

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110419.D
 Acq On : 2 Nov 2018 18:38
 Operator : JU/SJ
 Sample : J5759-13 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:51:10 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	6.95	152	93674	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	406977	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	179147	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	285352	20.00	ng	0.00
76) Chrysene-d12	14.13	240	175523	20.00	ng	0.00
87) Perylene-d12	15.66	264	169169	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	4351	0.76	ng	0.00
7) Phenol-d6	6.57	99	41184	5.60	ng	0.00
23) Nitrobenzene-d5	7.52	82	42963	6.26	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	9.31	172	93273	8.18	ng	0.00
79) Terphenyl-d14	13.06	244	60878	7.21	ng	-0.01

Target Compounds

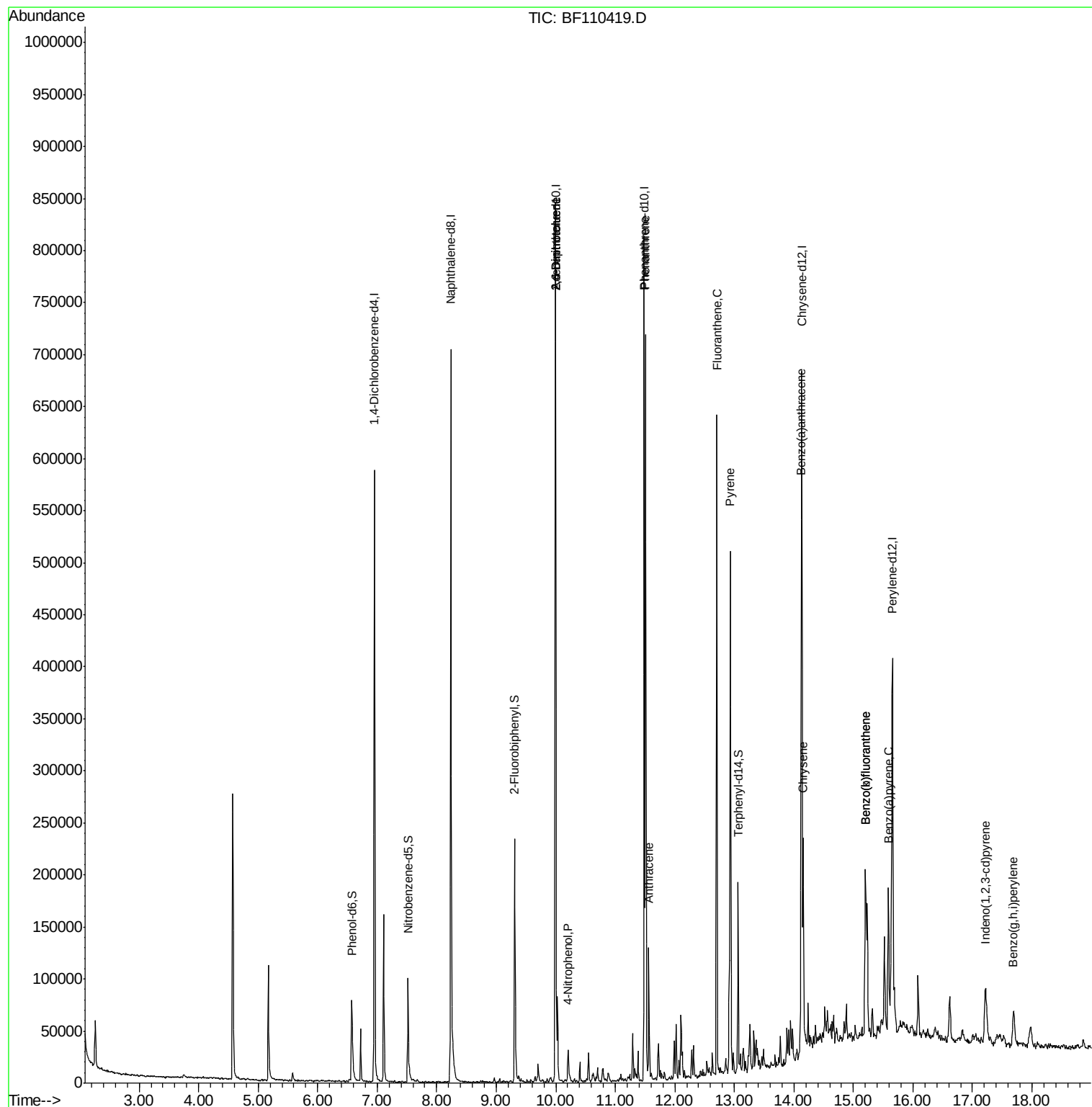
						Qvalue
9) Benzaldehyde	6.72	77	125	Below Cal	#	40
51) 2,6-Dinitrotoluene	10.00	165	23155	8.129 ng	#	22
56) 4-Nitrophenol	10.20	139	6544	2.610 ng	#	6
57) 2,4-Dinitrotoluene	10.00	165	23155	6.400 ng	#	18
71) Phenanthrene	11.51	178	264284	17.700 ng		99
72) Anthracene	11.56	178	62329	4.165 ng		97
75) Fluoranthene	12.70	202	250409	16.525 ng		98
77) Benzydine	13.06	184	815	Below Cal	#	65
78) Pyrene	12.93	202	202669	16.106 ng		97
81) Benzo(a)anthracene	14.12	228	90629	8.707 ng		99
83) Chrysene	14.16	228	77238	7.813 ng		98
86) Indeno(1,2,3-cd)pyrene	17.22	276	34181	4.168 ng		99
88) Benzo(b)fluoranthene	15.20	252	124640	12.759 ng		95
89) Benzo(k)fluoranthene	15.20	252	124640	12.978 ng	#	94
90) Benzo(a)pyrene	15.59	252	65416	7.277 ng		98
92) Benzo(g,h,i)perylene	17.69	276	29272	3.830 ng	#	93

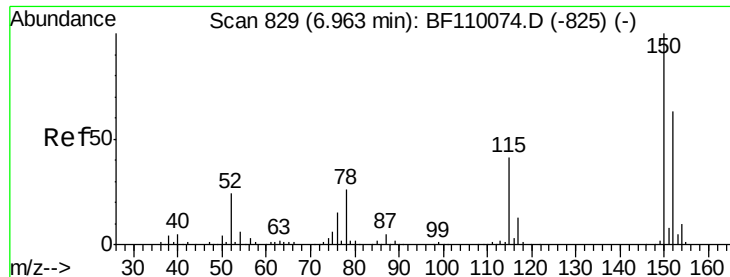
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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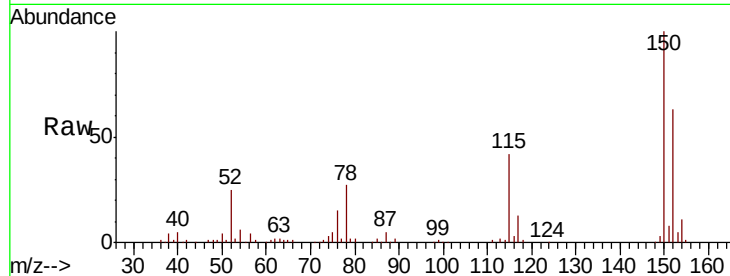


#1

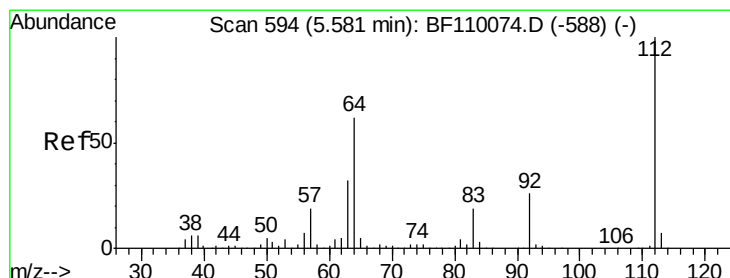
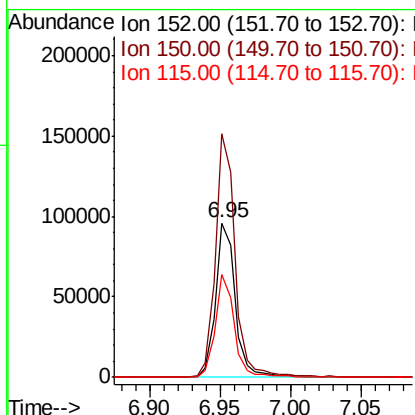
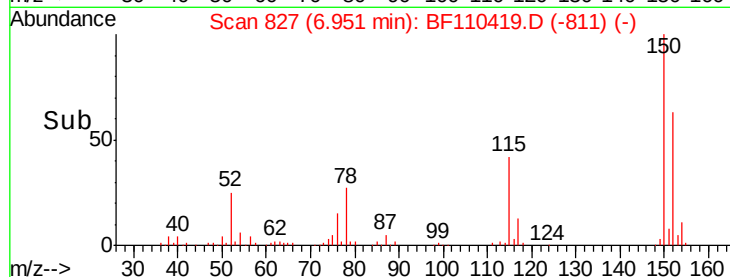
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93674
Ion Ratio Lower Upper
152 100
150 157.8 122.7 184.1
115 66.8 49.1 73.7



