

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110276.D
 Acq On : 29 Oct 2018 21:45
 Operator : JU/SJ
 Sample : J5665-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 08:05:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	117870	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	485420	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	221581	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	360774	20.00	ng	0.00
76) Chrysene-d12	14.15	240	235774	20.00	ng	0.00
87) Perylene-d12	15.69	264	200369	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	693831	95.86	ng	0.01
7) Phenol-d6	6.59	99	916707	99.02	ng	0.00
23) Nitrobenzene-d5	7.53	82	576347	70.42	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	161812	73.72	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	965320	68.41	ng	0.00
79) Terphenyl-d14	13.09	244	640111	56.46	ng	0.00

Target Compounds

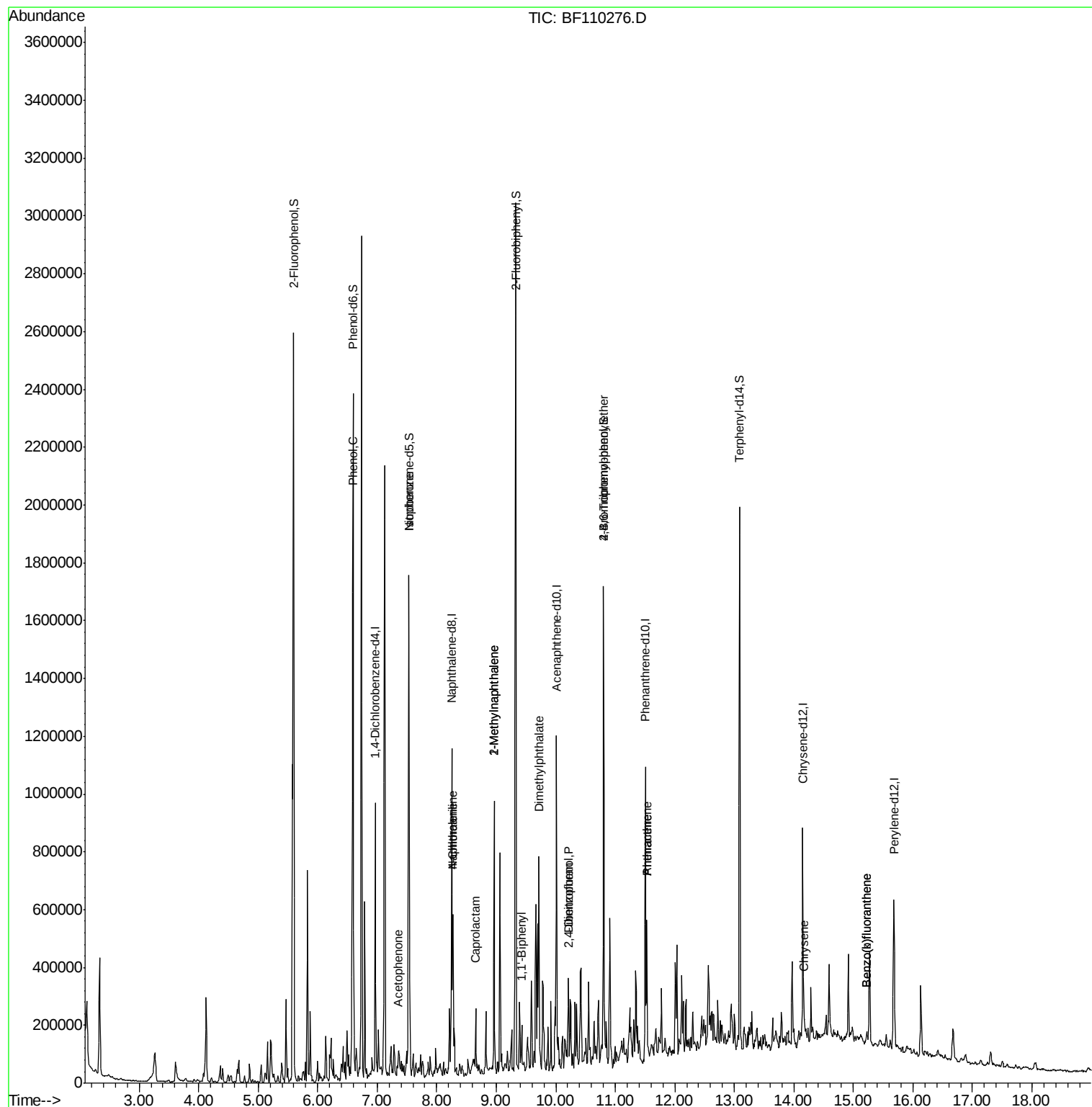
						Qvalue
10) Phenol	6.60	94	74341	7.512	ng	# 64
22) Acetophenone	7.35	105	25175	2.251	ng	# 61
25) Isophorone	7.53	82	575008	41.218	ng	# 67
31) Naphthalene	8.27	128	247741	11.073	ng	# 99
33) 4-Chloroaniline	8.27	127	33425	3.320	ng	# 37
35) Caprolactam	8.66	113	5148	2.193	ng	# 57
37) 2-Methylnaphthalene	8.96	142	248957	16.819	ng	# 98
38) 1-Methylnaphthalene	8.96	142	248957	17.404	ng	# 95
46) 1,1'-Biphenyl	9.43	154	41009	2.047	ng	# 98
50) Dimethylphthalate	9.72	163	202517	12.381	ng	# 99
54) 2,4-Dinitrophenol	10.22	184	127	5.260	ng	# 1
55) Dibenzofuran	10.22	168	65040	3.308	ng	# 96
67) 4-Bromophenyl-phenylether	10.80	248	10177	2.601	ng	# 1
71) Phenanthrene	11.53	178	168553	8.929	ng	# 100
72) Anthracene	11.53	178	168553	8.908	ng	# 100
77) Benzidine	12.84	184	513	Below Cal		# 1
83) Chrysene	14.18	228	41909	3.156	ng	# 87
88) Benzo(b)fluoranthene	15.23	252	30281	2.617	ng	# 87
89) Benzo(k)fluoranthene	15.23	252	30281	2.662	ng	# 86

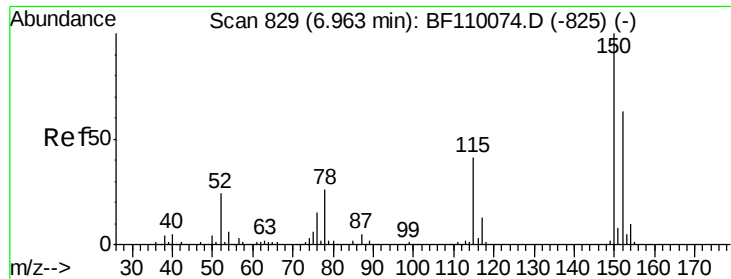
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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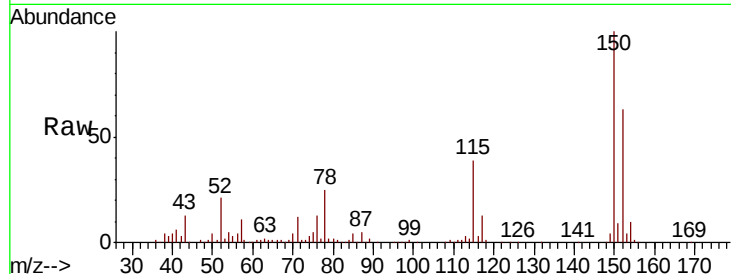




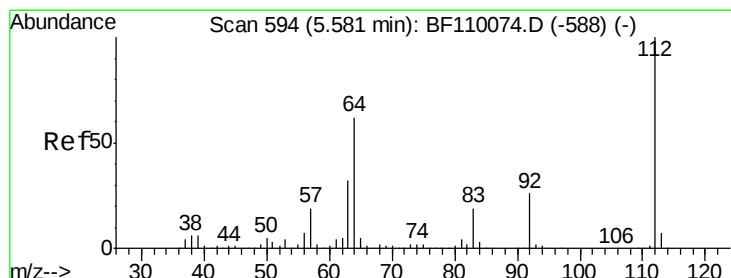
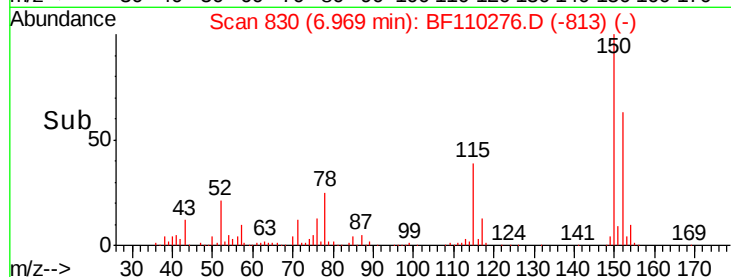
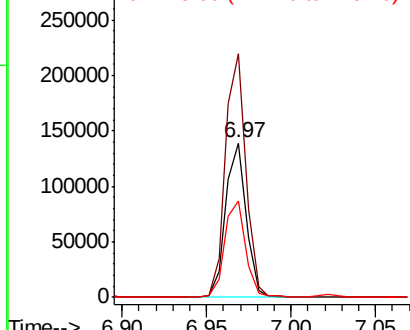
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 830
 Delta R.T. 0.00 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 117870
 Ion Ratio Lower Upper
 152 100
 150 157.5 122.7 184.1
 115 62.1 49.1 73.7

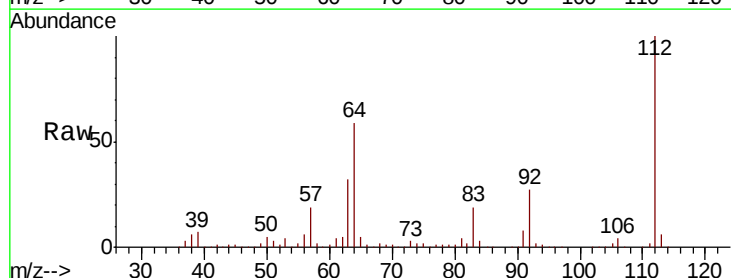


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

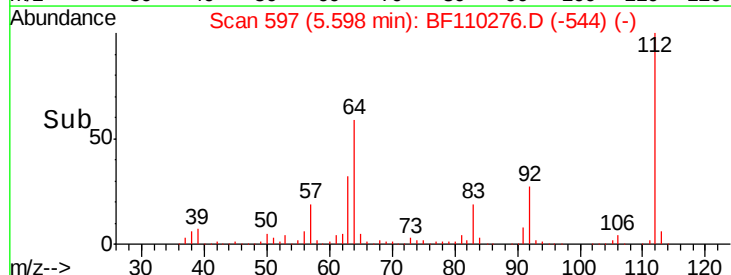
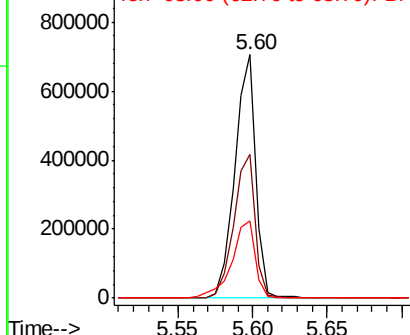


