

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110429.D
 Acq On : 2 Nov 2018 23:15
 Operator : JU/SJ
 Sample : J5769-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:53:07 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	82958	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	314686	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	124849	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	201631	20.00	ng	0.00
76) Chrysene-d12	14.13	240	151985	20.00	ng	0.00
87) Perylene-d12	15.66	264	114425	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	193156	37.92	ng	0.00
7) Phenol-d6	6.57	99	241752	37.10	ng	0.00
23) Nitrobenzene-d5	7.52	82	141667	26.70	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	40313	32.60	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	247615	31.14	ng	0.00
79) Terphenyl-d14	13.07	244	193037	26.41	ng	0.00

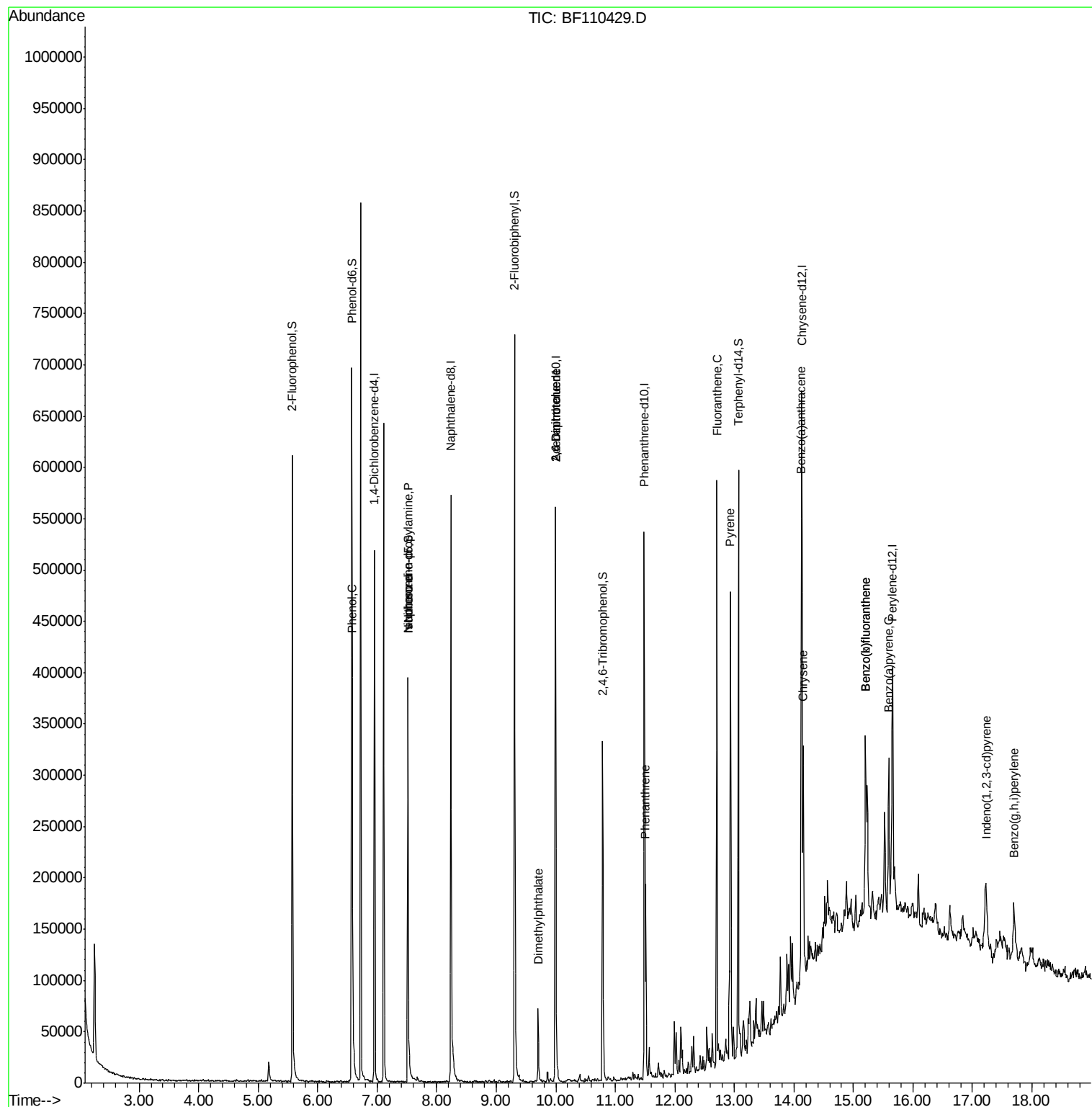
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	304	Below Cal		# 1
10) Phenol	6.59	94	14854	2.133	ng	# 77
19) n-Nitroso-di-n-propylamine	7.52	70	17552	4.199	ng	# 81
25) Isophorone	7.52	82	141665	15.664	ng	# 67
50) Dimethylphthalate	9.70	163	35803	3.885	ng	# 98
51) 2,6-Dinitrotoluene	10.00	165	15461	7.788	ng	# 21
57) 2,4-Dinitrotoluene	10.00	165	15461	6.132	ng	# 17
71) Phenanthrene	11.51	178	70085	6.643	ng	98
75) Fluoranthene	12.70	202	214227	20.008	ng	99
77) Benzidine	13.06	184	2649	Below Cal		96
78) Pyrene	12.93	202	192566	17.673	ng	98
81) Benzo(a)anthracene	14.12	228	92262	10.237	ng	97
83) Chrysene	14.16	228	92077	10.756	ng	99
86) Indeno(1,2,3-cd)pyrene	17.22	276	41022	5.776	ng	# 94
88) Benzo(b)fluoranthene	15.20	252	136553	20.666	ng	95
89) Benzo(k)fluoranthene	15.20	252	136553	21.021	ng	# 94
90) Benzo(a)pyrene	15.59	252	65394	10.755	ng	97
92) Benzo(g,h,i)perylene	17.70	276	45989	8.896	ng	# 91

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

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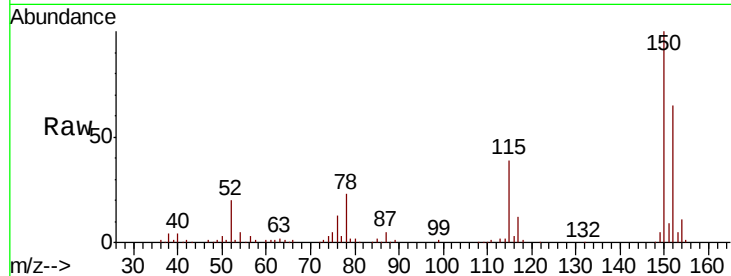


#1

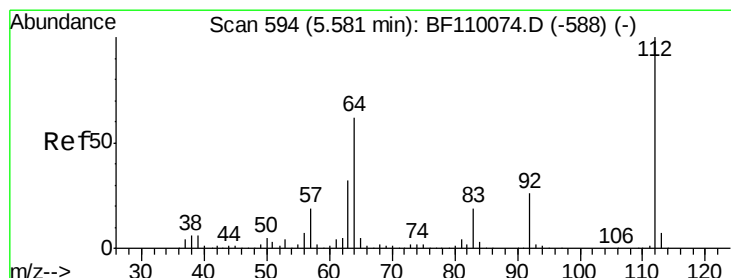
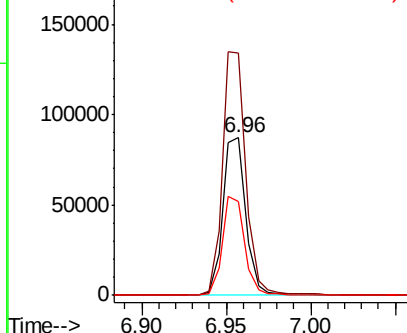
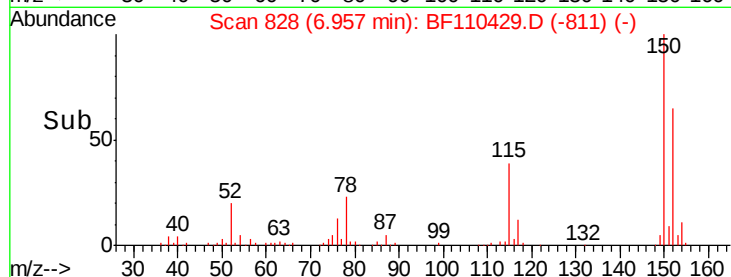
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 82958
Ion Ratio Lower Upper
152 100
150 154.4 122.7 184.1
115 59.6 49.1 73.7