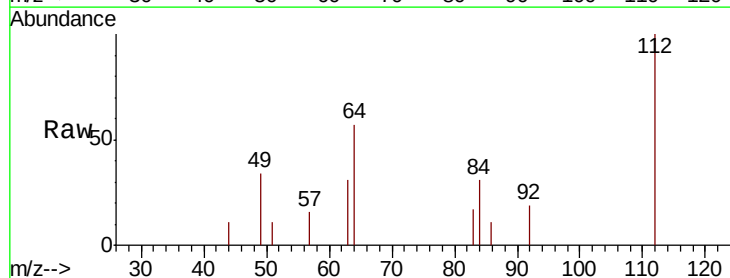
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



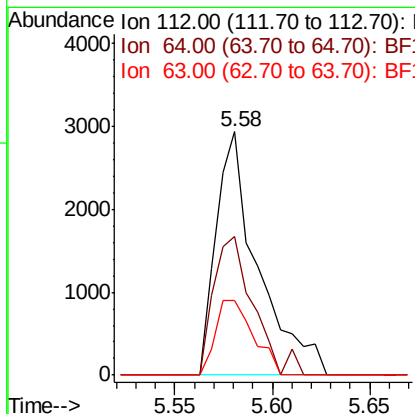
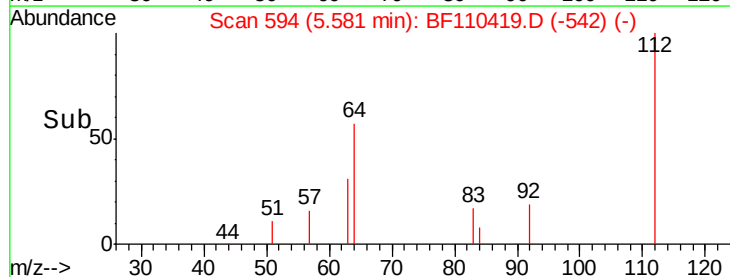
#5

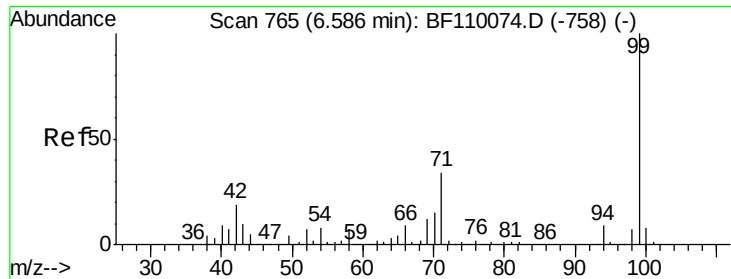
2-Fluorophenol
Concen: 0.756 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion:112 Resp: 4351
Ion Ratio Lower Upper
112 100
64 57.0 44.1 66.1
63 30.8 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: 5.597 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

Instrument :

BNA_F

ClientSampleId :

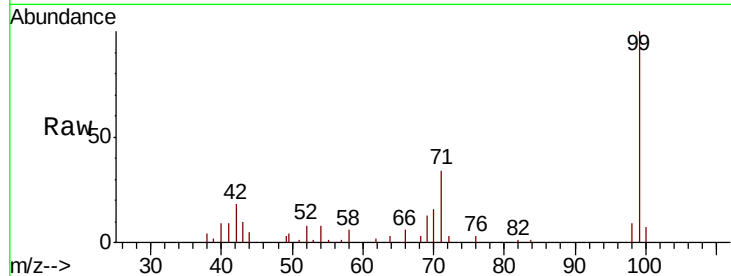
Tot Ion: 99 Resp: 41184

Ion Ratio Lower Upper

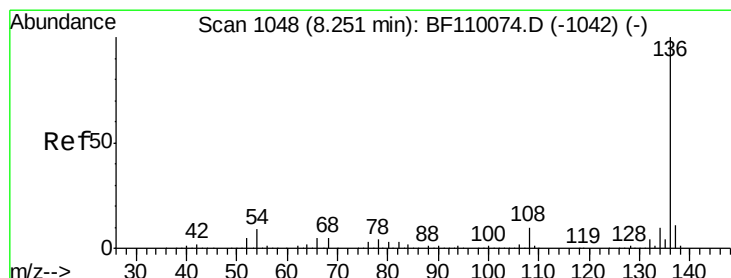
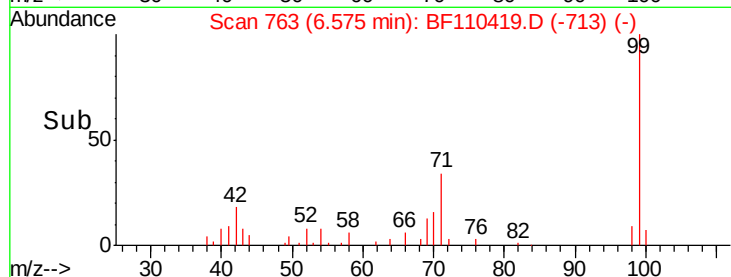
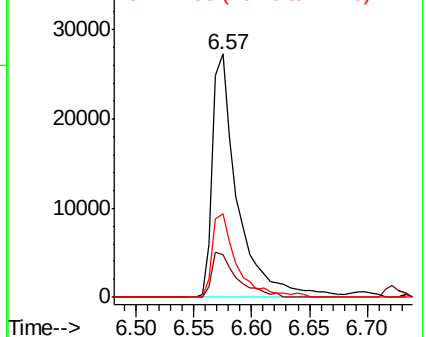
99 100

42 17.7 15.8 23.6

71 34.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

Tgt Ion: 136 Resp: 406977

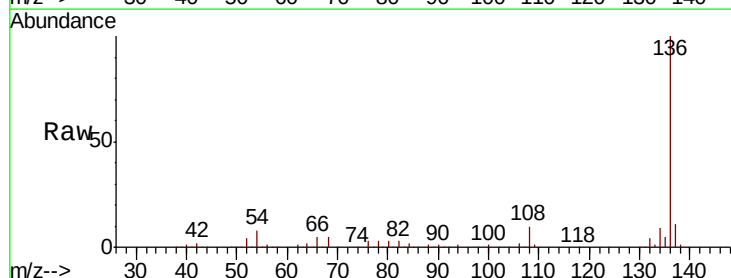
Ion Ratio Lower Upper

136 100

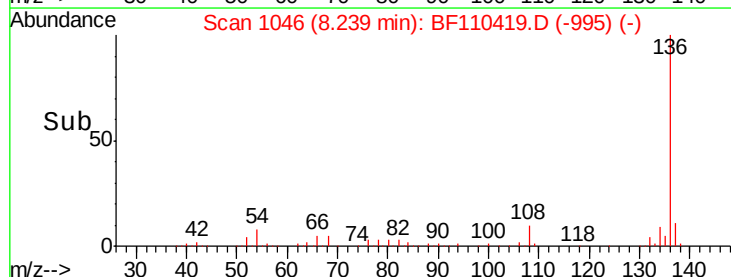
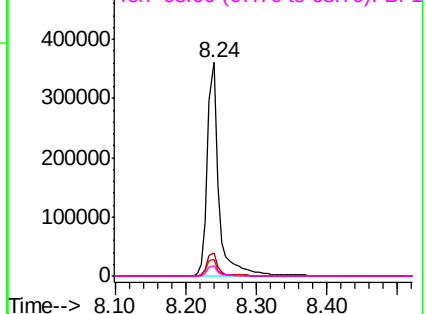
137 10.9 8.8 13.2

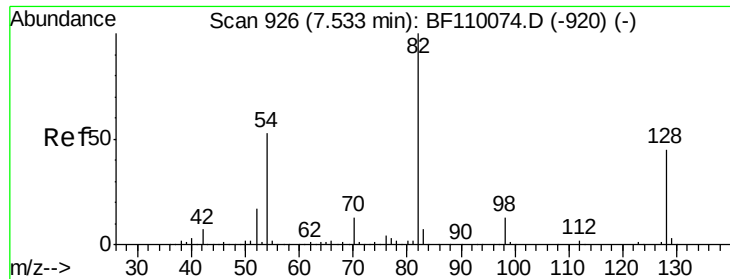
54 7.5 5.4 8.2

68 4.7 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

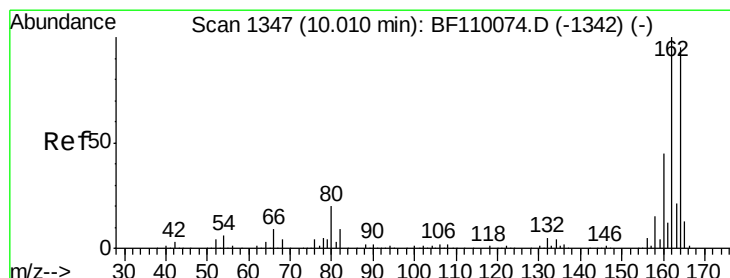
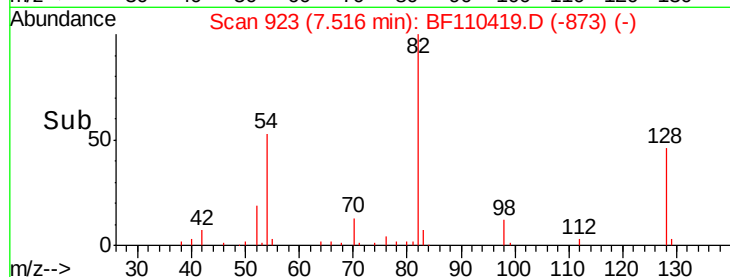
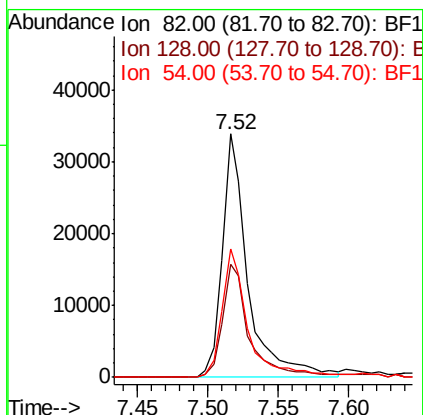
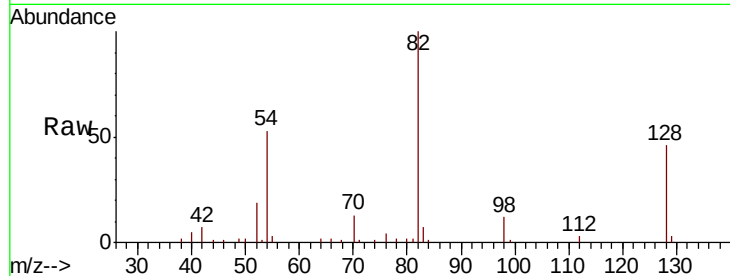




