

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110254.D
 Acq On : 29 Oct 2018 11:31
 Operator : JU/SJ
 Sample : J5624-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 29 12:31:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	108950	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	426187	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	179944	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	278763	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	214428	20.00	ng	-0.01
87) Perylene-d12	15.69	264	185124	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	642391	96.02	ng	0.00
7) Phenol-d6	6.59	99	797767	93.22	ng	-0.01
23) Nitrobenzene-d5	7.53	82	504300	70.18	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	154540	86.70	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	865845	75.56	ng	-0.01
79) Terphenyl-d14	13.09	244	594188	57.63	ng	-0.02

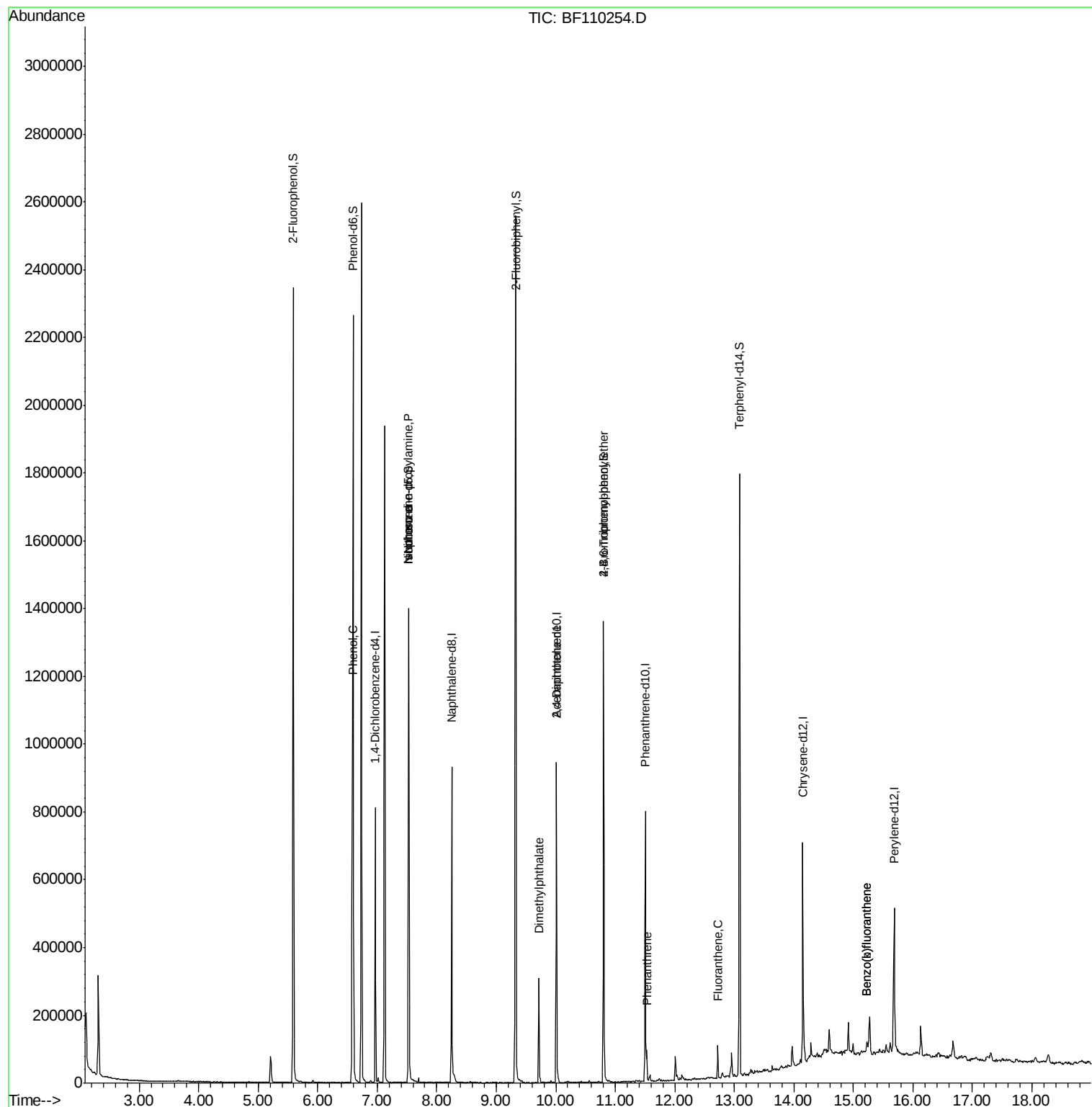
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	2078	Below Cal		# 1
10) Phenol	6.60	94	116512	12.737	ng	# 61
19) n-Nitroso-di-n-propylamine	7.53	70	66623	12.135	ng	# 78
25) Isophorone	7.53	82	504296	41.173	ng	# 67
50) Dimethylphthalate	9.72	163	130227	9.804	ng	# 99
57) 2,4-Dinitrotoluene	10.01	165	23134	6.366	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	10505	3.474	ng	# 1
71) Phenanthrene	11.53	178	29438	2.018	ng	# 99
75) Fluoranthene	12.72	202	35060	2.368	ng	# 97
88) Benzo(b)fluoranthene	15.23	252	23050	2.156	ng	# 91
89) Benzo(k)fluoranthene	15.23	252	23050	2.193	ng	# 90

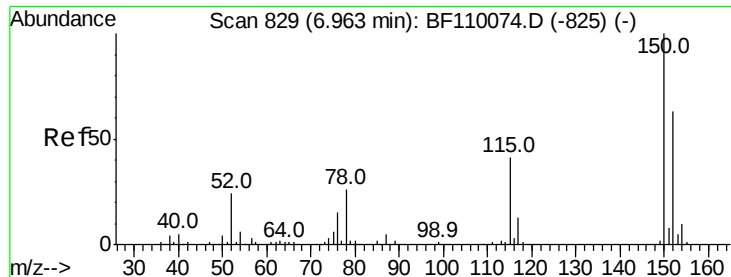
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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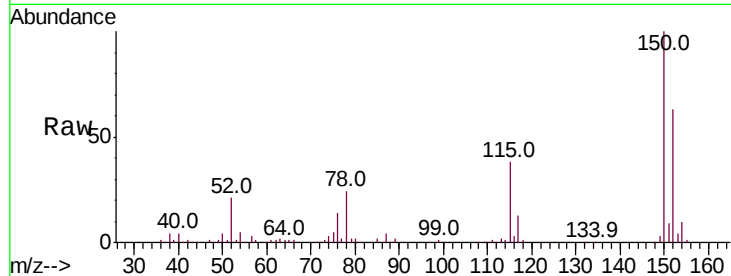


#1

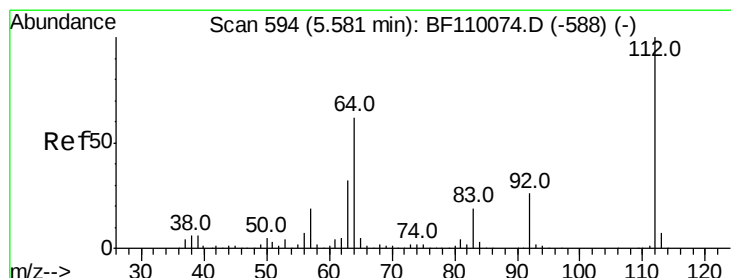
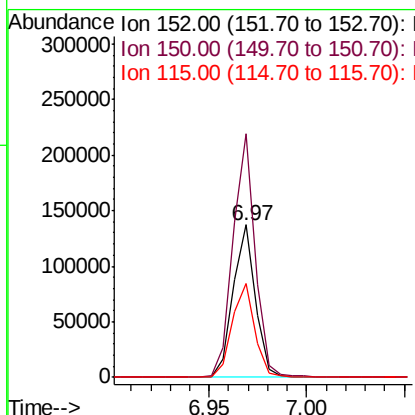
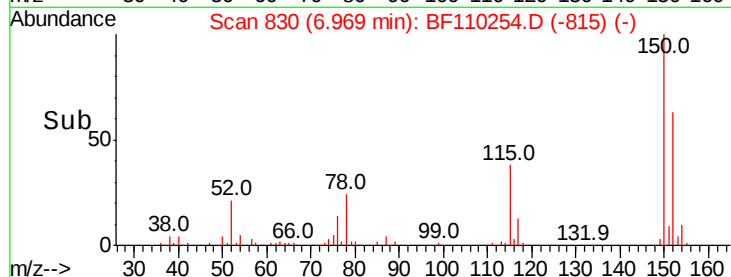
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.7	184.1
115	61.4	49.1	73.7



