

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110118\
 Data File : BF110379.D
 Acq On : 1 Nov 2018 20:34
 Operator : JU/SJ
 Sample : J5755-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 02 04:12:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

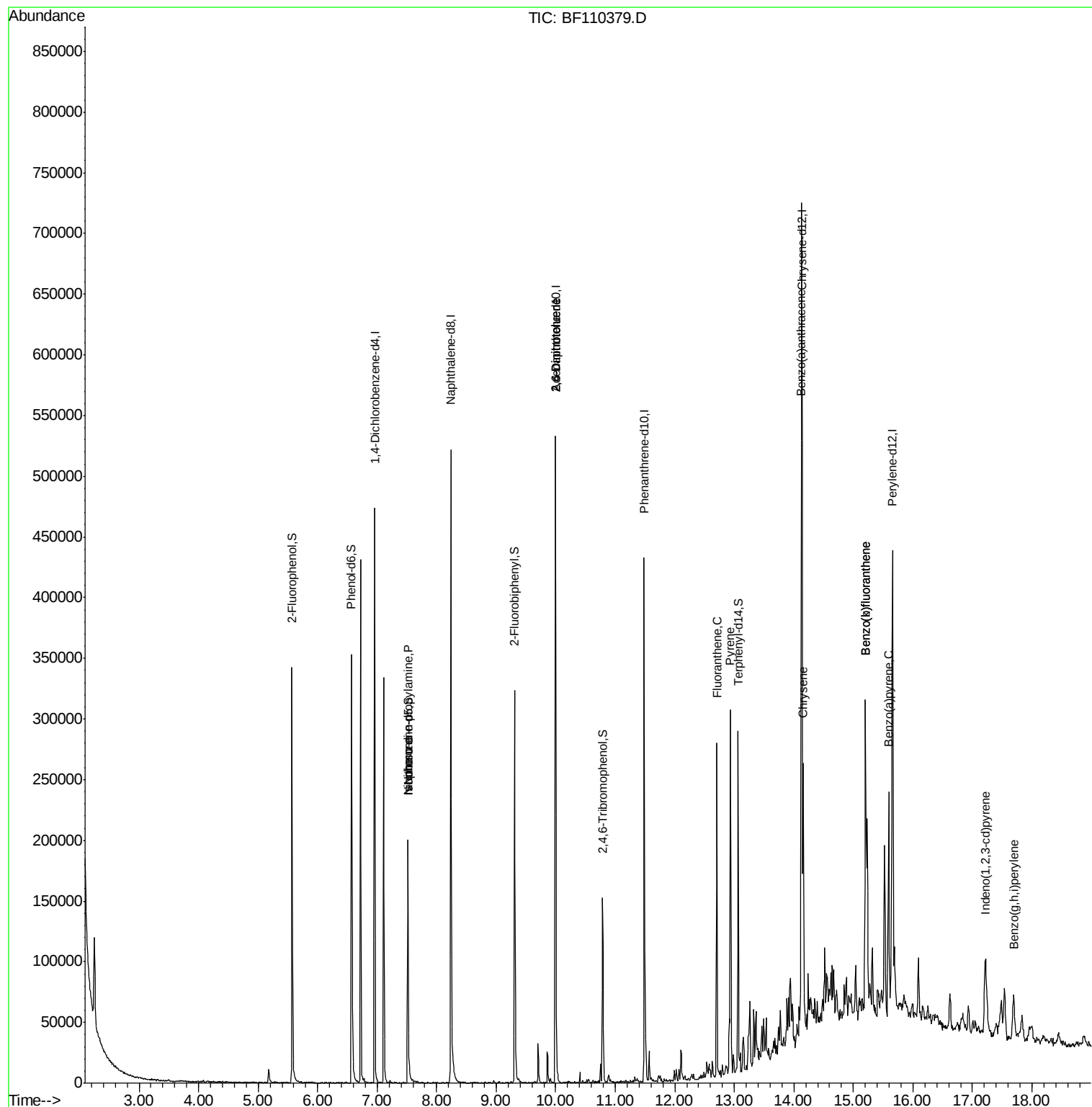
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	74437	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	280281	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	106376	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	169738	20.00	ng	0.00
76) Chrysene-d12	14.13	240	178967	20.00	ng	0.00
87) Perylene-d12	15.66	264	172685	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	104652	22.89	ng	0.00
7) Phenol-d6	6.57	99	125401	21.45	ng	-0.01
23) Nitrobenzene-d5	7.52	82	73182	15.49	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	19429	18.44	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	117223	17.30	ng	0.00
79) Terphenyl-d14	13.06	244	90525	10.52	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.72	77	2397	Below Cal		81
19) n-Nitroso-di-n-propylamine	7.52	70	9824	2.619 ng	#	80
25) Isophorone	7.52	82	73181	9.085 ng	#	67
51) 2,6-Dinitrotoluene	10.00	165	13814	8.167 ng	#	22
57) 2,4-Dinitrotoluene	10.00	165	13814	6.430 ng	#	18
75) Fluoranthene	12.70	202	102987	11.426 ng		99
77) Benzidine	13.06	184	1245	Below Cal	#	65
78) Pyrene	12.93	202	121591	9.477 ng		99
81) Benzo(a)anthracene	14.12	228	92343	8.701 ng		97
83) Chrysene	14.16	228	85758	8.507 ng		97
86) Indeno(1,2,3-cd)pyrene	17.22	276	40022	4.786 ng		98
88) Benzo(b)fluoranthene	15.20	252	186864	18.739 ng		98
89) Benzo(k)fluoranthene	15.20	252	186864	19.061 ng	#	98
90) Benzo(a)pyrene	15.59	252	86150	9.389 ng		97
92) Benzo(a,h,i)perylene	17.69	276	31616	4.052 ng	#	93

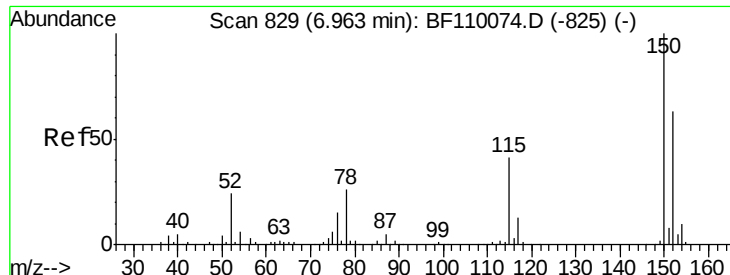
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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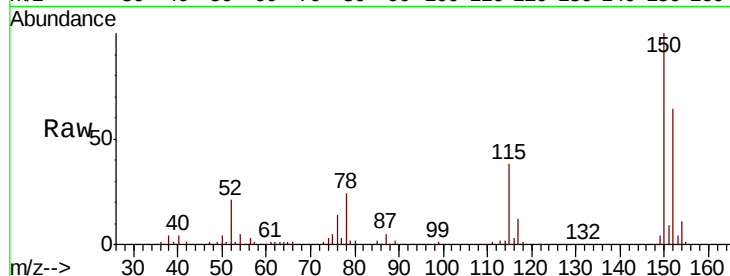


#1

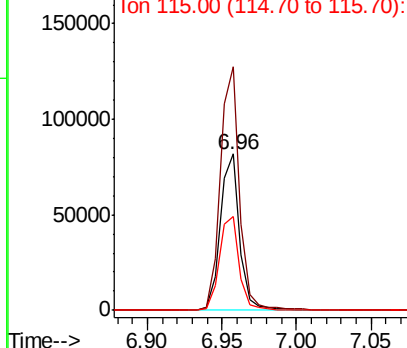
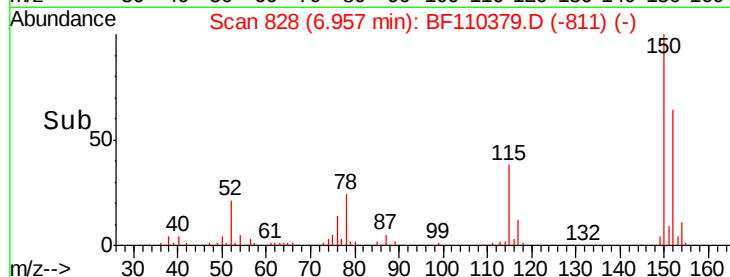
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74437
Ion Ratio Lower Upper
152 100
150 155.8 122.7 184.1
115 59.7 49.1 73.7