#23
Nitrobenzene-d5
Concen: 6.261 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

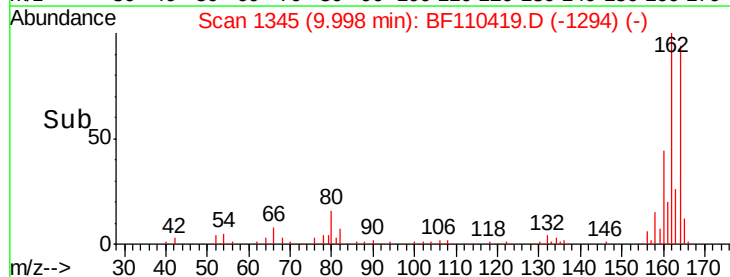
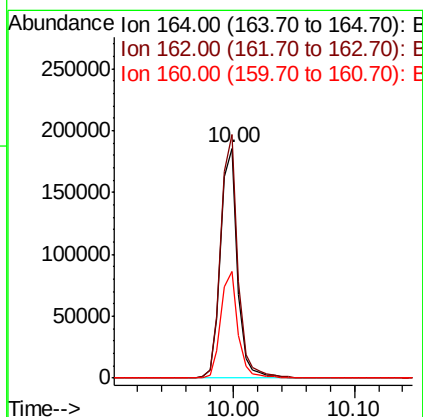
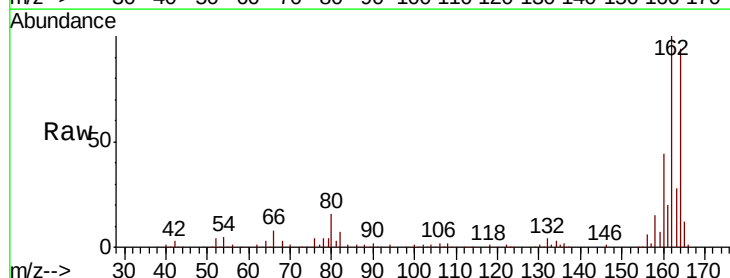
Instrument :
BNA_F
ClientSampled :

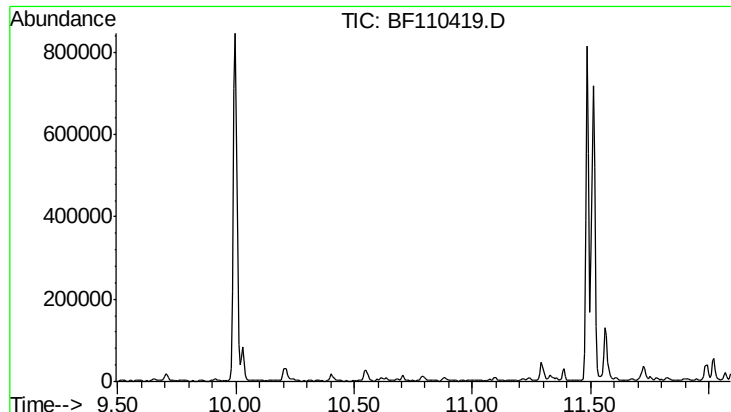
Tot Ion: 82 Resp: 42963
Ion Ratio Lower Upper
82 100
128 46.4 34.2 51.2
54 52.8 38.6 58.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion:164 Resp: 179147
Ion Ratio Lower Upper
164 100
162 106.1 83.0 124.6
160 46.4 37.0 55.6

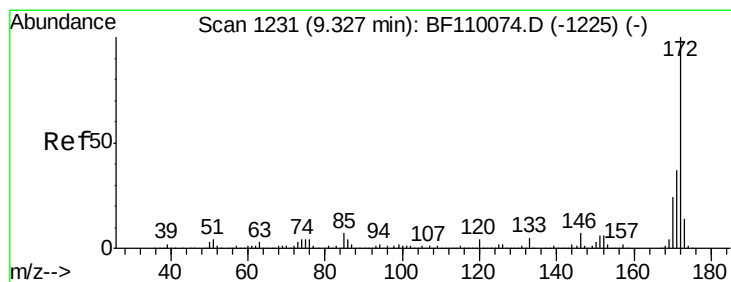
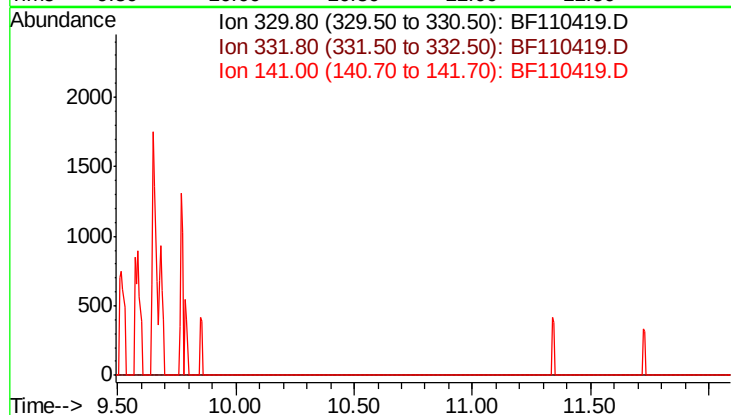




#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.79 min
 Lab File: BF110419.D
 Acq: 2 Nov 2018 18:38

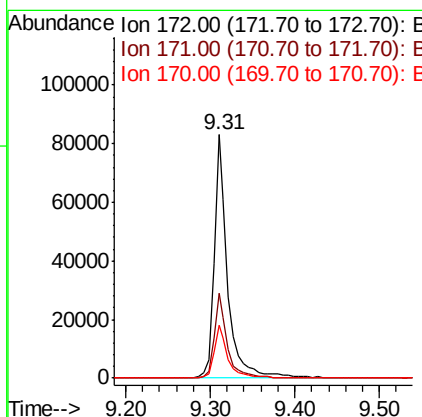
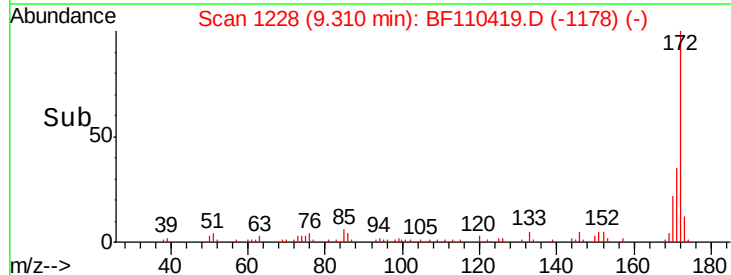
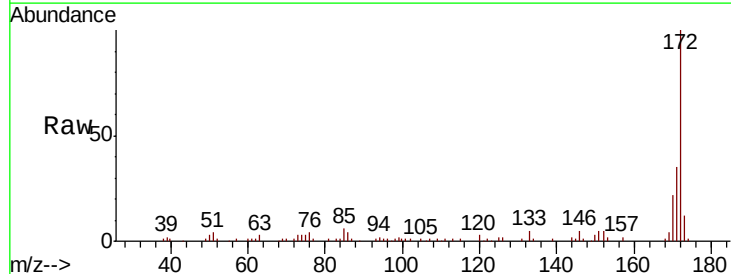
Instrument :
 BNA_F
 ClientSampleId :

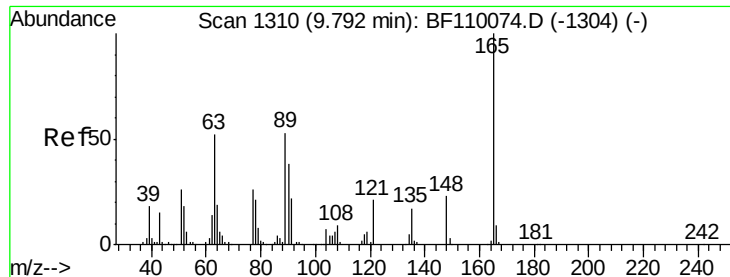
Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 96.4
 141 33.7



#45
 2-Fluorobiphenyl
 Concen: 8.176 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110419.D
 Acq: 2 Nov 2018 18:38

Tgt Ion: 172 Resp: 93273
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 43.0
 170 21.8 19.7 29.5

