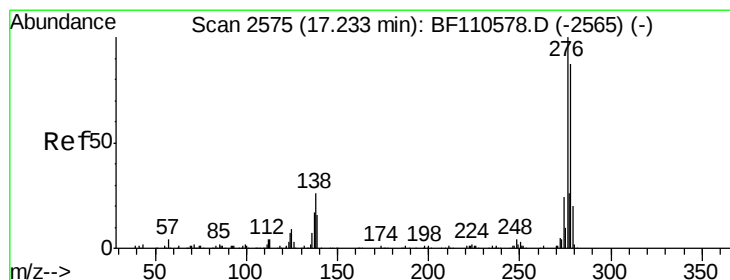
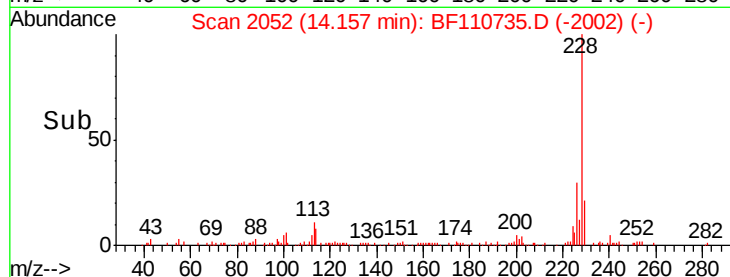
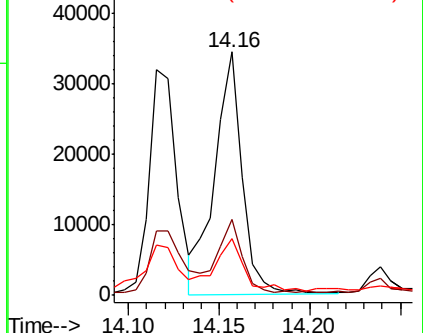
229 23.5 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.013 ng

RT: 17.23 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

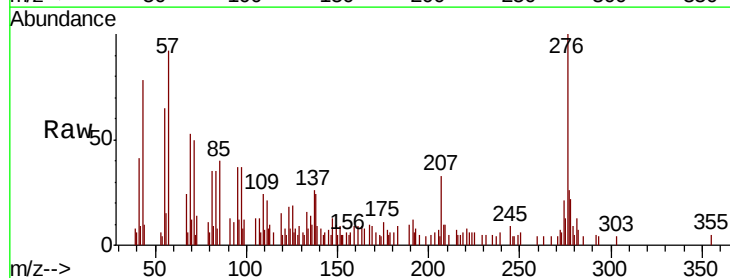
Tgt Ion:276 Resp: 14110

Ion Ratio Lower Upper

276 100

138 25.6 18.5 27.7

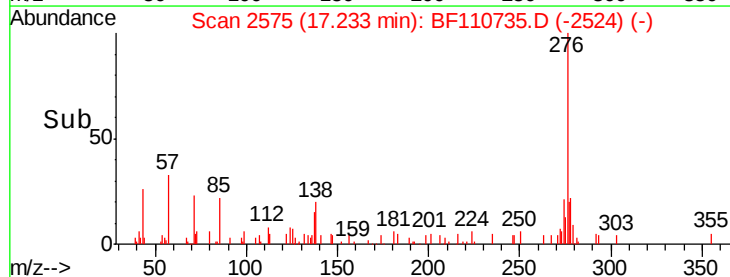
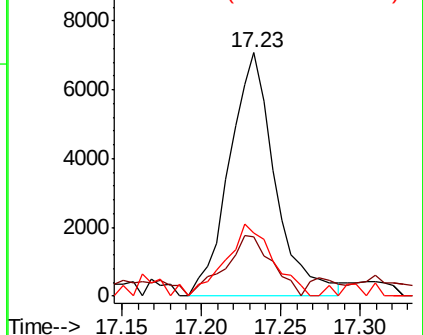
277 30.2 20.0 30.0#