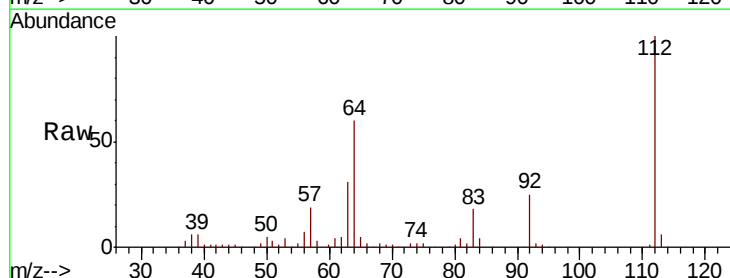
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



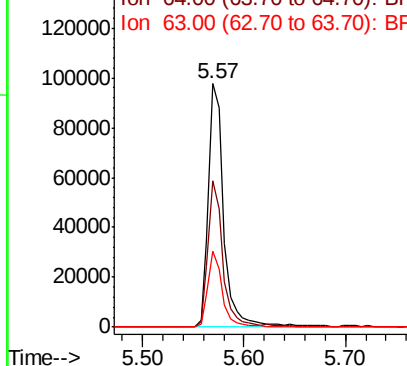
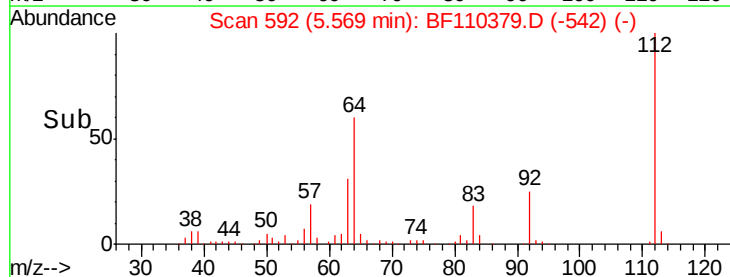
#5

2-Fluorophenol
Concen: 22.895 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Tgt Ion:112 Resp: 104652
Ion Ratio Lower Upper
112 100
64 60.2 44.1 66.1
63 31.4 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: 21.448 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

Instrument :

BNA_F

ClientSampleId :

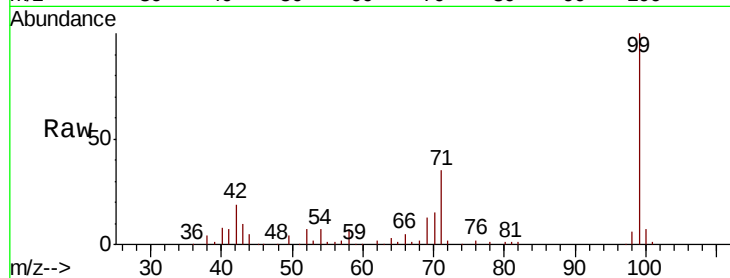
Tot Ion: 99 Resp: 125401

Ion Ratio Lower Upper

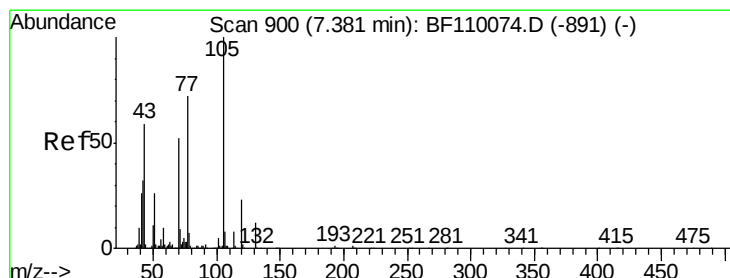
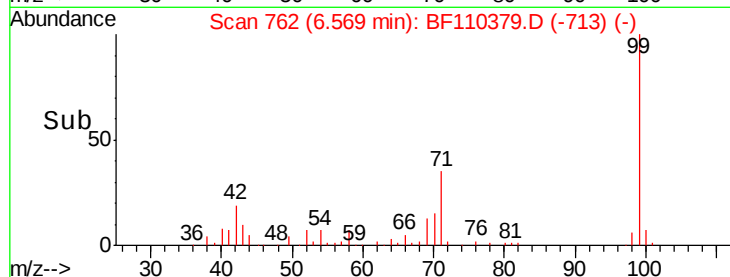
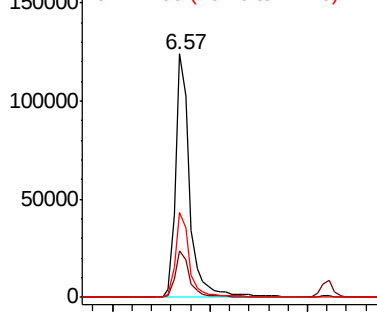
99 100

42 19.0 15.8 23.6

71 34.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.619 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.15 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

Tgt Ion: 70 Resp: 9824

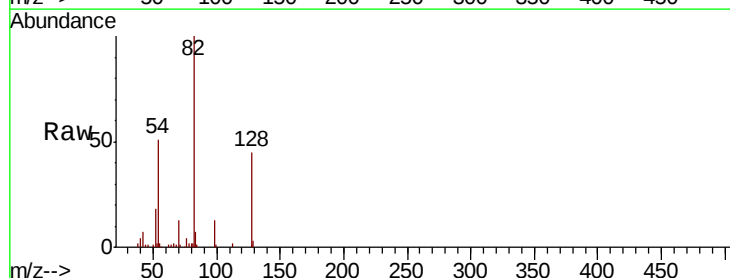
Ion Ratio Lower Upper

70 100

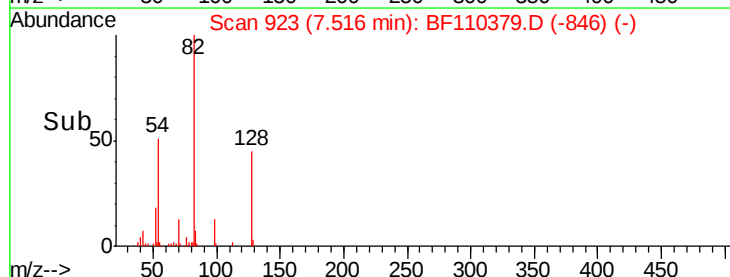
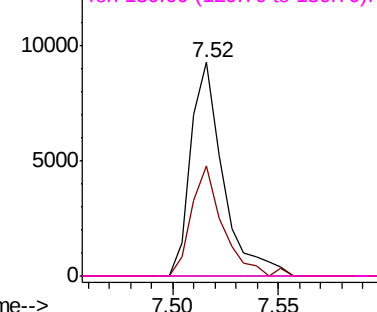
42 51.5 47.4 71.2

101 0.0 7.3 10.9#

130 0.0 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

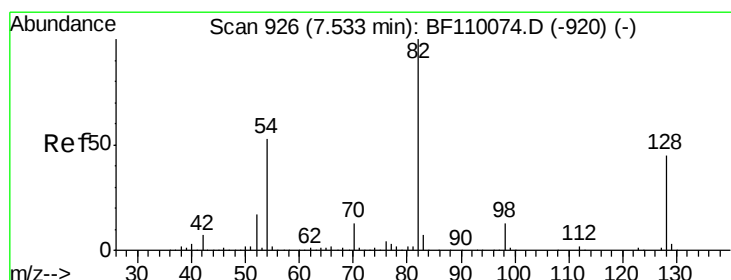
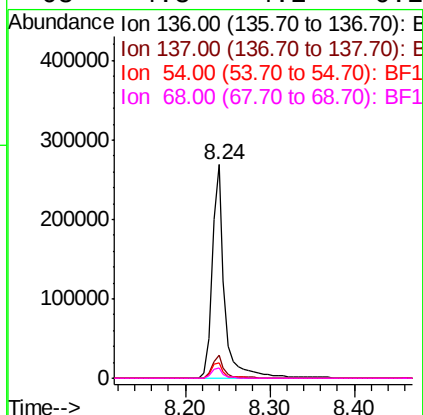
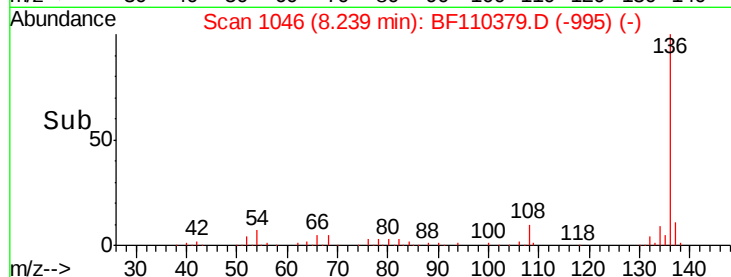
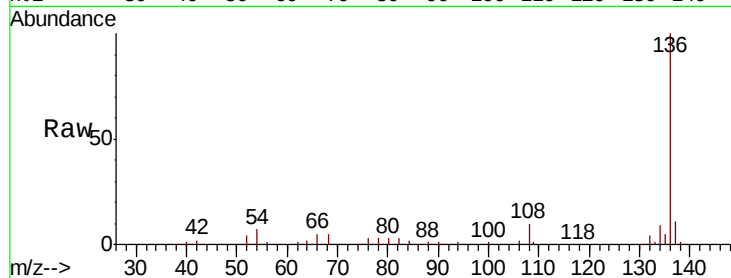