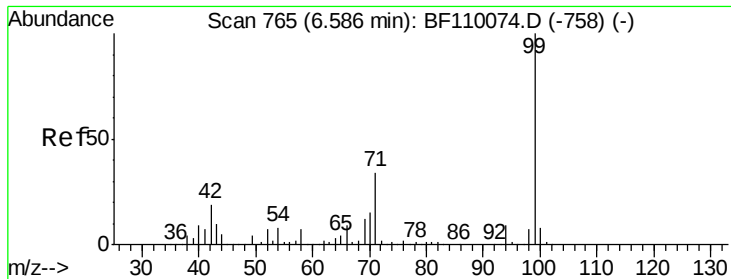
#5
 2-Fluorophenol
 Concen: 95.857 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Tgt Ion:112 Resp: 693831
 Ion Ratio Lower Upper
 112 100
 64 59.3 44.1 66.1
 63 31.5 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: 99.016 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

Instrument :

BNA_F

ClientSampleId :

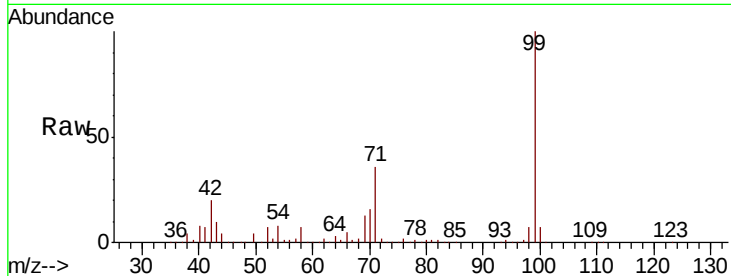
Tot Ion: 99 Resp: 916707

Ion Ratio Lower Upper

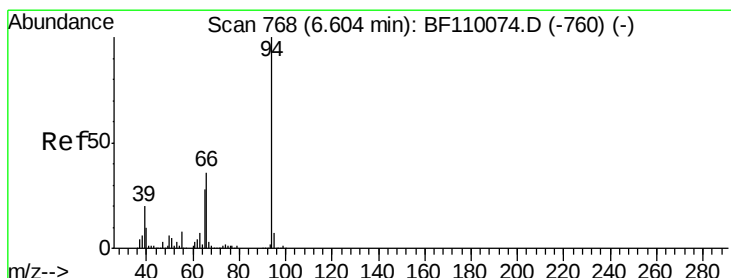
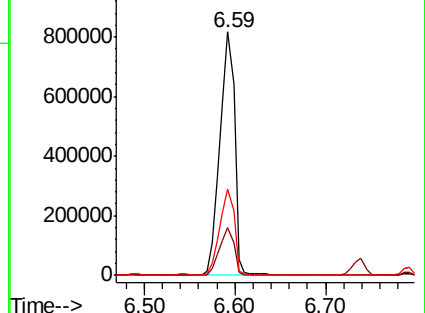
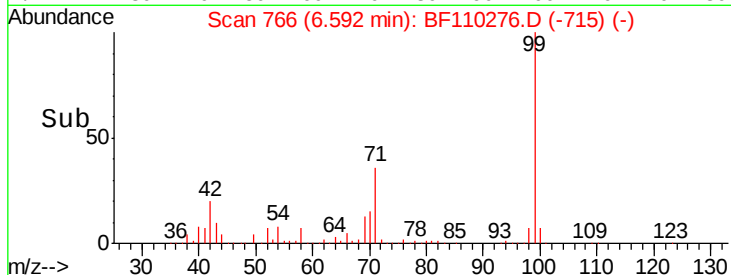
99 100

42 19.8 15.8 23.6

71 35.7 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: 7.512 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

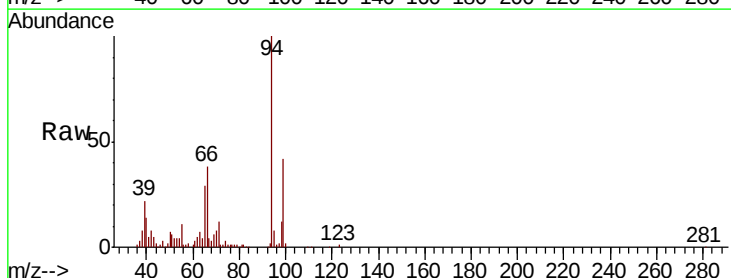
Tgt Ion: 94 Resp: 74341

Ion Ratio Lower Upper

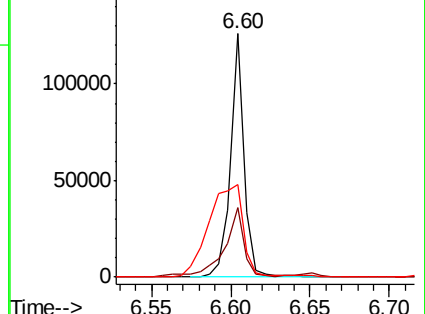
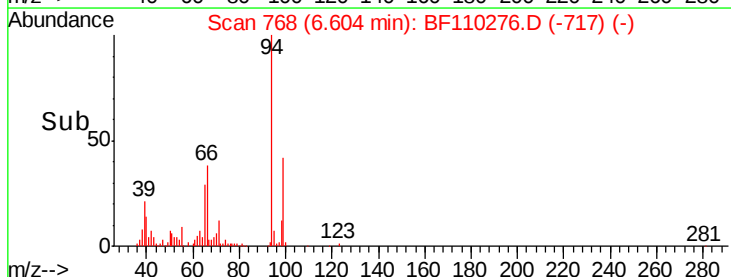
94 100

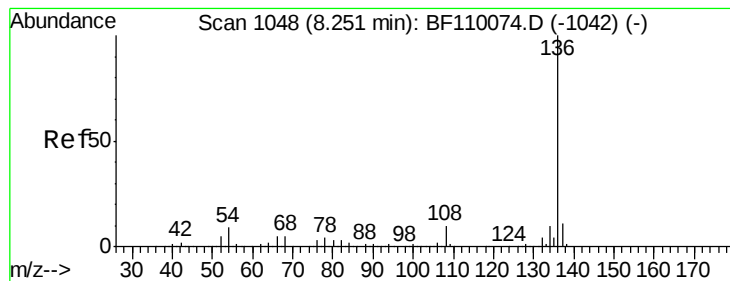
65 28.7 25.3 65.3

66 38.2 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 485420

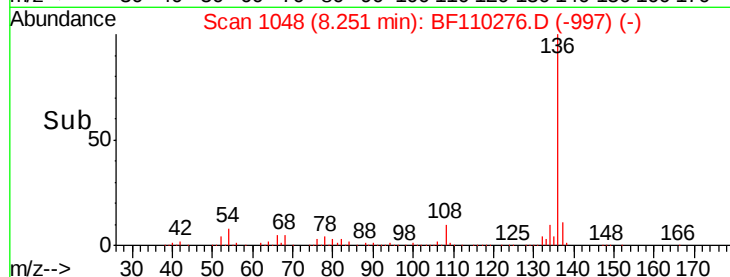
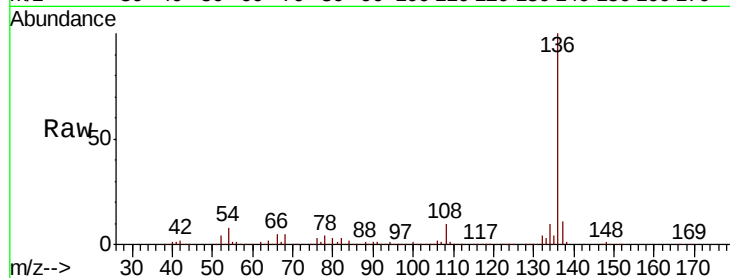
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 7.9 5.4 8.2

68 5.2 4.2 6.2

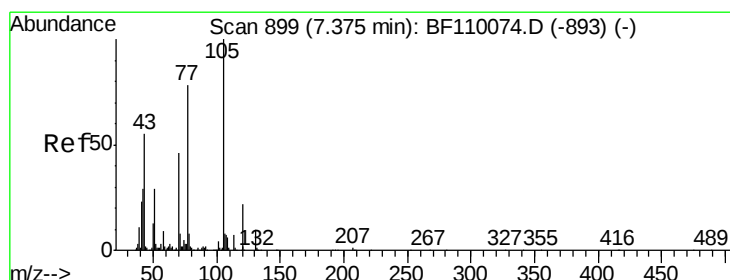
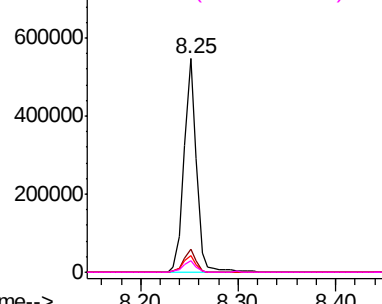


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 2.251 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.03 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

Tgt Ion:105 Resp: 25175

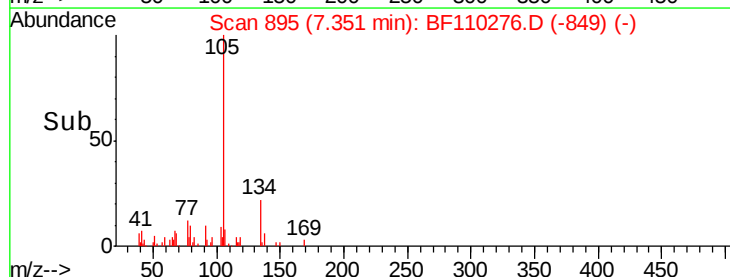
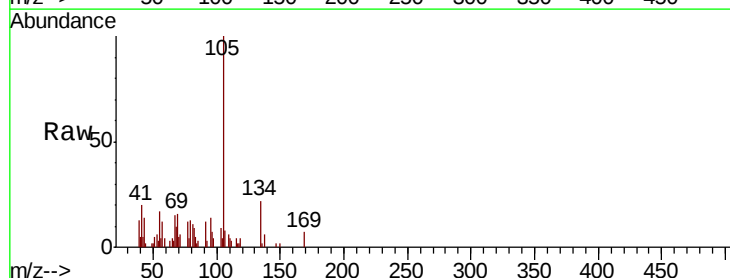
Ion Ratio Lower Upper

