

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
 Data File : BF110725.D
 Acq On : 13 Nov 2018 18:04
 Operator : JU/SJ
 Sample : J5909-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 13 18:30:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	79032	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	313694	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	137327	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	209110	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	148960	20.00	ng	-0.01
87) Perylene-d12	15.66	264	146354	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	518341	106.53	ng	0.00
7) Phenol-d6	6.57	99	656476	105.51	ng	0.00
23) Nitrobenzene-d5	7.51	82	416940	76.54	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	130954	94.64	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	621433	64.63	ng	0.00
79) Terphenyl-d14	13.06	244	406898	51.16	ng	-0.01

Target Compounds

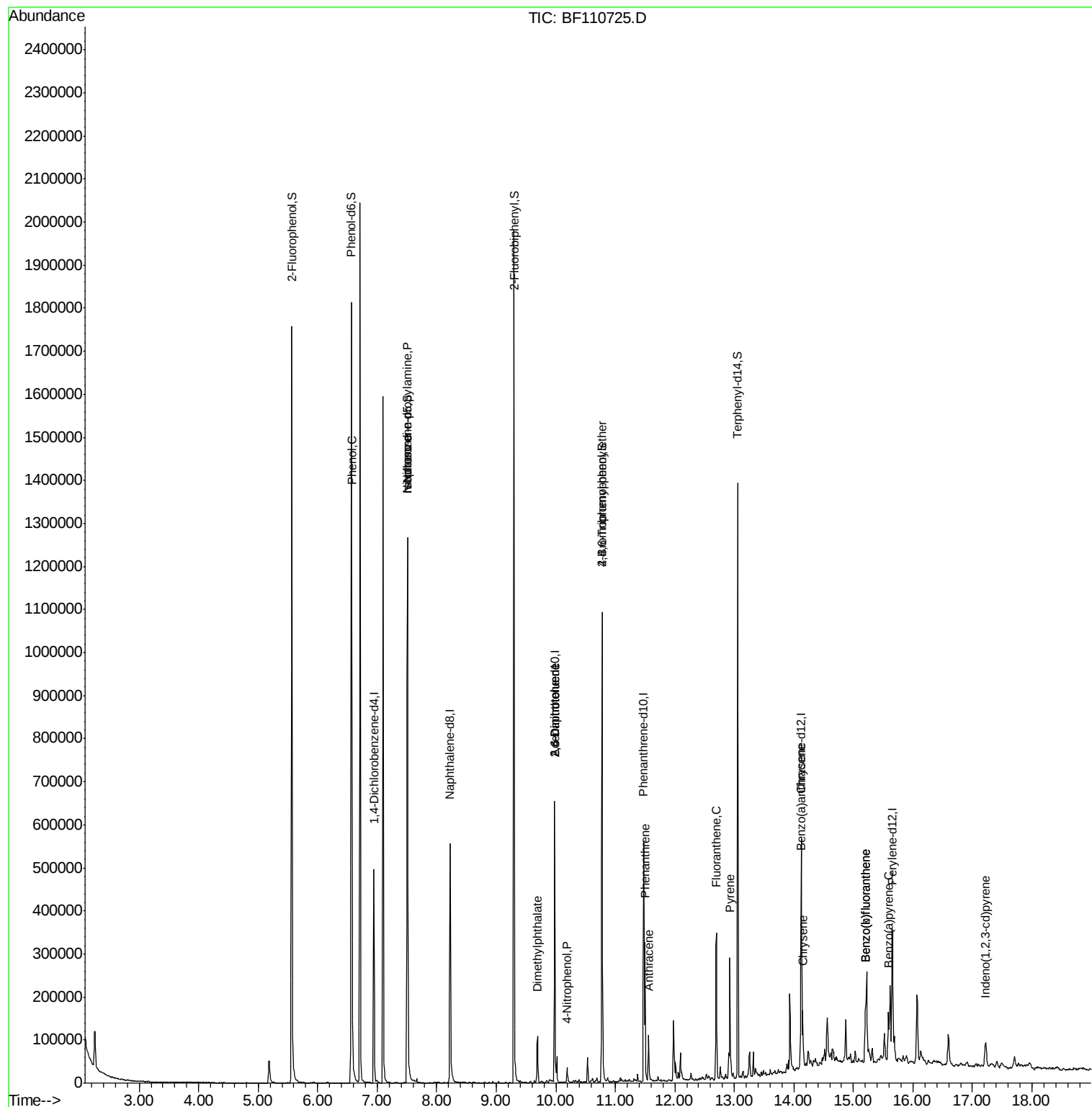
					Qvalue	
9) Benzaldehyde	6.57	77	1227	Below Cal	#	1
10) Phenol	6.58	94	34477	4.779 ng	#	72
19) n-Nitroso-di-n-propylamine	7.51	70	54794	13.796 ng	#	80
25) Isophorone	7.51	82	416967	46.704 ng	#	67
50) Dimethylphthalate	9.69	163	49453	4.826 ng		99
51) 2,6-Dinitrotoluene	9.98	165	17548	7.785 ng	#	21
56) 4-Nitrophenol	10.19	139	5452	3.147 ng	#	6
57) 2,4-Dinitrotoluene	9.98	165	17548	5.987 ng	#	17
67) 4-Bromophenyl-phenylether	10.77	248	8497	3.677 ng	#	1
71) Phenanthrene	11.50	178	128881	11.504 ng		99
72) Anthracene	11.56	178	47955	4.243 ng		100
75) Fluoranthene	12.70	202	142414	12.680 ng		96
78) Pvrene	12.93	202	112205	9.783 ng		96
81) Benzo(a)anthracene	14.12	228	59085	6.636 ng		96
83) Chrysene	14.15	228	50439	5.946 ng		98
86) Indeno(1,2,3-cd)pyrene	17.23	276	25051	4.116 ng		98
88) Benzo(b)fluoranthene	15.20	252	89984	10.278 ng		96
89) Benzo(k)fluoranthene	15.20	252	89984	10.401 ng	#	96
90) Benzo(a)pvrene	15.59	252	48922	6.150 ng		97

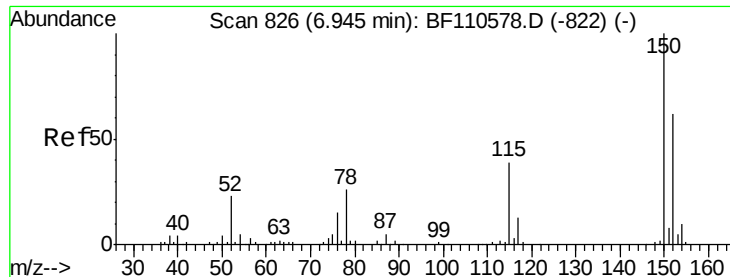
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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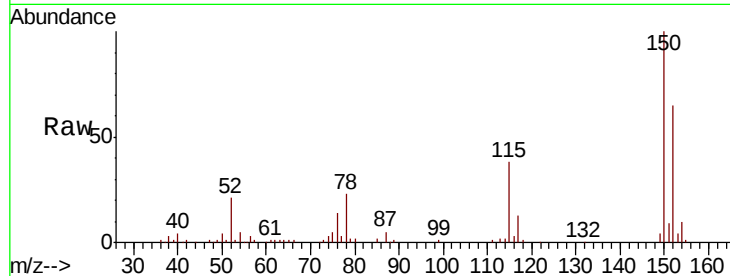


#1

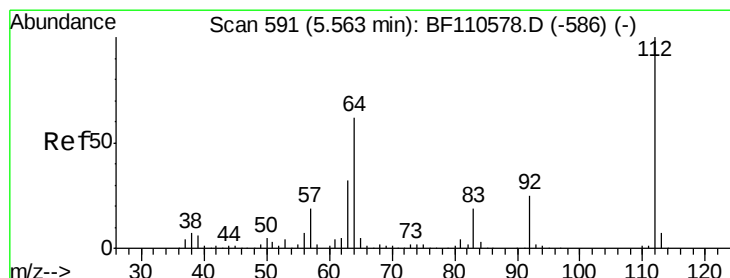
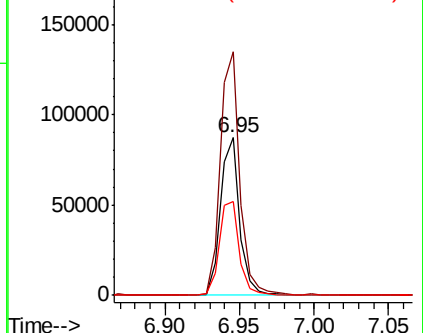
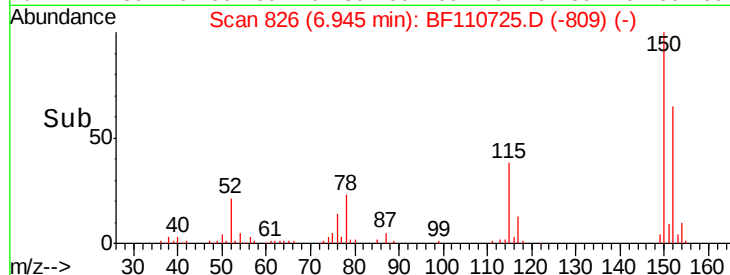
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 79032
 Ion Ratio Lower Upper
 152 100
 150 154.8 122.7 184.1
 115 59.4 49.1 73.7



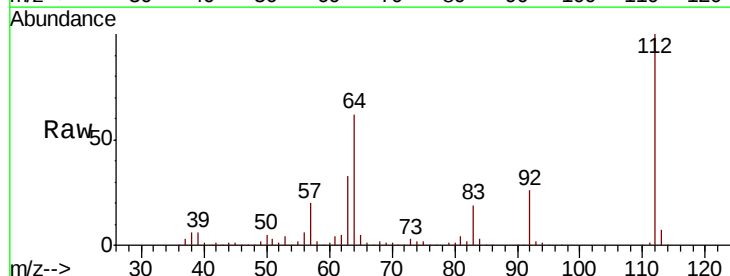
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



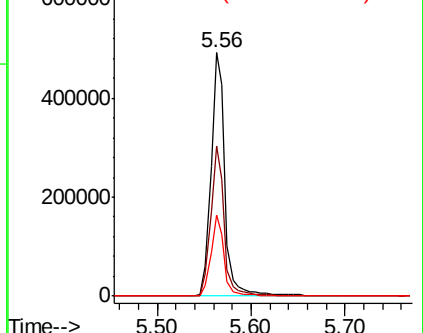
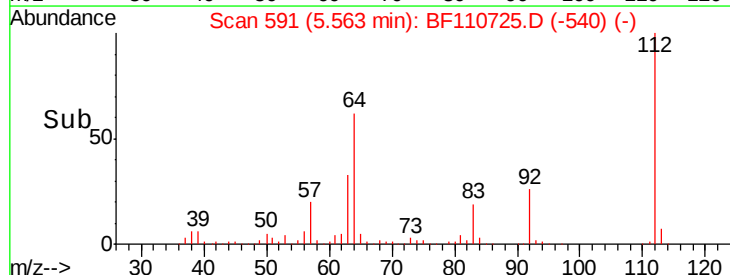
#5