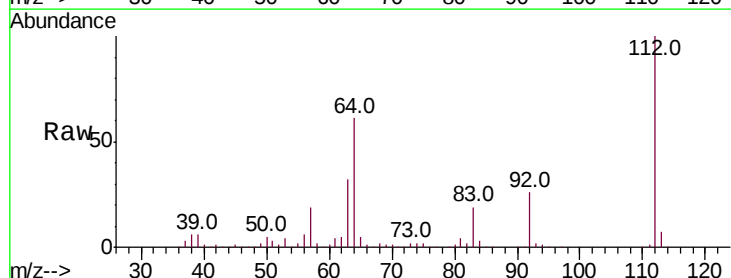
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



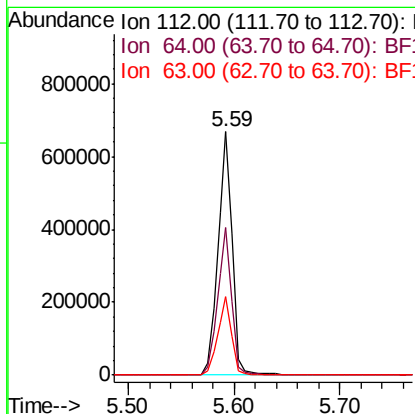
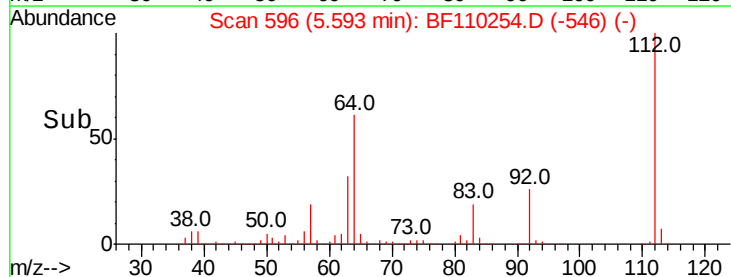
#5

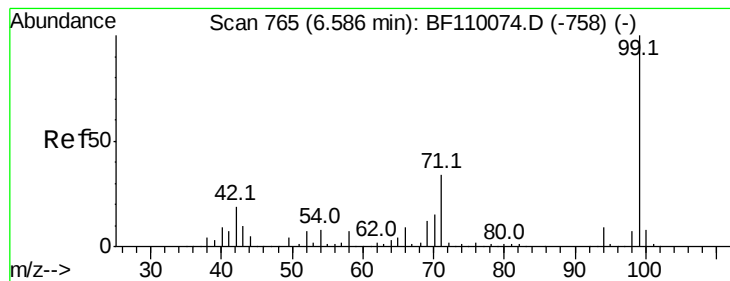
2-Fluorophenol
Concen: 96.017 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	44.1	66.1
63	32.0	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.224 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110254.D

Acq: 29 Oct 2018 11:31

Instrument :

BNA_F

ClientSampleId :

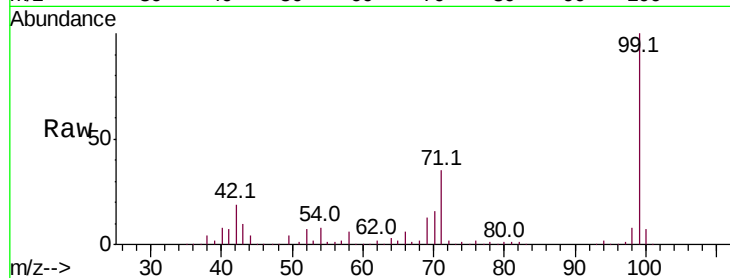
Tot Ion: 99 Resp: 797767

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.8	23.6
71	35.5	28.0	42.0

99 100

42 19.0 15.8 23.6

71 35.5 28.0 42.0

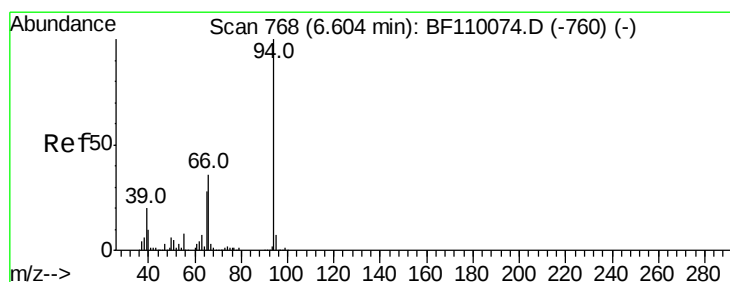
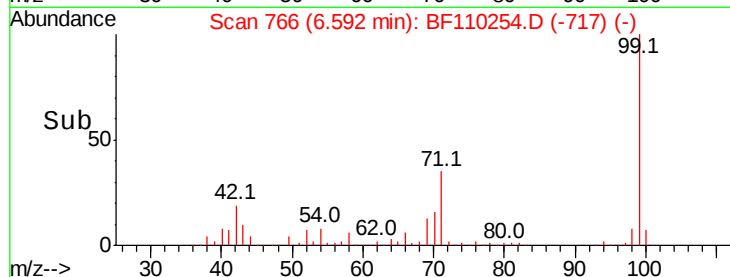
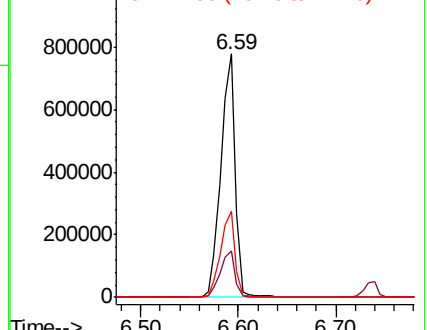


Abundance

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: 12.737 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF110254.D

Acq: 29 Oct 2018 11:31

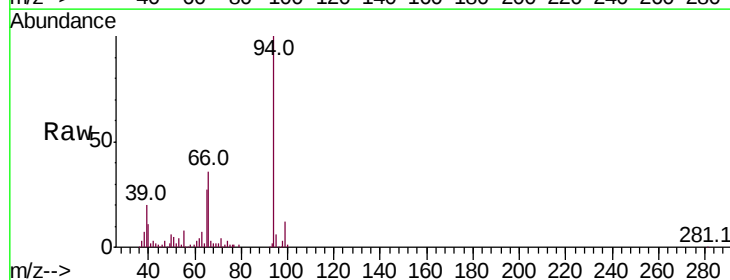
Tgt Ion: 94 Resp: 116512

Ion	Ratio	Lower	Upper
94	100		
65	26.8	25.3	65.3
66	36.1	54.5	94.5#

94 100

65 26.8 25.3 65.3

66 36.1 54.5 94.5#

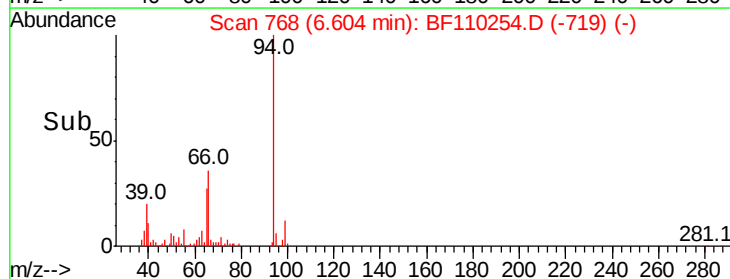
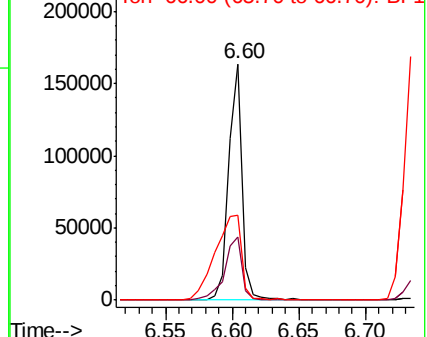