105 100

71 5.6 5.2 7.8

51 5.5 21.8 32.8#

120 0.0 17.0 25.4#

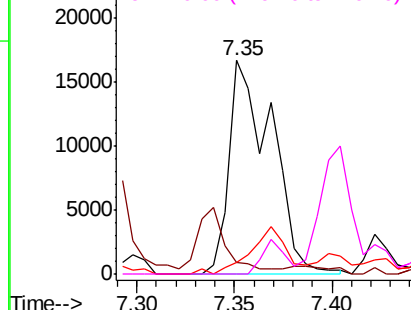


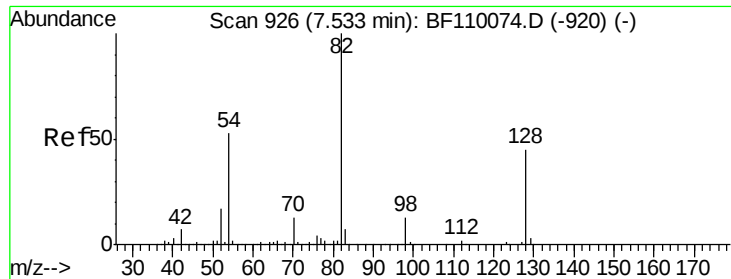
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

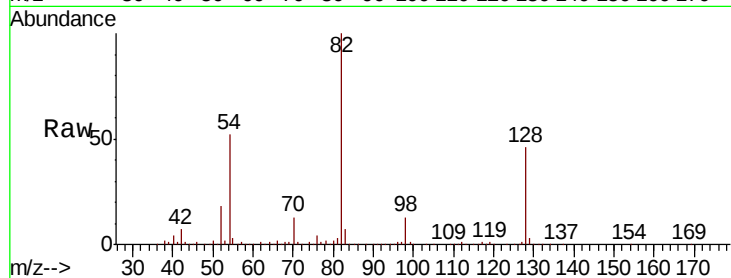




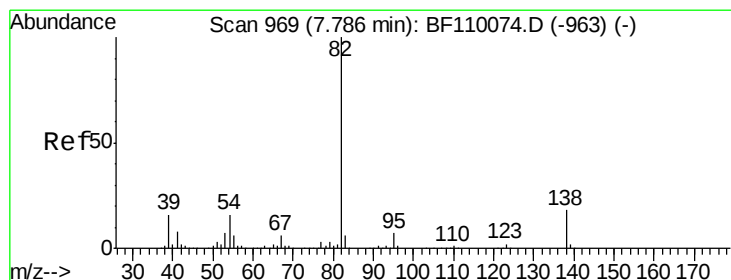
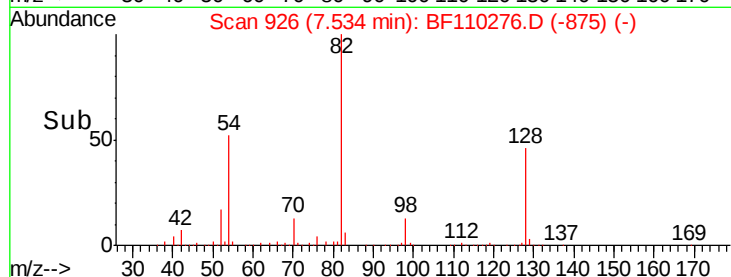
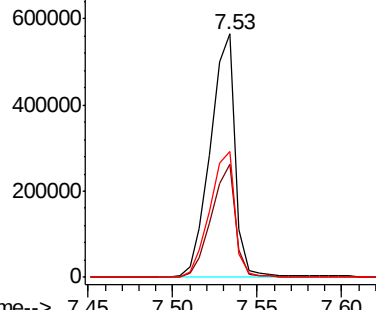
#23
Nitrobenzene-d5
Concen: 70.424 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82.00	Resp	576347
Ion Ratio	Lower	Upper	
82	100		
128	46.4	34.2	51.2
54	51.6	38.6	58.0

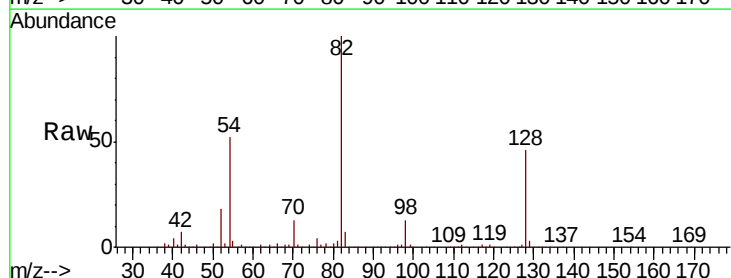


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

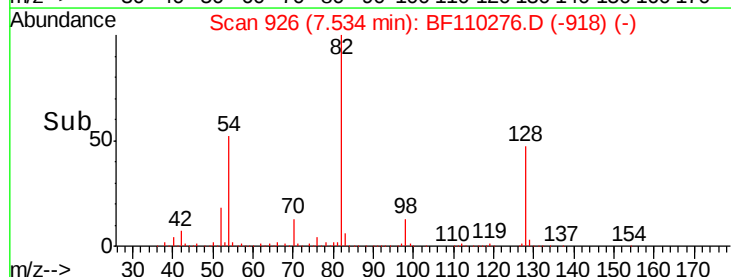
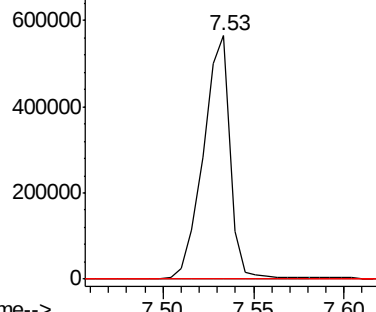


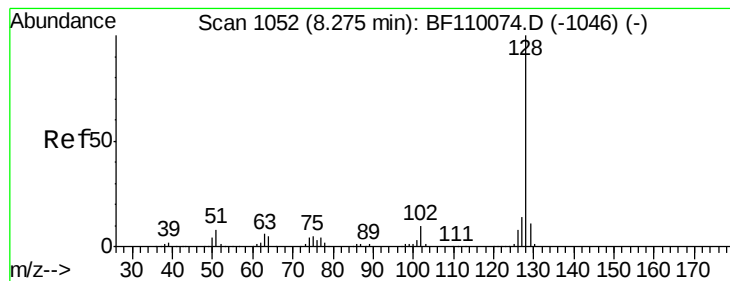
#25
Isophorone
Concen: 41.218 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Tgt Ion	82.00	Resp	575008
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.7	8.5#
138	0.0	13.2	19.8#



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





#31

Naphthalene

Concen: 11.073 ng

RT: 8.27 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

Instrument :

BNA_F

ClientSampleId :

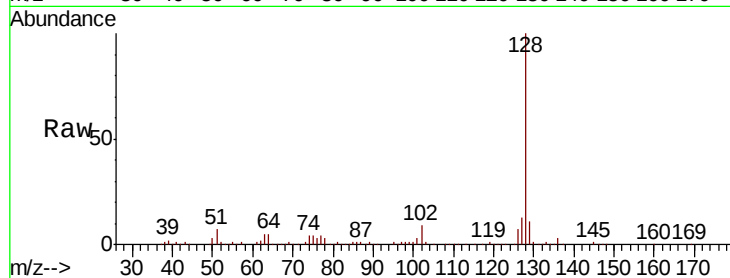
Tot Ion:128 Resp: 247741

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

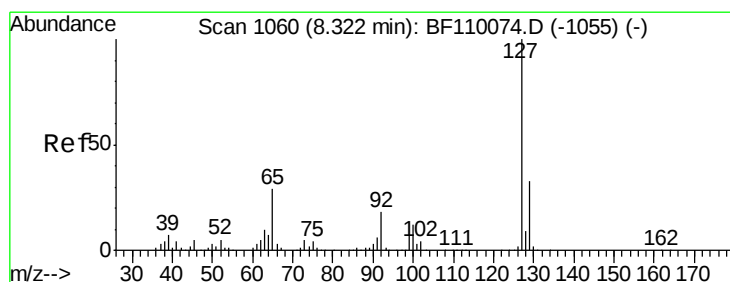
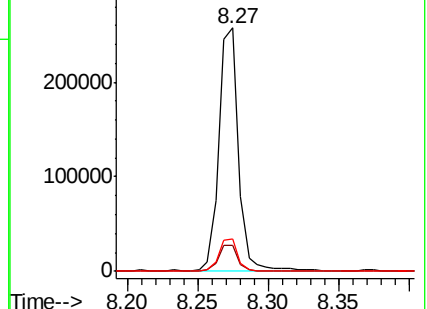
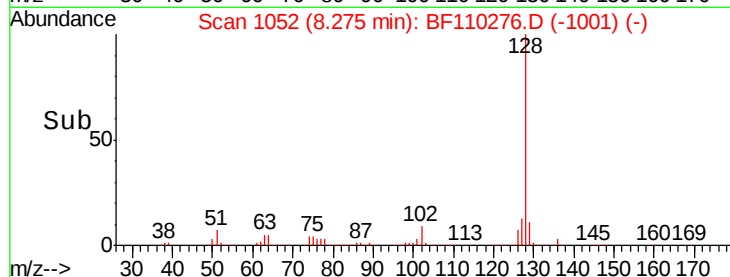
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 3.320 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.05 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

Tgt Ion:127 Resp: 33425

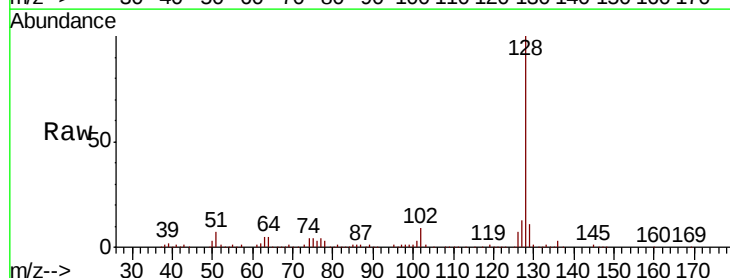
Ion Ratio Lower Upper

127 100

129 81.5 26.0 39.0#

65 3.2 25.1 37.7#

92 0.0 15.0 22.6#

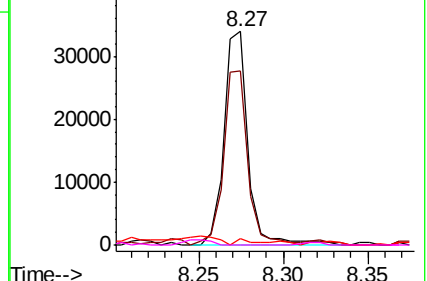
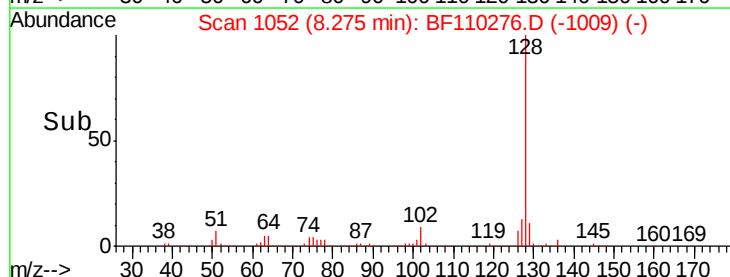