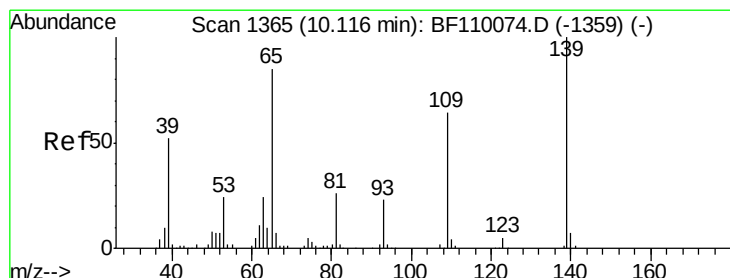
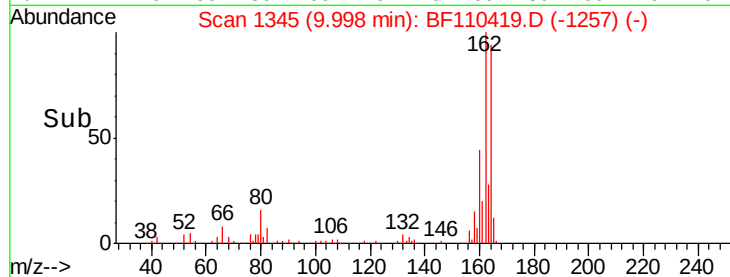
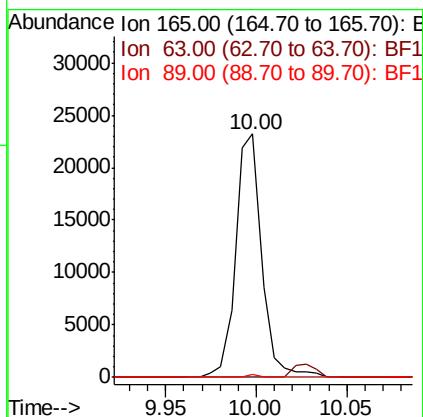
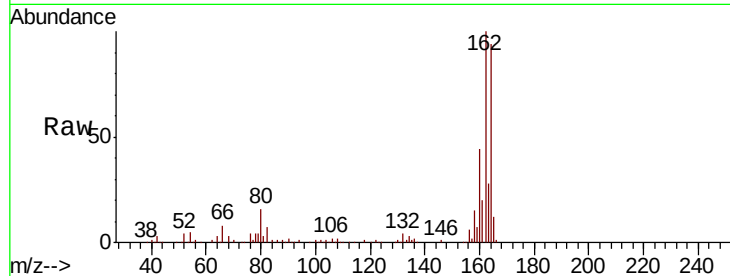




#51
 2,6-Dinitrotoluene
 Concen: 8.129 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. 0.22 min
 Lab File: BF110419.D
 Acq: 2 Nov 2018 18:38

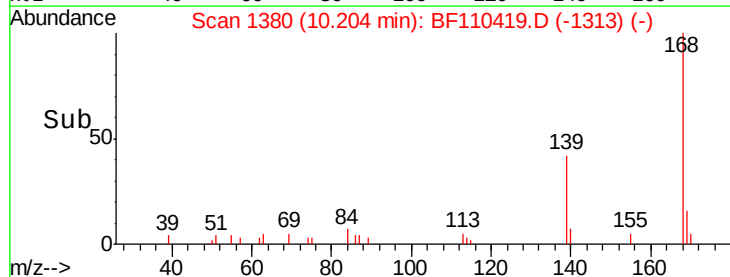
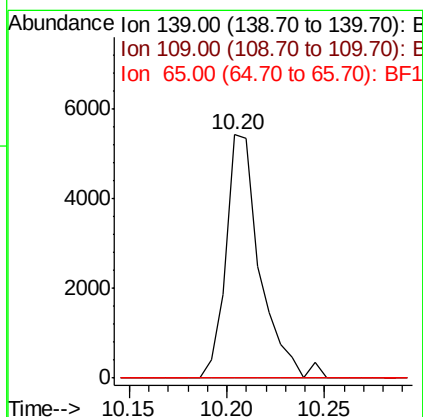
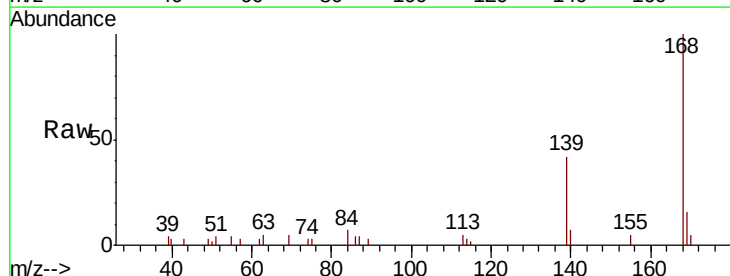
Instrument :
 BNA_F
 ClientSampleId :

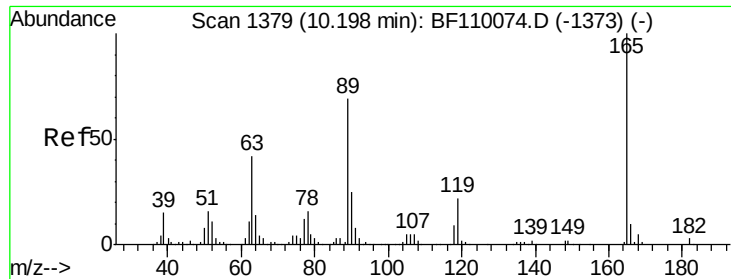
Tot Ion:165 Resp: 23155
 Ion Ratio Lower Upper
 165 100
 63 0.0 48.9 73.3#
 89 1.4 46.6 69.8#



#56
 4-Nitrophenol
 Concen: 2.610 ng
 RT: 10.20 min Scan# 1380
 Delta R.T. 0.09 min
 Lab File: BF110419.D
 Acq: 2 Nov 2018 18:38

Tgt Ion:139 Resp: 6544
 Ion Ratio Lower Upper
 139 100
 109 0.0 55.8 95.8#
 65 0.0 77.9 117.9#





#57

2,4-Dinitrotoluene

Concen: 6.400 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23155

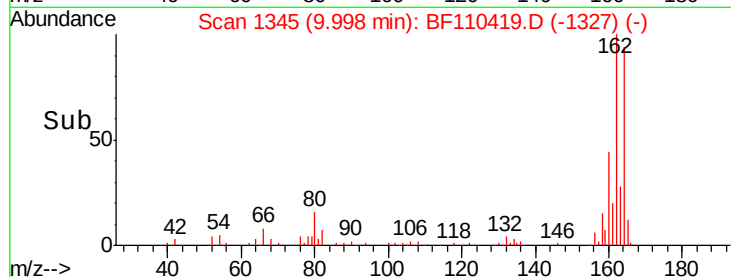
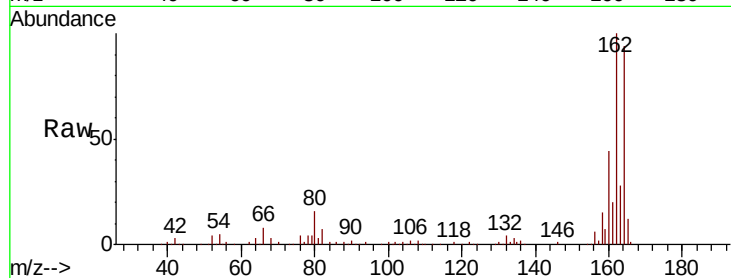
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 1.4 62.2 93.4#

182 0.0 2.1 3.1#

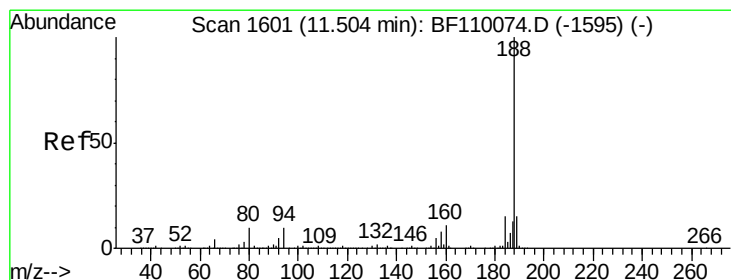
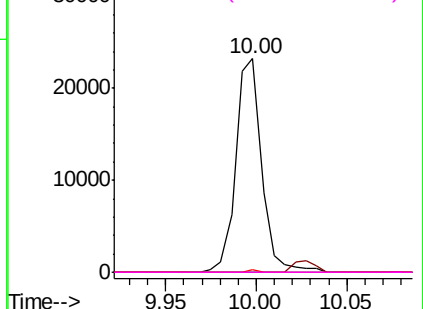