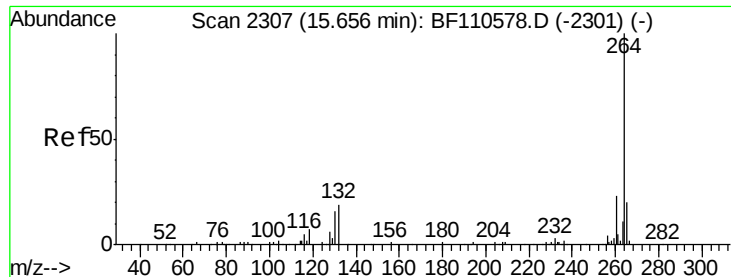


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



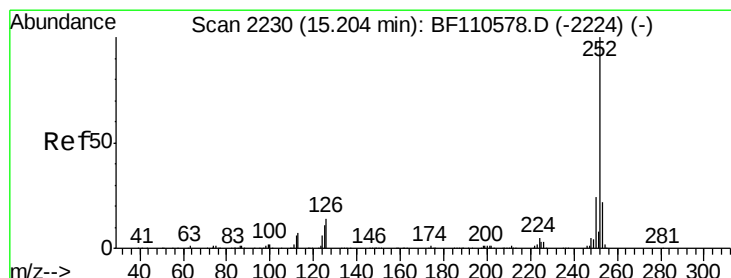
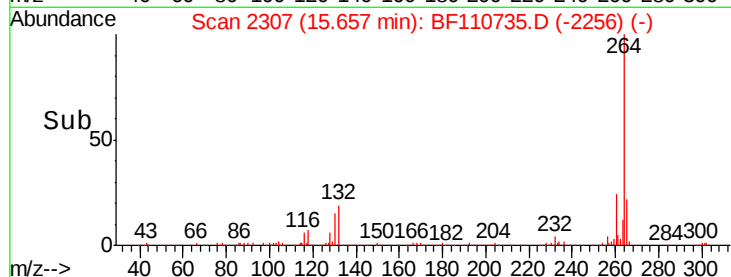
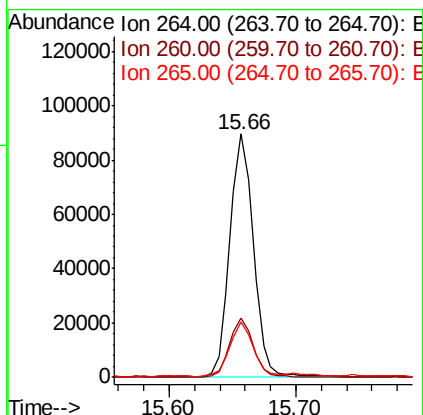
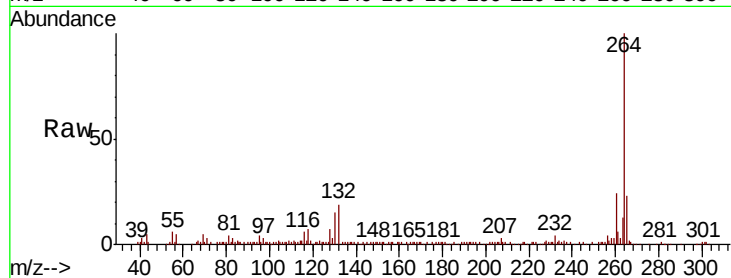


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110735.D
Acq: 13 Nov 2018 22:38

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

Tgt Ion: 264 Resp: 115898

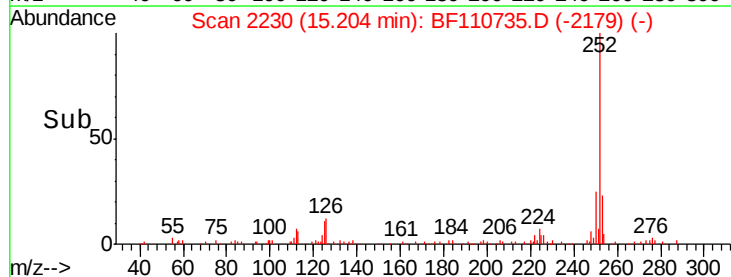
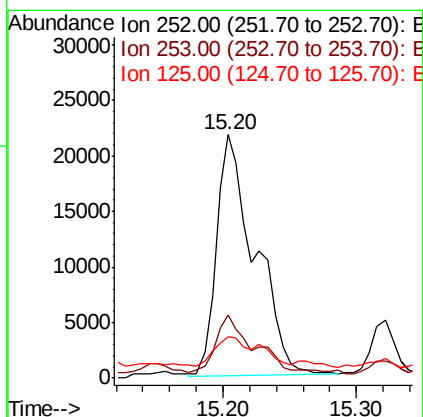
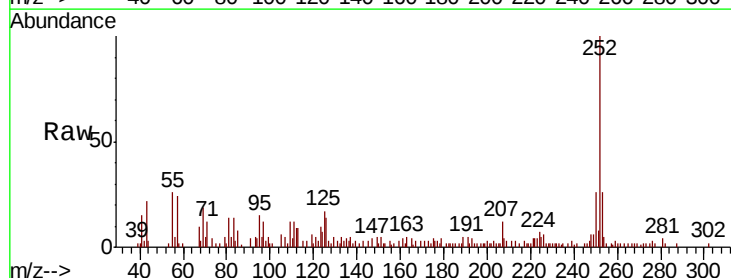
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.6	16.7	25.1