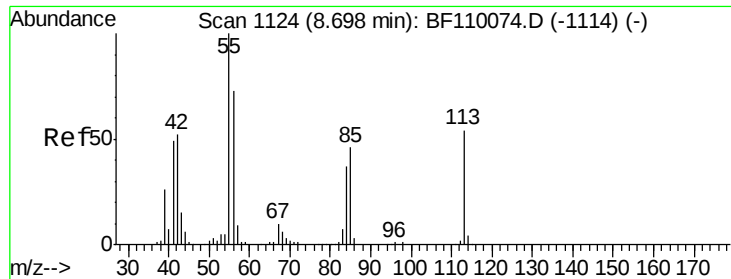
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

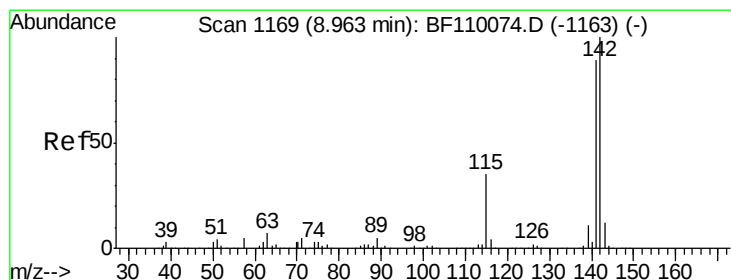
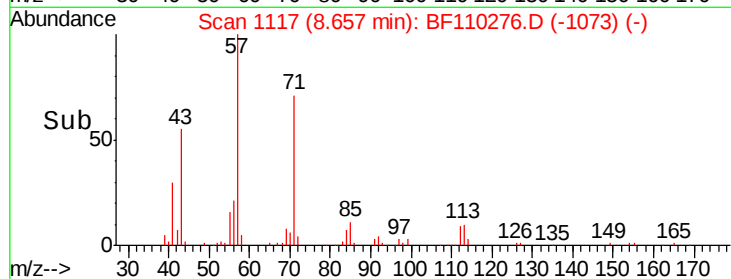
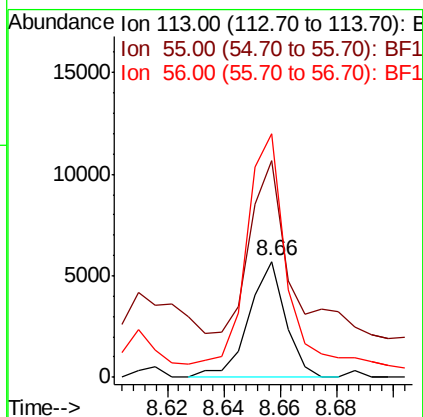
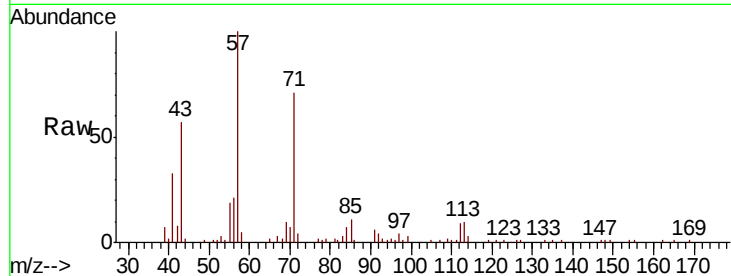




#35
 Caprolactam
 Concen: 2.193 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.04 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

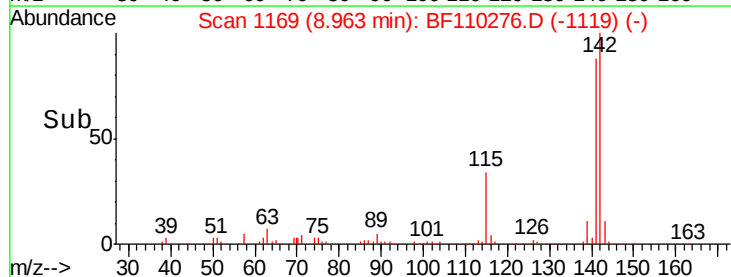
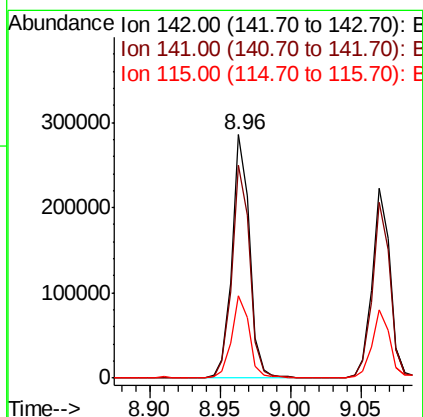
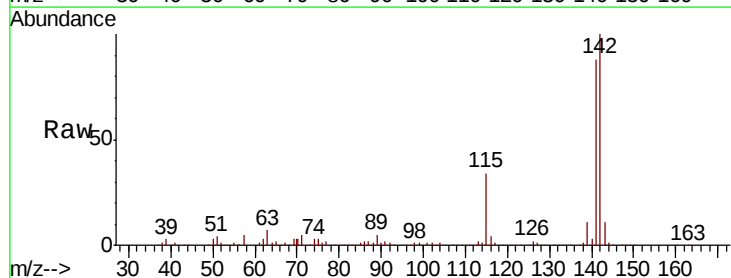
Instrument :
 BNA_F
 ClientSampled :

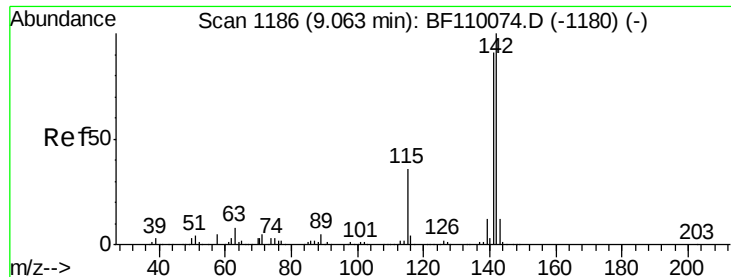
Tot Ion:113 Resp: 5148
 Ion Ratio Lower Upper
 113 100
 55 187.4 142.8 182.8#
 56 210.5 105.0 145.0#



#37
 2-Methylnaphthalene
 Concen: 16.819 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Tgt Ion:142 Resp: 248957
 Ion Ratio Lower Upper
 142 100
 141 87.7 71.4 107.2
 115 34.0 28.7 43.1

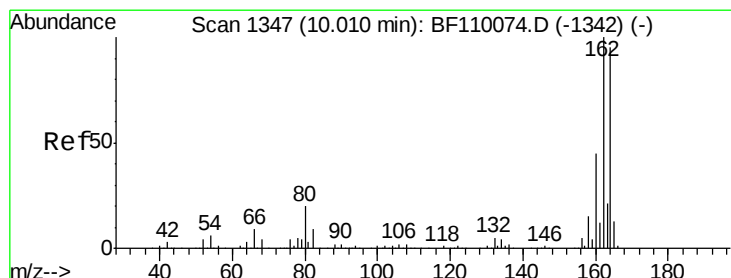
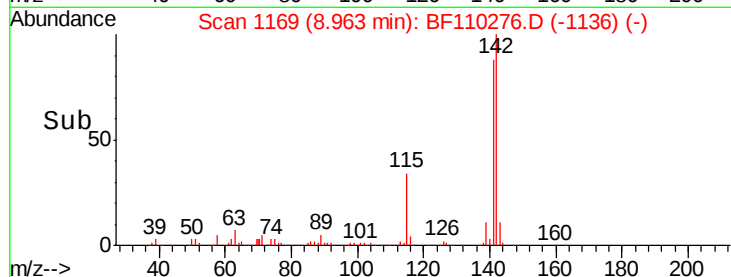
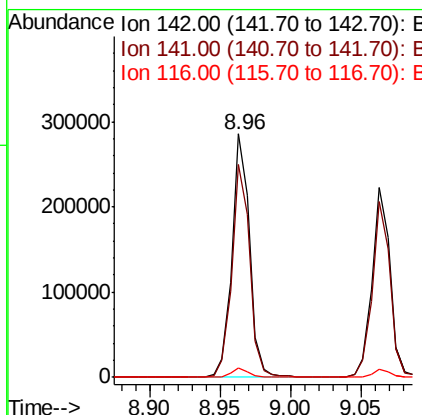
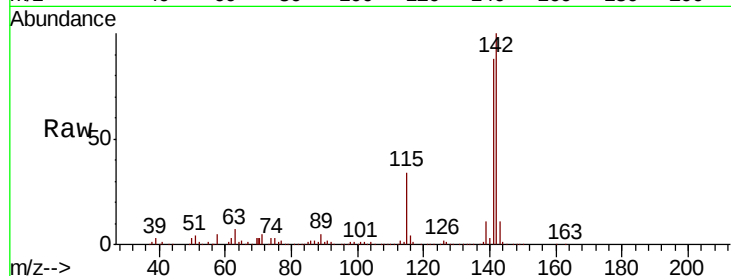




#38
 1-Methylnaphthalene
 Concen: 17.404 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.11 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

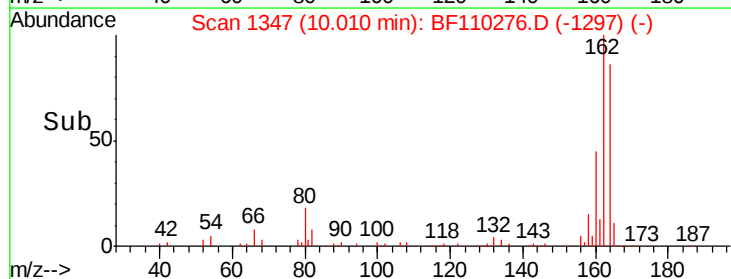
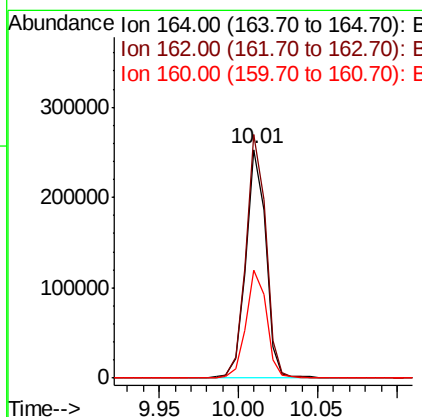
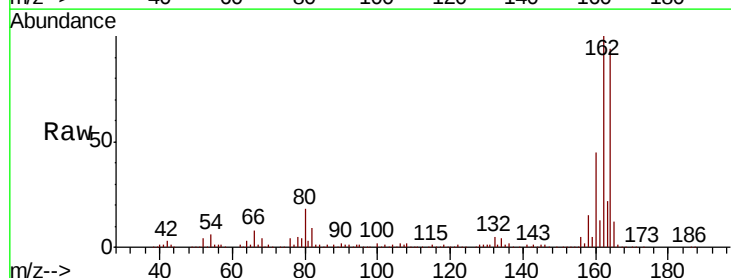
Instrument :
 BNA_F
 ClientSampleId :