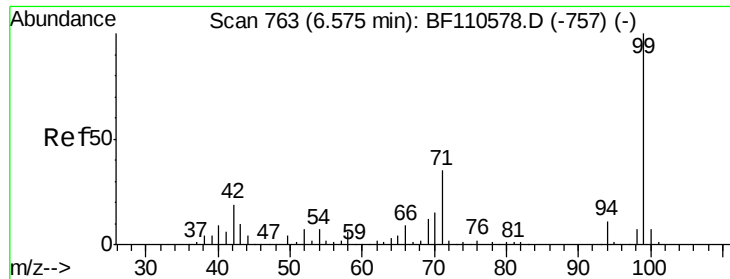
2-Fluorophenol
 Concen: 106.533 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Tgt Ion:112 Resp: 518341
 Ion Ratio Lower Upper
 112 100
 64 61.6 44.1 66.1
 63 33.4 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: 105.511 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

Instrument :

BNA_F

ClientSampleId :

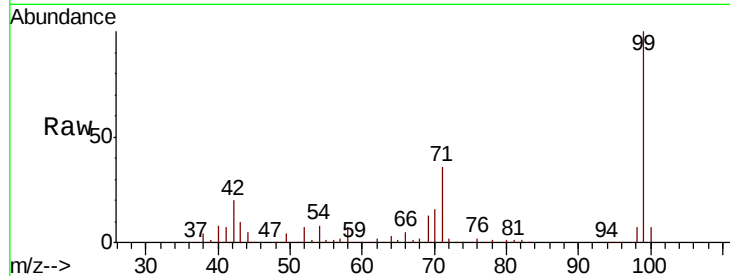
Tot Ion: 99 Resp: 656476

Ion Ratio Lower Upper

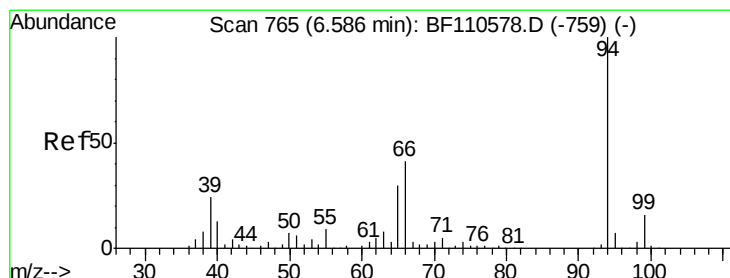
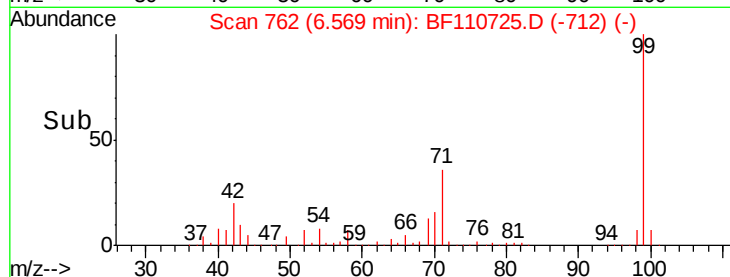
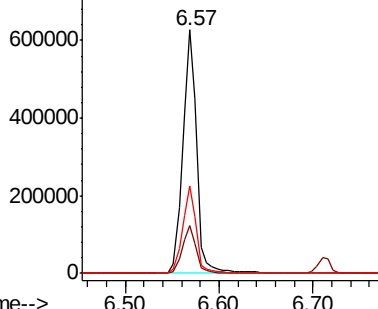
99 100

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: 4.779 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

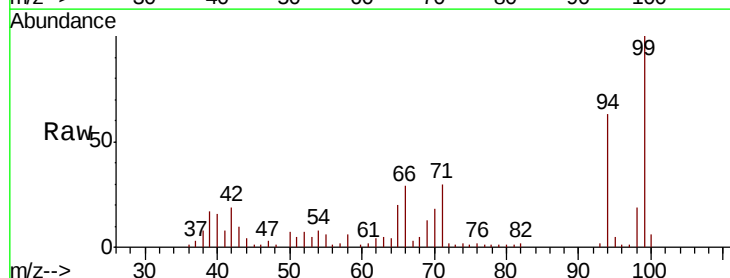
Tgt Ion: 94 Resp: 34477

Ion Ratio Lower Upper

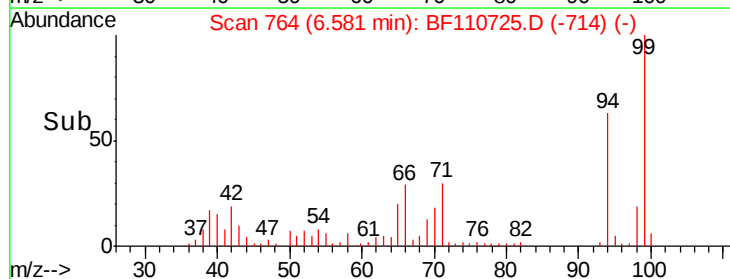
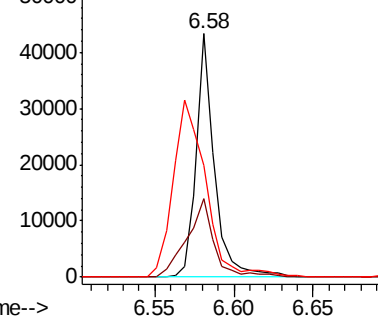
94 100

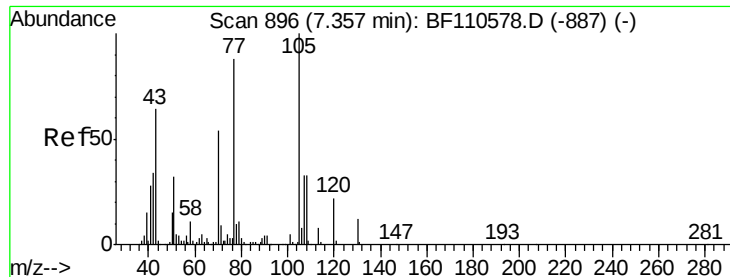
65 32.4 25.3 65.3

66 45.9 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

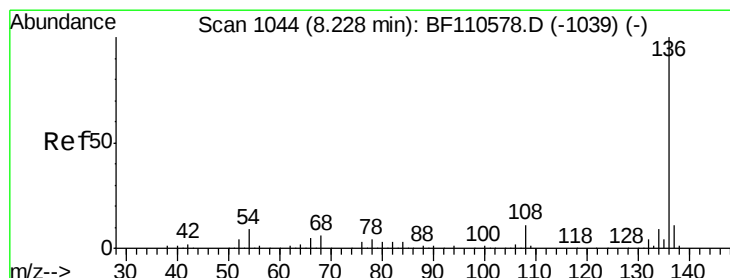
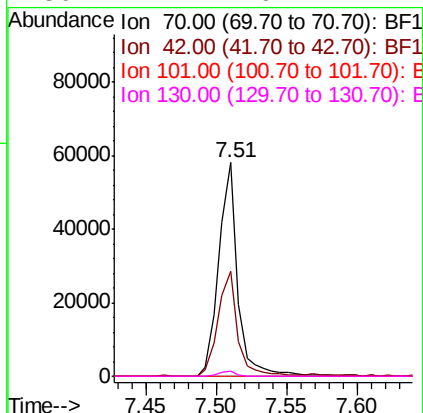
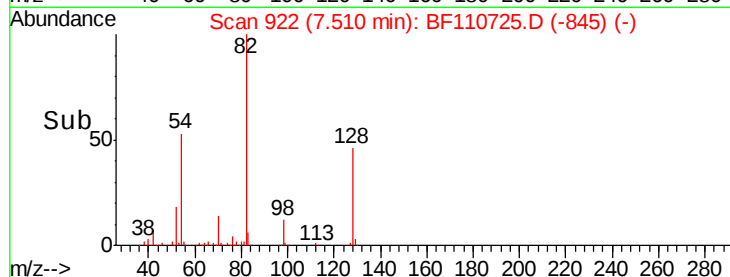
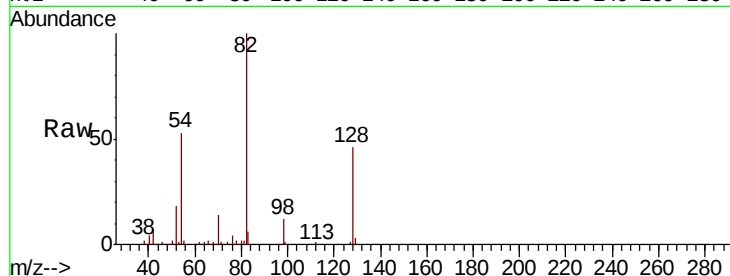




#19
n-Nitroso-di-n-propylamine
Concen: 13.796 ng
RT: 7.51 min Scan# 922
Delta R.T. 0.15 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

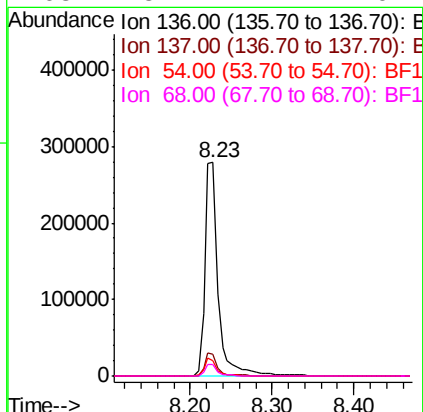
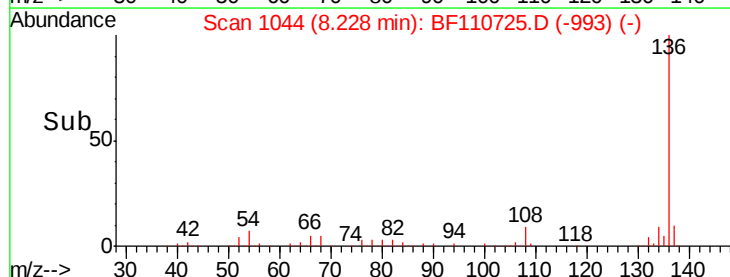
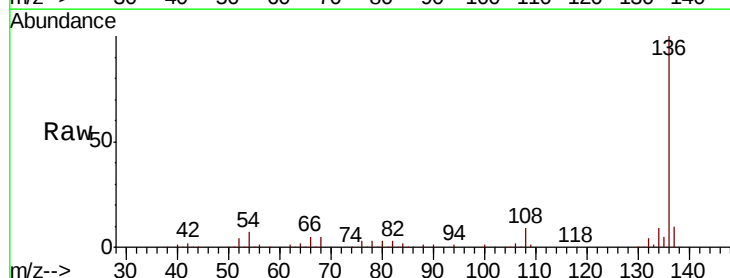
Instrument :
BNA_F
ClientSampleId :