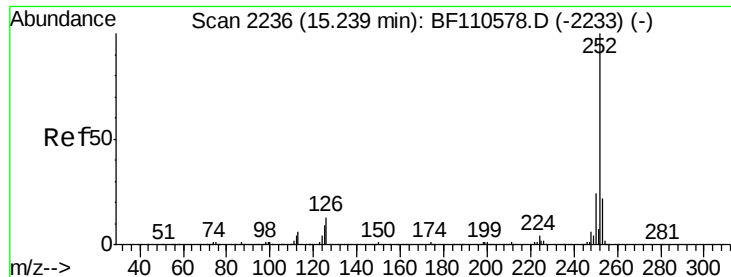


#88
Benzo(b)fluoranthene
Concen: 6.273 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110735.D
Acq: 13 Nov 2018 22:38

Tgt Ion: 252 Resp: 43492

Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.2	25.8
125	16.8	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 6.348 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.04 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A

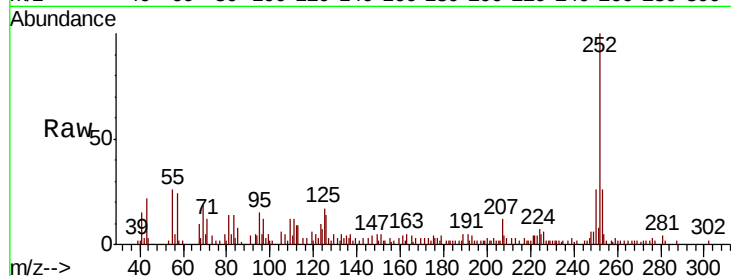
Tgt Ion:252 Resp: 43492

Ion Ratio Lower Upper

252 100

253 25.7 17.2 25.8

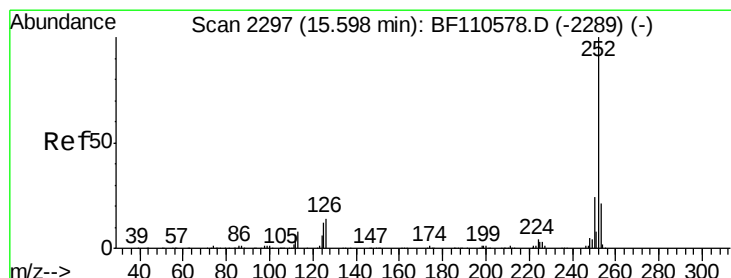
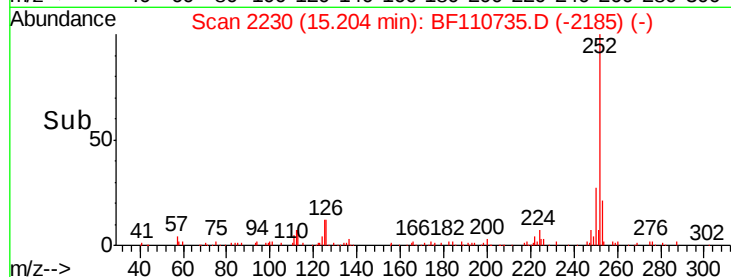
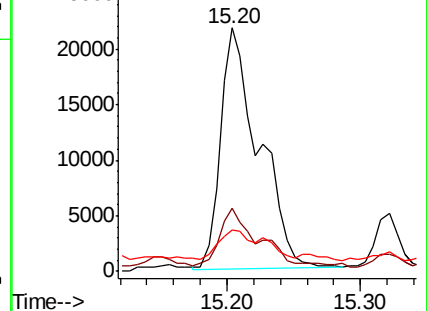
125 16.8 7.4 11.0#



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: 3.819 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110735.D