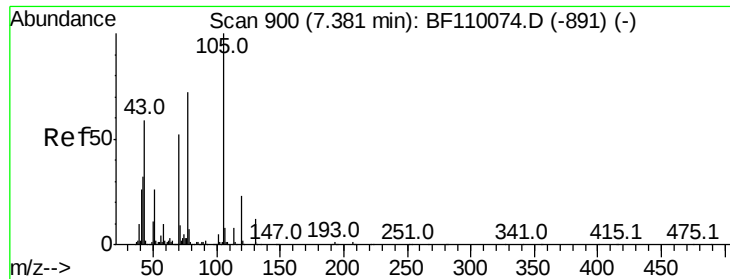
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

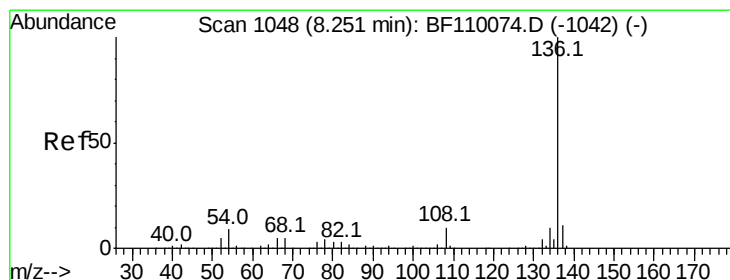
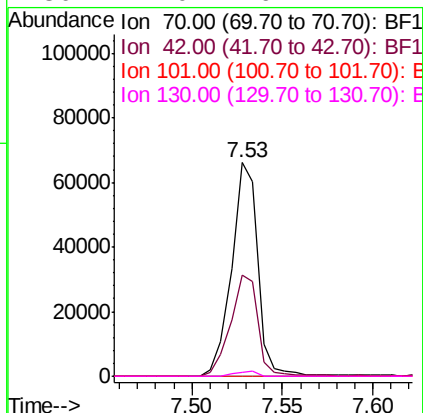
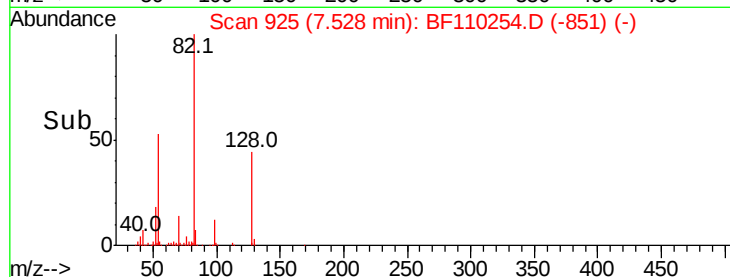
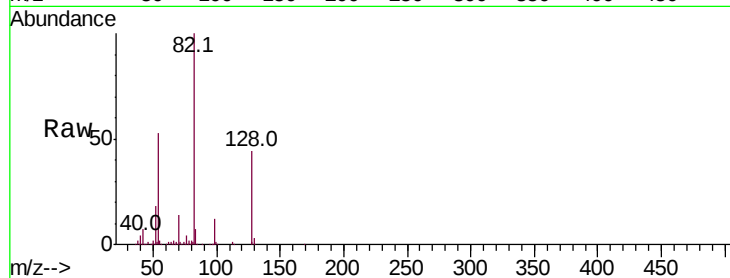




#19
n-Nitroso-di-n-propylamine
Concen: 12.135 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

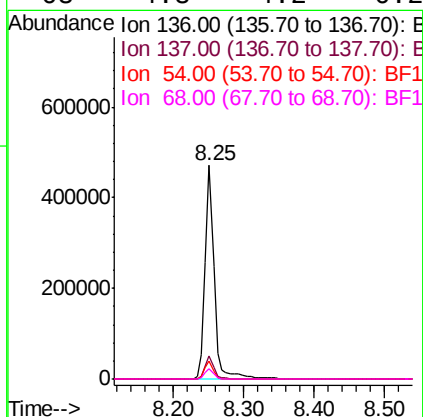
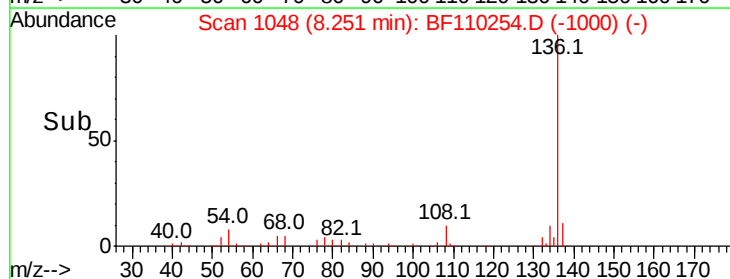
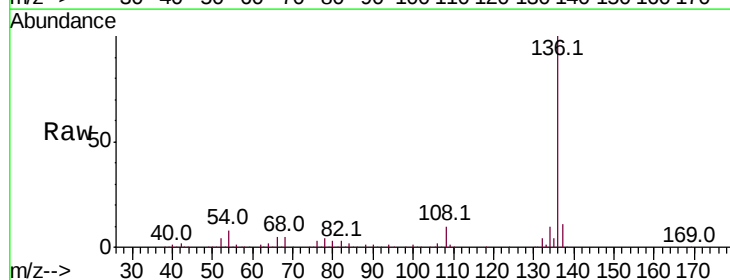
Instrument :
BNA_F
ClientSampleId :

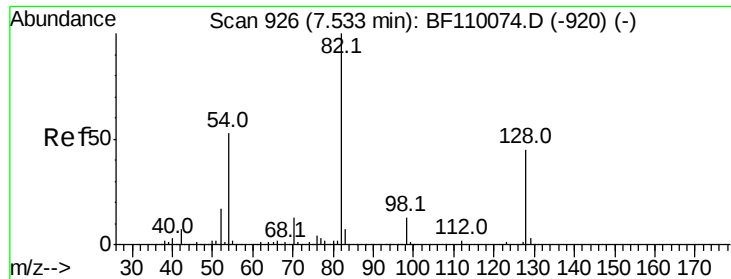
Tot Ion: 70 Resp: 66623
Ion Ratio Lower Upper
70 100
42 47.2 47.4 71.2#
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Tgt Ion: 136 Resp: 426187
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 5.4 8.2#
68 4.8 4.2 6.2