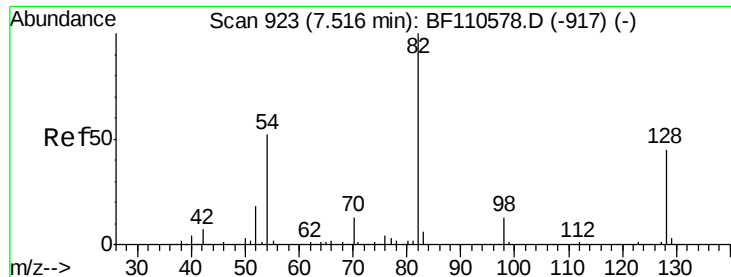
Tot Ion: 70 Resp: 54794
Ion Ratio Lower Upper
70 100
42 49.3 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Tgt Ion: 136 Resp: 313694
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.2 5.4 8.2
68 5.2 4.2 6.2

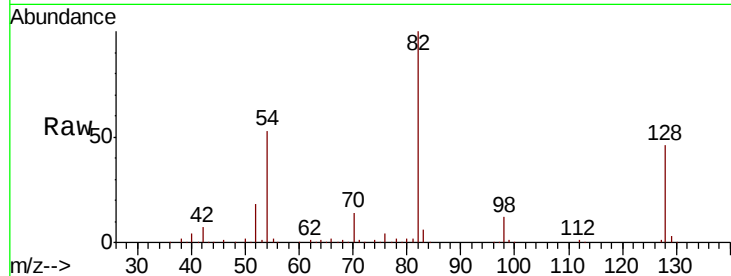




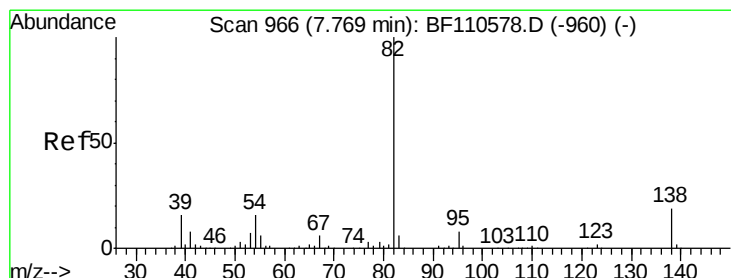
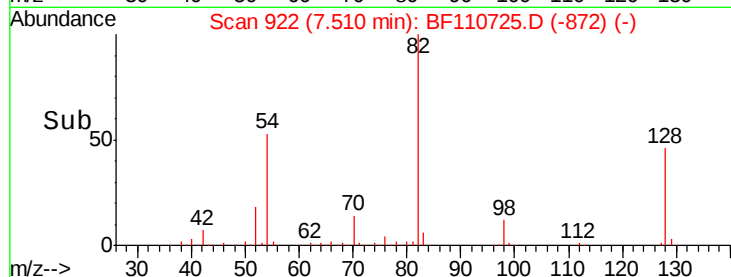
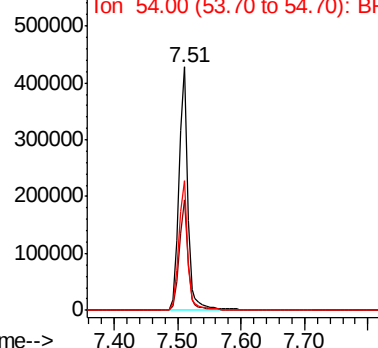
#23
Nitrobenzene-d5
Concen: 76.544 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 416940
Ion Ratio Lower Upper
82 100
128 45.6 34.2 51.2
54 53.1 38.6 58.0

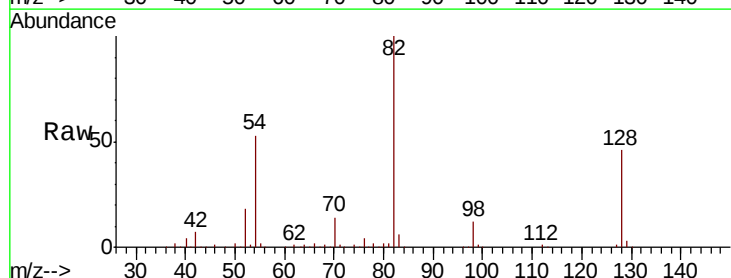


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

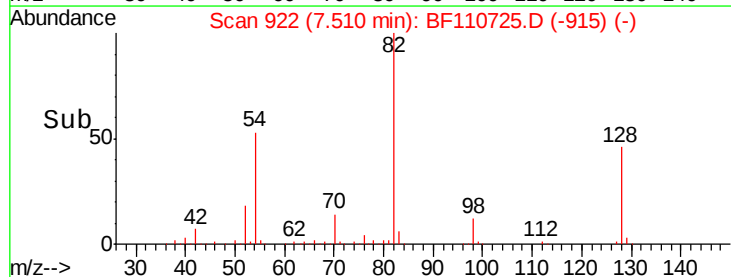
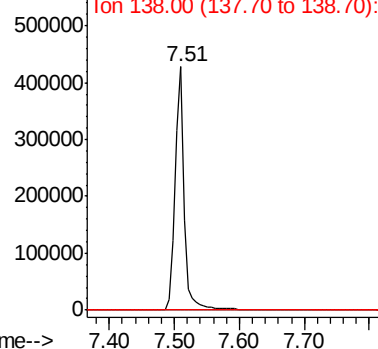


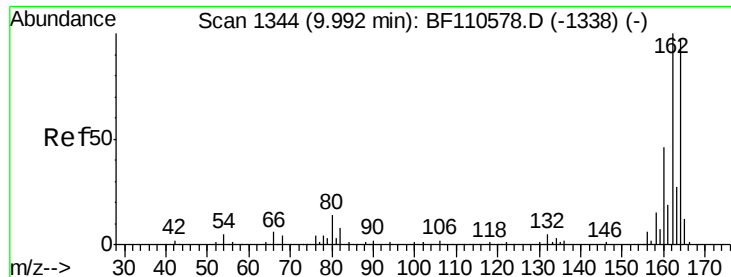
#25
Isophorone
Concen: 46.704 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.26 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Tgt Ion: 82 Resp: 416967
Ion Ratio Lower Upper
82 100
95 0.0 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

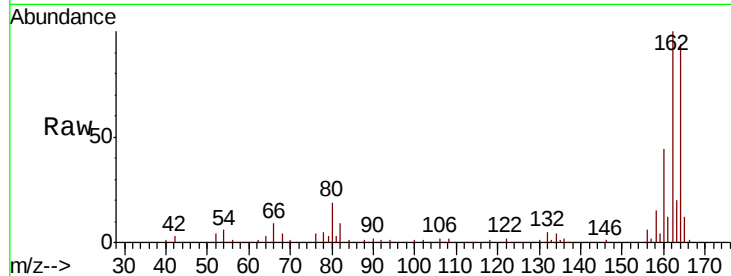




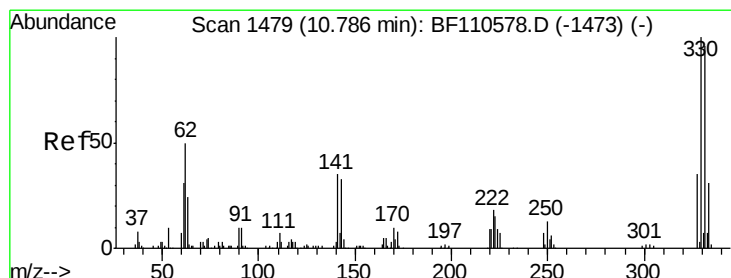
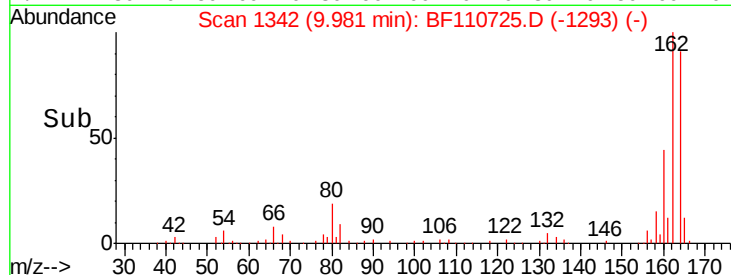
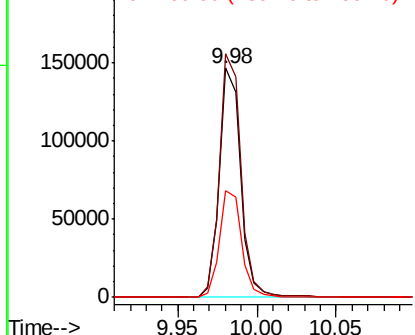
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 137327
Ion Ratio Lower Upper
164 100
162 106.2 83.0 124.6
160 46.3 37.0 55.6

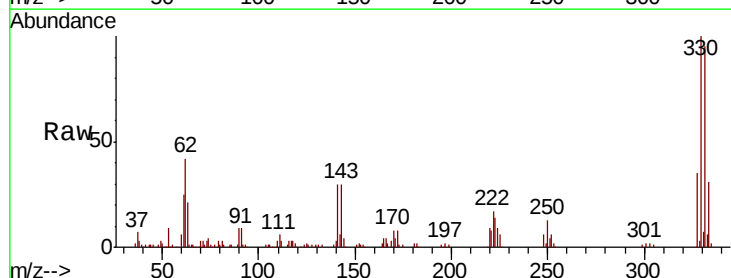


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

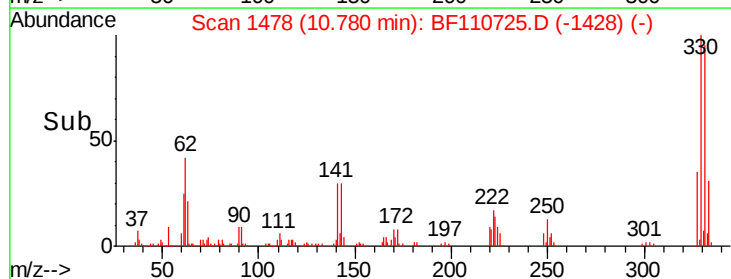
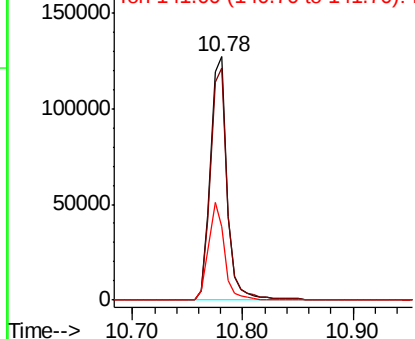