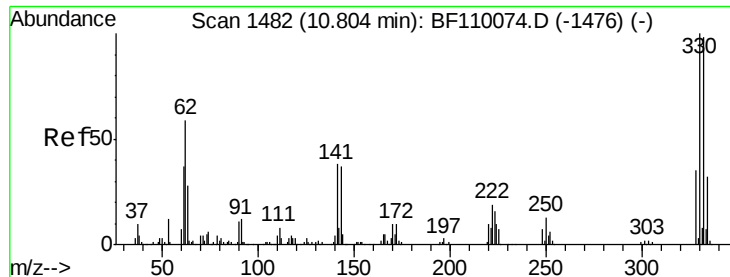
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	74.2	111.4
116	3.8	2.6	4.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	83.0	124.6
160	47.4	37.0	55.6

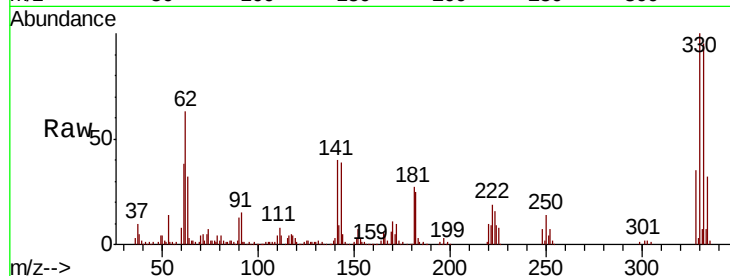




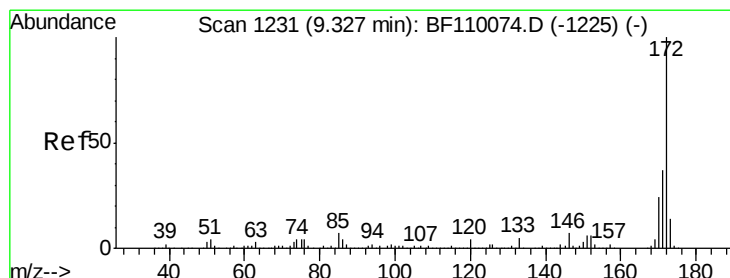
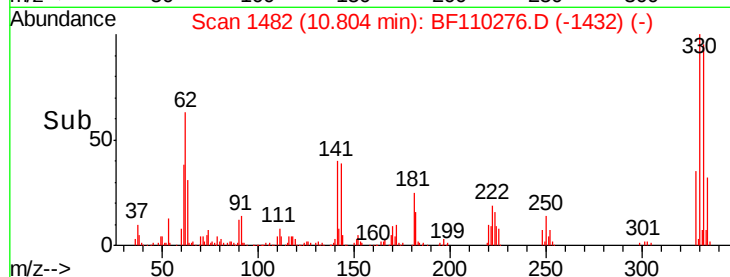
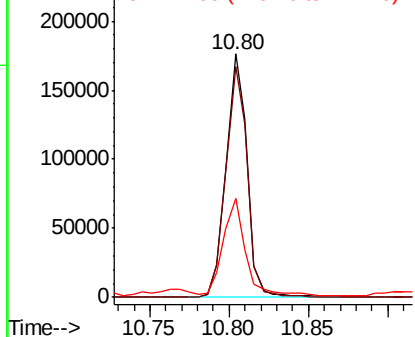
#42
 2,4,6-Tribromophenol
 Concen: 73.722 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	43.1	27.0	40.4

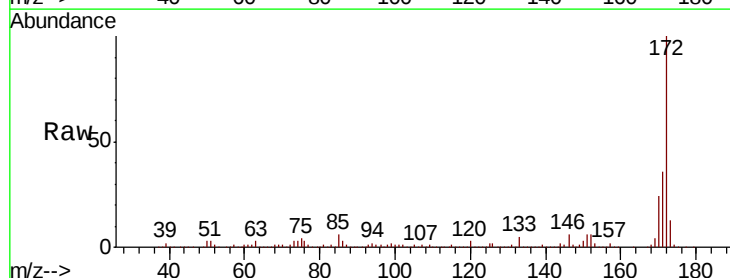


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

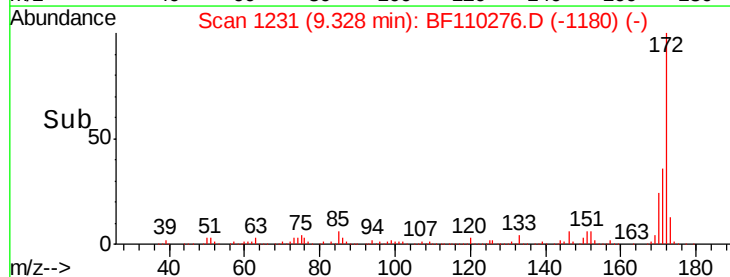
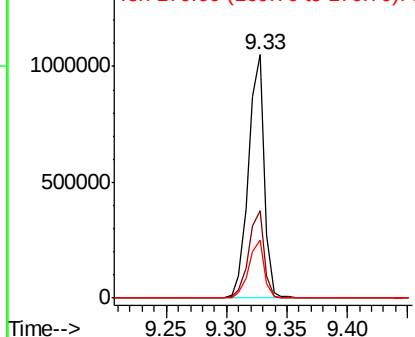


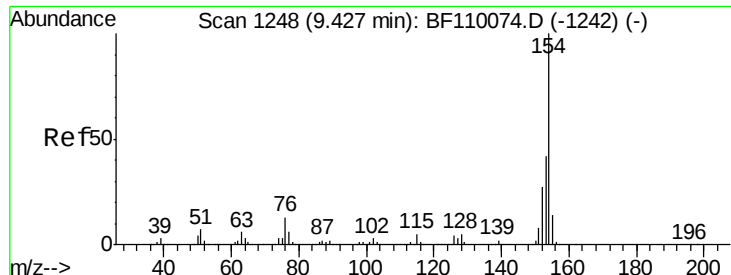
#45
 2-Fluorobiphenyl
 Concen: 68.408 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.7	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

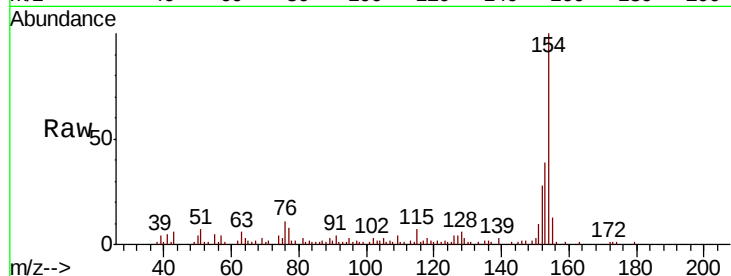




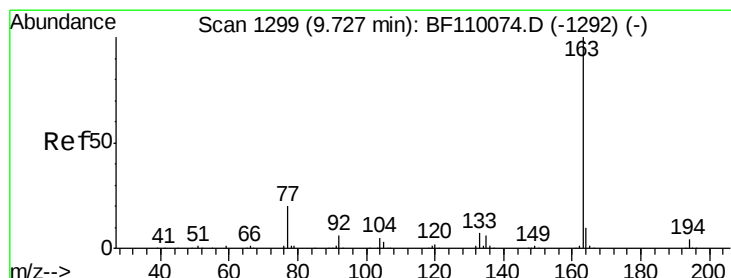
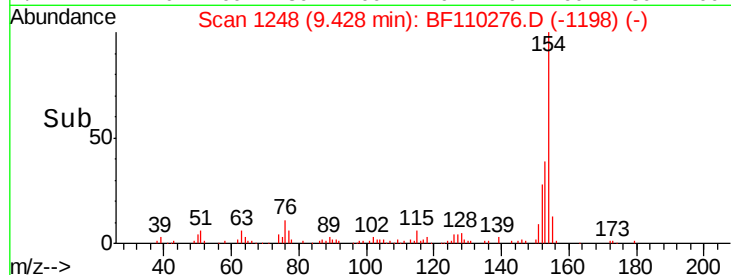
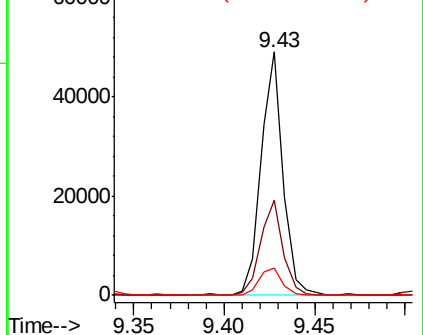
#46
 1,1'-Biphenyl
 Concen: 2.047 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. -0.01 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.4	60.4
76	11.4	0.0	31.9

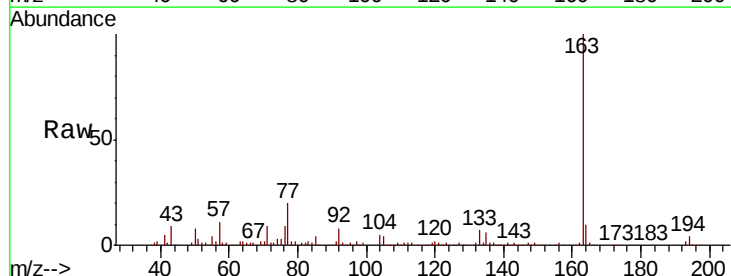


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

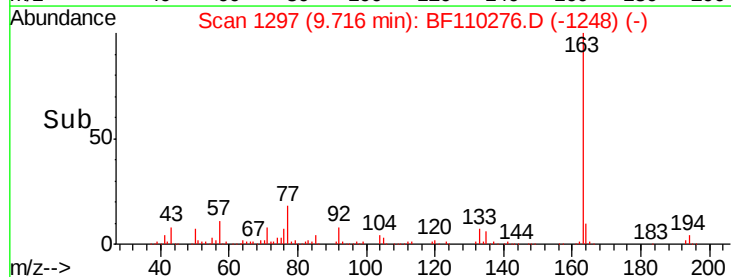
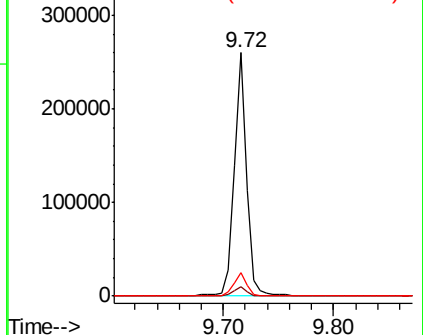