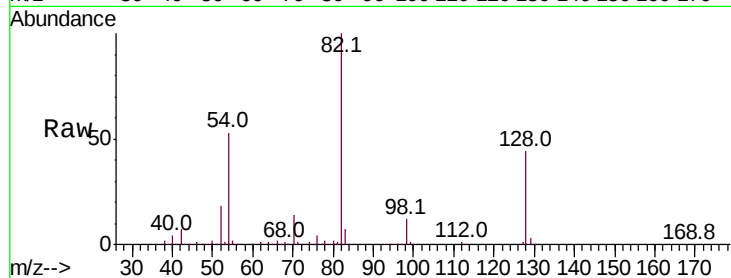




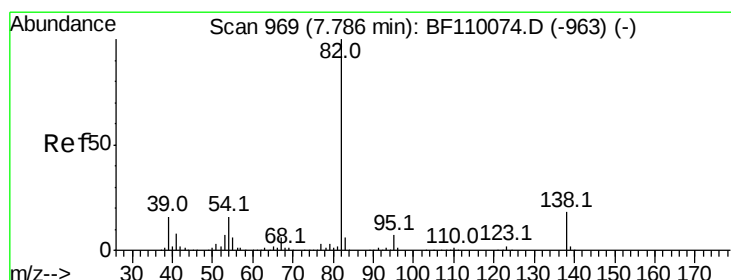
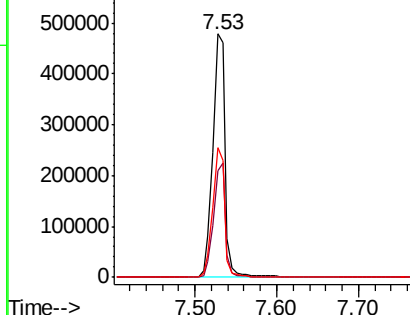
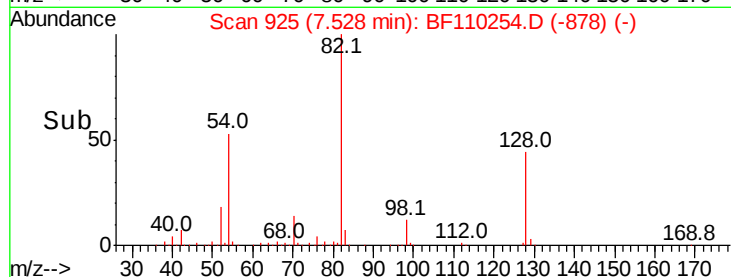
#23
Nitrobenzene-d5
Concen: 70.184 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 504300
Ion Ratio Lower Upper
82 100
128 43.8 34.2 51.2
54 53.1 38.6 58.0

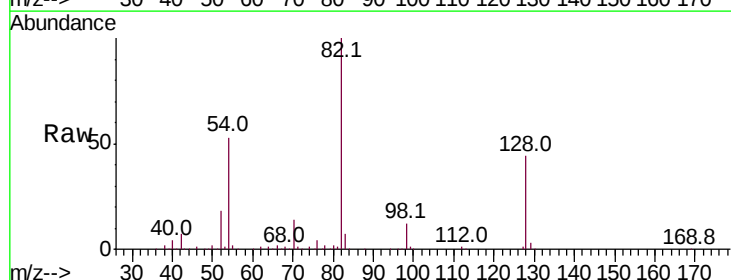


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

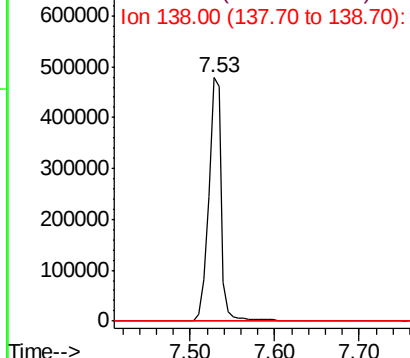
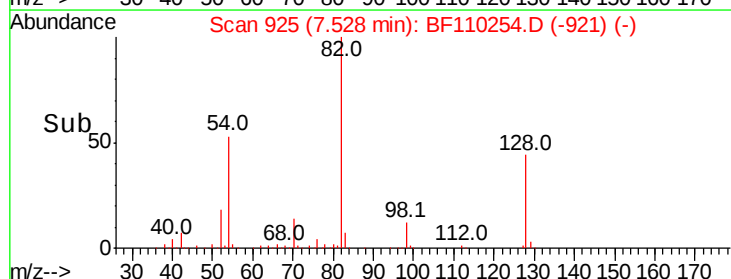


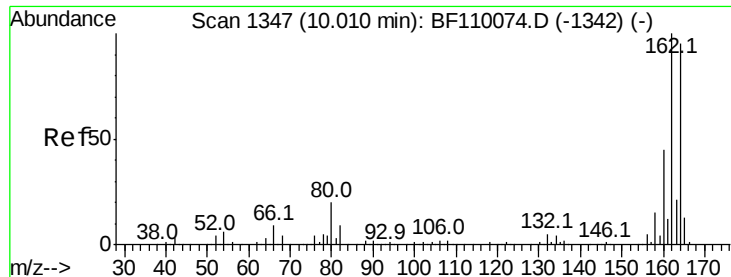
#25
Isophorone
Concen: 41.173 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Tgt Ion: 82 Resp: 504296
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: 10.01 min Scan# 1347

Delta R.T. -0.02 min

Lab File: BF110254.D

Acq: 29 Oct 2018 11:31

Instrument :

BNA_F

ClientSampleId :

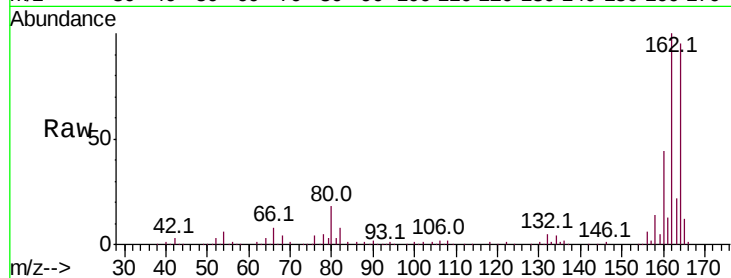
Tot Ion:164 Resp: 179944

Ion Ratio Lower Upper

164 100

162 105.4 83.0 124.6

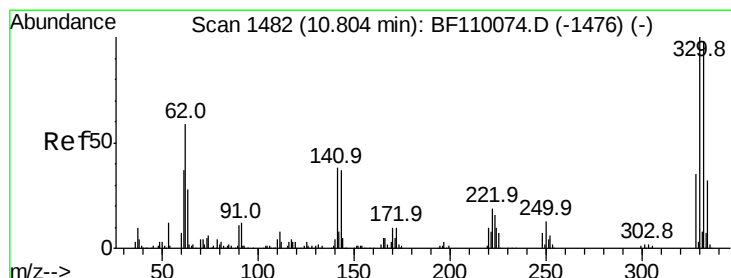
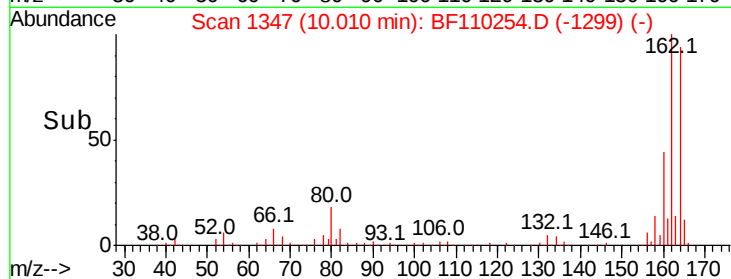
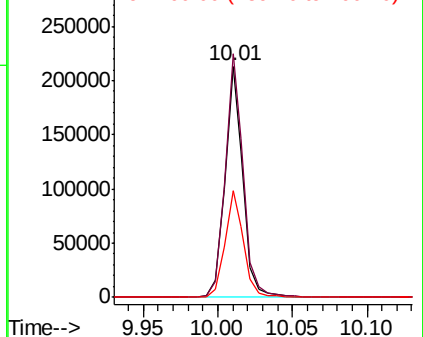
160 45.9 37.0 55.6



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: 86.700 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110254.D

Acq: 29 Oct 2018 11:31

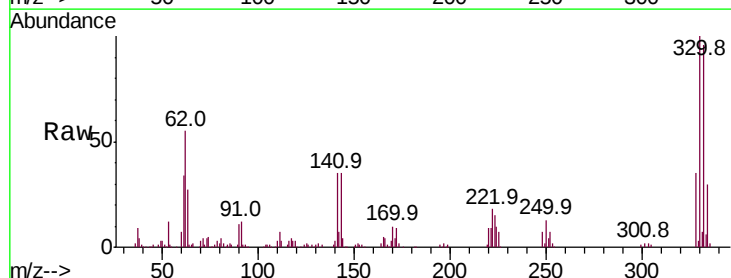
Tgt Ion:330 Resp: 154540

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

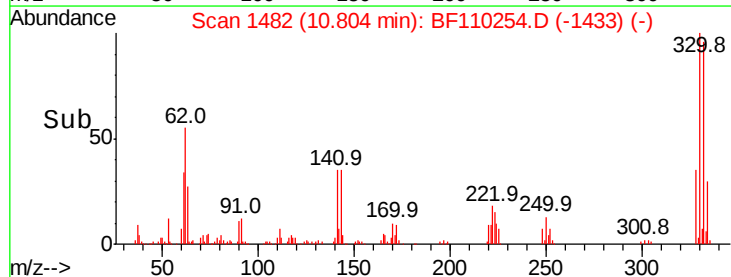
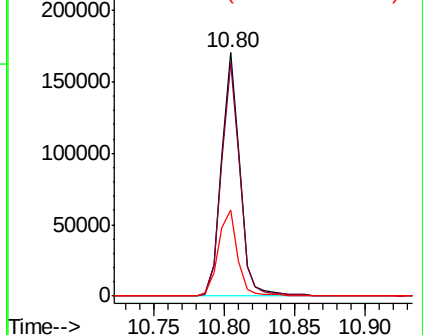
141 37.3 27.0 40.4