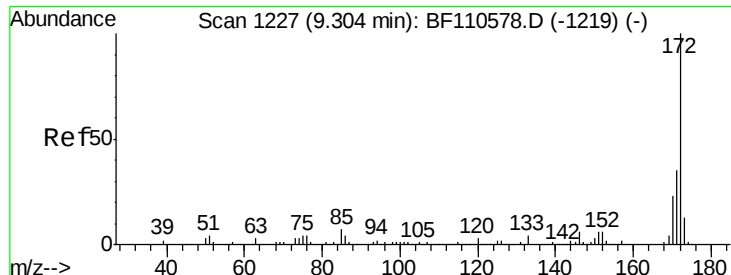
#42
2,4,6-Tribromophenol
Concen: 94.638 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Tgt Ion:330 Resp: 130954
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 37.9 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

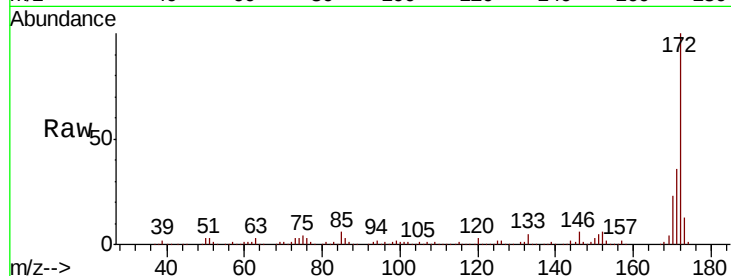




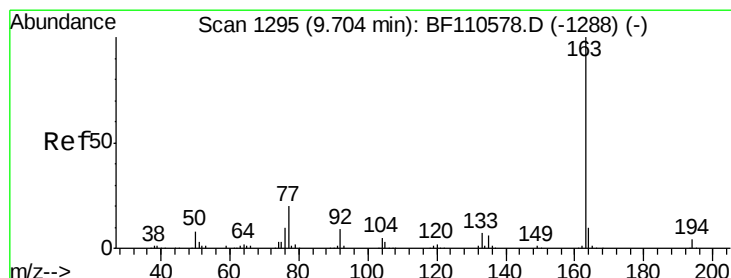
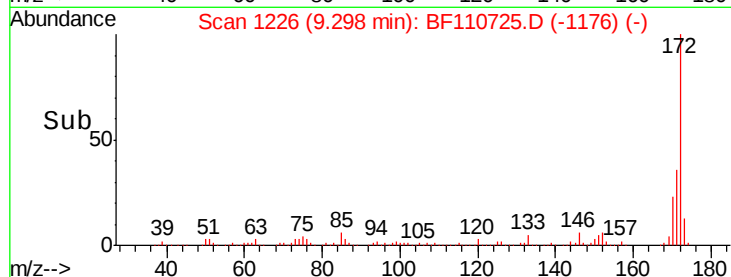
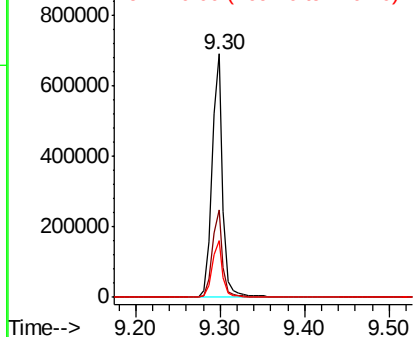
#45
2-Fluorobiphenyl
Concen: 64.628 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 621433
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.3 19.7 29.5

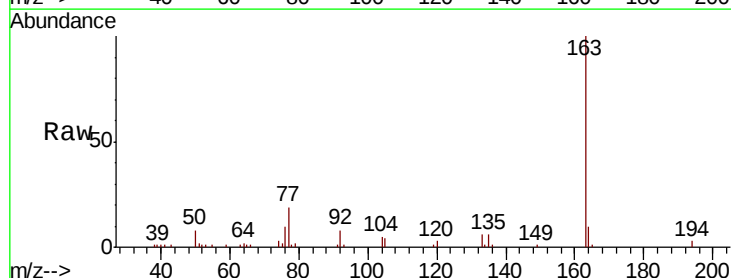


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

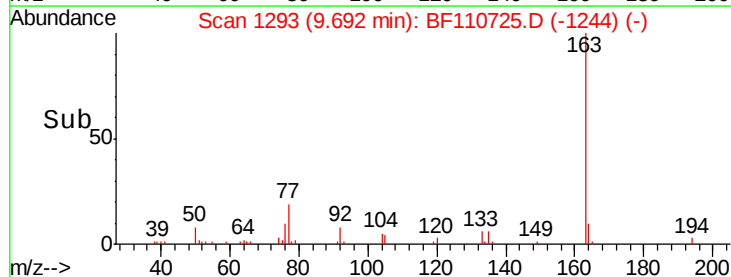
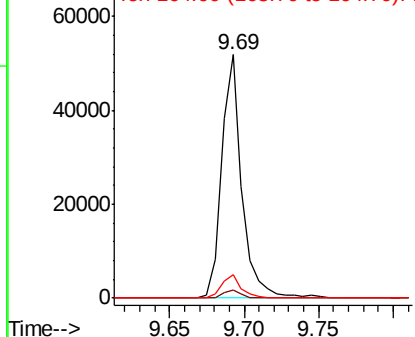


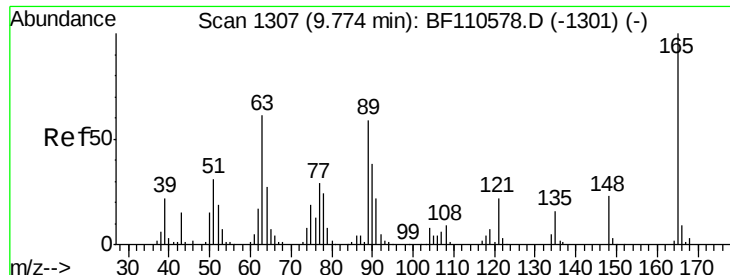
#50
Dimethylphthalate
Concen: 4.826 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Tgt Ion:163 Resp: 49453
Ion Ratio Lower Upper
163 100
194 3.5 3.2 4.8
164 9.9 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

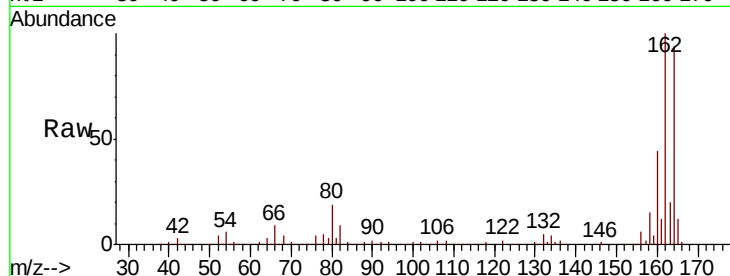




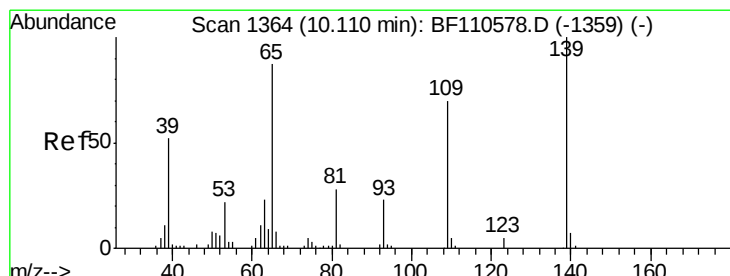
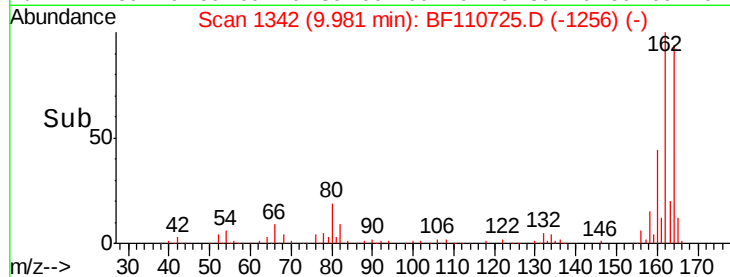
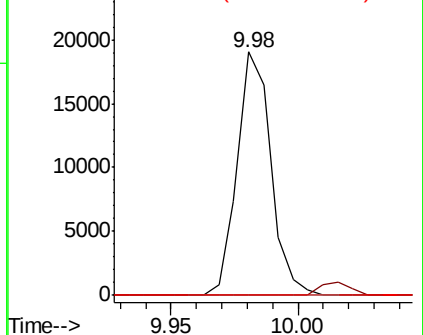
#51
 2,6-Dinitrotoluene
 Concen: 7.785 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.21 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	48.9	73.3#
89	0.0	46.6	69.8#

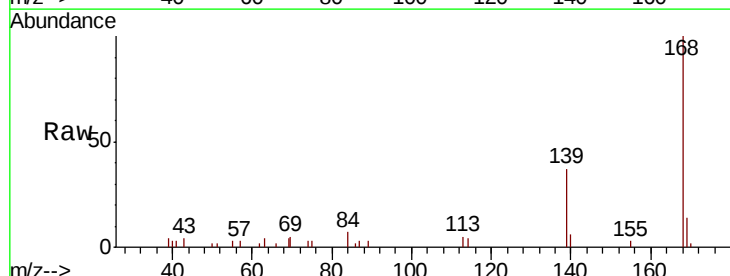


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

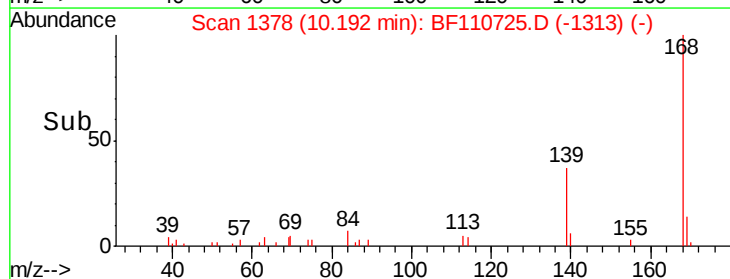
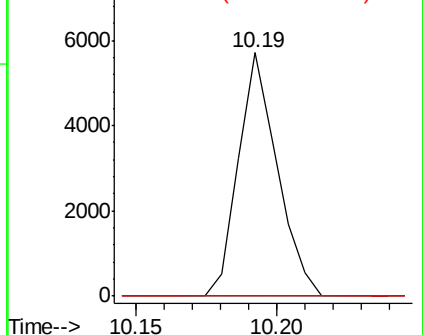