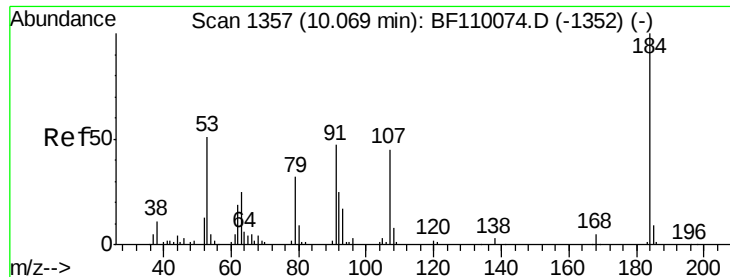
#50
 Dimethylphthalate
 Concen: 12.381 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.01 min
 Lab File: BF110276.D
 Acq: 29 Oct 2018 21:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.6	8.1	12.1



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

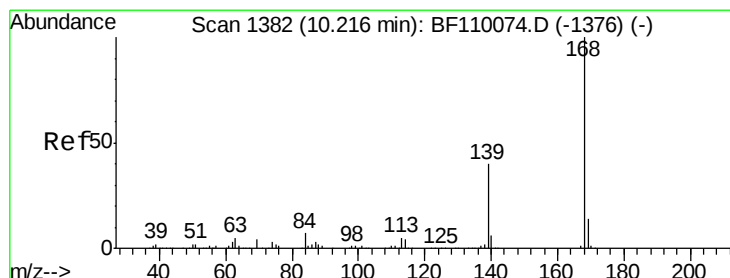
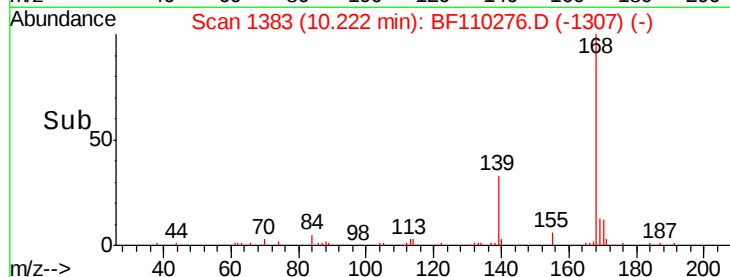
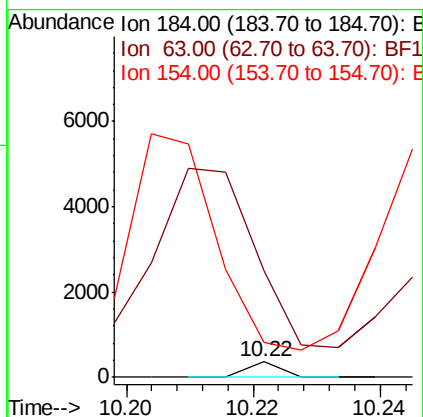
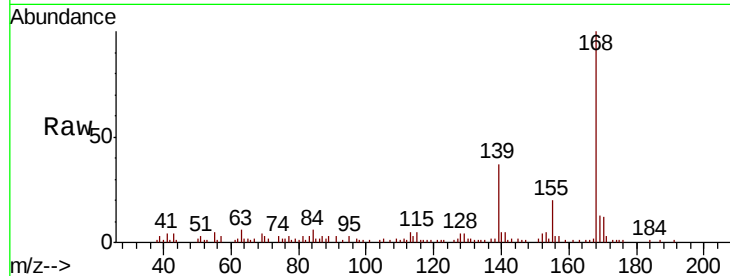




#54
2,4-Dinitrophenol
Concen: 5.260 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.15 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

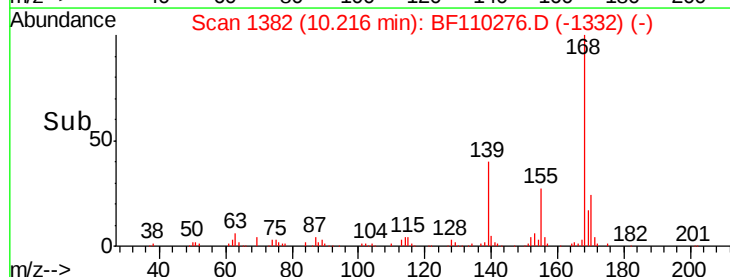
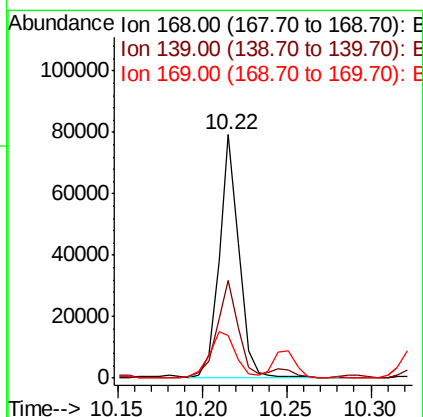
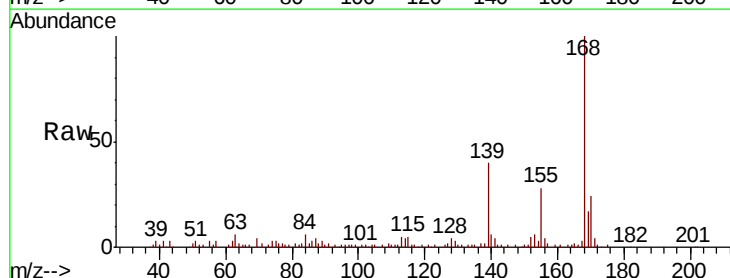
Instrument :
BNA_F
ClientSampleId :

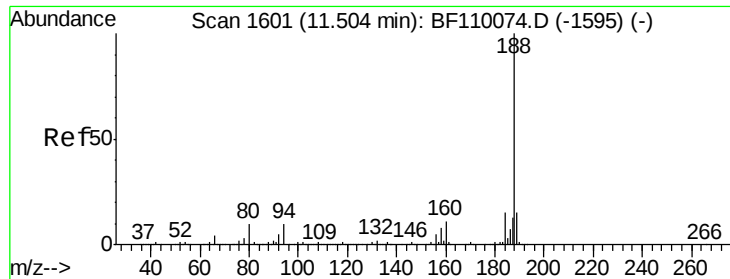
Tot Ion:184 Resp: 127
Ion Ratio Lower Upper
184 100
63 688.9 55.8 83.6#
154 224.9 63.2 94.8#



#55
Dibenzofuran
Concen: 3.308 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Tgt Ion:168 Resp: 65040
Ion Ratio Lower Upper
168 100
139 40.0 33.0 49.6
169 17.4 11.3 16.9#

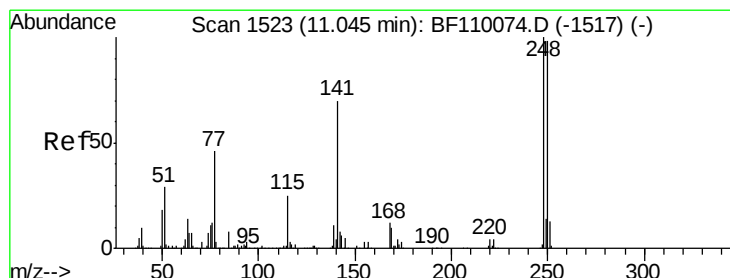
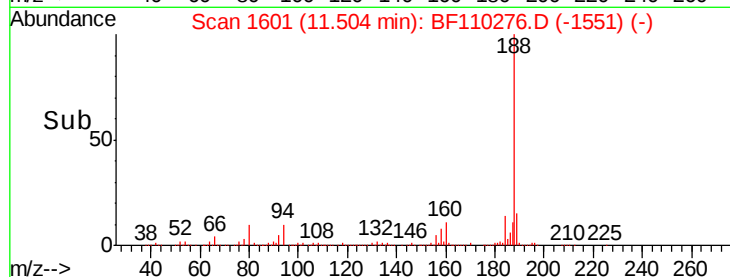
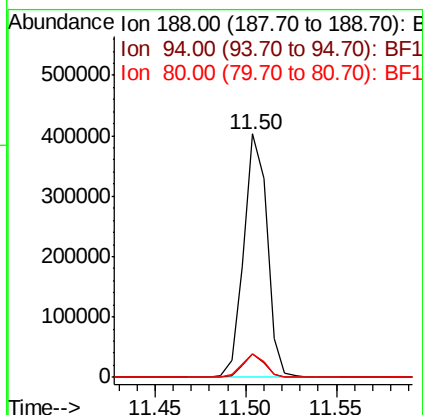
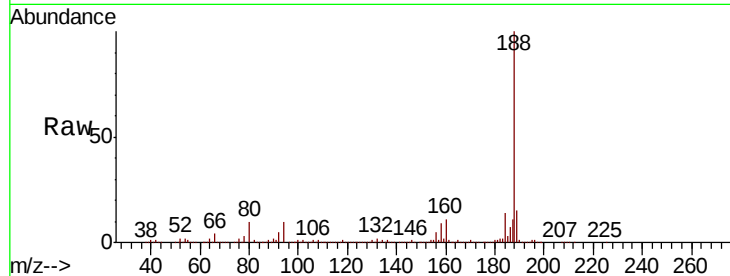




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

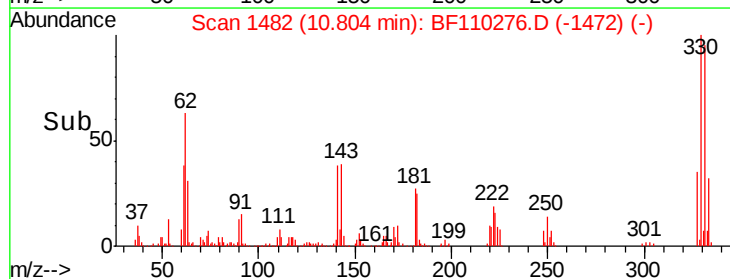
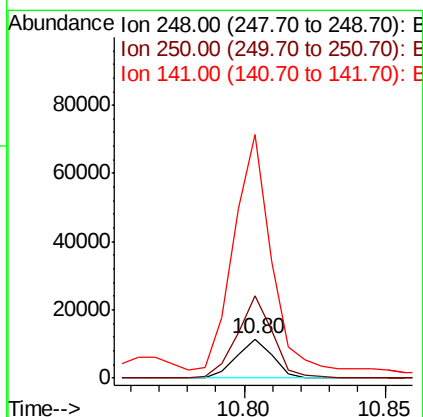
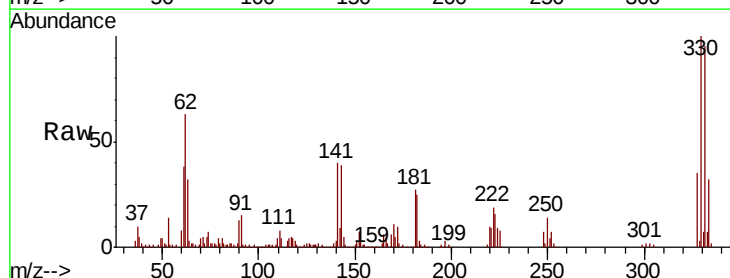
Instrument :
BNA_F
ClientSampled :