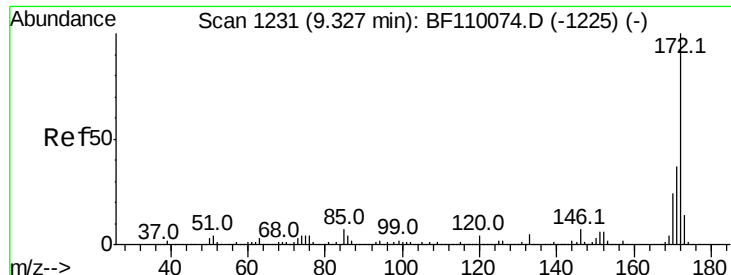


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

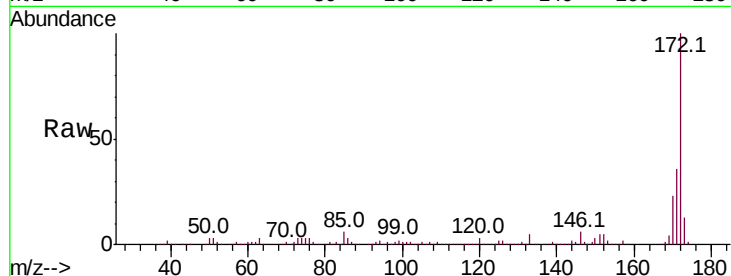




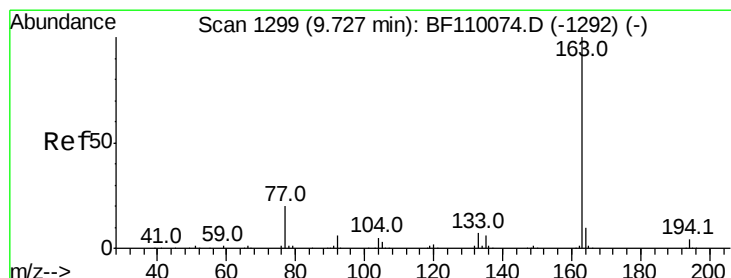
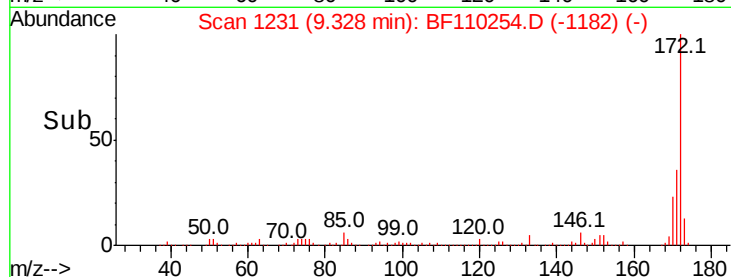
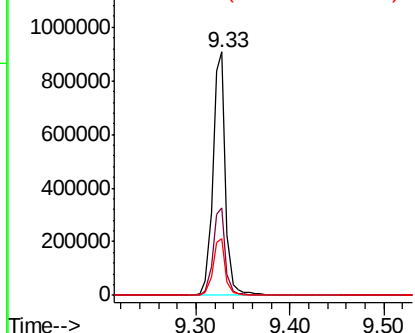
#45
2-Fluorobiphenyl
Concen: 75.557 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 865845
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 23.4 19.7 29.5

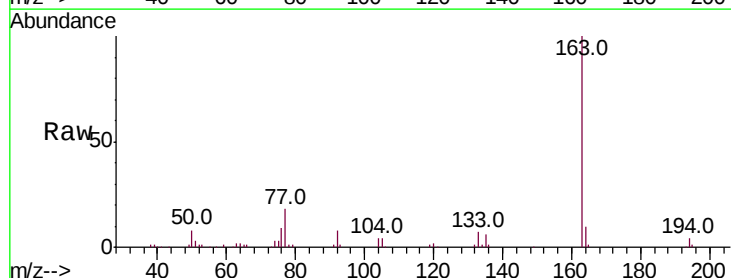


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

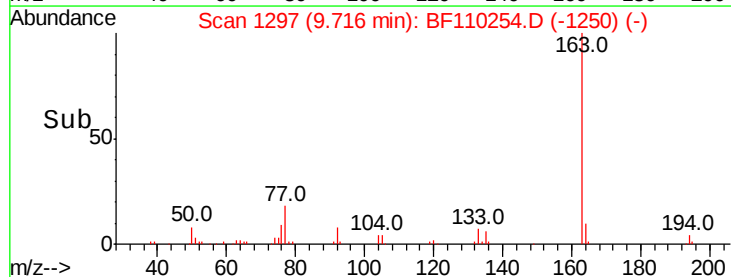
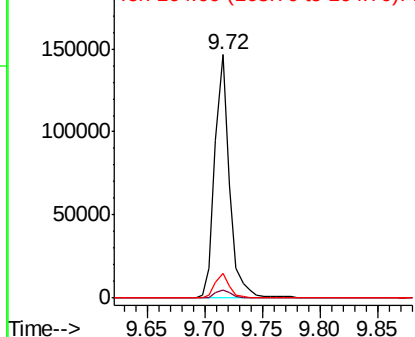


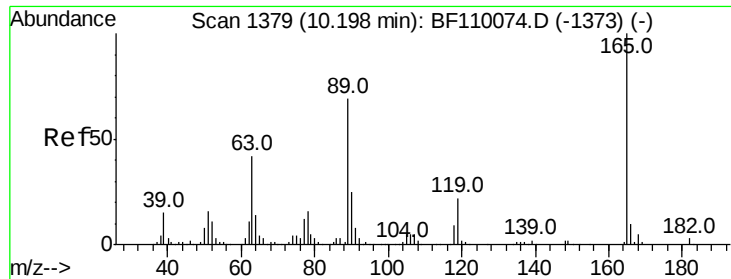
#50
Dimethylphthalate
Concen: 9.804 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Tgt Ion:163 Resp: 130227
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.3 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

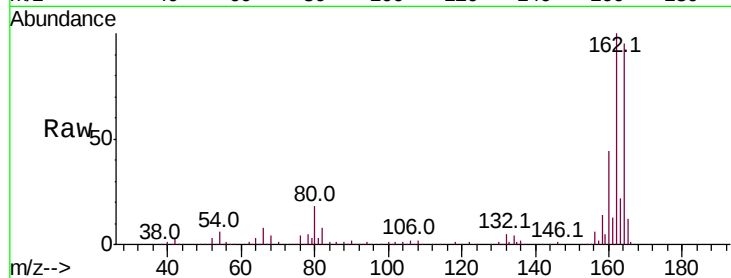




#57
 2,4-Dinitrotoluene
 Concen: 6.366 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.20 min
 Lab File: BF110254.D
 Acq: 29 Oct 2018 11:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#