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

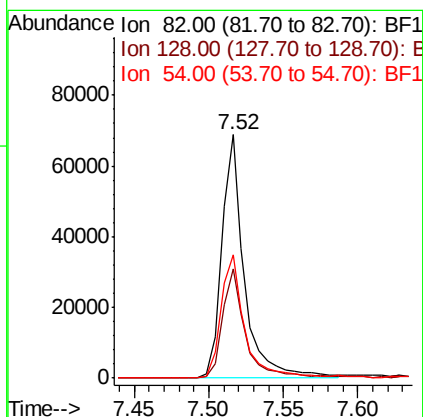
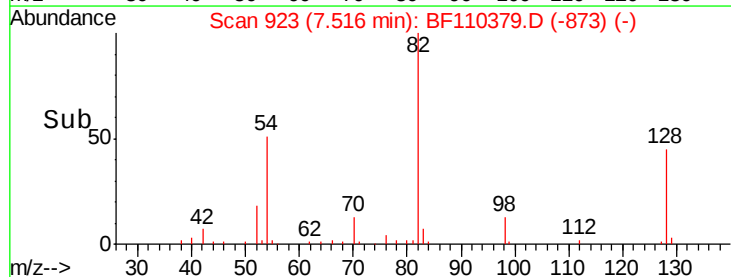
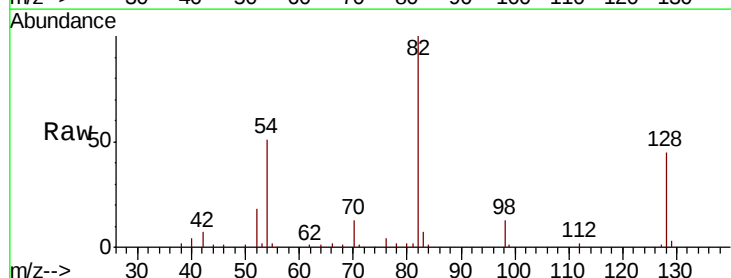
Instrument :
BNA_F
ClientSampleId :

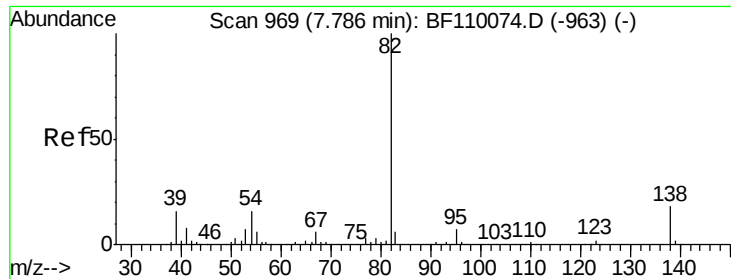
Tot Ion:136	Resp:	280281
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	7.4	5.4 8.2
68	4.8	4.2 6.2



#23
Nitrobenzene-d5
Concen: 15.487 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Tgt Ion: 82	Resp:	73182
Ion Ratio	Lower	Upper
82	100	
128	44.7	34.2 51.2
54	50.8	38.6 58.0





#25

Isophorone

Concen: 9.085 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

Instrument :

BNA_F

ClientSampled :

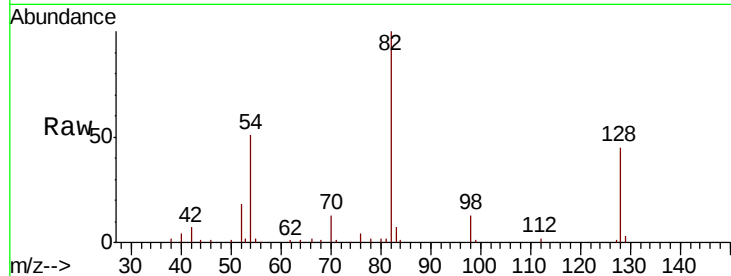
Tot Ion: 82 Resp: 73181

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

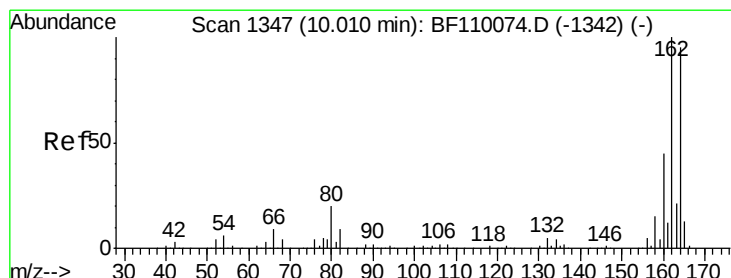
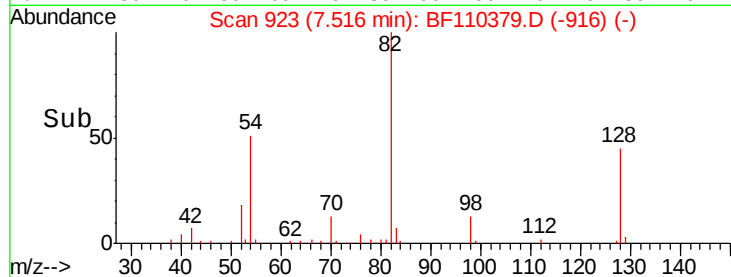
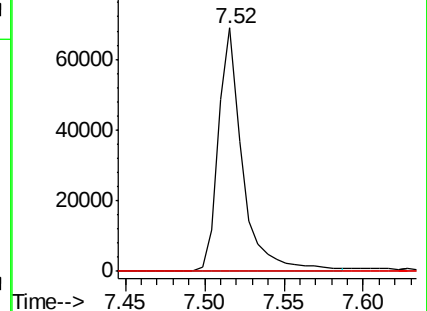
138 0.0 13.2 19.8#



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: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

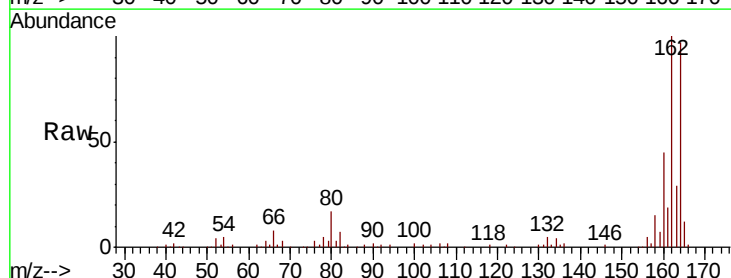
Tgt Ion:164 Resp: 106376

Ion Ratio Lower Upper

164 100

162 102.9 83.0 124.6

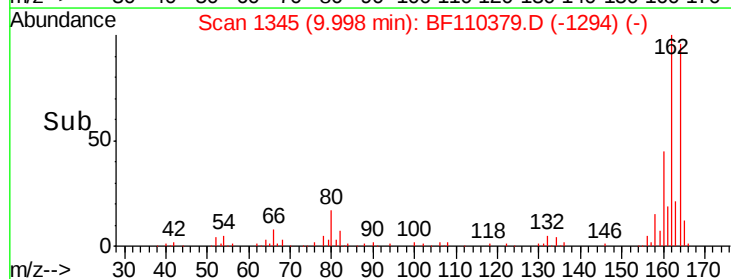
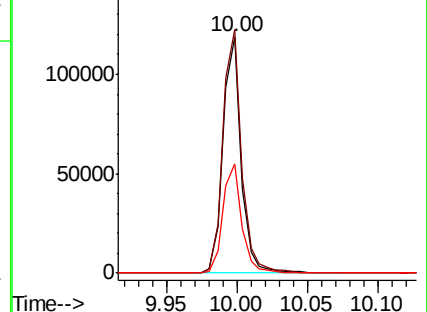
160 46.0 37.0 55.6