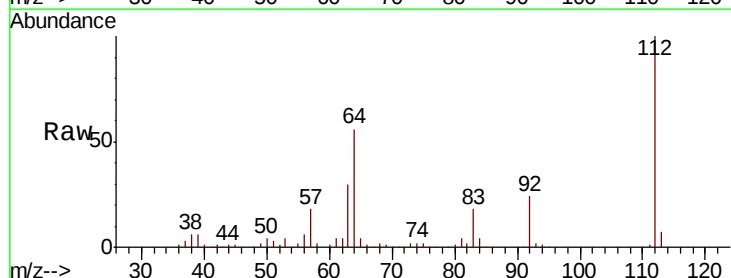
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



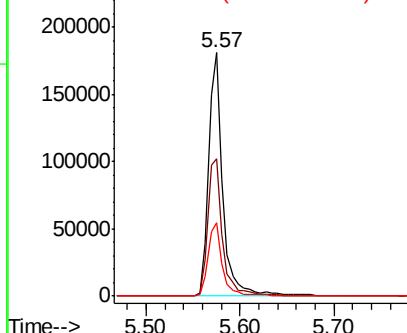
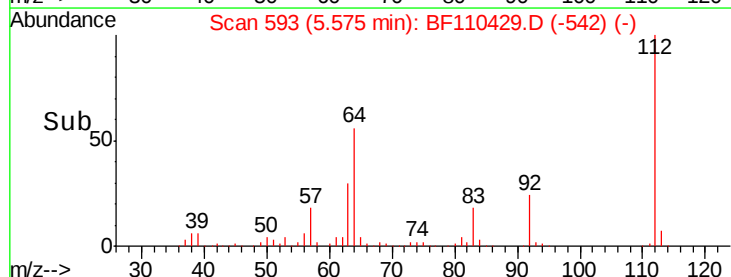
#5

2-Fluorophenol
Concen: 37.916 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion:112 Resp: 193156
Ion Ratio Lower Upper
112 100
64 56.2 44.1 66.1
63 30.1 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: 37.101 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

Instrument :

BNA_F

ClientSampleId :

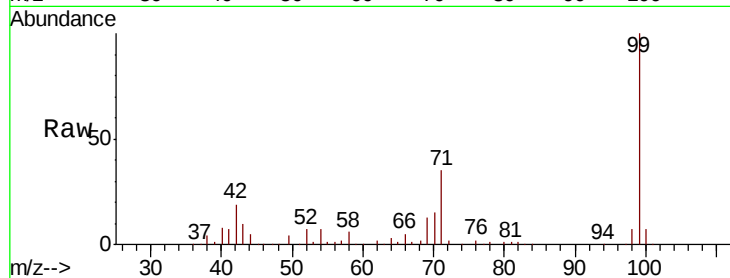
Tot Ion: 99 Resp: 241752

Ion Ratio Lower Upper

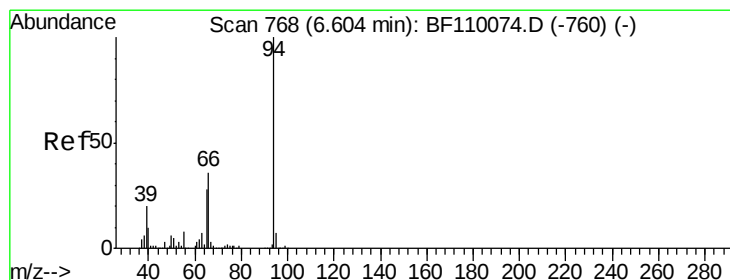
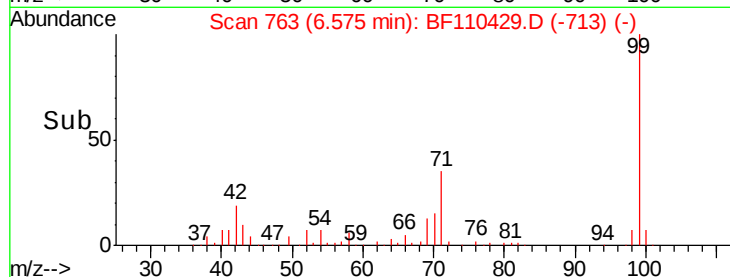
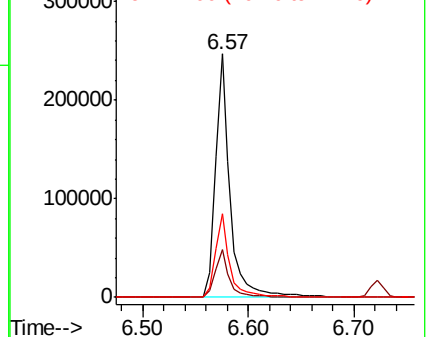
99 100

42 19.5 15.8 23.6

71 34.6 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: 2.133 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

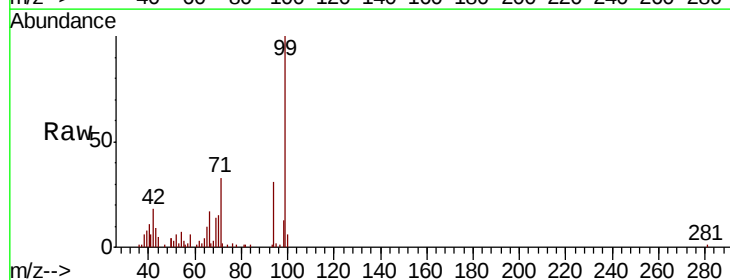
Tgt Ion: 94 Resp: 14854

Ion Ratio Lower Upper

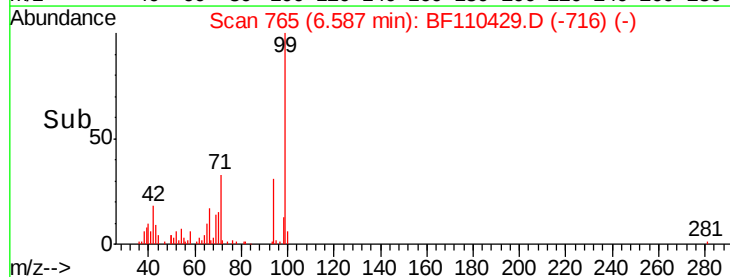
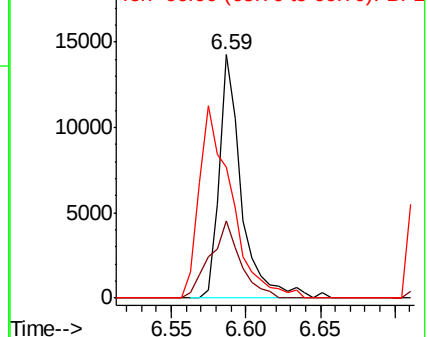
94 100

65 31.6 25.3 65.3

66 53.8 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

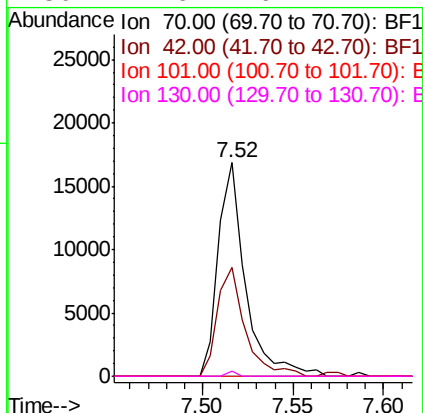
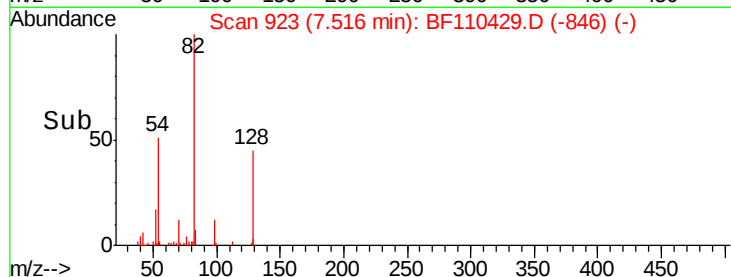
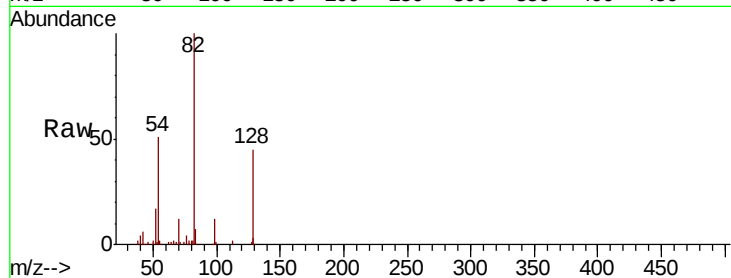