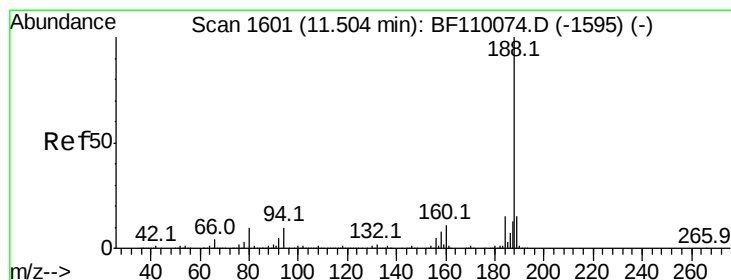
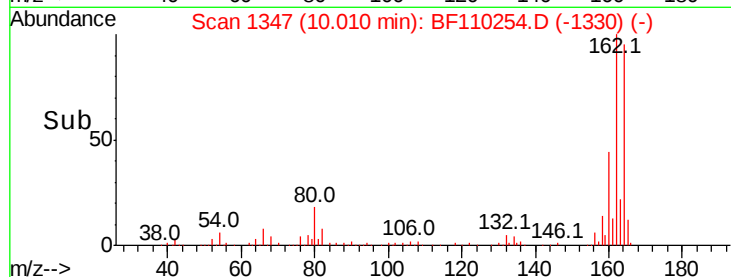
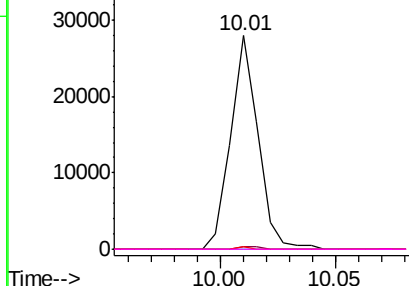


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

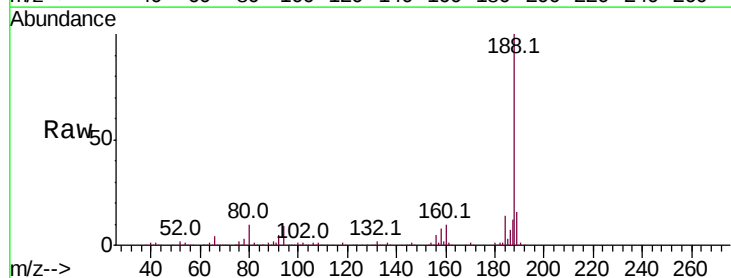
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110254.D
 Acq: 29 Oct 2018 11:31

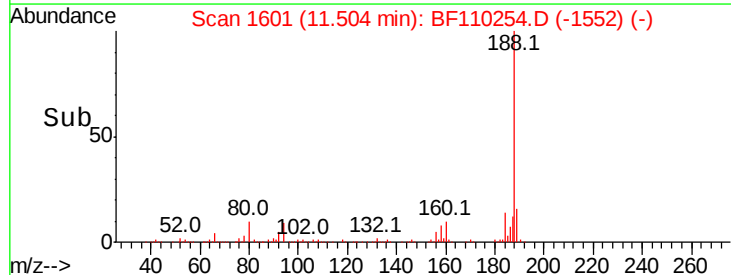
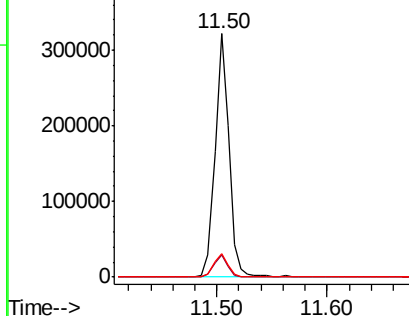
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.7	7.9	11.9

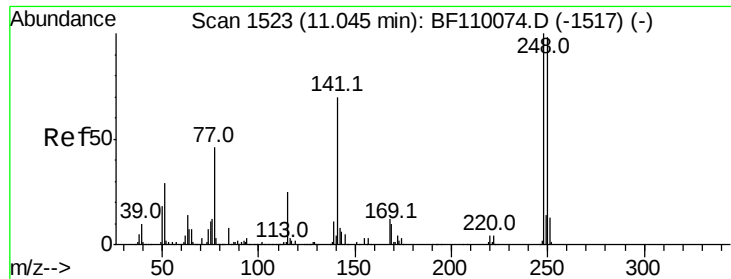


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

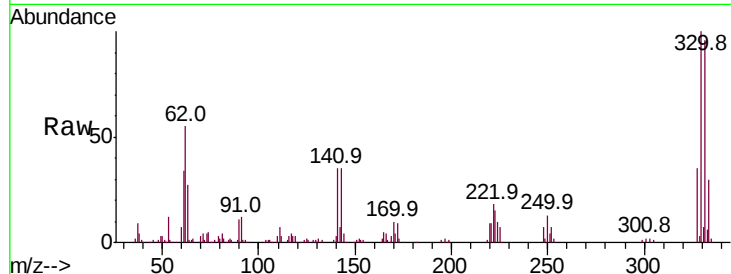




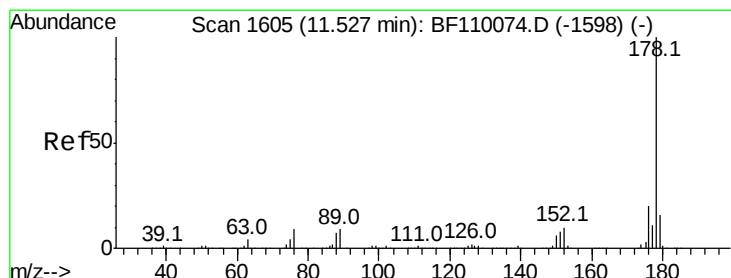
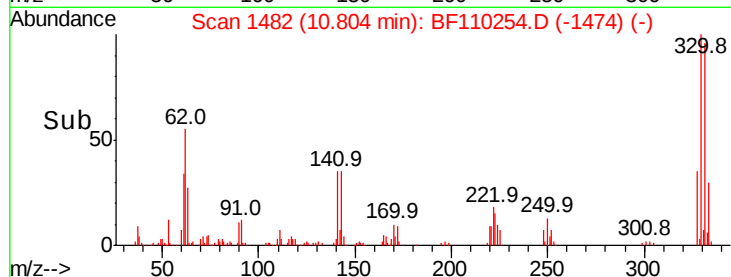
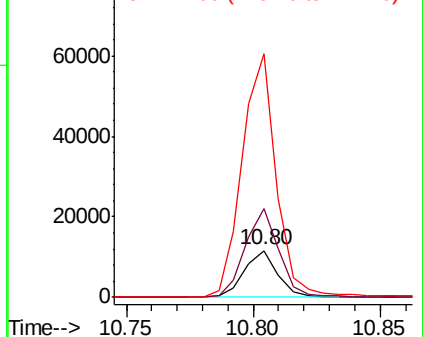
#67
4-Bromophenyl-phenylether
Concen: 3.474 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10505
Ion Ratio Lower Upper
248 100
250 189.4 79.4 119.2#
141 518.1 55.9 83.9#

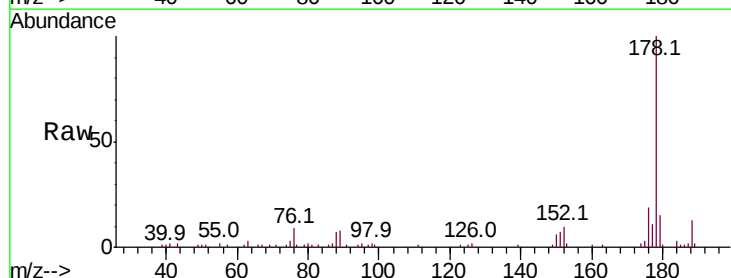


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

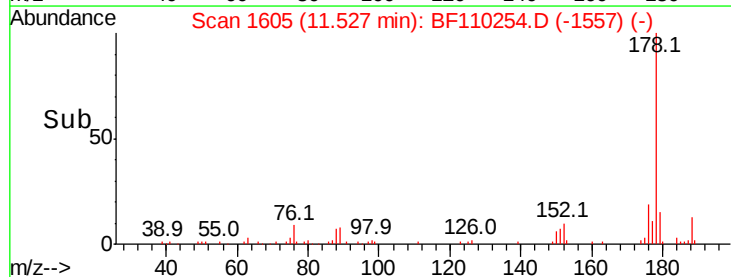
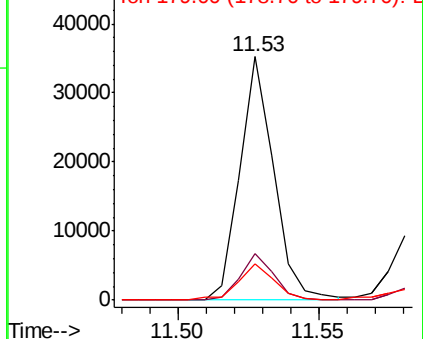