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

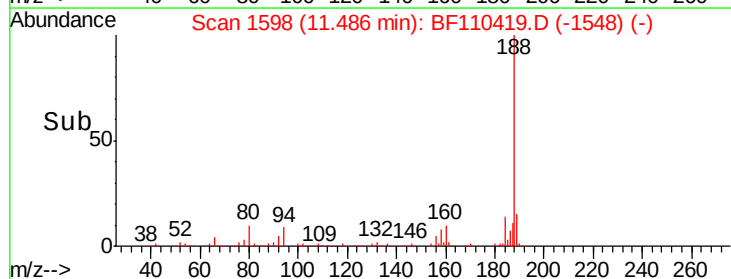
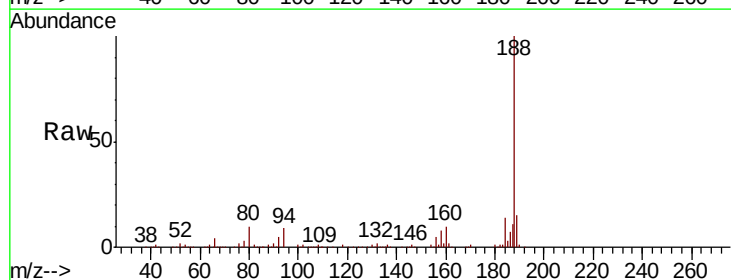
Tgt Ion:188 Resp: 285352

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

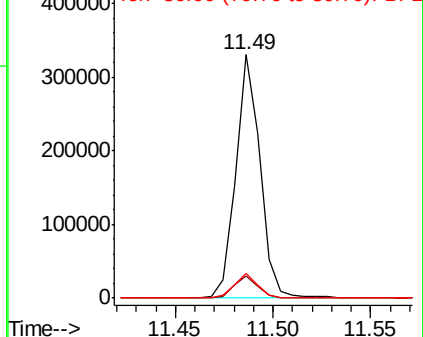
80 9.9 7.9 11.9

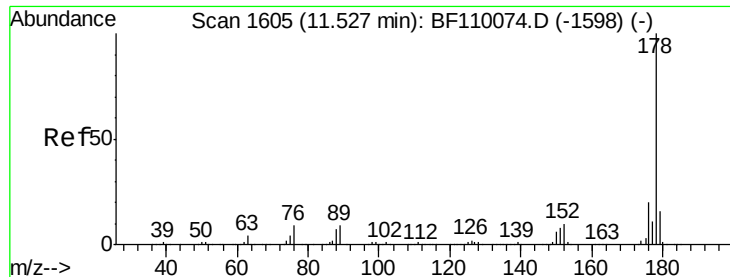


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

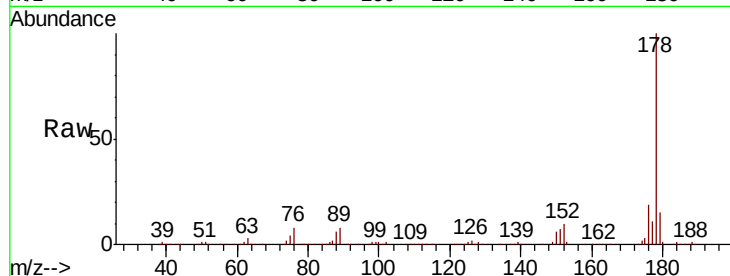




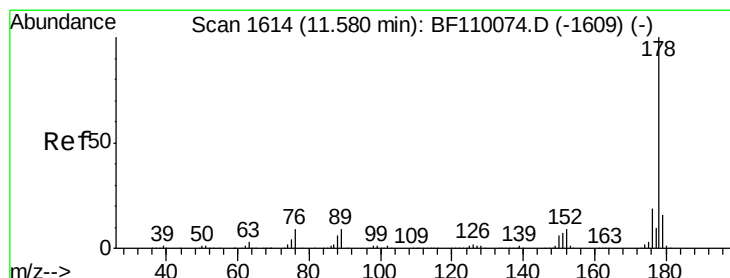
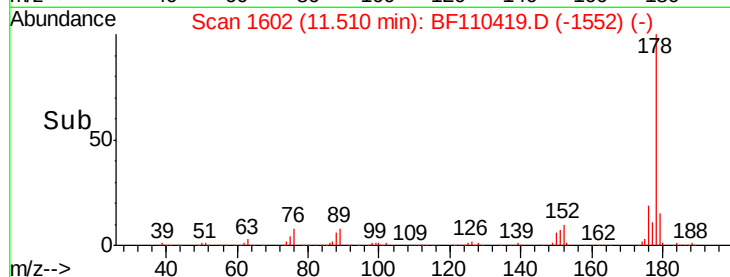
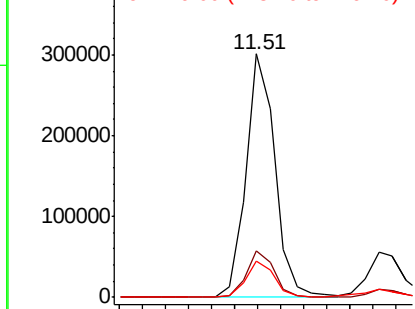
#71
Phenanthrene
Concen: 17.700 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 264284
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 14.7 12.5 18.7

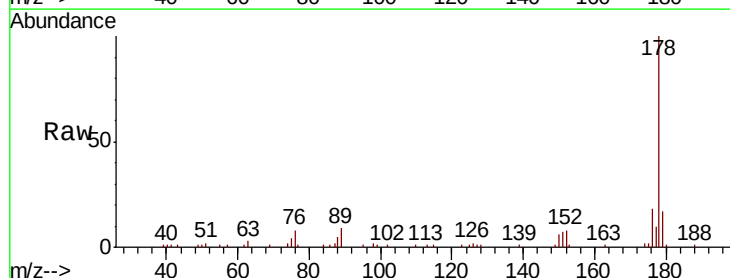


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

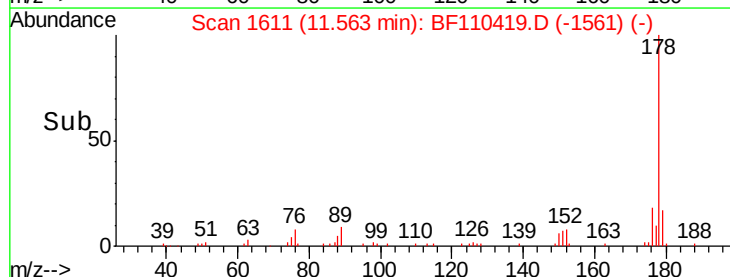
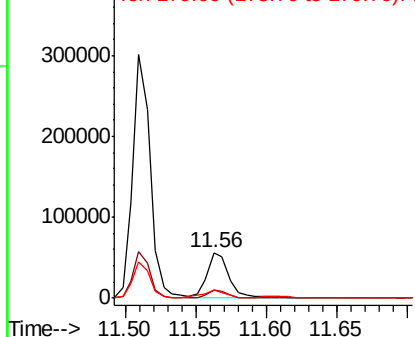


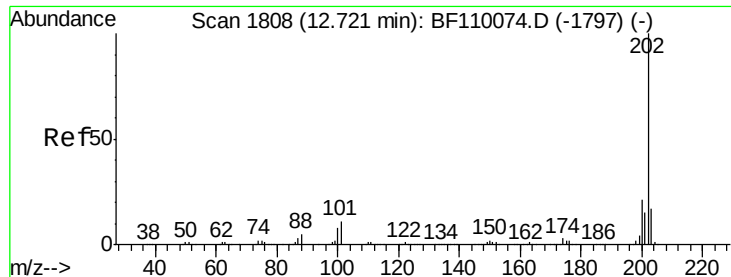
#72
Anthracene
Concen: 4.165 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion:178 Resp: 62329
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 16.8 12.6 18.8



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: 16.525 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

Instrument :

BNA_F

ClientSampleId :

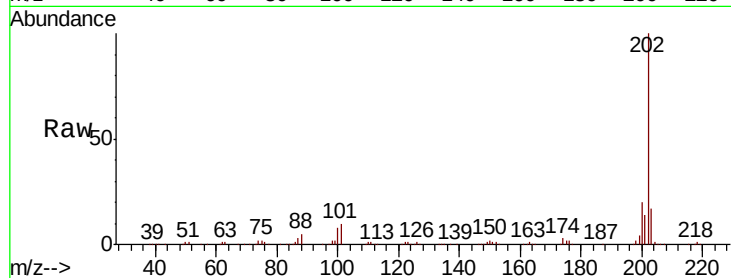
Tot Ion:202 Resp: 250409

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

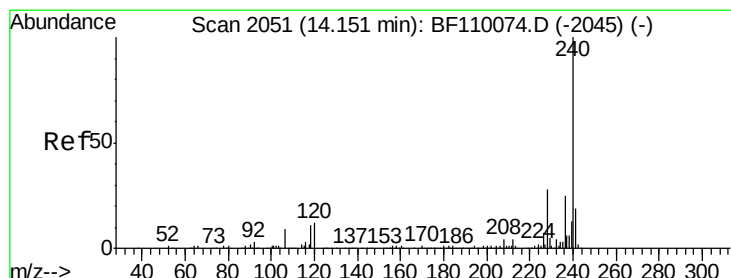
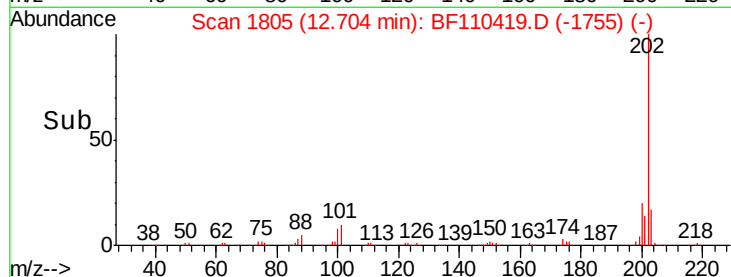
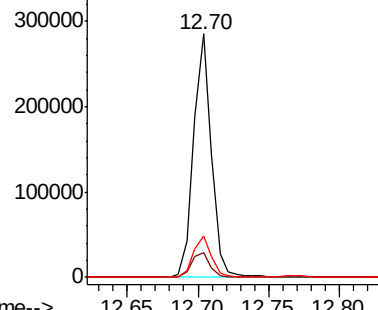
203 16.9 0.0 37.7