Acq: 13 Nov 2018 22:38

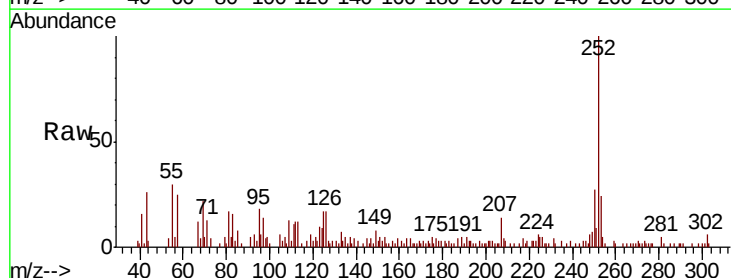
Tgt Ion:252 Resp: 24059

Ion Ratio Lower Upper

252 100

253 24.2 18.2 27.4

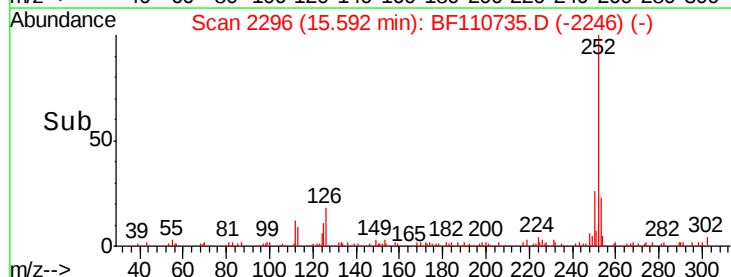
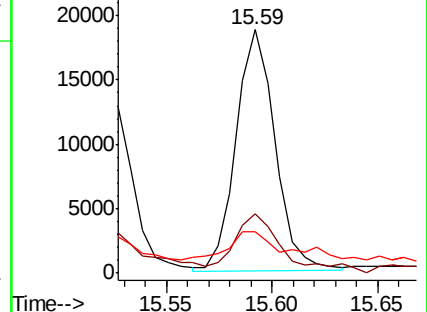
125 16.8 9.0 13.6#

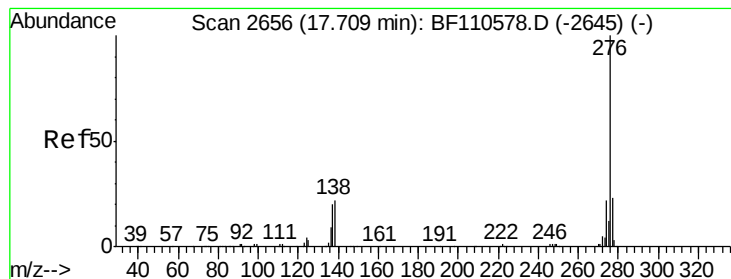


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.483 ng

RT: 17.72 min Scan# 2657

Delta R.T. 0.01 min

Lab File: BF110735.D

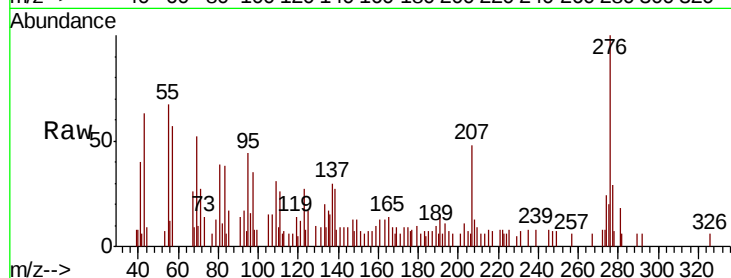
Acq: 13 Nov 2018 22:38

Instrument :

BNA_F

ClientSampleId :

OR-01-111218-A



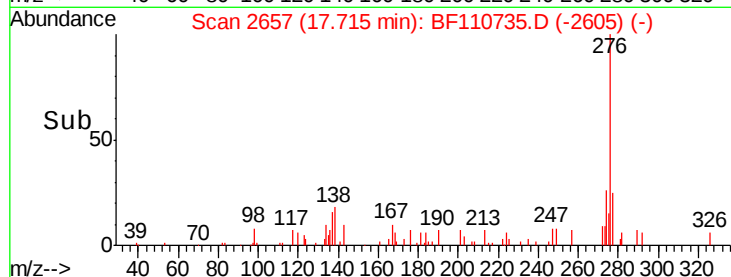
Tgt Ion: 276 Resp: 13135

Ion Ratio Lower Upper

276 100

277 29.2 18.8 28.2#

138 26.8 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