#19
n-Nitroso-di-n-propylamine
Concen: 4.199 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

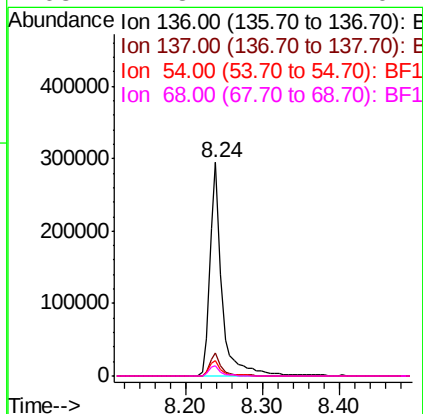
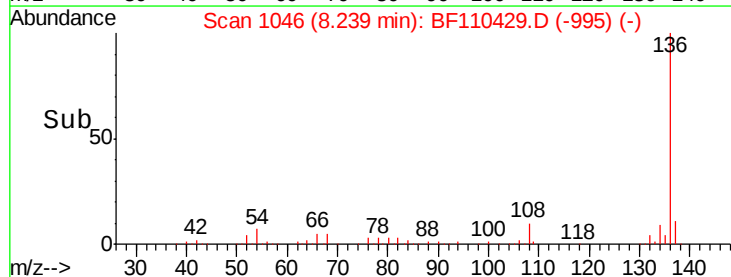
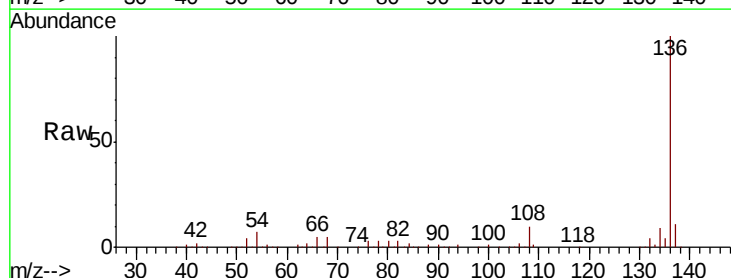
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 17552
Ion Ratio Lower Upper
70 100
42 50.8 47.4 71.2
101 0.0 7.3 10.9#
130 2.6 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion: 136 Resp: 314686
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.4 5.4 8.2
68 4.8 4.2 6.2

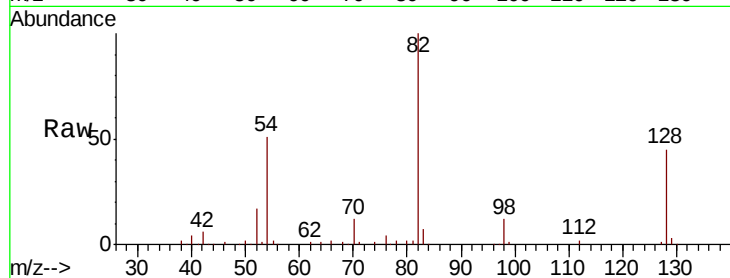




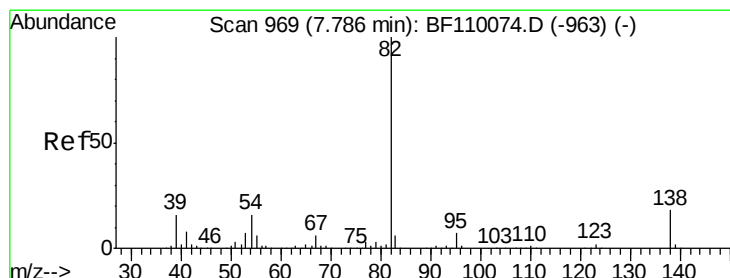
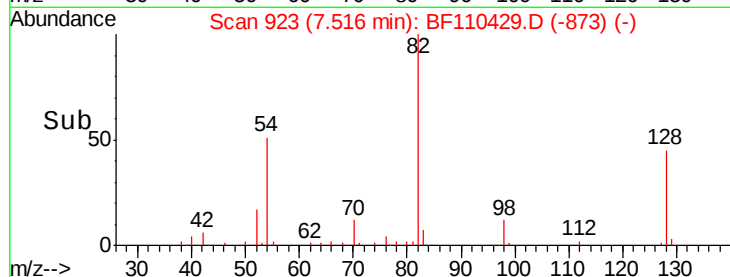
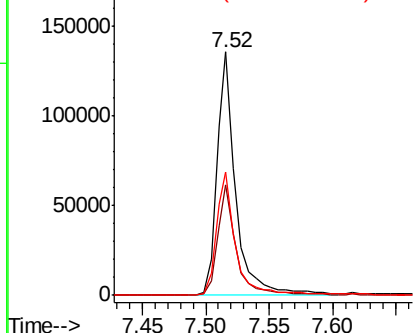
#23
Nitrobenzene-d5
Concen: 26.702 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	141667
Ion Ratio	100	Lower	Upper
128	45.3	34.2	51.2
54	50.9	38.6	58.0

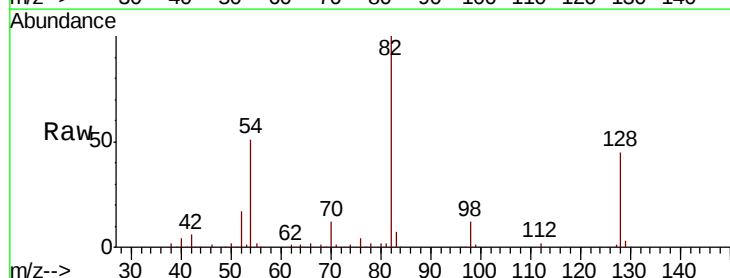


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

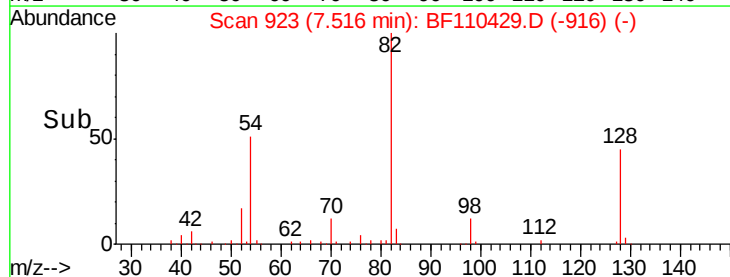
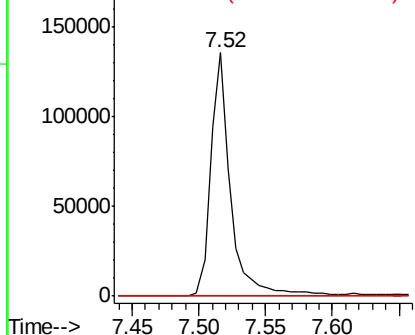


#25
Isophorone
Concen: 15.664 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion	82	Resp	141665
Ion Ratio	100	Lower	Upper
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: BF110429.D

Acq: 2 Nov 2018 23:15

Instrument :

BNA_F

ClientSampleId :