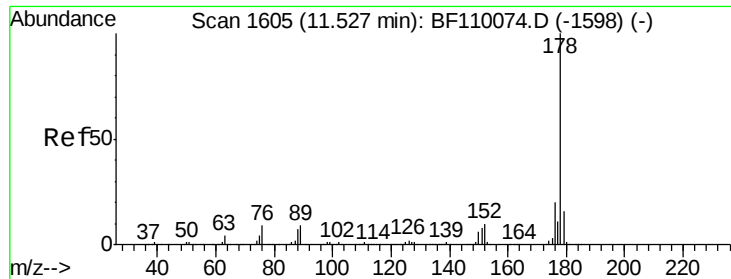
Tot Ion:188 Resp: 360774
Ion Ratio Lower Upper
188 100
94 9.8 7.2 10.8
80 9.8 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 2.601 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.24 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Tgt Ion:248 Resp: 10177
Ion Ratio Lower Upper
248 100
250 210.4 79.4 119.2#
141 617.2 55.9 83.9#

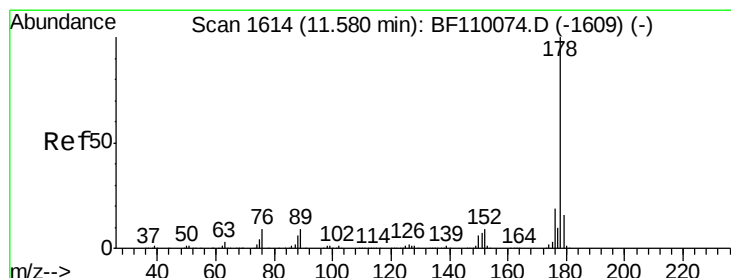
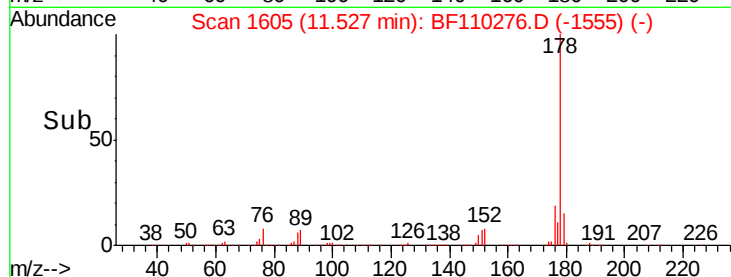
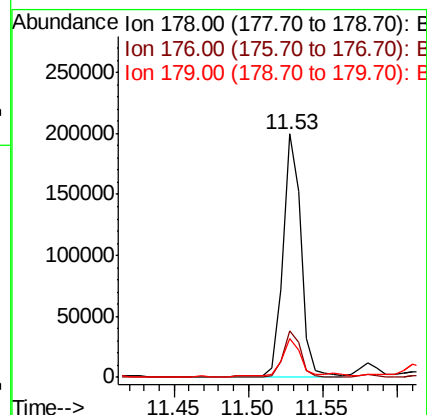
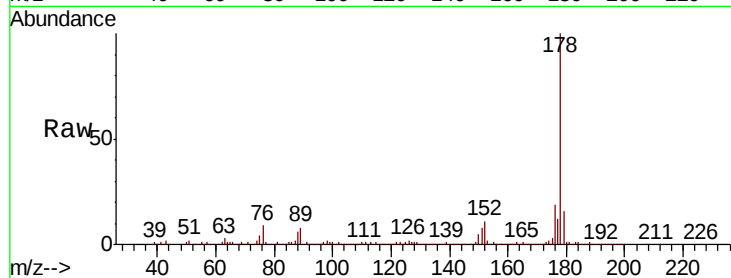




#71
Phenanthrene
Concen: 8.929 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

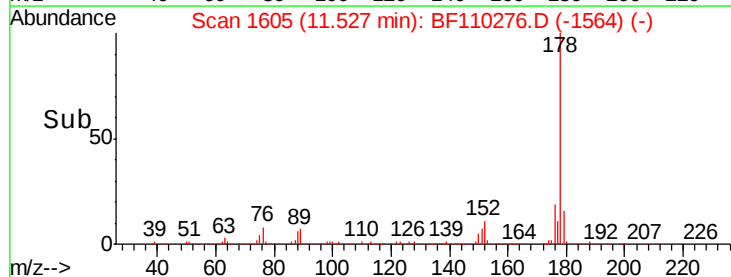
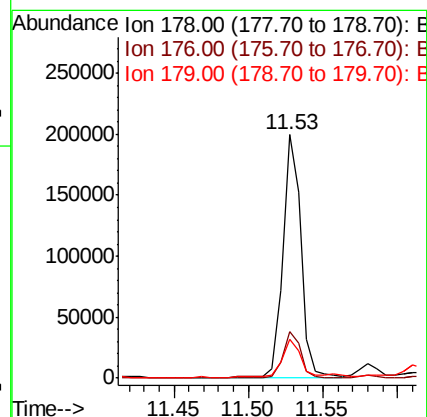
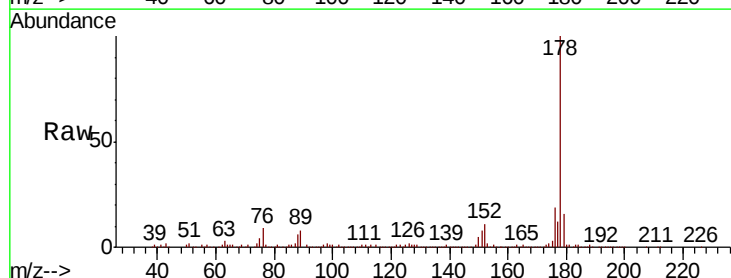
Instrument :
BNA_F
ClientSampled :

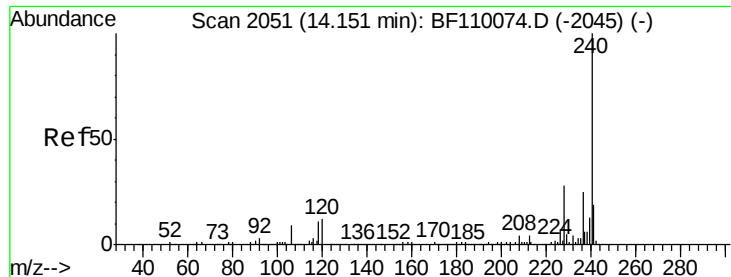
Tot Ion:178 Resp: 168553
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.8 12.5 18.7



#72
Anthracene
Concen: 8.908 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.06 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Tgt Ion:178 Resp: 168553
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.8 12.6 18.8

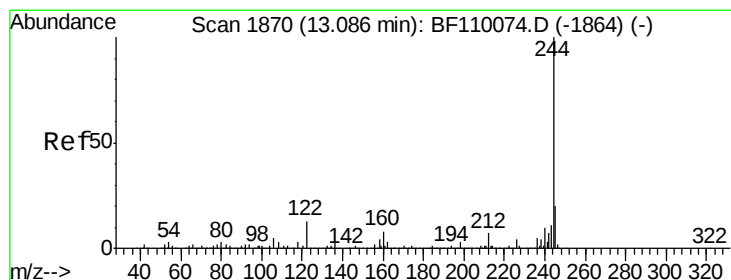
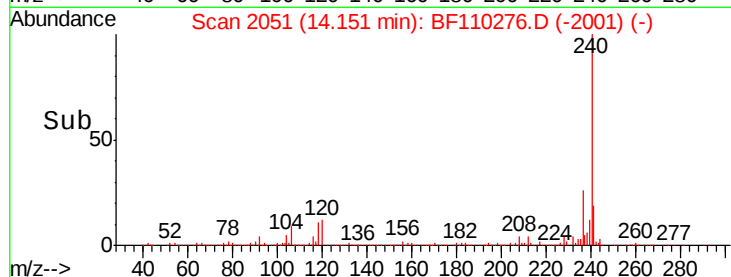
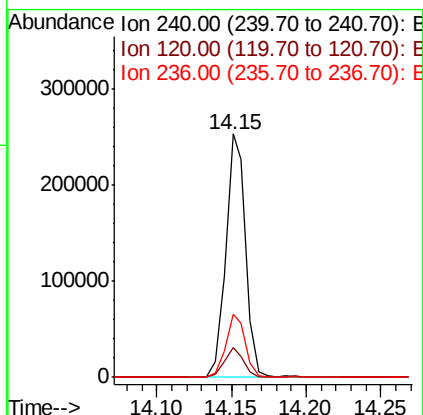
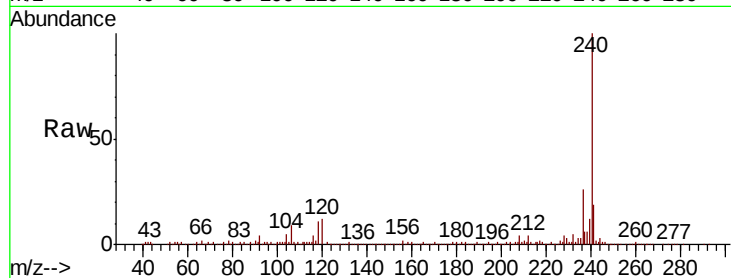