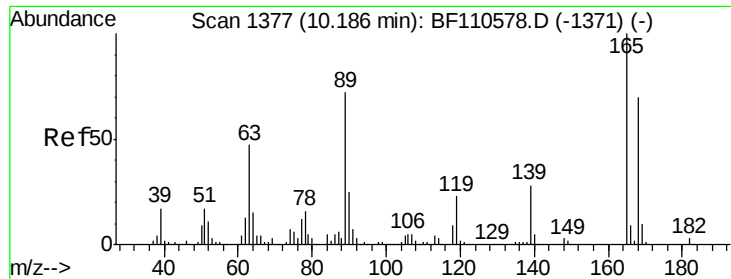
#56
 4-Nitrophenol
 Concen: 3.147 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.08 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

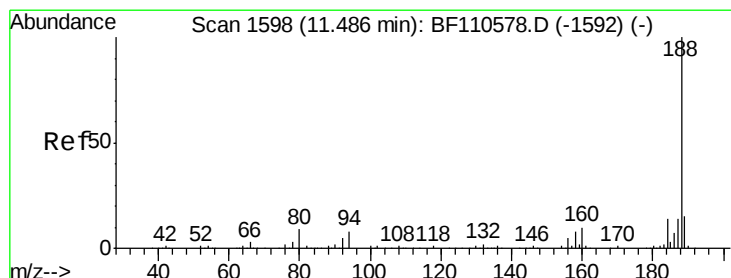
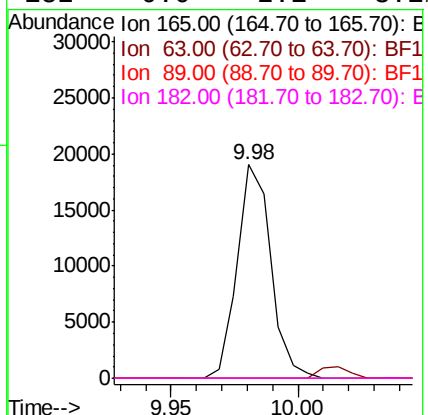
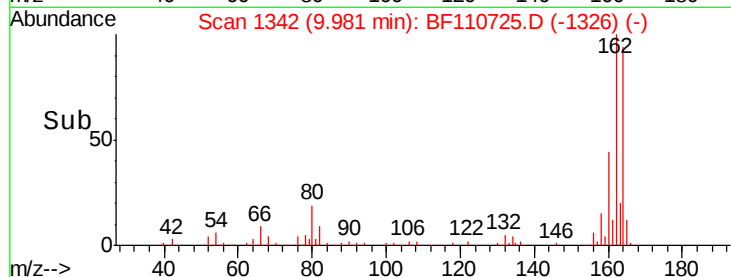
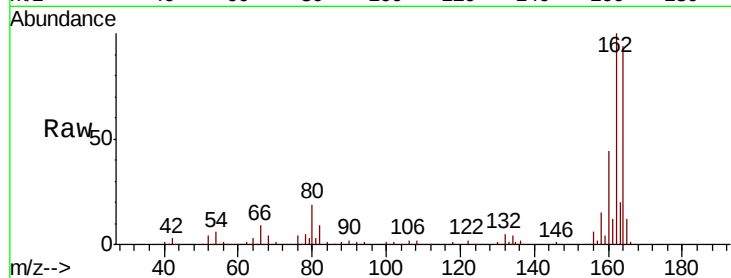




#57
 2,4-Dinitrotoluene
 Concen: 5.987 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.21 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

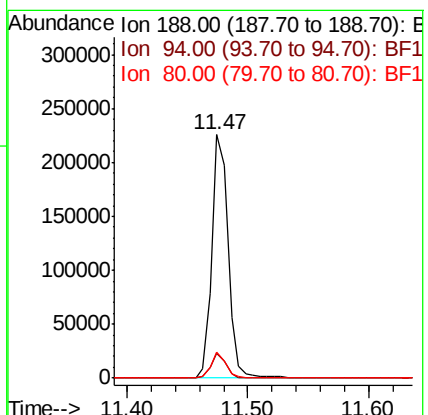
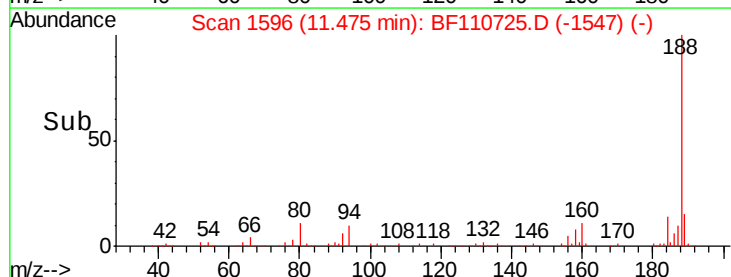
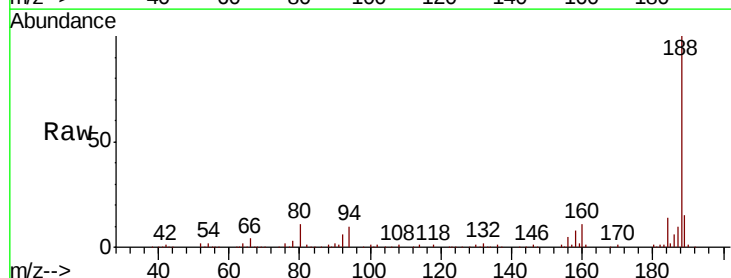
Instrument :
 BNA_F
 ClientSampleId :

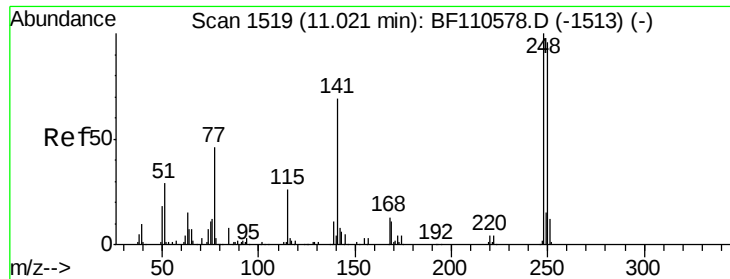
Tot Ion:165	Resp:	17548
Ion Ratio	Lower	Upper
165	100	
63	0.0	44.8 67.2#
89	0.0	62.2 93.4#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Tgt Ion:188	Resp:	209110
Ion Ratio	Lower	Upper
188	100	
94	10.0	7.2 10.8
80	10.5	7.9 11.9

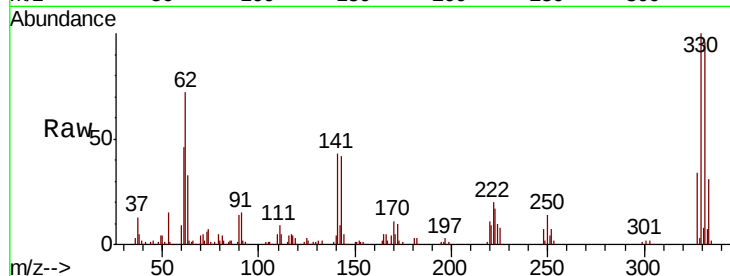




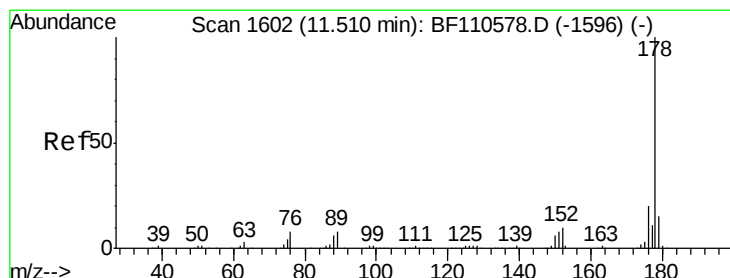
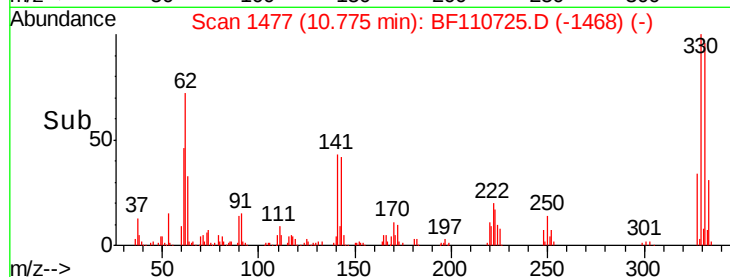
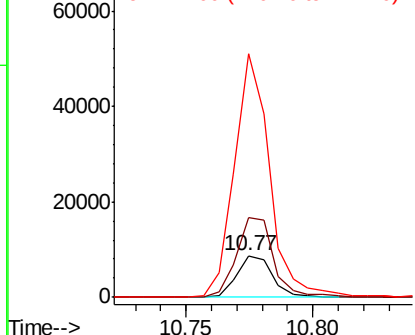
#67
 4-Bromophenyl-phenylether
 Concen: 3.677 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. -0.25 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8497
 Ion Ratio Lower Upper
 248 100
 250 192.0 79.4 119.2#
 141 584.3 55.9 83.9#

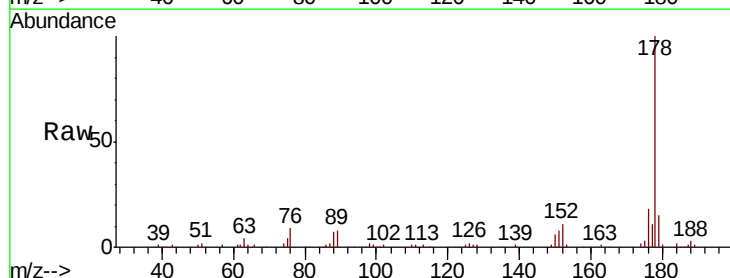


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

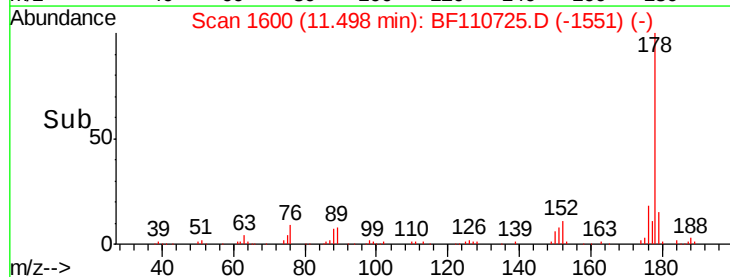
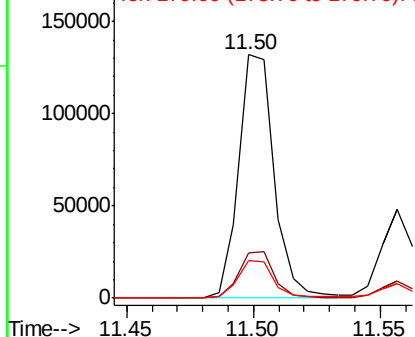