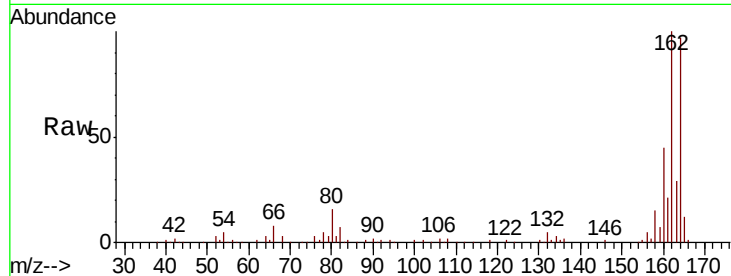
Tot Ion:164 Resp: 124849

Ion Ratio Lower Upper

164 100

162 102.8 83.0 124.6

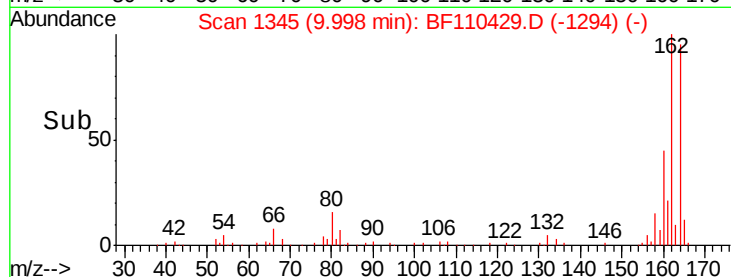
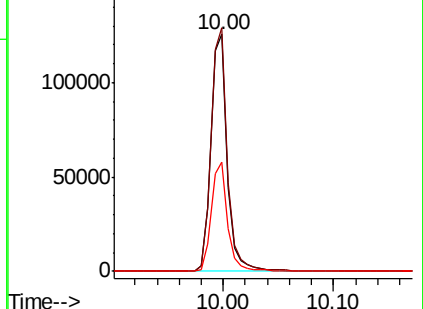
160 46.1 37.0 55.6



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: 32.597 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

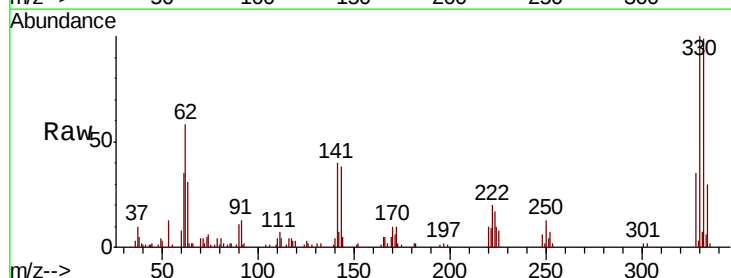
Tgt Ion:330 Resp: 40313

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

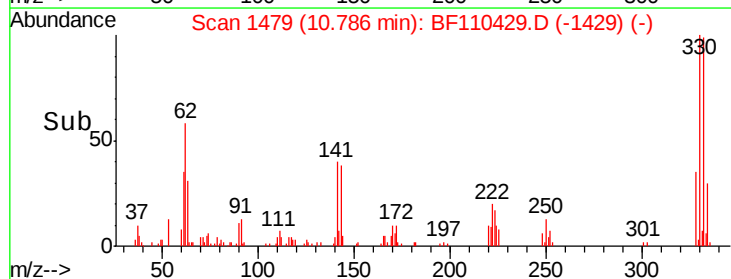
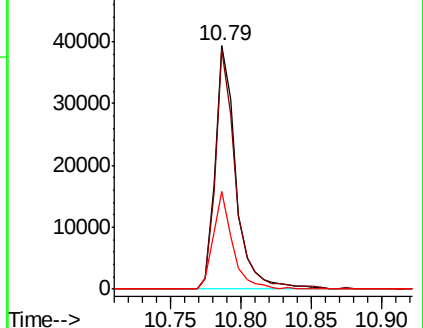
141 37.3 27.0 40.4



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

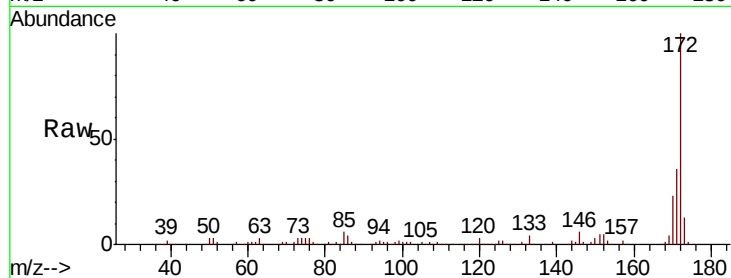




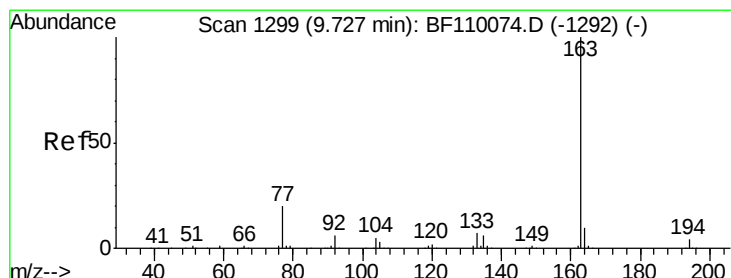
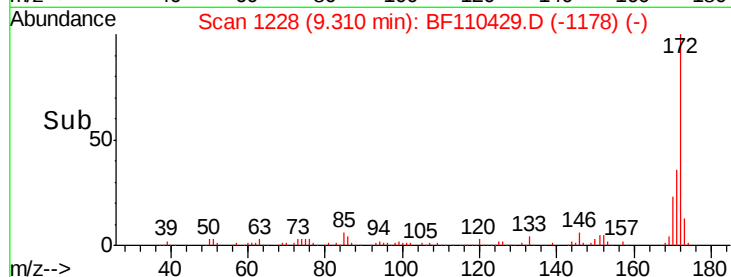
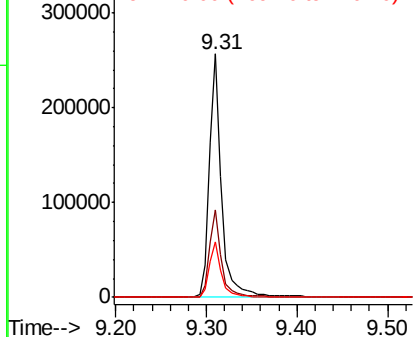
#45
2-Fluorobiphenyl
Concen: 31.143 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 247615
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 22.9 19.7 29.5

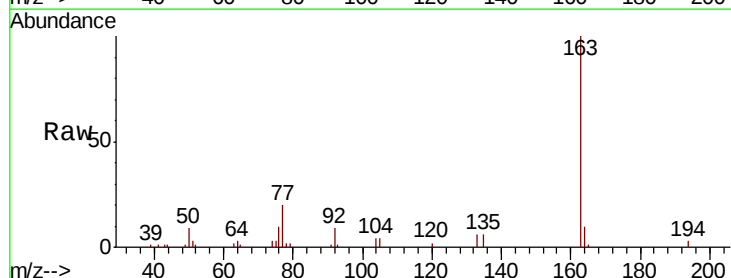


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

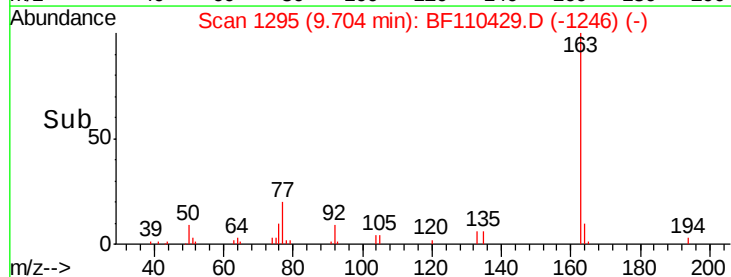
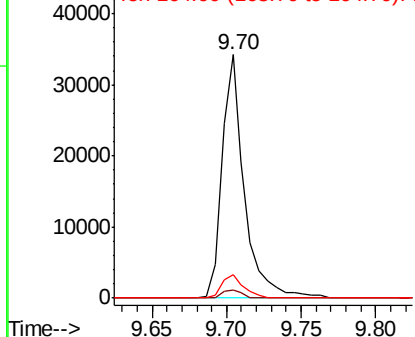