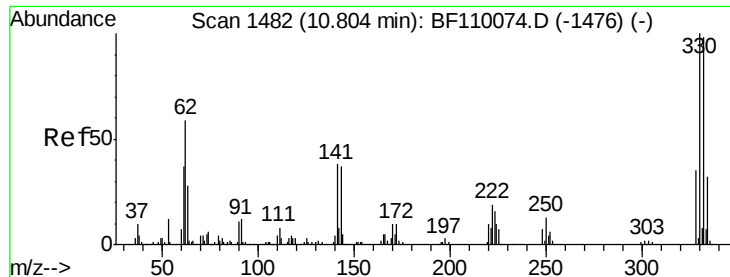


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

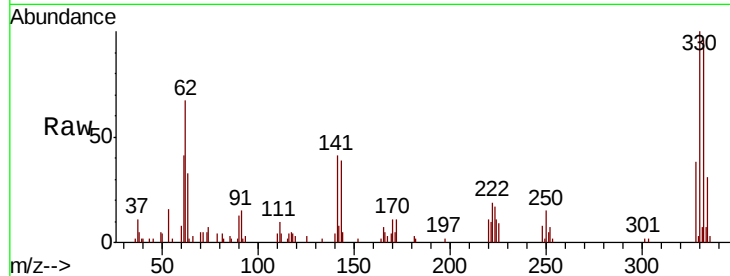




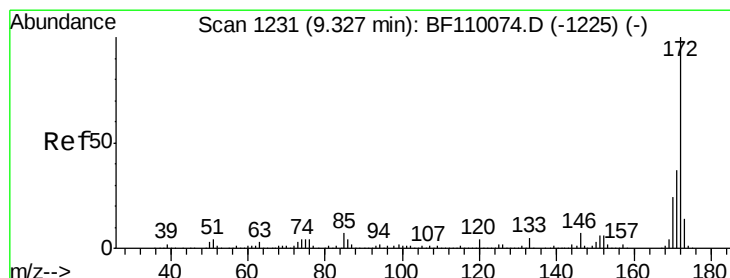
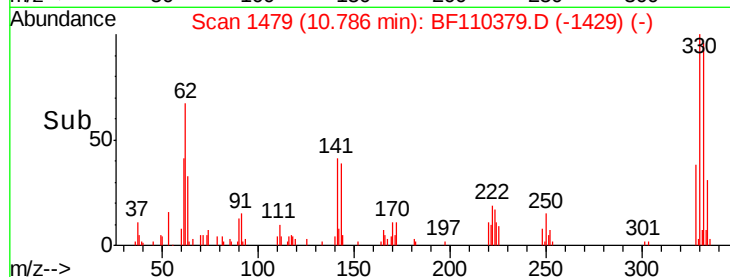
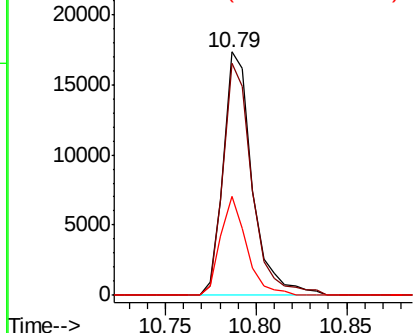
#42
 2,4,6-Tribromophenol
 Concen: 18.438 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110379.D
 Acq: 1 Nov 2018 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.1	115.7
141	36.4	27.0	40.4

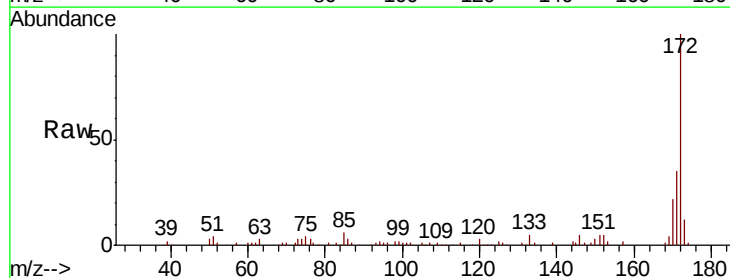


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

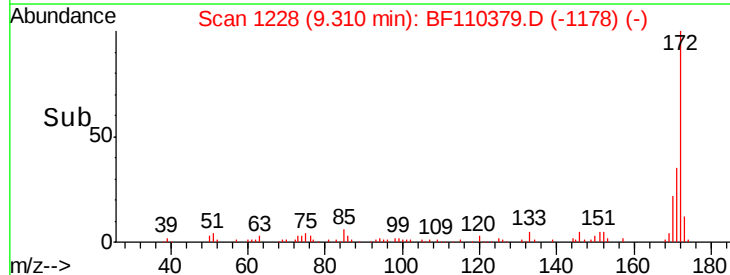
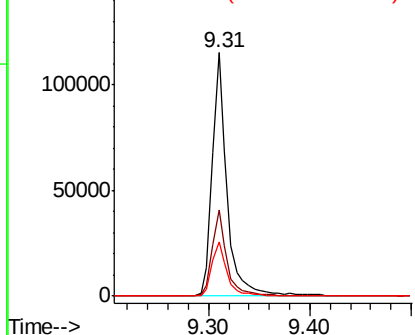


#45
 2-Fluorobiphenyl
 Concen: 17.304 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110379.D
 Acq: 1 Nov 2018 20:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	22.1	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: 8.167 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.22 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

Instrument :

BNA_F

ClientSampleId :

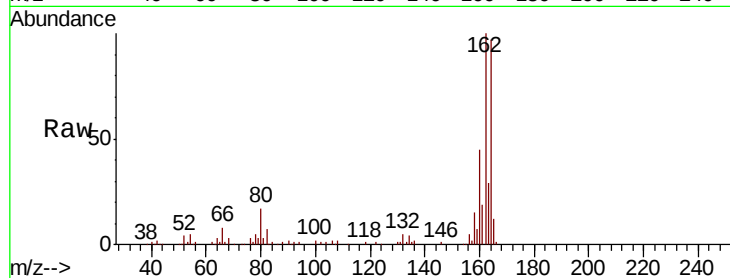
Tot Ion:165 Resp: 13814

Ion Ratio Lower Upper

165 100

63 2.1 48.9 73.3#

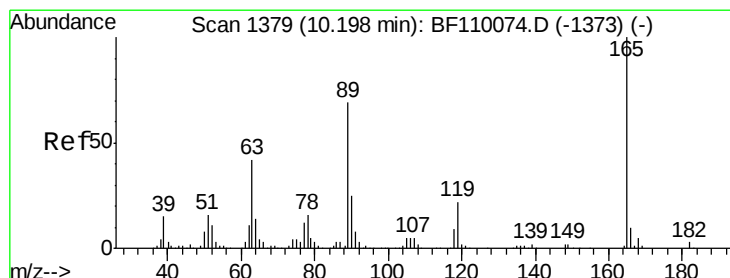
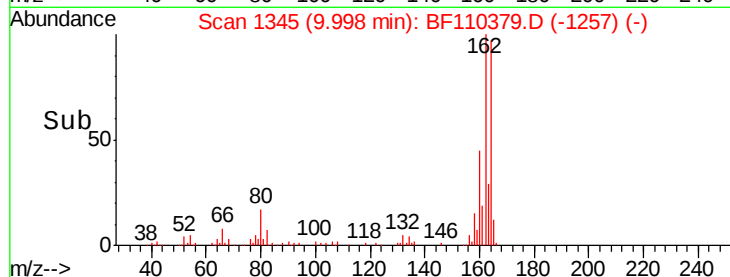
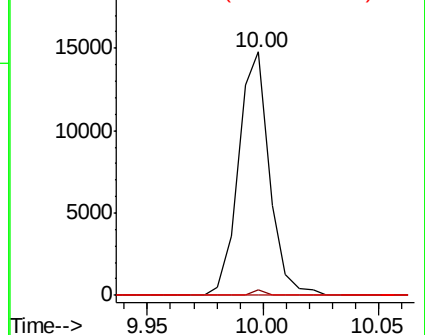
89 0.0 46.6 69.8#



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: 6.430 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