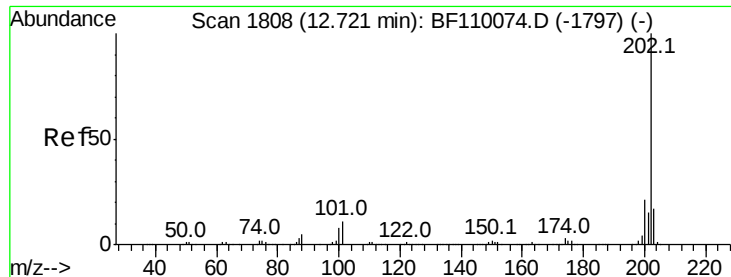
#71
Phenanthrene
Concen: 2.018 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Tgt Ion:178 Resp: 29438
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.7 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





#75

Fluoranthene

Concen: 2.368 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110254.D

Acq: 29 Oct 2018 11:31

Instrument :

BNA_F

ClientSampled :

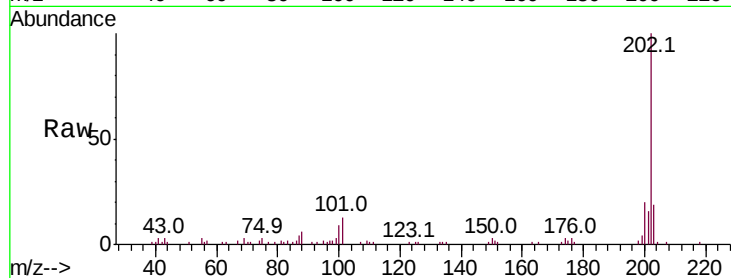
Tot Ion:202 Resp: 35060

Ion Ratio Lower Upper

202 100

101 12.6 0.0 31.4

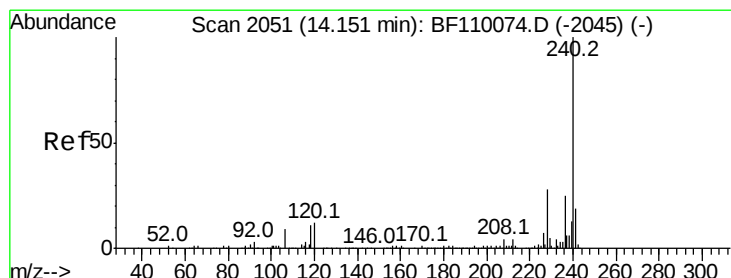
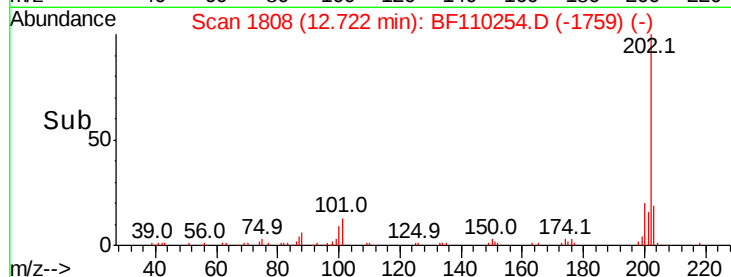
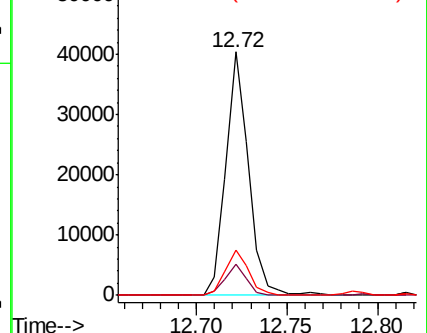
203 18.8 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110254.D

Acq: 29 Oct 2018 11:31

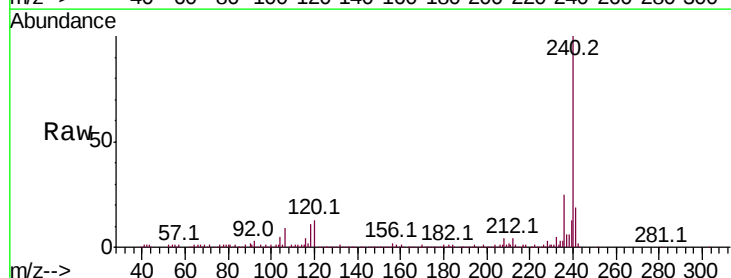
Tgt Ion:240 Resp: 214428

Ion Ratio Lower Upper

240 100

120 13.0 8.3 12.5#

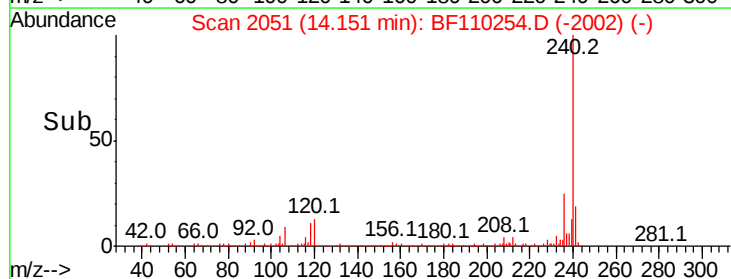
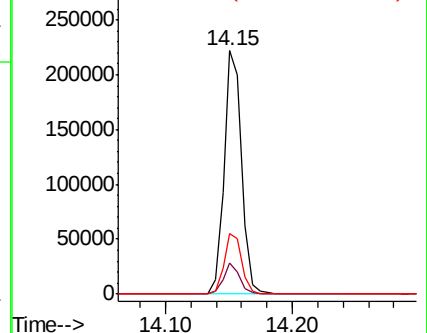
236 25.1 21.2 31.8