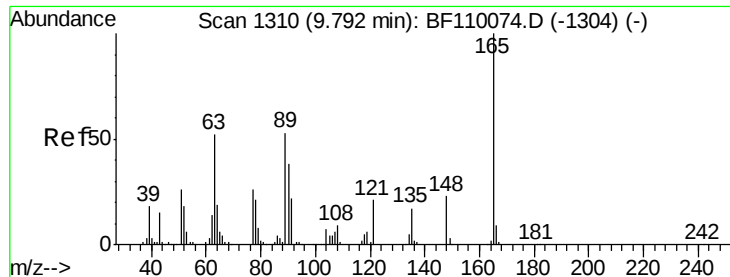
#50
Dimethylphthalate
Concen: 3.885 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion:163 Resp: 35803
Ion Ratio Lower Upper
163 100
194 3.1 3.2 4.8#
164 9.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 7.788 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.22 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

Instrument :

BNA_F

ClientSampleId :

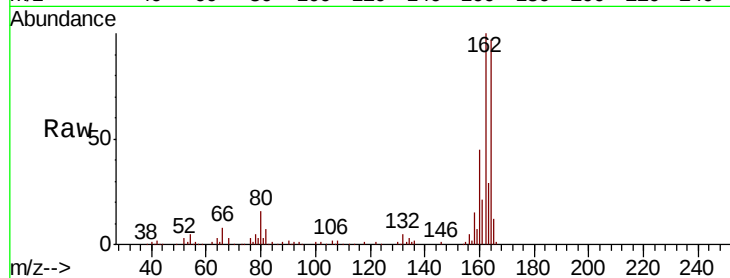
Tot Ion:165 Resp: 15461

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

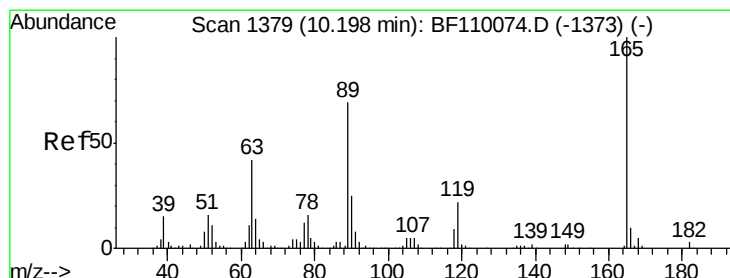
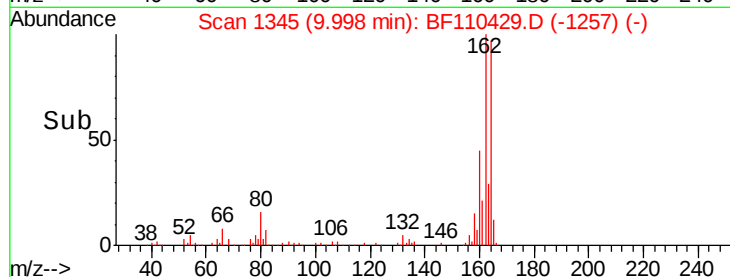
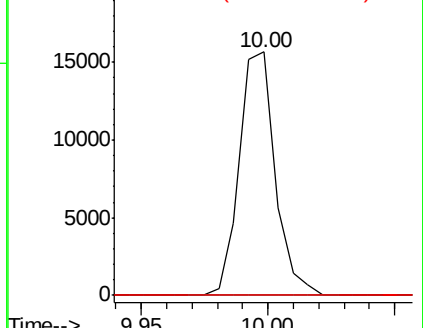
89 0.0 46.6 69.8#



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



#57

2,4-Dinitrotoluene

Concen: 6.132 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.19 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

Tgt Ion:165 Resp: 15461

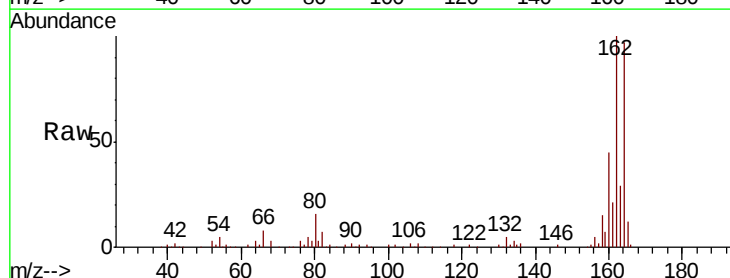
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 0.0 62.2 93.4#

182 0.0 2.1 3.1#

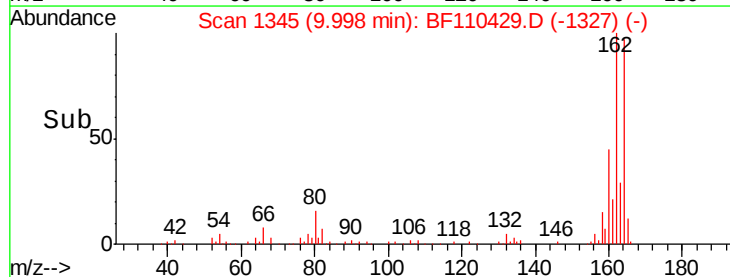
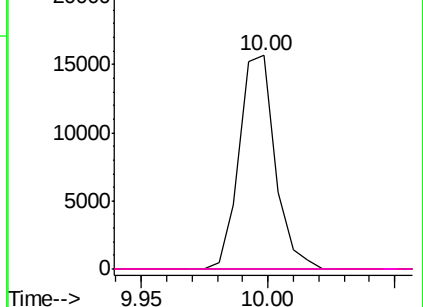


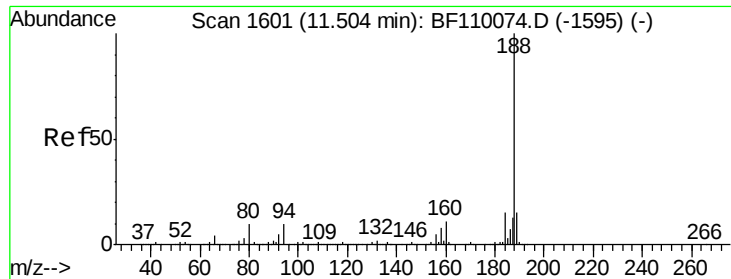
Abundance Ion 165.00 (164.70 to 165.70): E

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

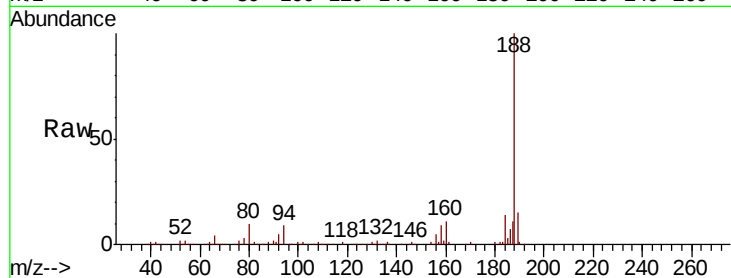




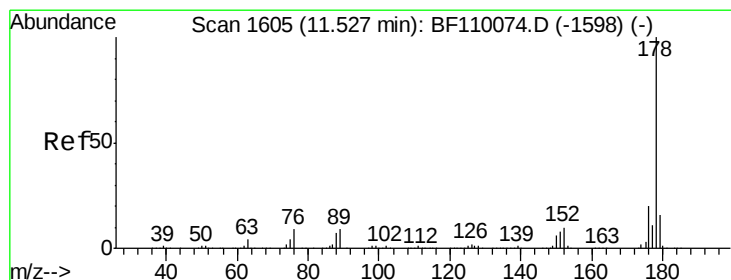
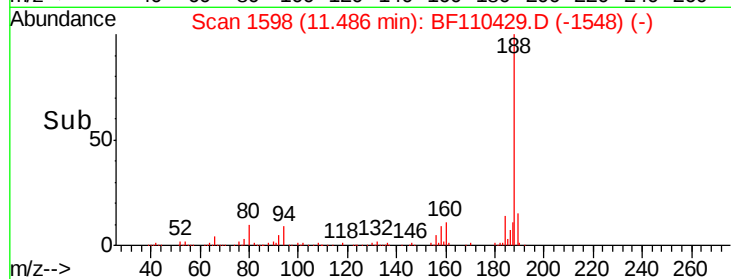
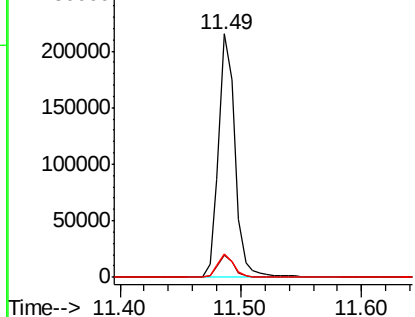
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 201631
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.7 7.9 11.9