Tgt Ion:165 Resp: 13814

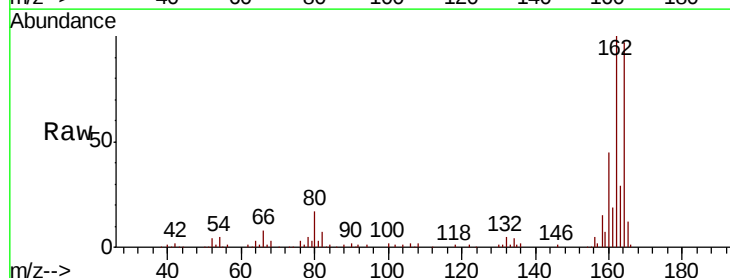
Ion Ratio Lower Upper

165 100

63 2.1 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

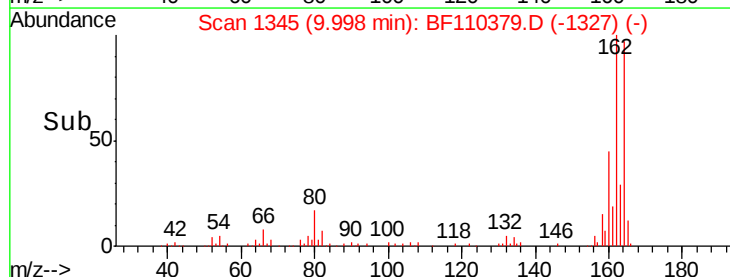
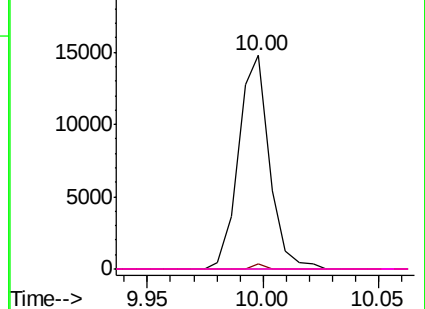


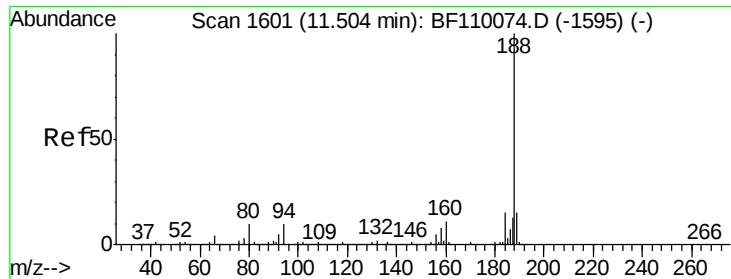
Abundance Ion 165.00 (164.70 to 165.70): E

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

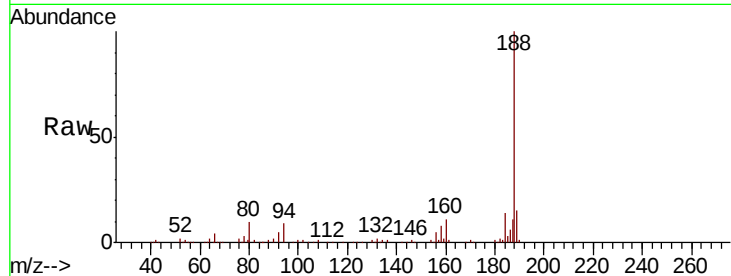




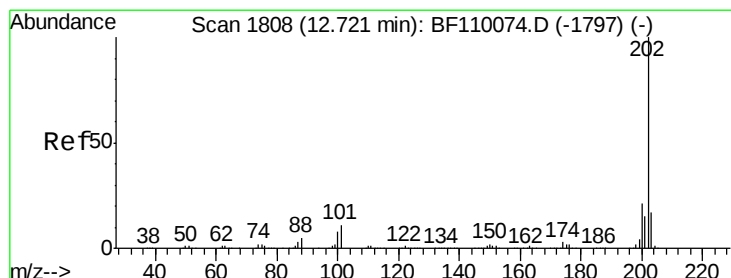
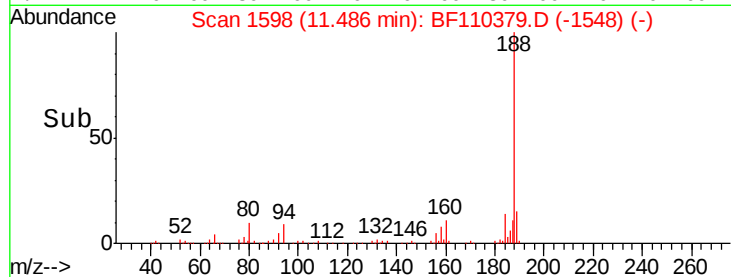
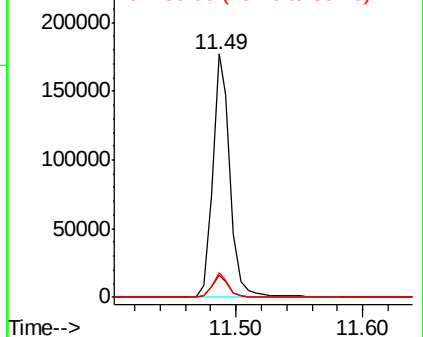
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 169738
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 10.2 7.9 11.9

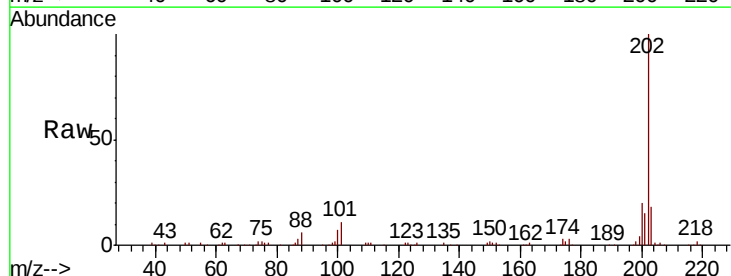


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

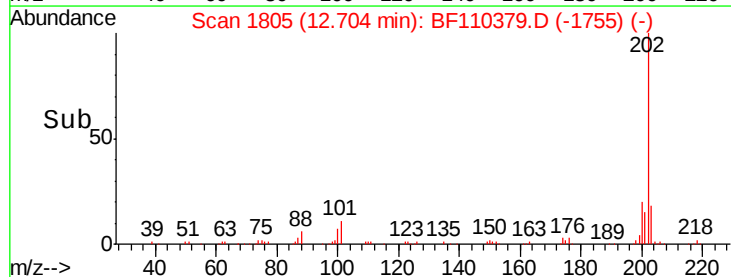
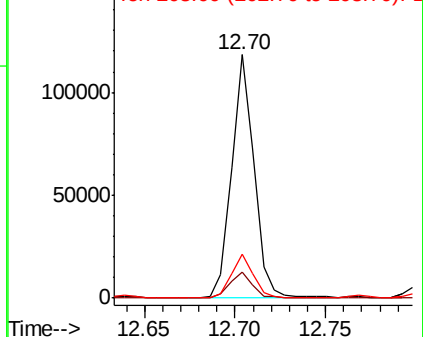


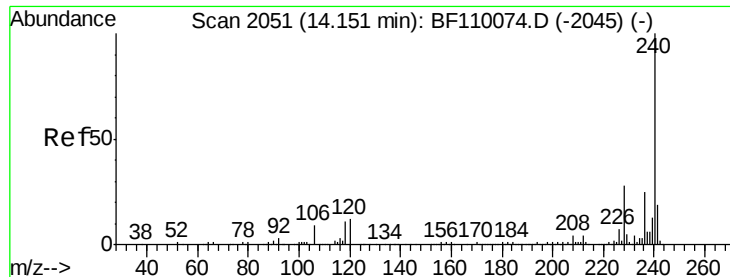
#75
Fluoranthene
Concen: 11.426 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Tgt Ion:202 Resp: 102987
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 18.1 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

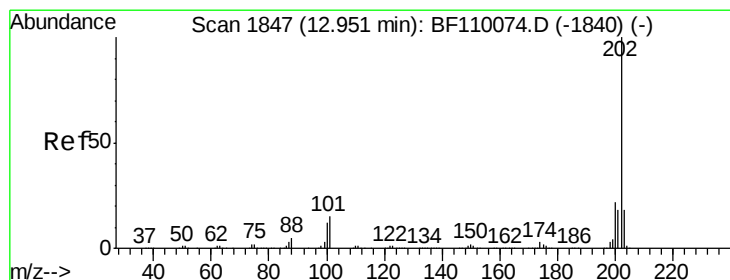
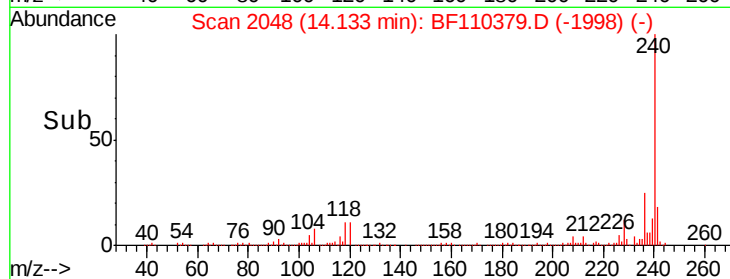
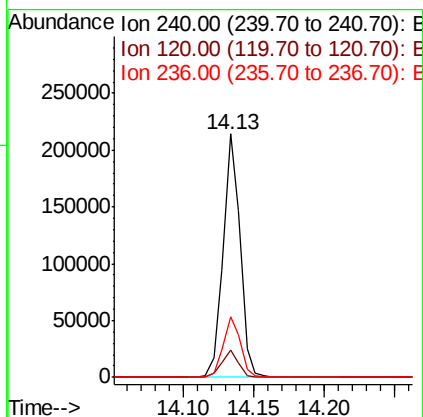
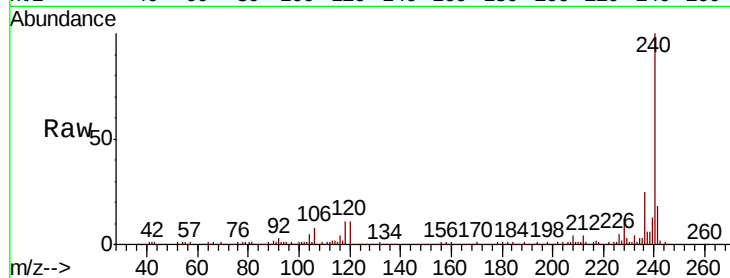