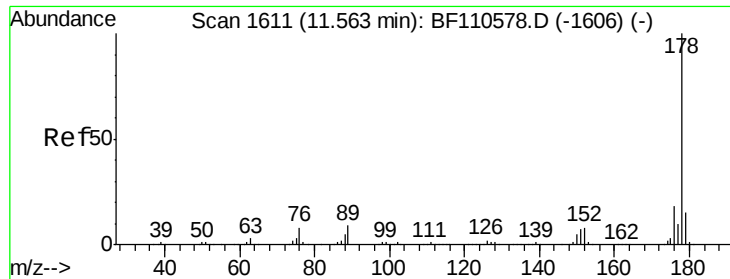
#71
 Phenanthrene
 Concen: 11.504 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Tgt Ion:178 Resp: 128881
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.5 23.3
 179 15.4 12.5 18.7



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

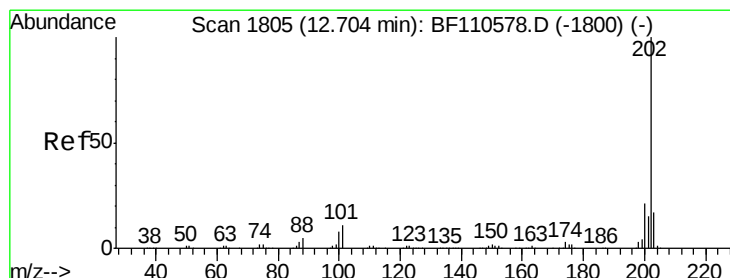
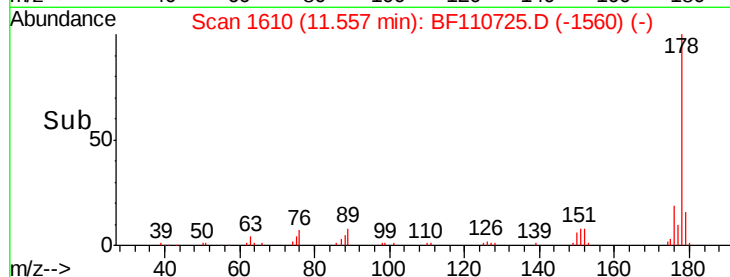
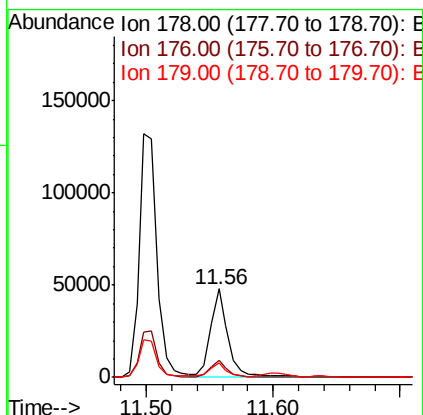
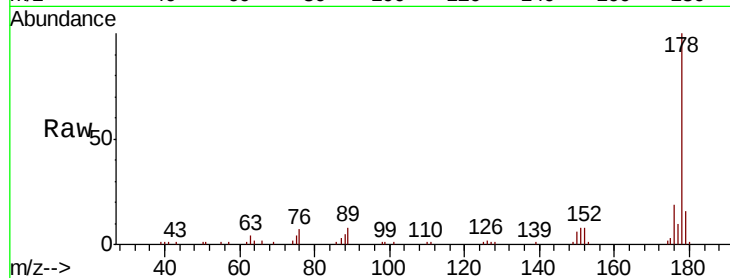




#72
 Anthracene
 Concen: 4.243 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

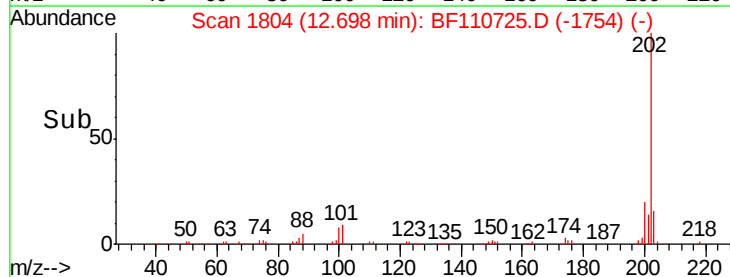
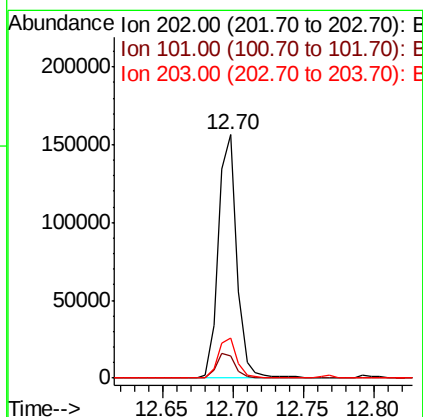
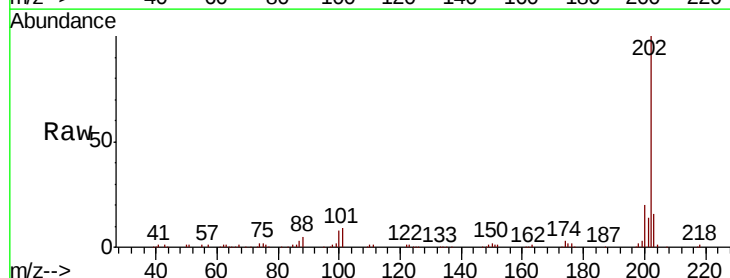
Instrument :
 BNA_F
 ClientSampleId :

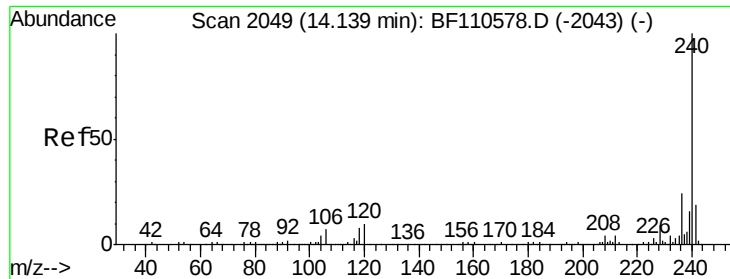
Tot Ion:178 Resp: 47955
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 16.1 12.6 18.8



#75
 Fluoranthene
 Concen: 12.680 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110725.D
 Acq: 13 Nov 2018 18:04

Tgt Ion:202 Resp: 142414
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.4
 203 16.4 0.0 37.7

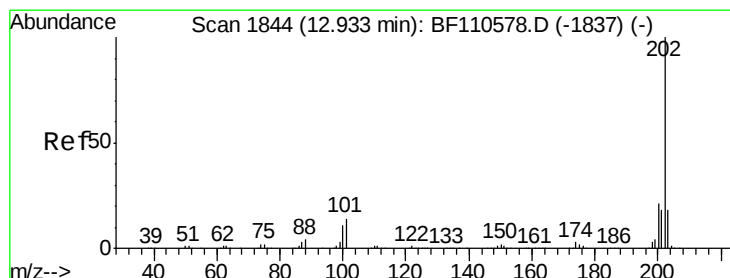
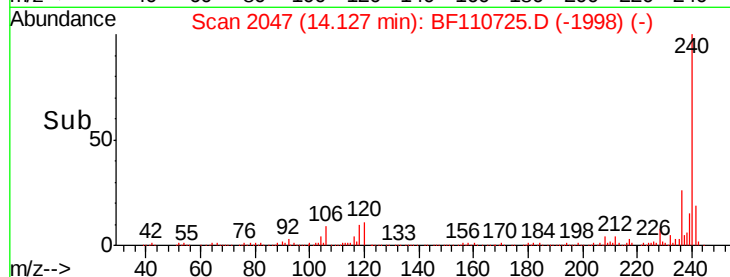
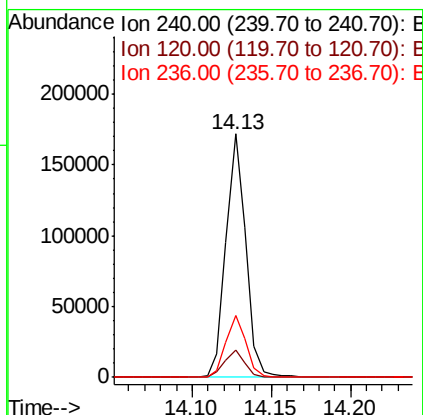
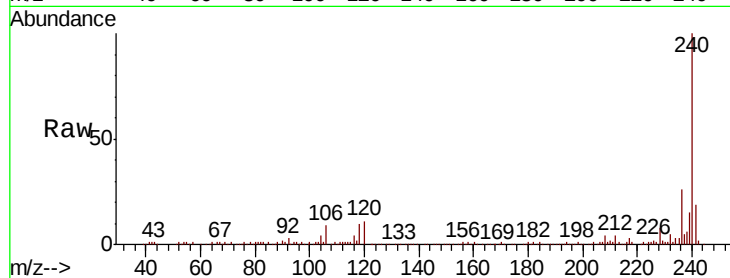




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

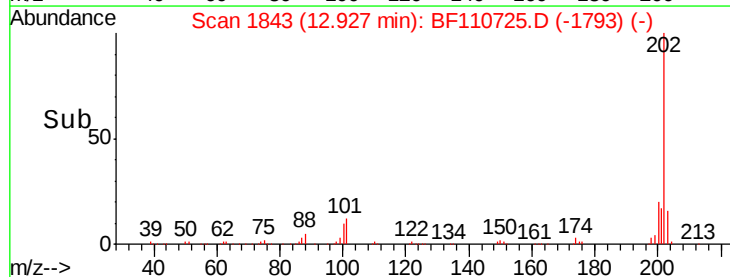
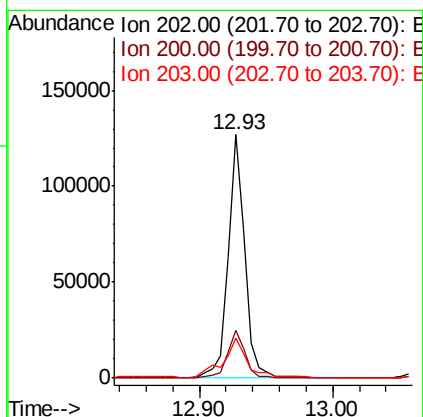
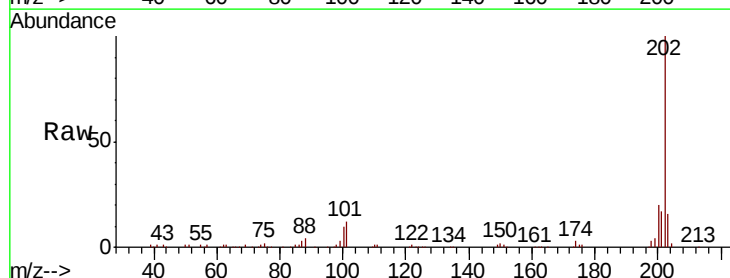
Instrument :
BNA_F
ClientSampleId :