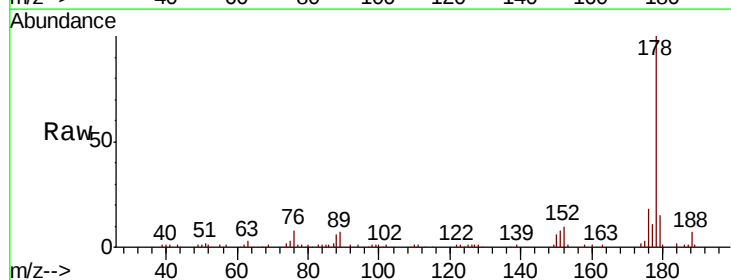


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

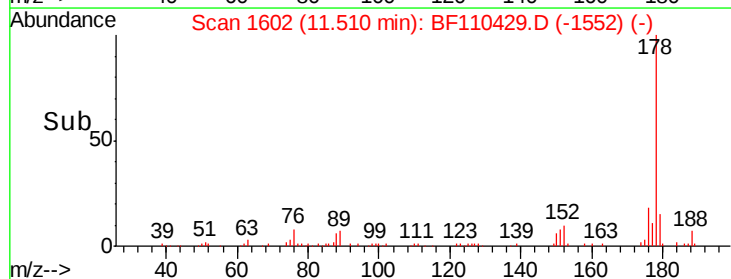
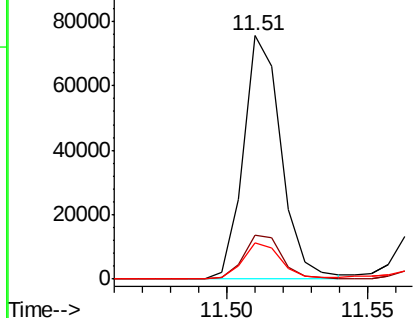


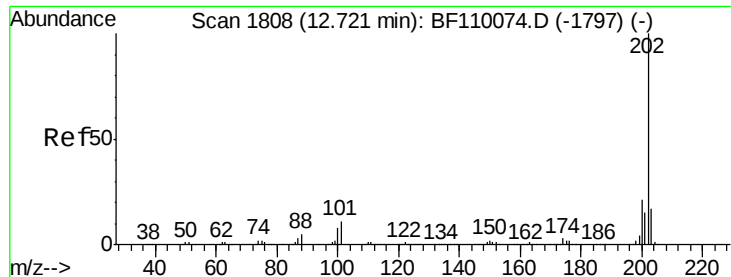
#71
Phenanthrene
Concen: 6.643 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion:178 Resp: 70085
Ion Ratio Lower Upper
178 100
176 18.2 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: 20.008 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110429.D

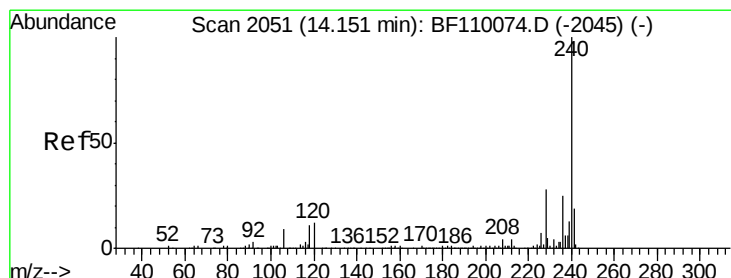
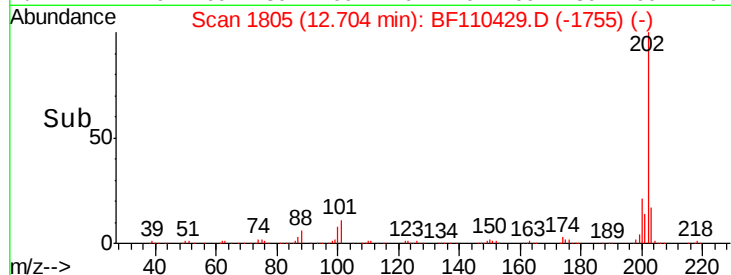
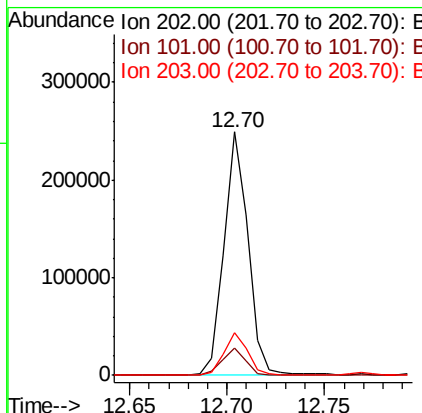
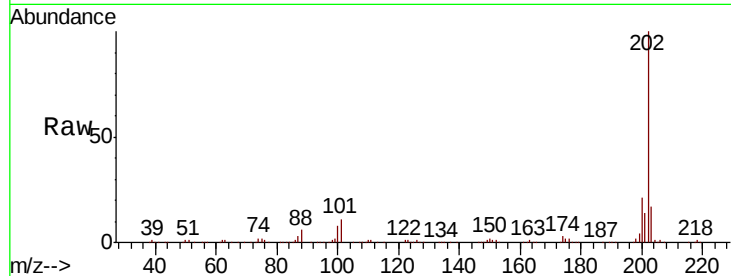
Acq: 2 Nov 2018 23:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	214227
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.4	0.0	37.7



#76

Chrysene-d12

Concen: 20.000 ng

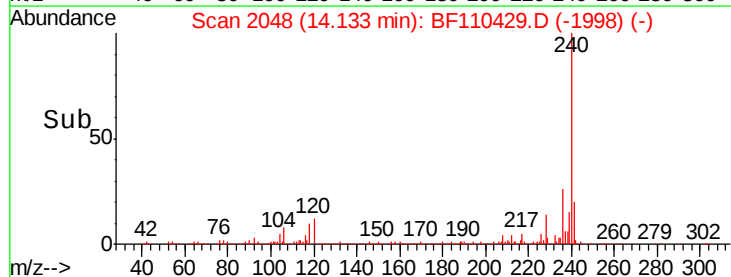
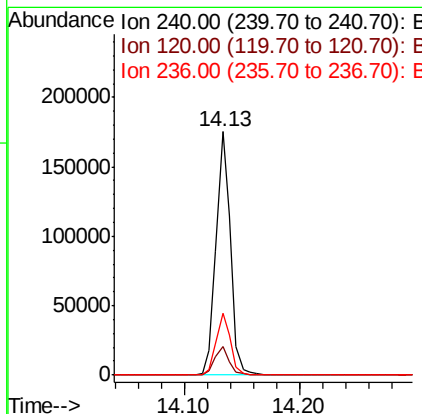
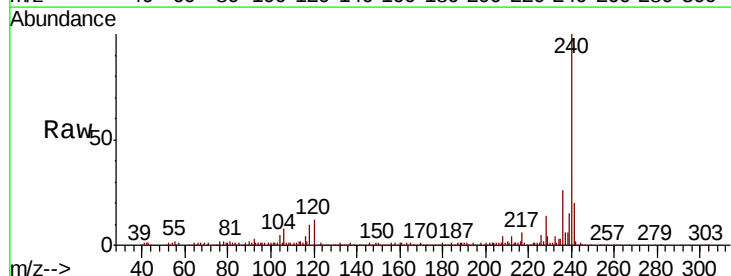
RT: 14.13 min Scan# 2048