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

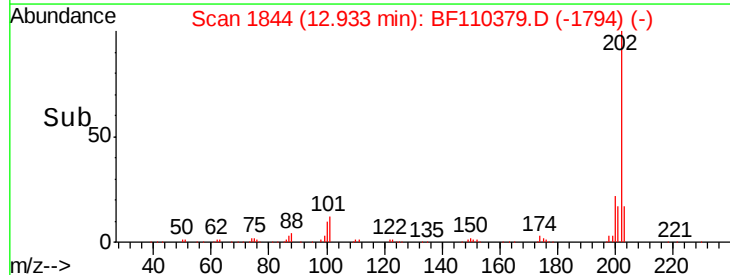
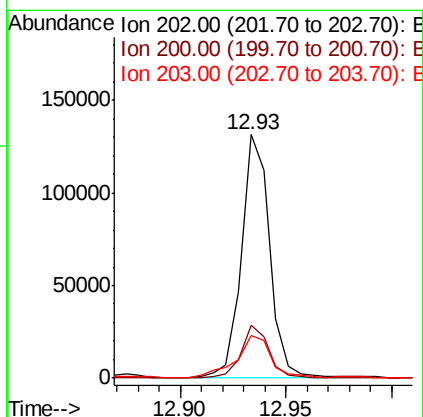
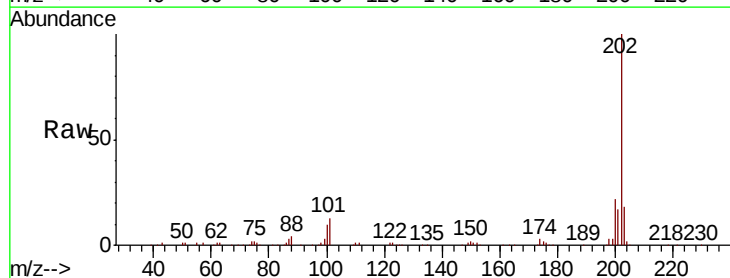
Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 178967
Ion Ratio Lower Upper
240 100
120 11.4 8.3 12.5
236 25.0 21.2 31.8



#78
Pyrene
Concen: 9.477 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Tgt Ion:202 Resp: 121591
Ion Ratio Lower Upper
202 100
200 21.7 17.8 26.6
203 17.7 14.2 21.4

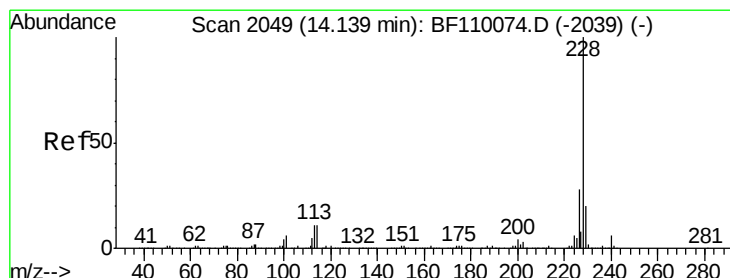
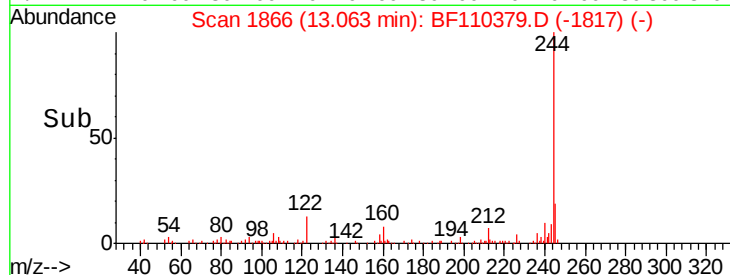
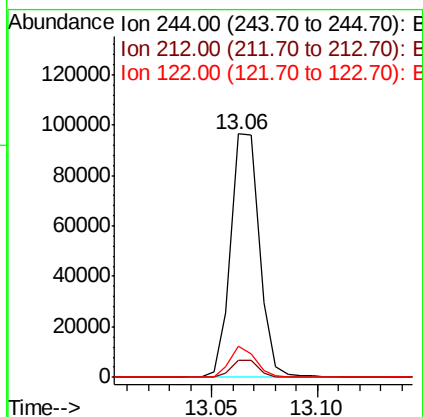
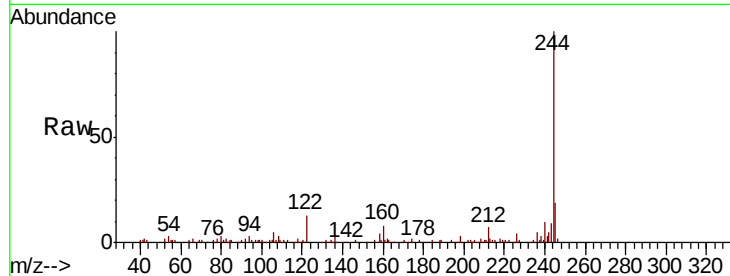




#79
 Terphenyl-d14
 Concen: 10.520 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110379.D
 Acq: 1 Nov 2018 20:34

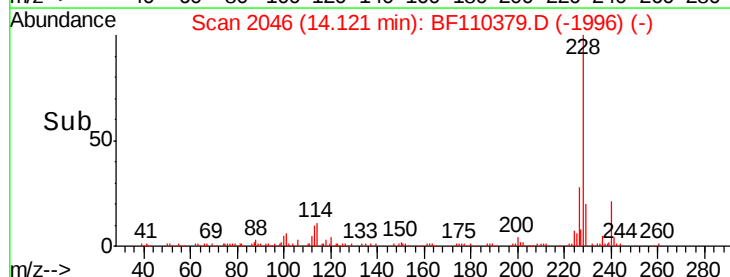
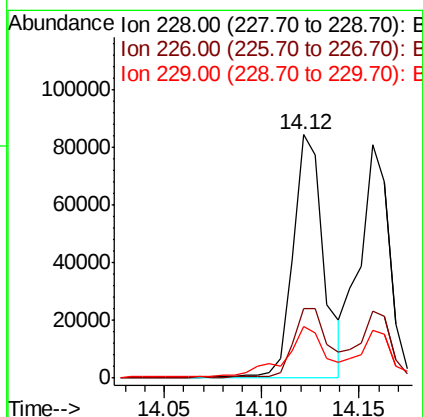
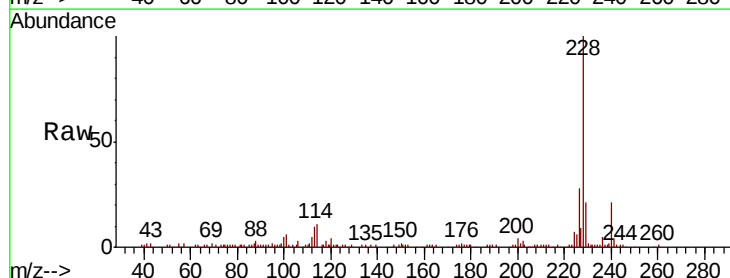
Instrument :
 BNA_F
 ClientSampleId :