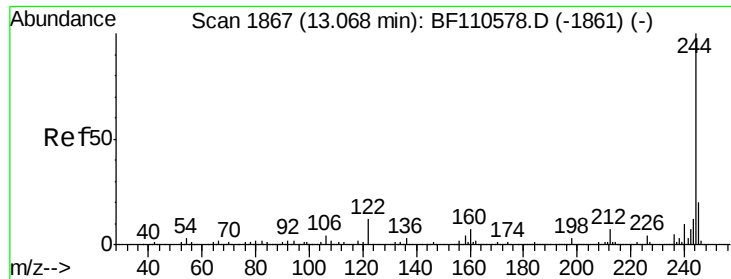
Tot Ion:240 Resp: 148960
Ion Ratio Lower Upper
240 100
120 11.5 8.3 12.5
236 25.6 21.2 31.8



#78
Pyrene
Concen: 9.783 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Tgt Ion:202 Resp: 112205
Ion Ratio Lower Upper
202 100
200 19.9 17.8 26.6
203 16.3 14.2 21.4





#79

Terphenyl-d14

Concen: 51.156 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

Instrument :

BNA_F

ClientSampleId :

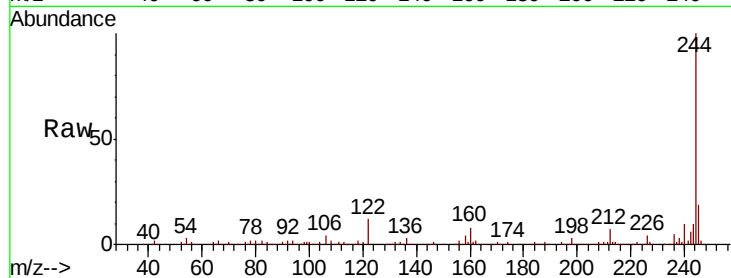
Tot Ion:244 Resp: 406898

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

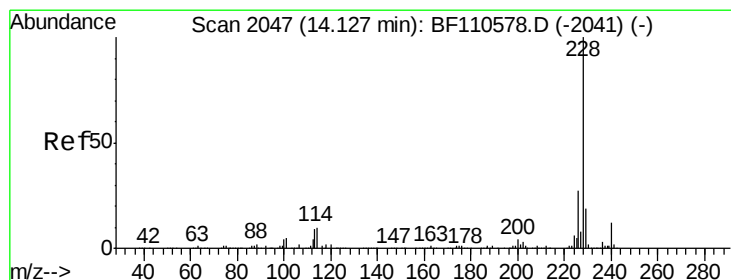
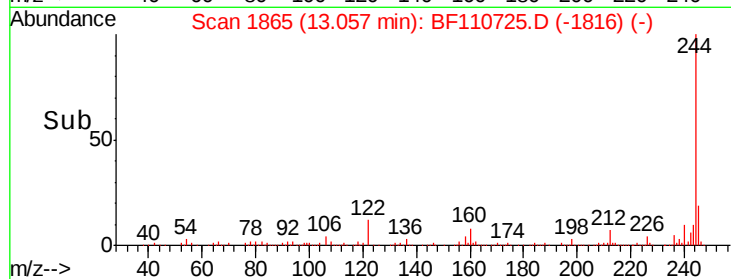
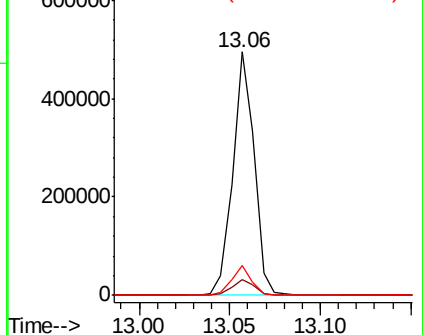
122 12.3 8.7 13.1



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: 6.636 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

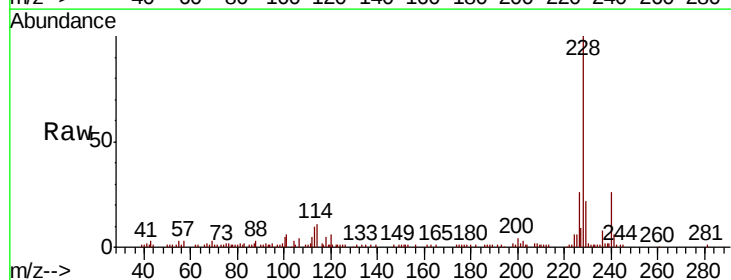
Tgt Ion:228 Resp: 59085

Ion Ratio Lower Upper

228 100

226 26.3 22.1 33.1

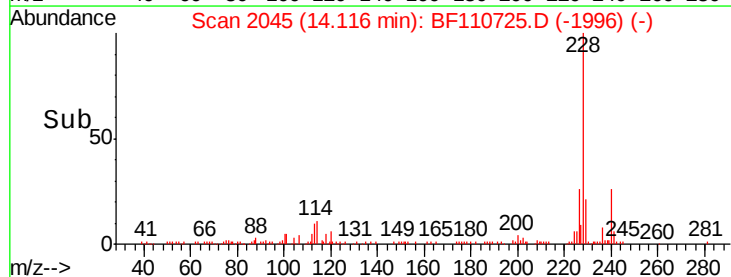
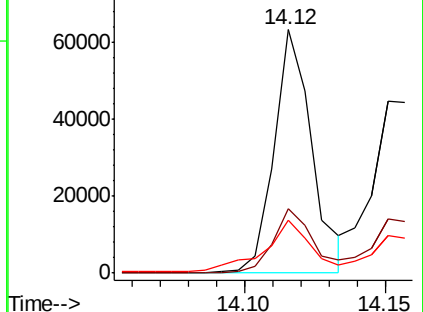
229 22.0 15.6 23.4

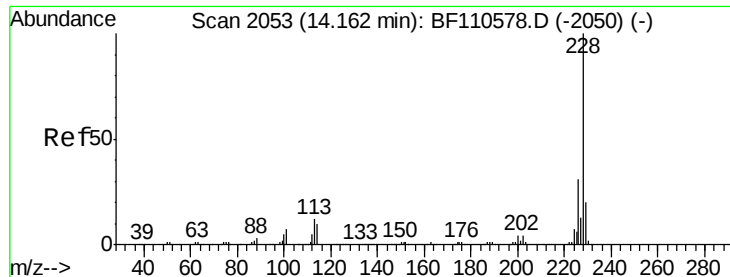


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.946 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

Instrument :

BNA_F

ClientSampleId :

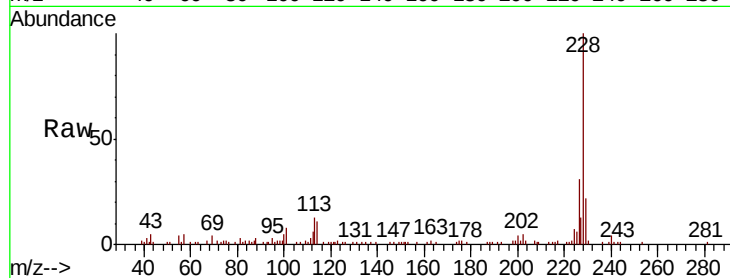
Tot Ion:228 Resp: 50439

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

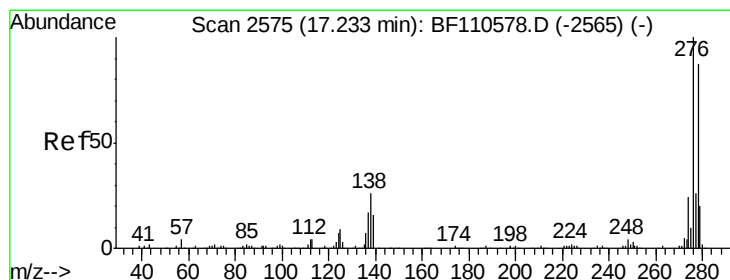
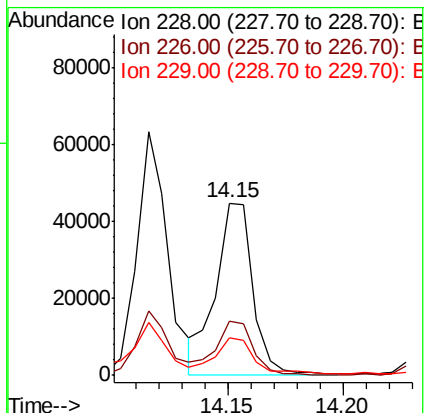
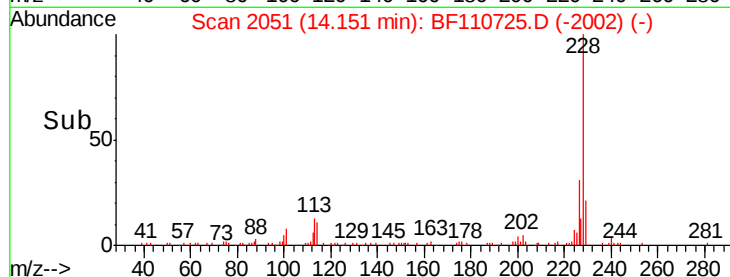
229 22.1 15.9 23.9