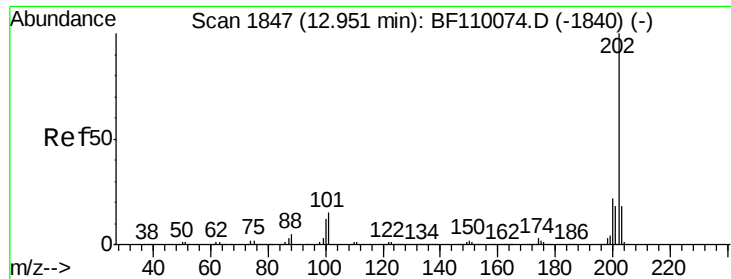
Delta R.T. -0.01 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

Tgt Ion:	240	Resp:	151985
Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.3	12.5
236	25.5	21.2	31.8

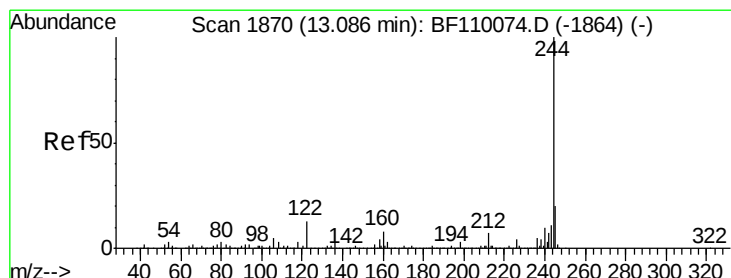
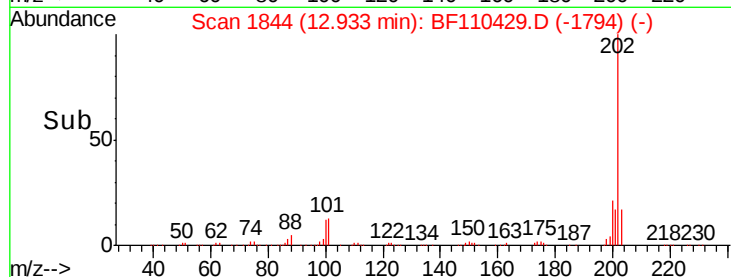
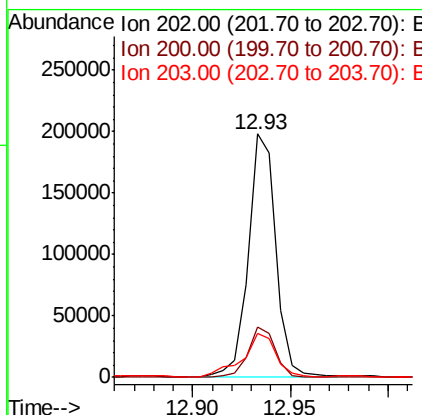
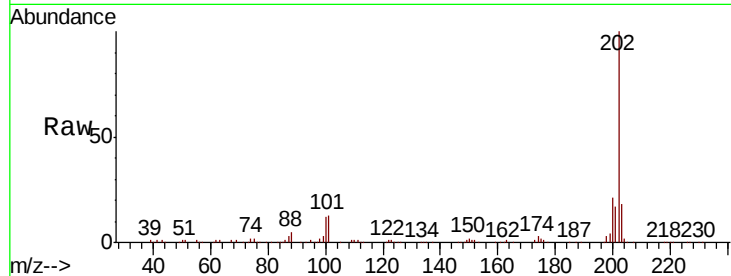




#78
Pvrene
Concen: 17.673 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

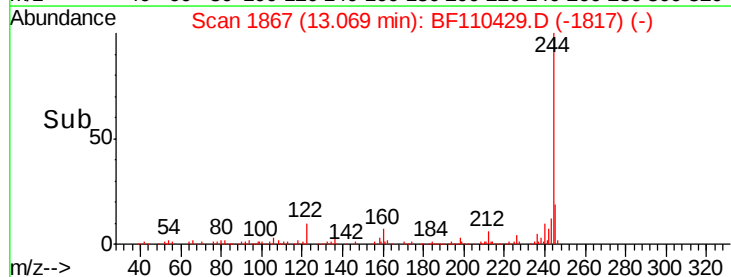
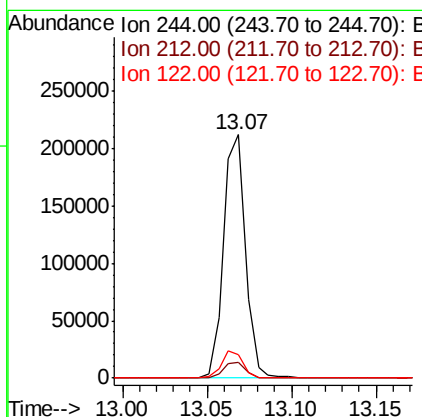
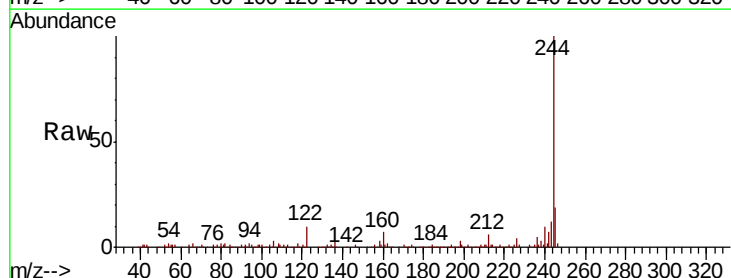
Instrument :
BNA_F
ClientSampleId :

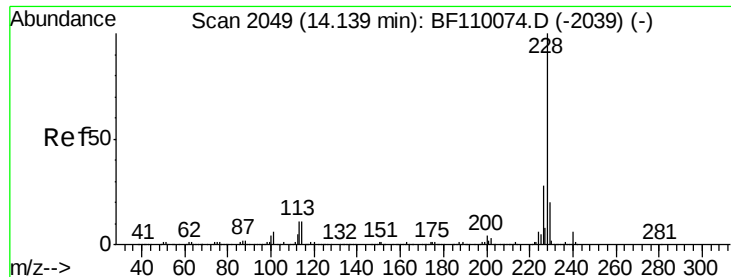
Tot Ion:202 Resp: 192566
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 17.8 14.2 21.4



#79
Terphenyl-d14
Concen: 26.415 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion:244 Resp: 193037
Ion Ratio Lower Upper
244 100
212 6.4 5.8 8.8
122 9.8 8.7 13.1

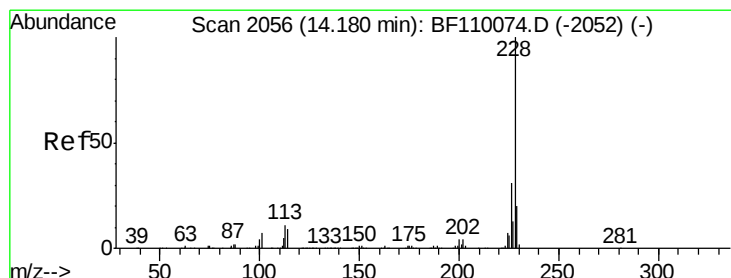
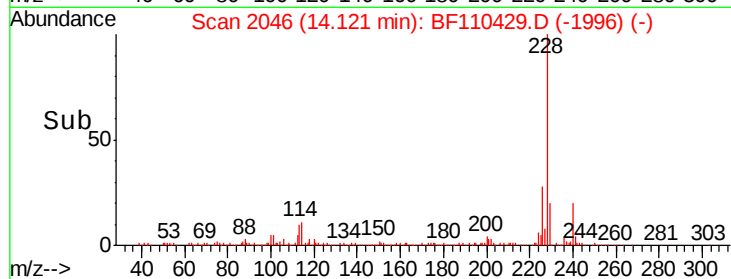
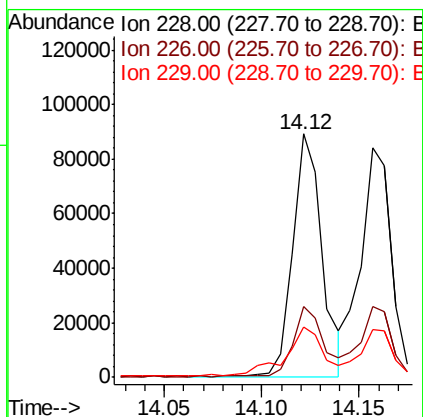
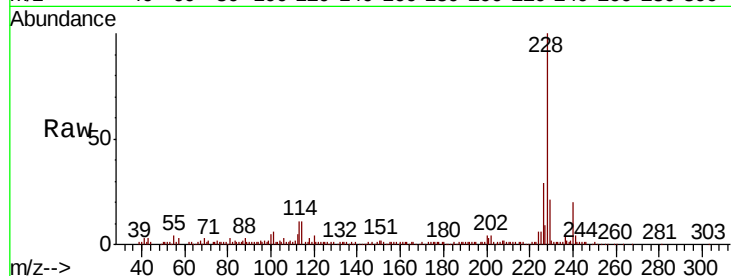