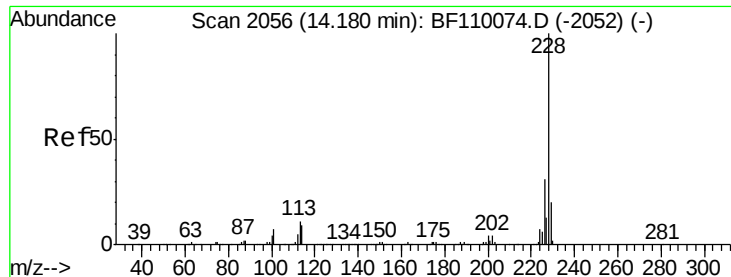
Tot Ion:244 Resp: 90525
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 12.6 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 8.701 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110379.D
 Acq: 1 Nov 2018 20:34

Tgt Ion:228 Resp: 92343
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.1 33.1
 229 21.4 15.6 23.4





#83

Chrysene

Concen: 8.507 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

Instrument :

BNA_F

ClientSampleId :

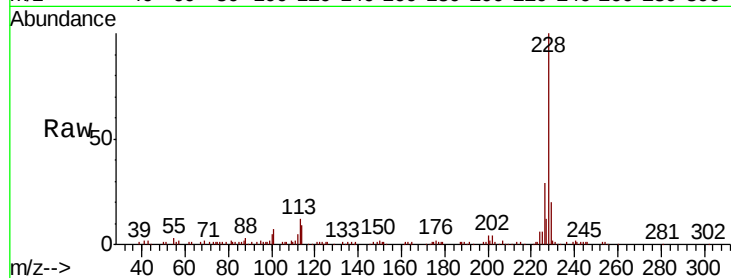
Tot Ion:228 Resp: 85758

Ion Ratio Lower Upper

228 100

226 28.7 24.7 37.1

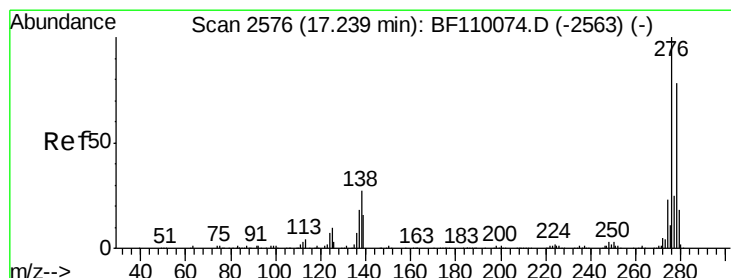
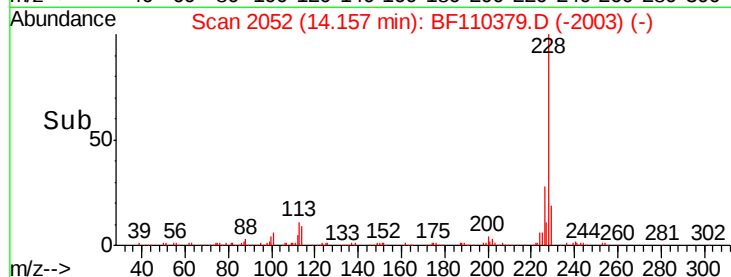
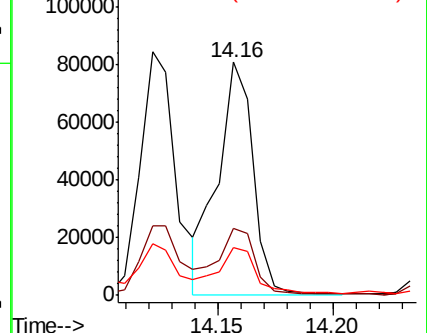
229 20.2 15.9 23.9



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: 4.786 ng

RT: 17.22 min Scan# 2572

Delta R.T. -0.01 min

Lab File: BF110379.D

Acq: 1 Nov 2018 20:34

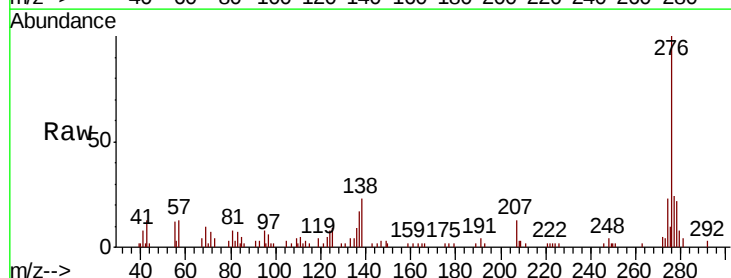
Tgt Ion:276 Resp: 40022

Ion Ratio Lower Upper

276 100

138 24.5 18.5 27.7

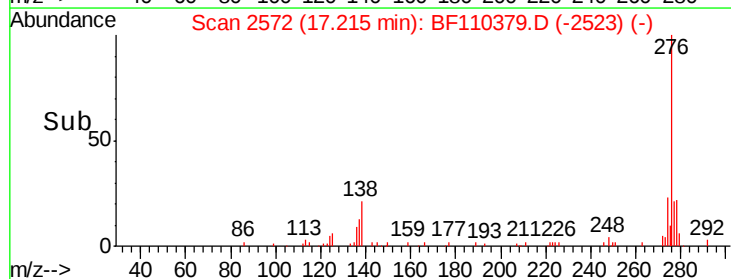
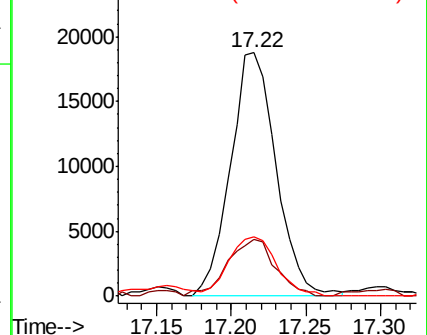
277 25.5 20.0 30.0

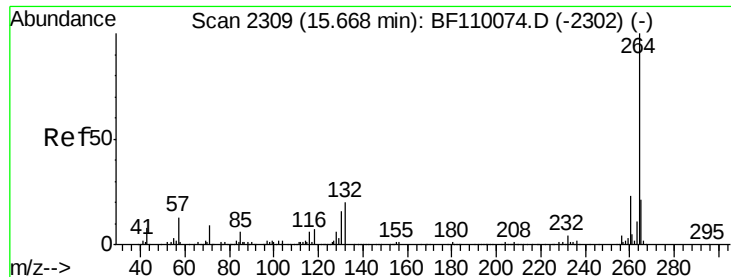


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

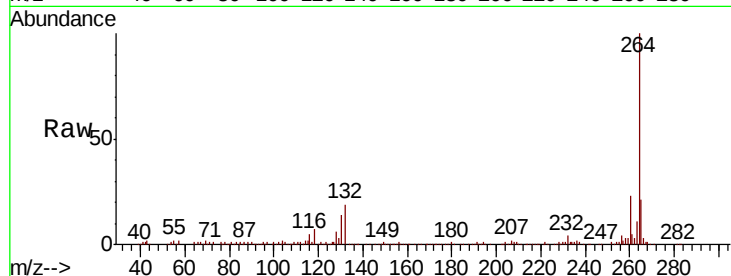




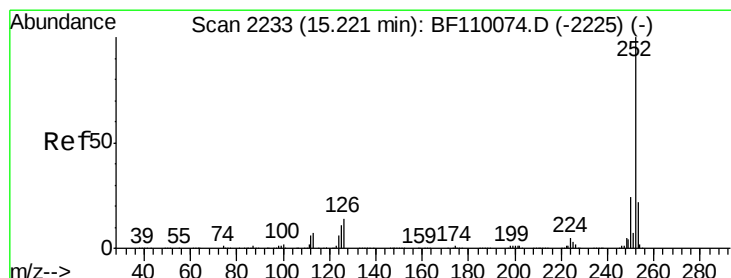
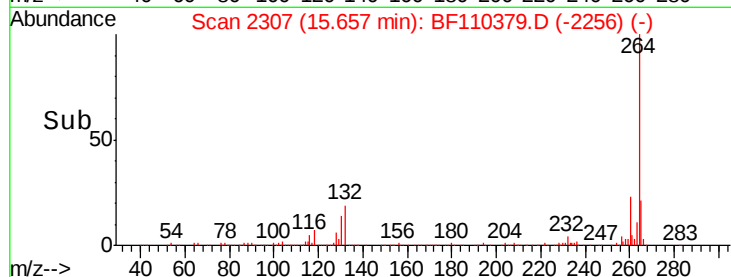
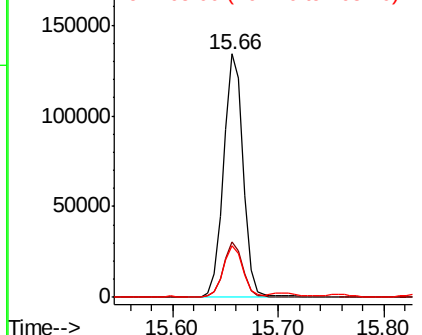
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 172685
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.2 16.7 25.1