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: BF110419.D

Acq: 2 Nov 2018 18:38

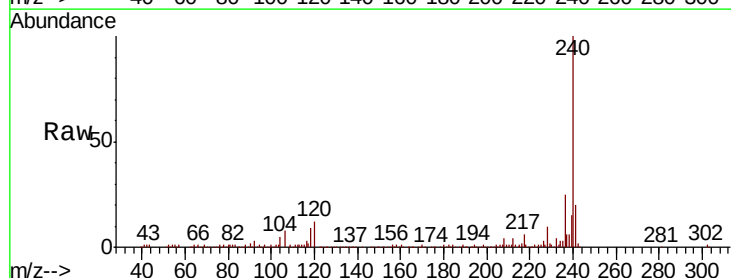
Tgt Ion:240 Resp: 175523

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

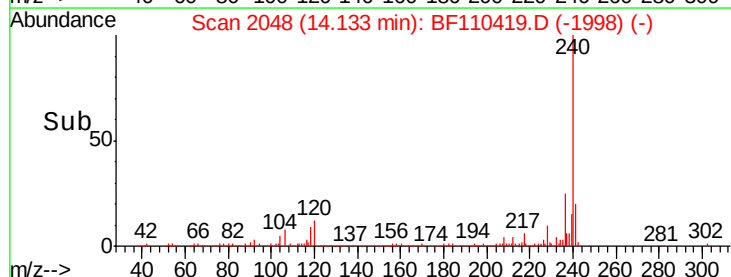
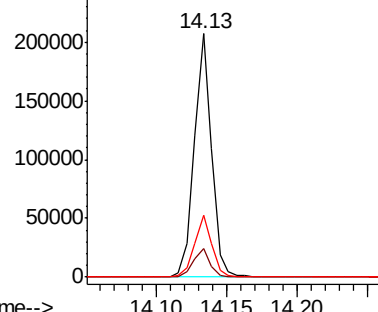
236 25.3 21.2 31.8

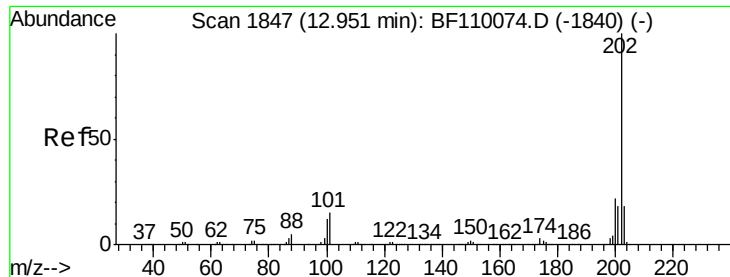


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

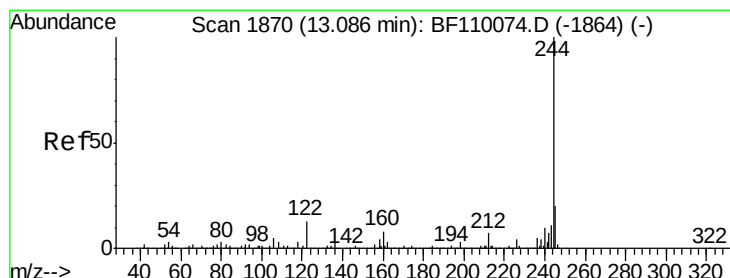
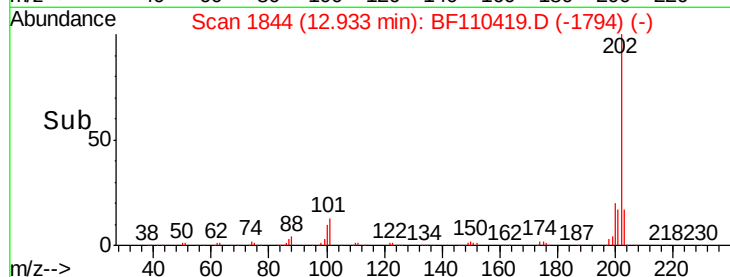
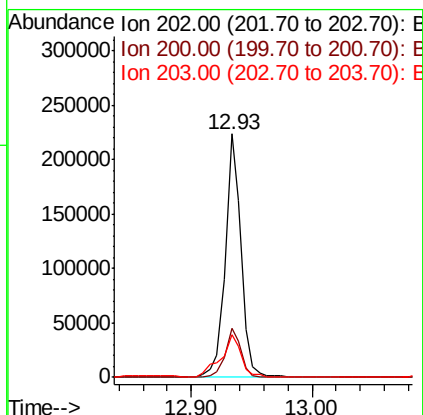
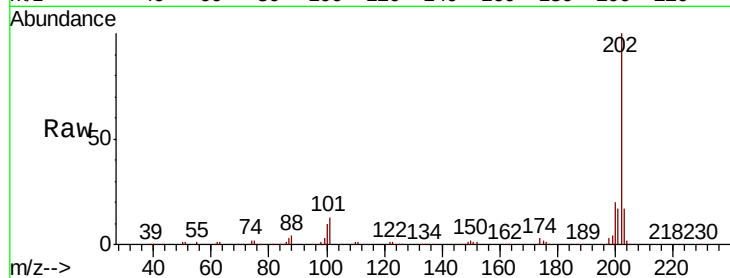




#78
Pvrene
Concen: 16.106 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

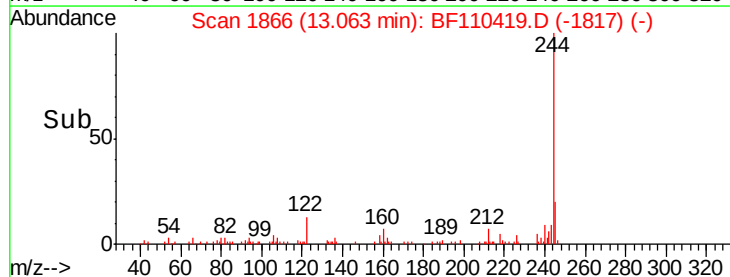
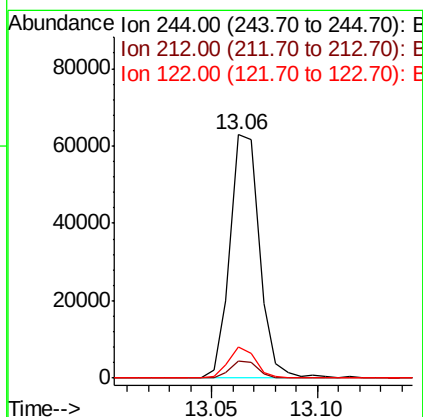
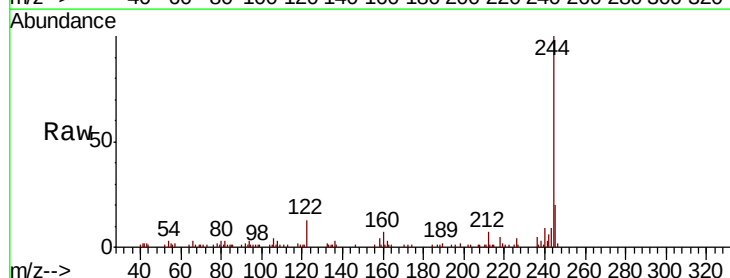
Instrument :
BNA_F
ClientSampled :

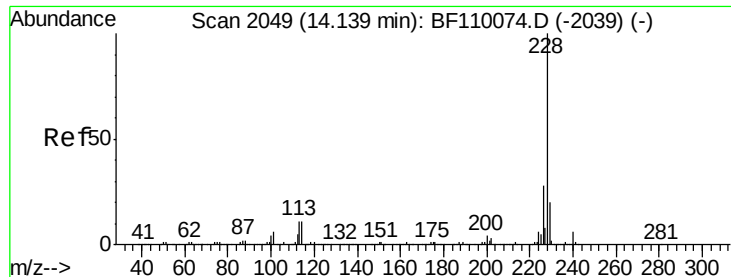
Tot Ion:202 Resp: 202669
Ion Ratio Lower Upper
202 100
200 20.4 17.8 26.6
203 17.4 14.2 21.4



#79
Terphenyl-d14
Concen: 7.213 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion:244 Resp: 60878
Ion Ratio Lower Upper
244 100
212 6.8 5.8 8.8
122 12.7 8.7 13.1