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: 4.116 ng

RT: 17.23 min Scan# 2574

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

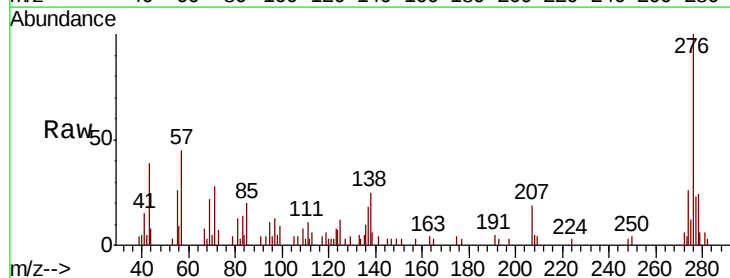
Tgt Ion:276 Resp: 25051

Ion Ratio Lower Upper

276 100

138 24.6 18.5 27.7

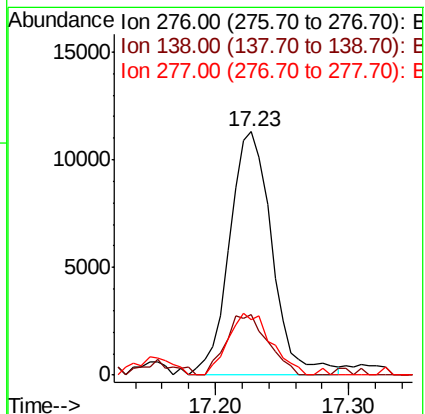
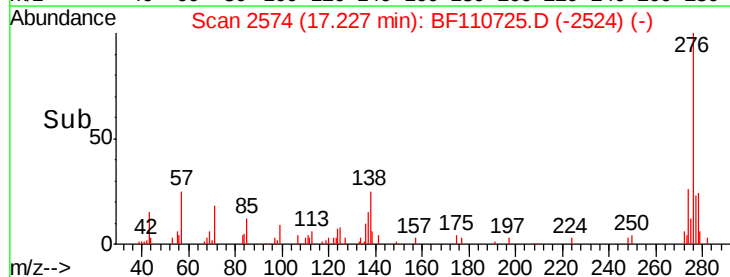
277 25.7 20.0 30.0

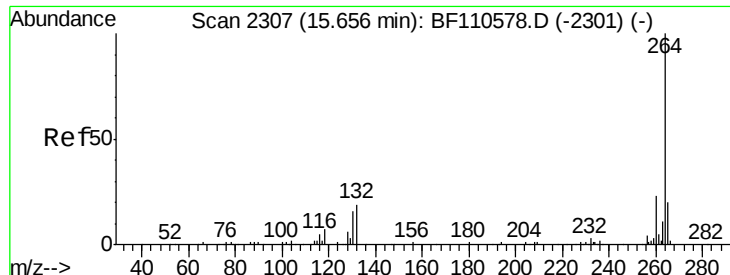


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

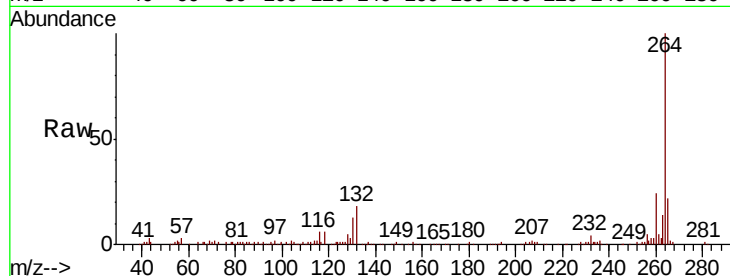




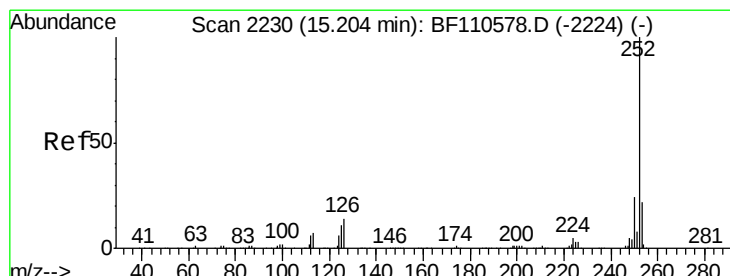
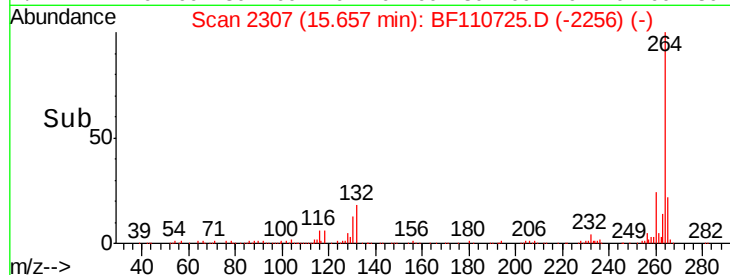
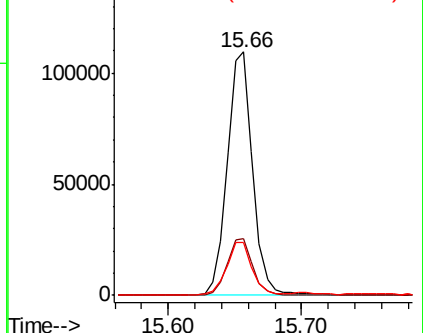
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 146354
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.6 16.7 25.1

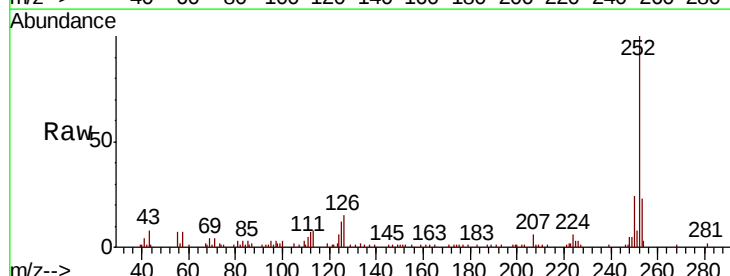


Abundance Ion 264.00 (263.70 to 264.70): E
150000 Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

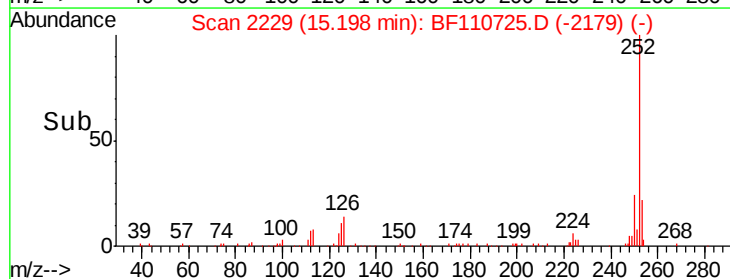
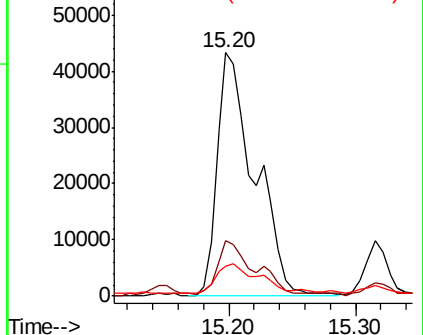


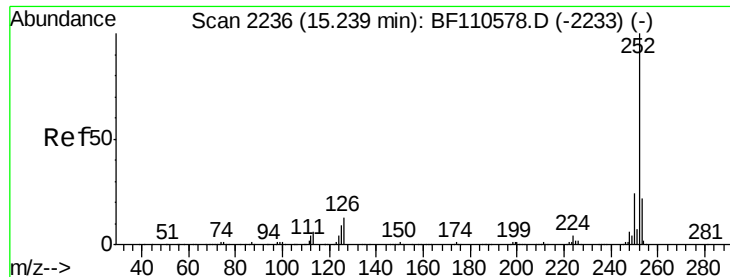
#88
Benzo(b)fluoranthene
Concen: 10.278 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110725.D
Acq: 13 Nov 2018 18:04

Tgt Ion:252 Resp: 89984
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 12.2 8.2 12.4



Abundance Ion 252.00 (251.70 to 252.70): E
60000 Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 10.401 ng

RT: 15.20 min Scan# 2229

Delta R.T. -0.04 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

Instrument :

BNA_F

ClientSampled :

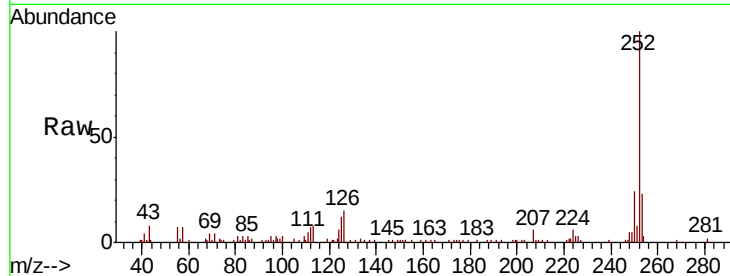
Tot Ion:252 Resp: 89984

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

125 12.2 7.4 11.0#

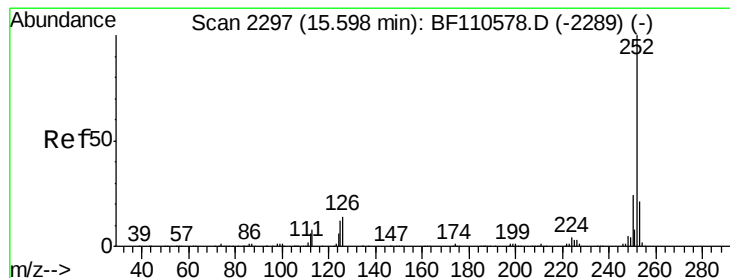
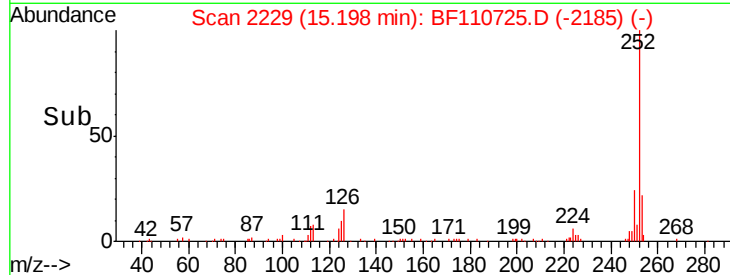
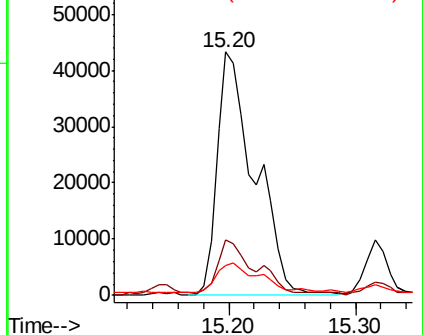


Abundance

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: 6.150 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110725.D

Acq: 13 Nov 2018 18:04

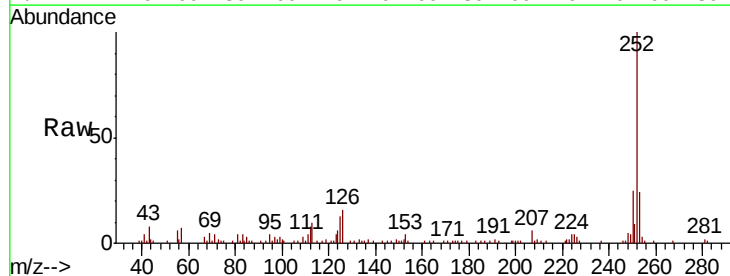
Tgt Ion:252 Resp: 48922

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.4

125 13.2 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