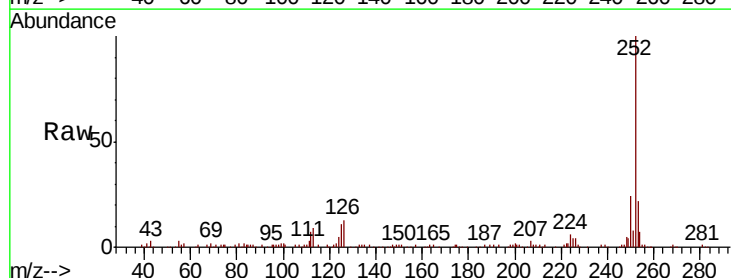


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

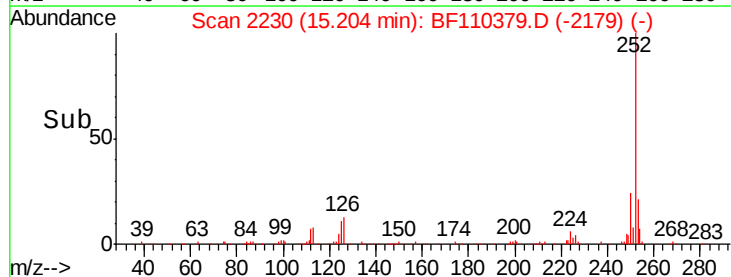
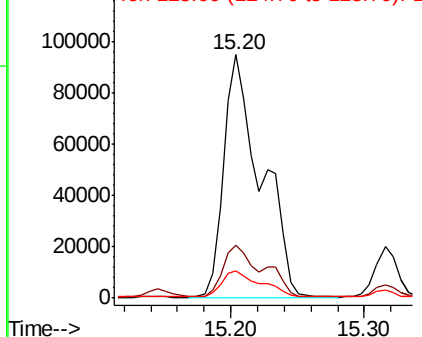


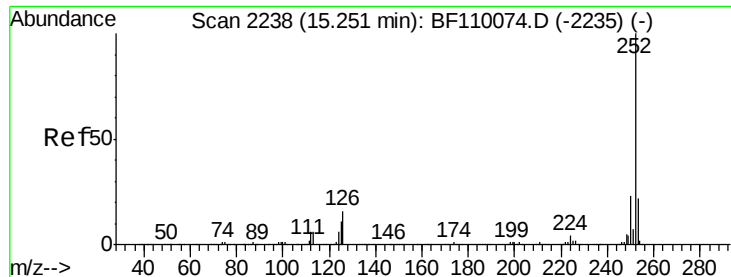
#88
Benzo(b)fluoranthene
Concen: 18.739 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Tgt Ion:252 Resp: 186864
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 11.4 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

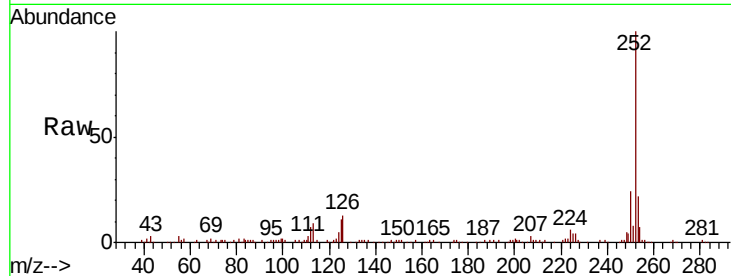




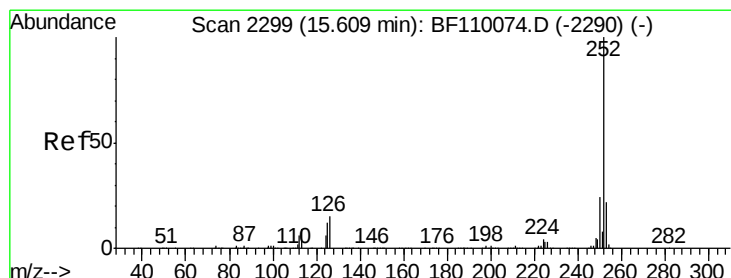
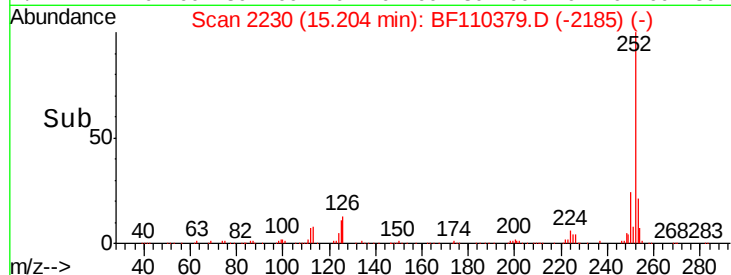
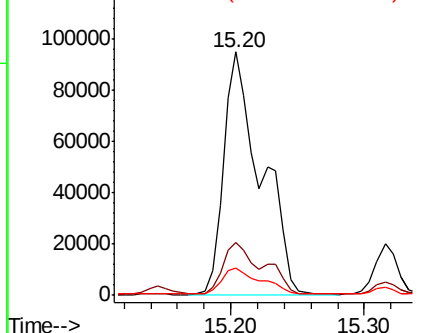
#89
Benzo(k)fluoranthene
Concen: 19.061 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 186864
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 11.4 7.4 11.0#

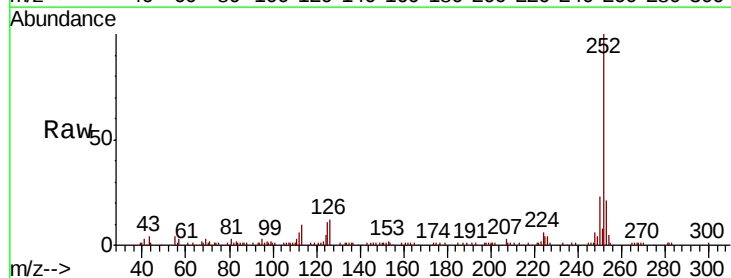


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

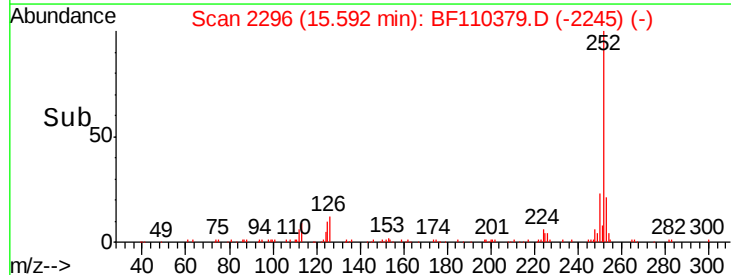
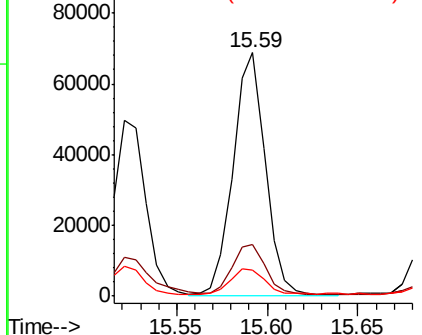


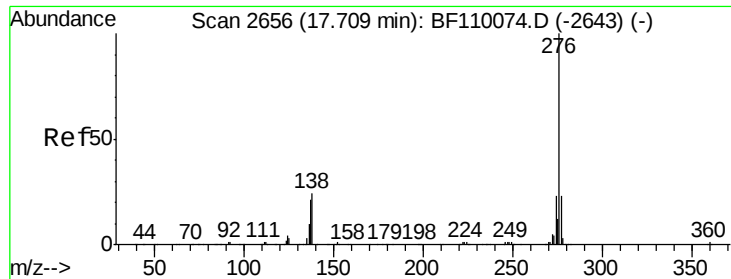
#90
Benzo(a)pyrene
Concen: 9.389 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110379.D
Acq: 1 Nov 2018 20:34

Tgt Ion:252 Resp: 86150
Ion Ratio Lower Upper
252 100
253 21.3 18.2 27.4
125 10.6 9.0 13.6



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





#92
 Benzo(a,h,i)perylene
 Concen: 4.052 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.01 min
 Lab File: BF110379.D
 Acq: 1 Nov 2018 20:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	25.0	16.0	24.0