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

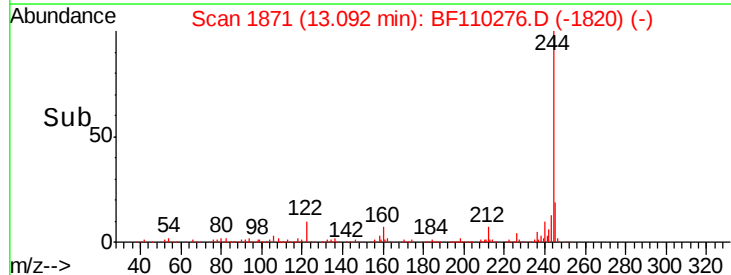
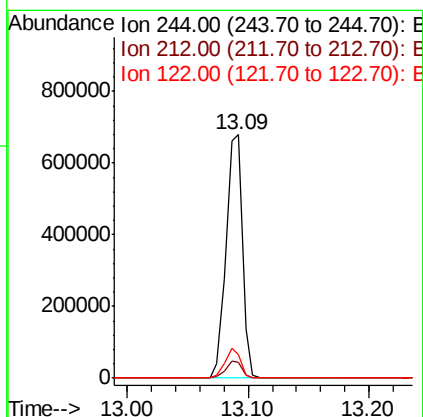
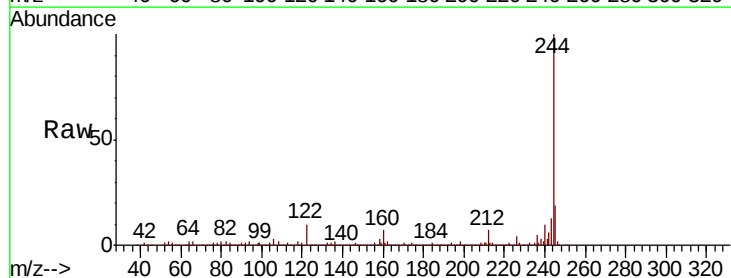
Instrument :
BNA_F
ClientSampleId :

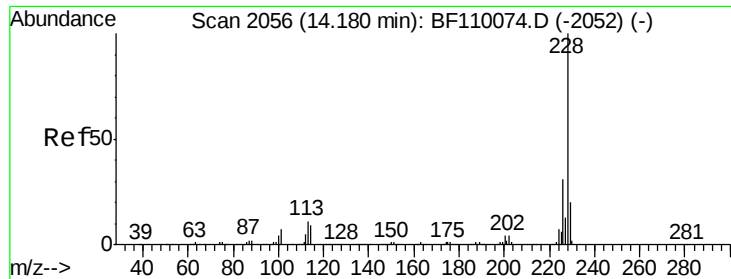
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.3	12.5
236	25.9	21.2	31.8



#79
Terphenyl-d14
Concen: 56.463 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	9.6	8.7	13.1





#83

Chrysene

Concen: 3.156 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

Instrument :

BNA_F

ClientSampleId :

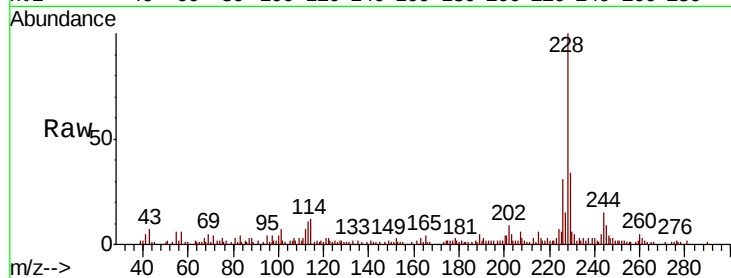
Tot Ion:228 Resp: 41909

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

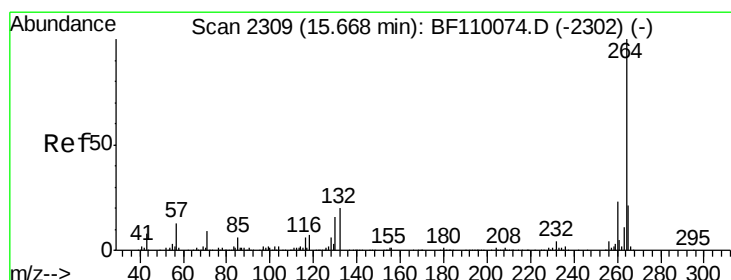
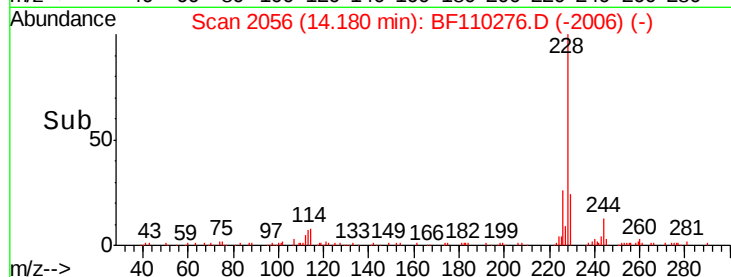
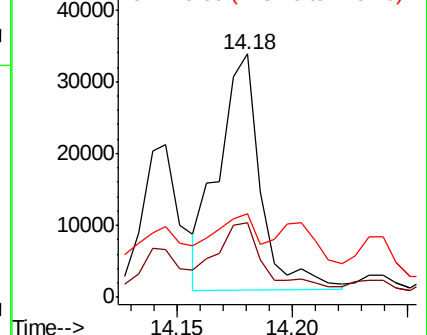
229 34.5 15.9 23.9#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2312

Delta R.T. 0.00 min

Lab File: BF110276.D

Acq: 29 Oct 2018 21:45

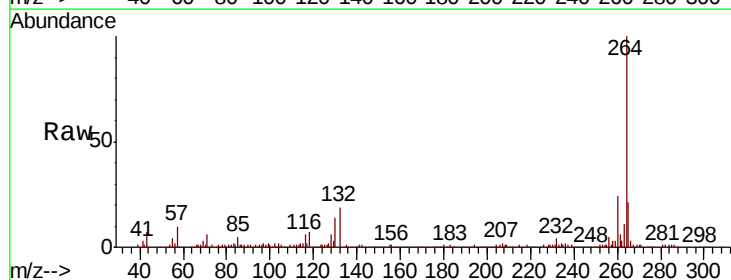
Tgt Ion:264 Resp: 200369

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

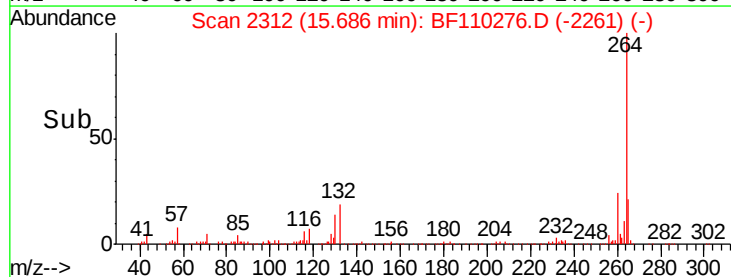
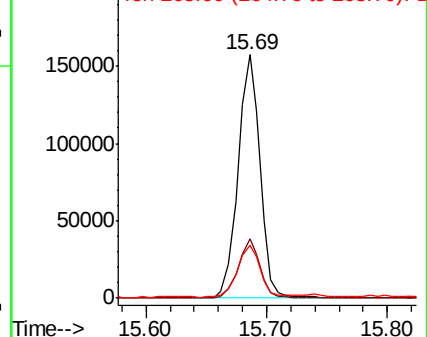
265 21.5 16.7 25.1

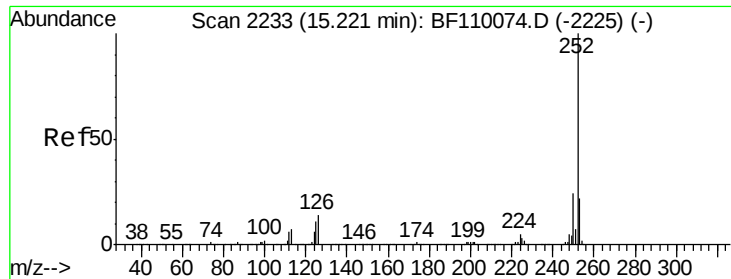


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

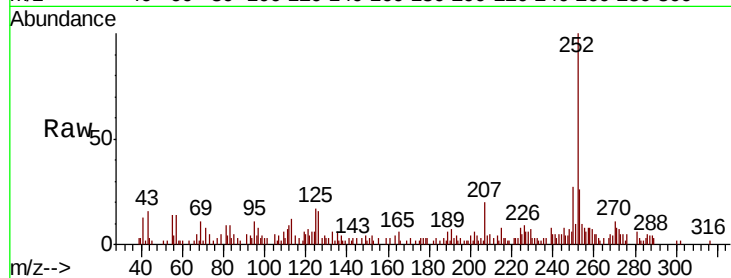




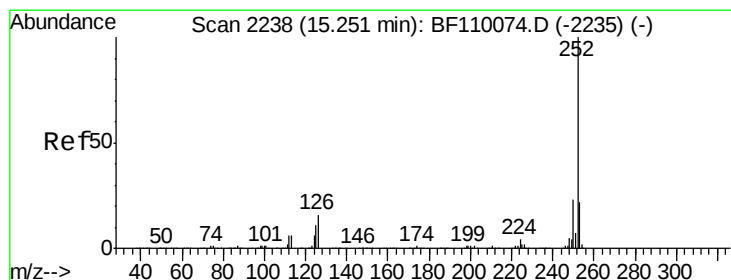
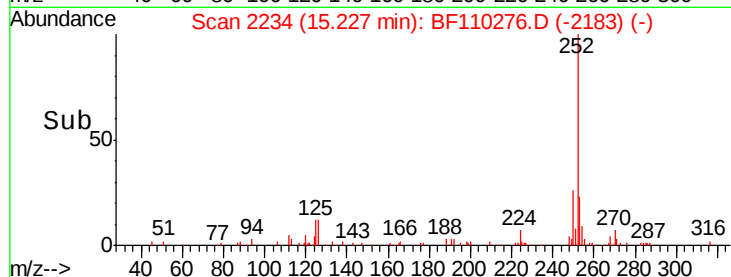
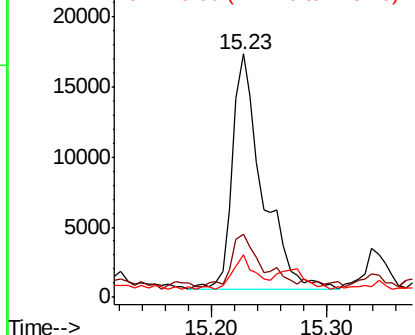
#88
Benzo(b)fluoranthene
Concen: 2.617 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 30281
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8#
125 17.3 8.2 12.4#

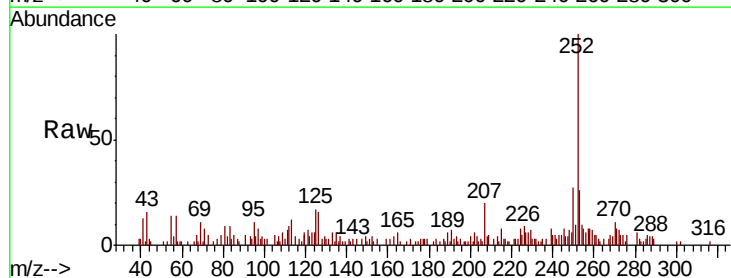


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.662 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110276.D
Acq: 29 Oct 2018 21:45

Tgt Ion:252 Resp: 30281
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8#
125 17.3 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