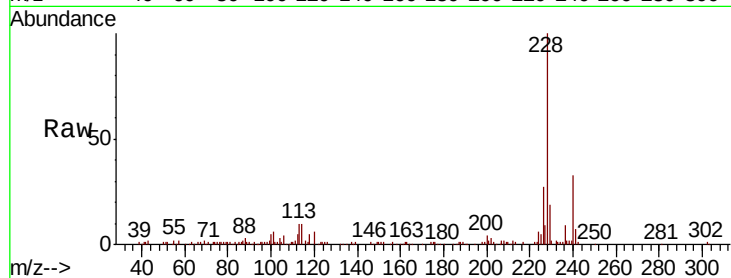




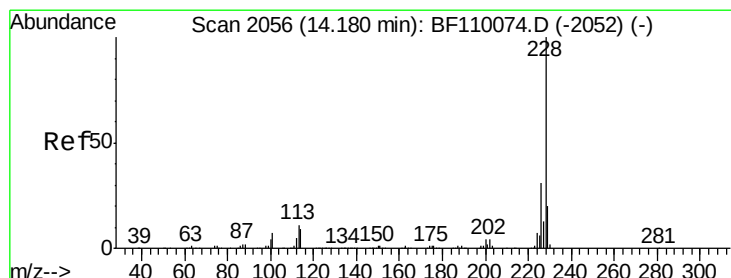
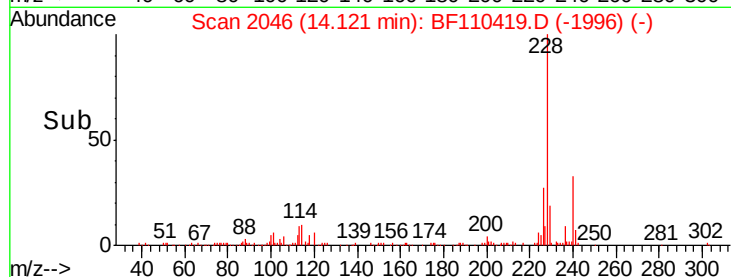
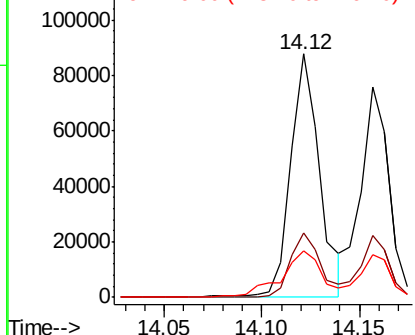
#81
Benzo(a)anthracene
Concen: 8.707 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 90629
Ion Ratio Lower Upper
228 100
226 26.6 22.1 33.1
229 19.3 15.6 23.4

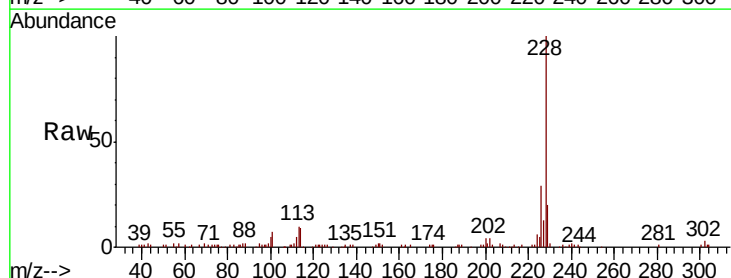


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

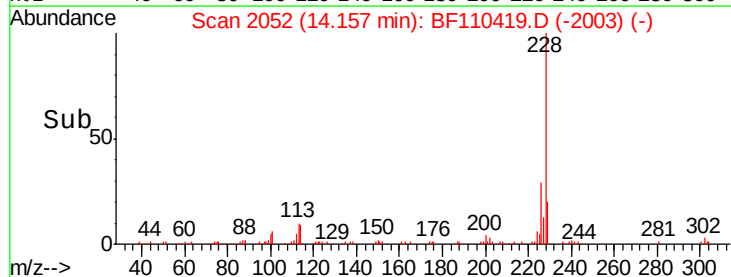
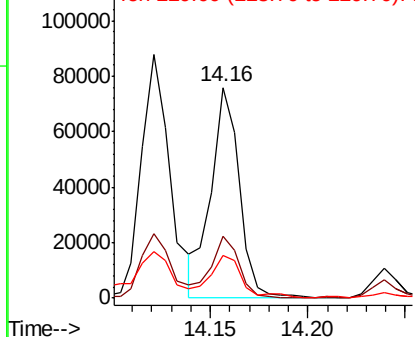


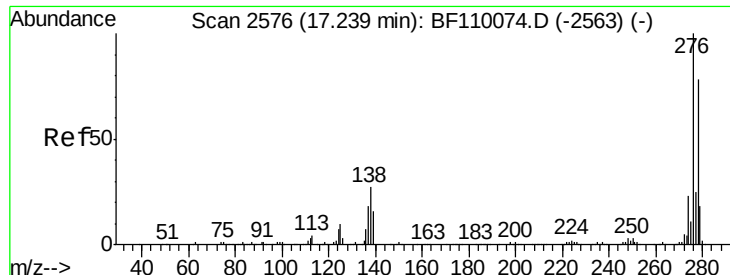
#83
Chrysene
Concen: 7.813 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion:228 Resp: 77238
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 20.4 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

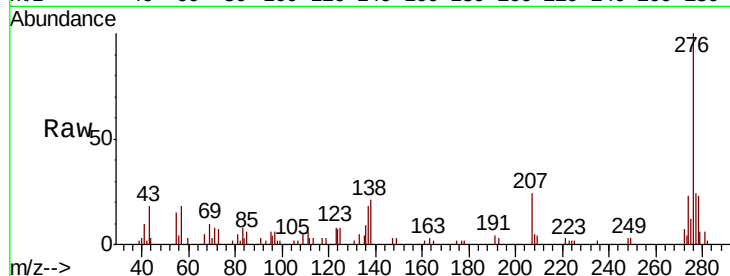




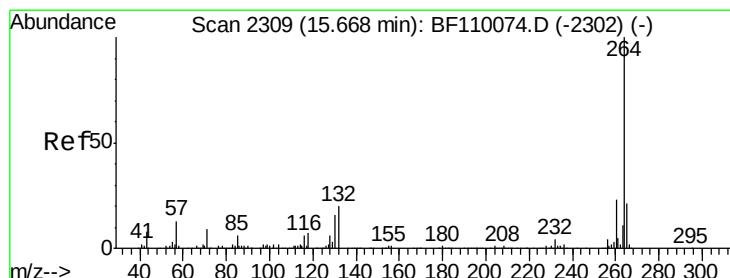
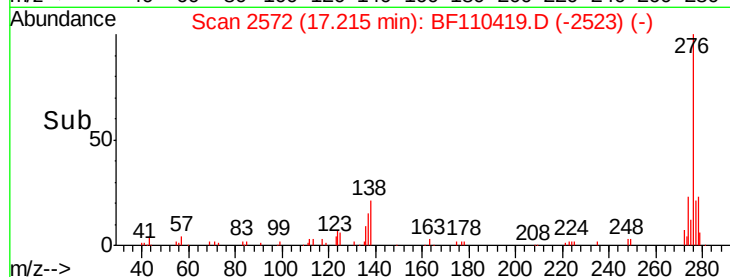
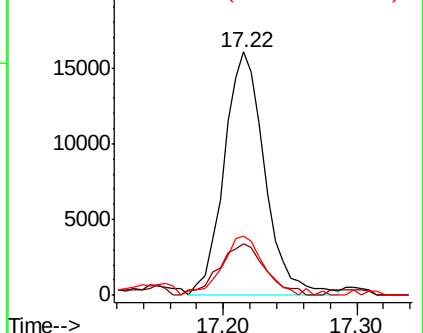
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.168 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 34181
Ion Ratio Lower Upper
276 100
138 24.0 18.5 27.7
277 24.6 20.0 30.0

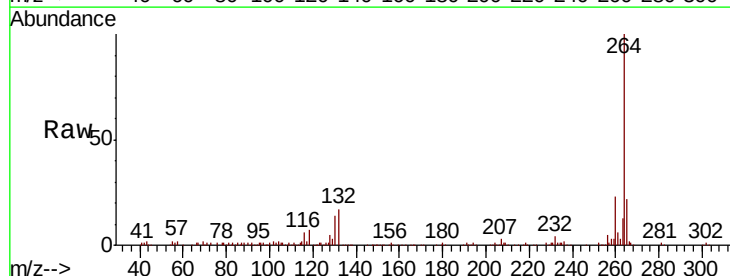


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

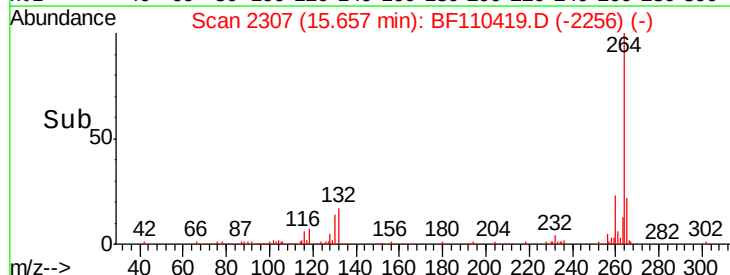
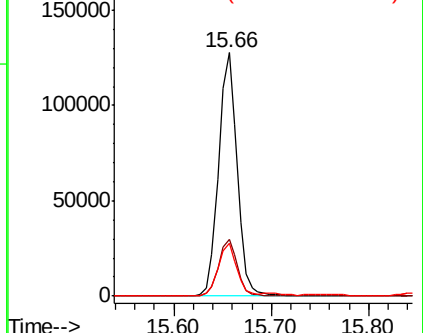