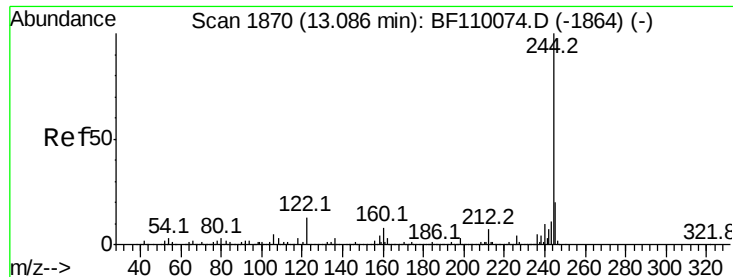


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

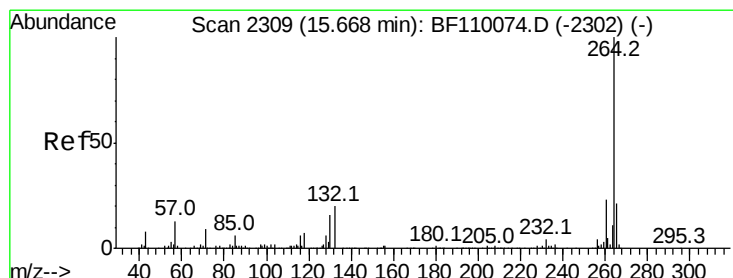
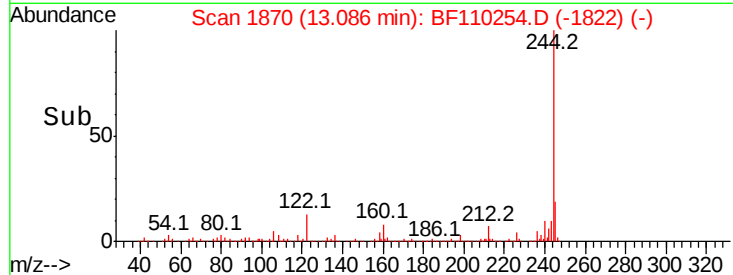
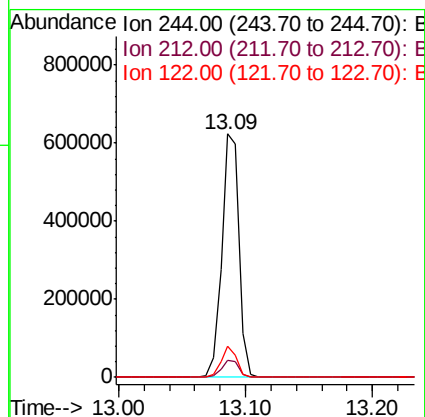
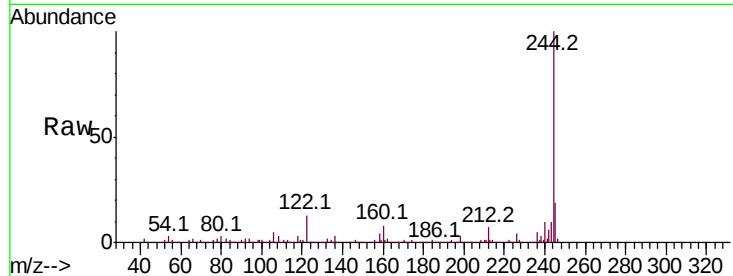




#79
 Terphenyl-d14
 Concen: 57.630 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110254.D
 Acq: 29 Oct 2018 11:31

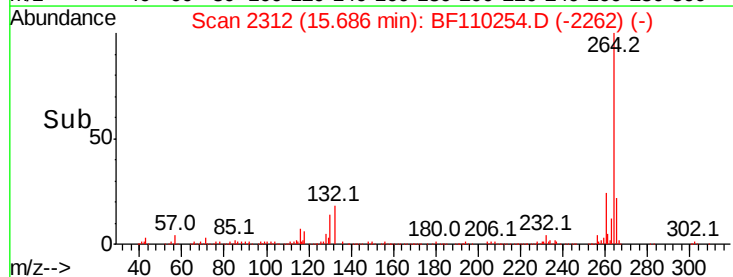
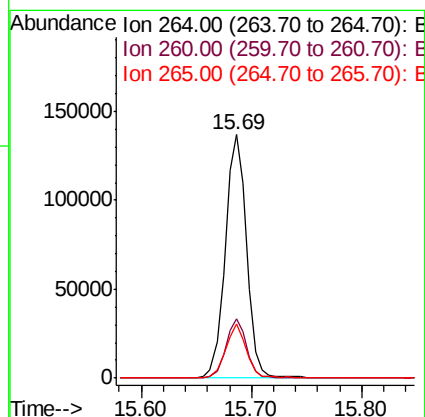
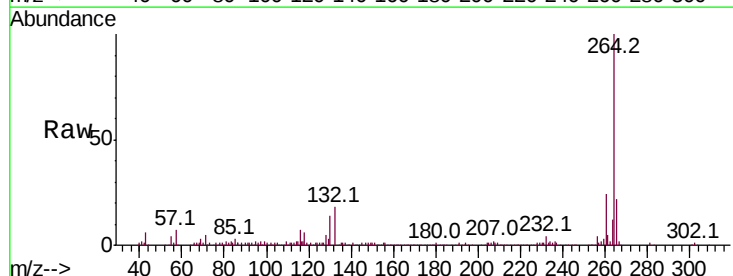
Instrument :
 BNA_F
 ClientSampleId :

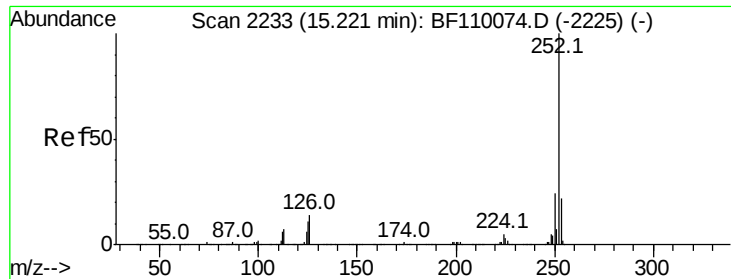
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.9	8.7	13.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF110254.D
 Acq: 29 Oct 2018 11:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.3	16.7	25.1

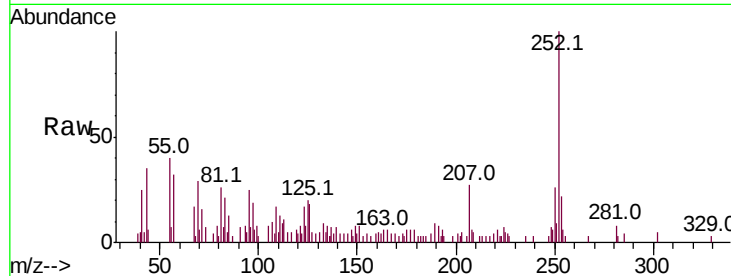




#88
Benzo(b)fluoranthene
Concen: 2.156 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	20.4	8.2	12.4

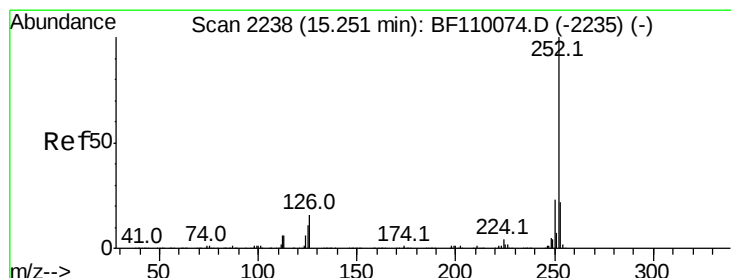
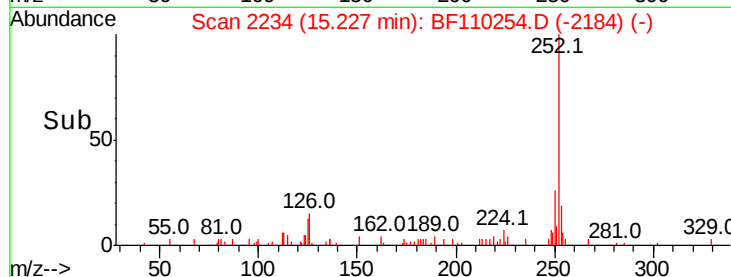
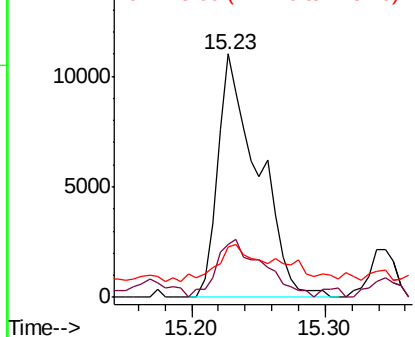


Abundance

Ion 252.00 (251.70 to 252.70): E

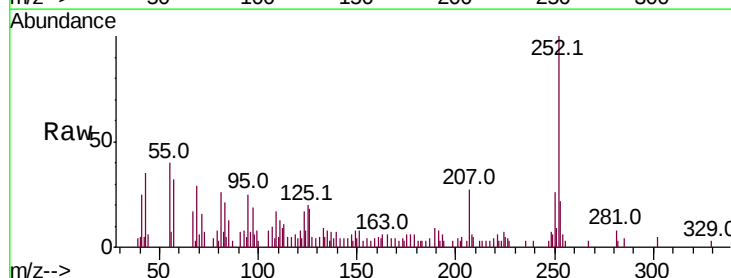
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.193 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF110254.D
Acq: 29 Oct 2018 11:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	20.4	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