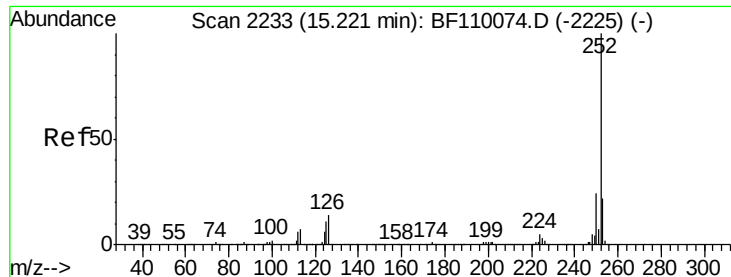
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion:264 Resp: 169169
Ion Ratio Lower Upper
264 100
260 23.2 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

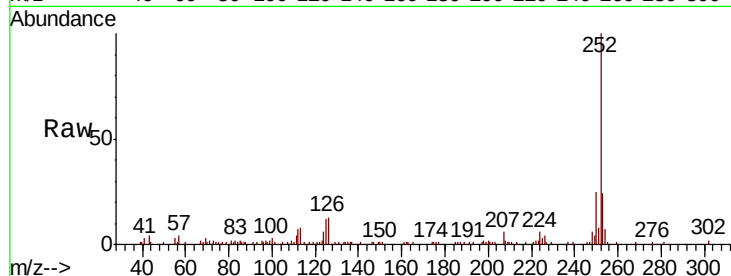




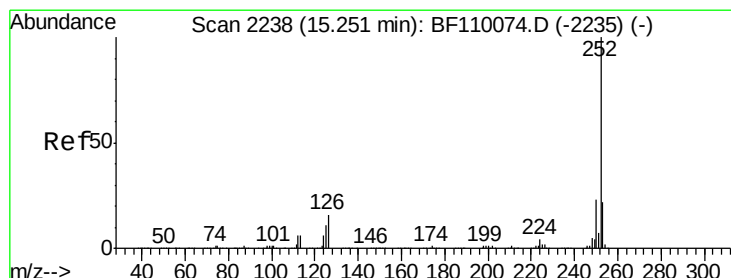
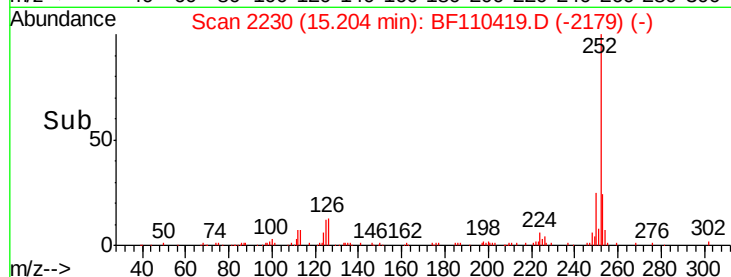
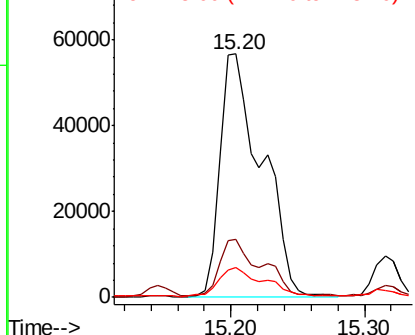
#88
Benzo(b)fluoranthene
Concen: 12.759 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.3	8.2	12.4

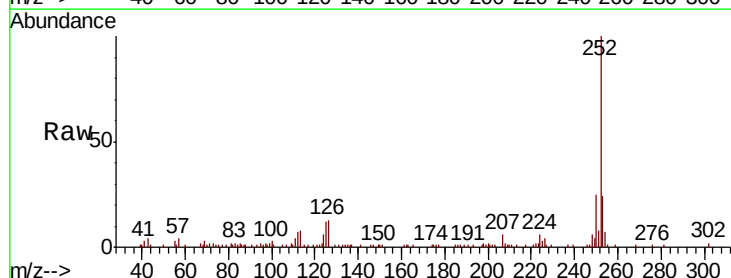


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

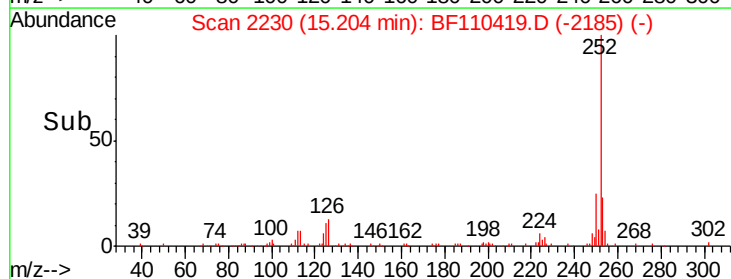
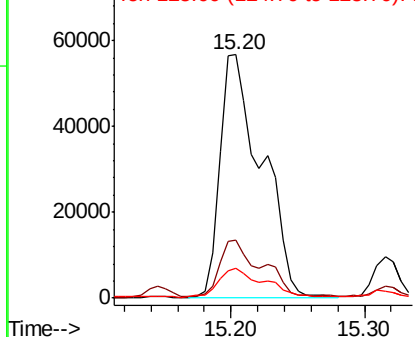


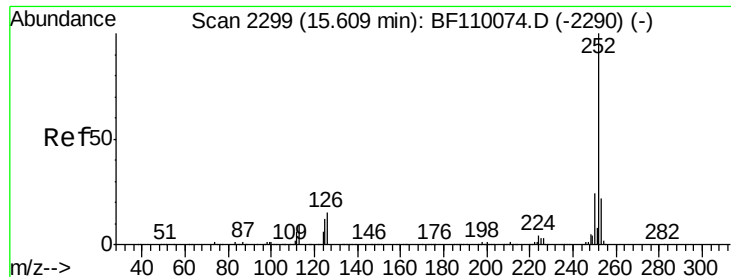
#89
Benzo(k)fluoranthene
Concen: 12.978 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110419.D
Acq: 2 Nov 2018 18:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	12.3	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





#90

Benzo(a)pyrene

Concen: 7.277 ng

RT: 15.59 min Scan# 2295

Delta R.T. -0.01 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

Instrument :

BNA_F

ClientSampleId :

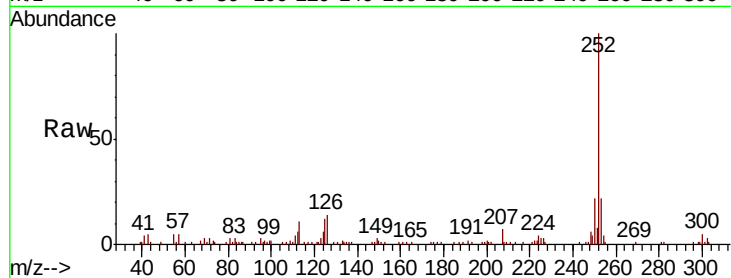
Tot Ion:252 Resp: 65416

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

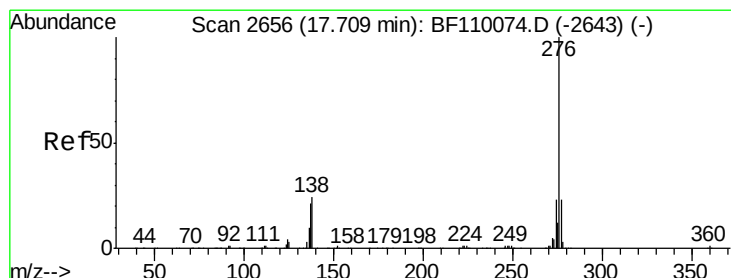
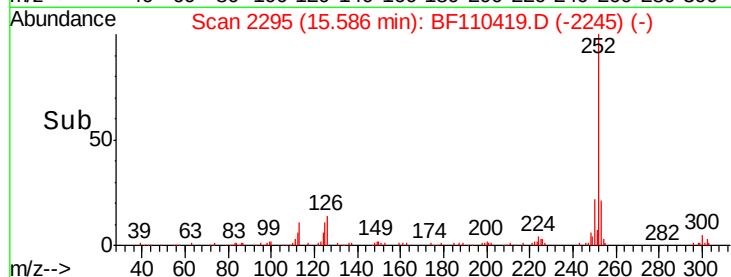
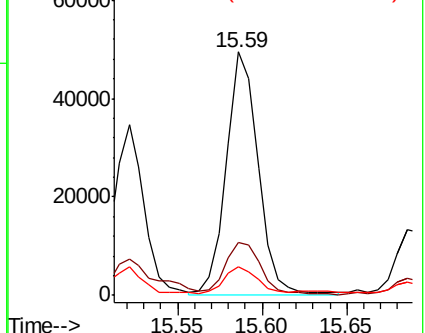
125 11.8 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.830 ng

RT: 17.69 min Scan# 2653

Delta R.T. -0.01 min

Lab File: BF110419.D

Acq: 2 Nov 2018 18:38

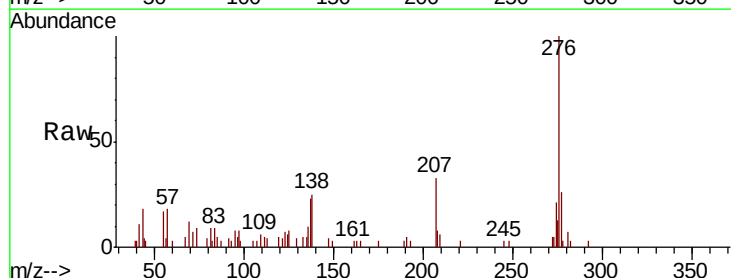
Tgt Ion:276 Resp: 29272

Ion Ratio Lower Upper

276 100

277 25.9 18.8 28.2

138 24.5 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