#81
Benzo(a)anthracene
Concen: 10.237 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

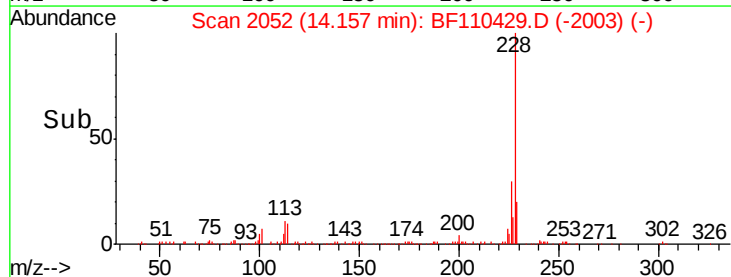
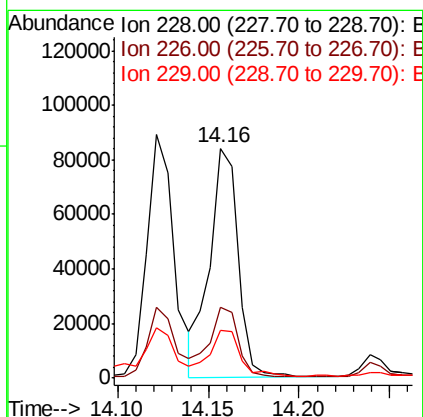
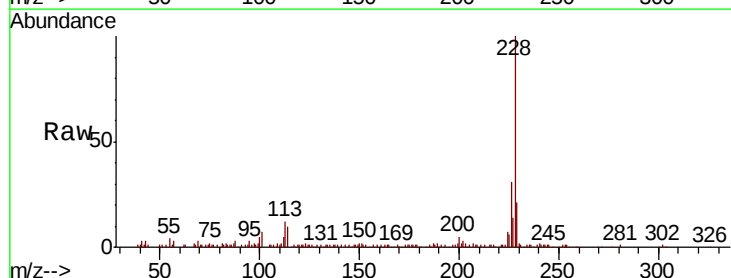
Instrument :
BNA_F
ClientSampled :

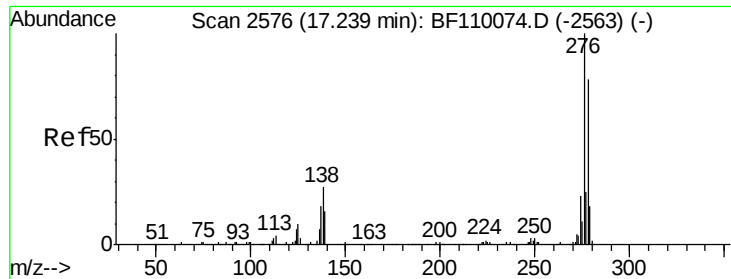
Tot Ion:228 Resp: 92262
Ion Ratio Lower Upper
228 100
226 28.9 22.1 33.1
229 20.8 15.6 23.4



#83
Chrysene
Concen: 10.756 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion:228 Resp: 92077
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 20.8 15.9 23.9

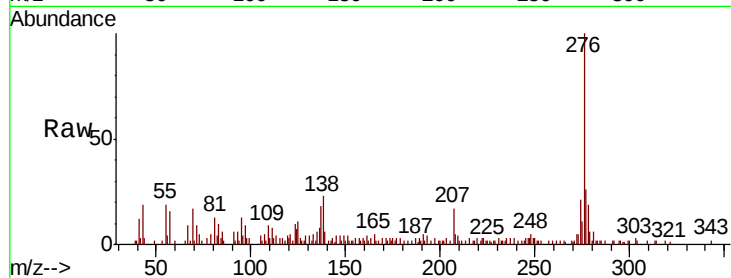




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.776 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110429.D
 Acq: 2 Nov 2018 23:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.5	27.7
277	30.3	20.0	30.0#

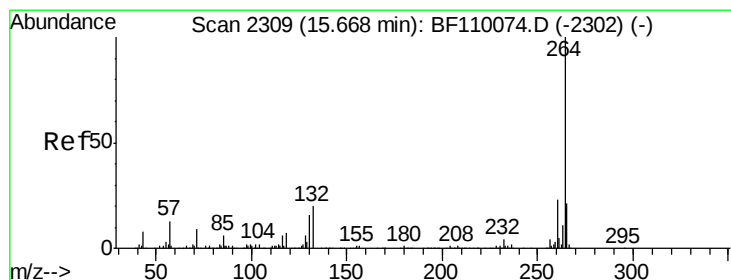
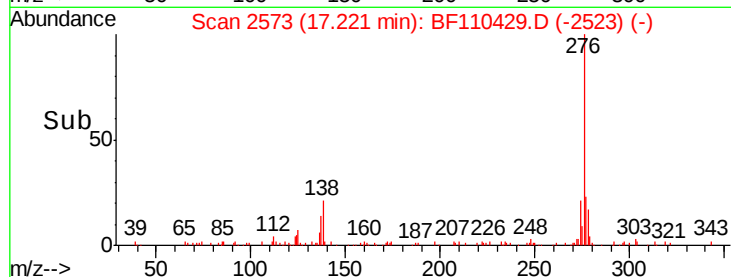
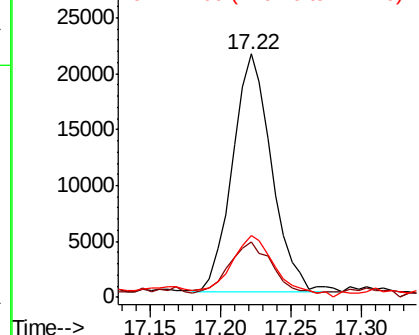


Abundance

Ion 276.00 (275.70 to 276.70): E

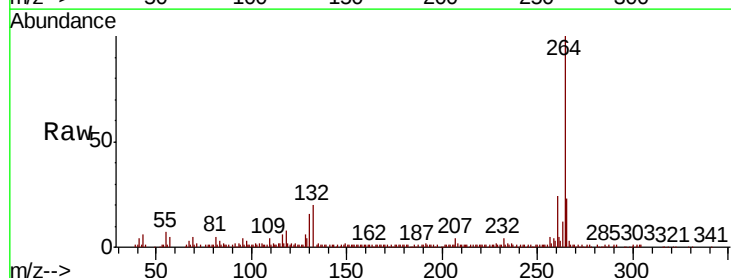
Ion 138.00 (137.70 to 138.70): E

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: BF110429.D
 Acq: 2 Nov 2018 23:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.6	16.7	25.1

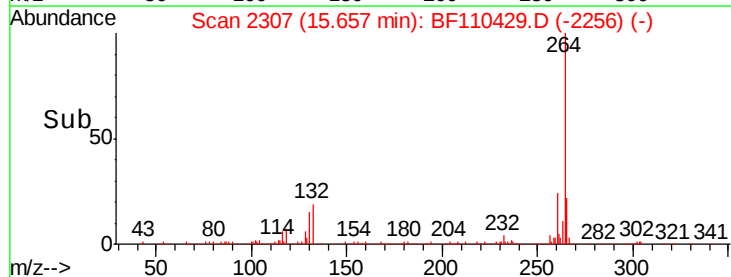
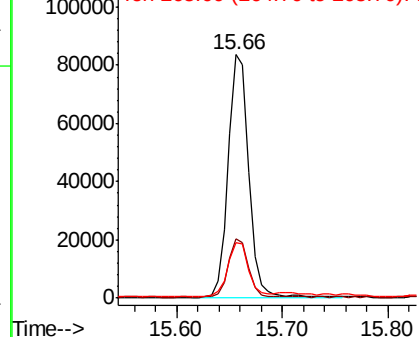


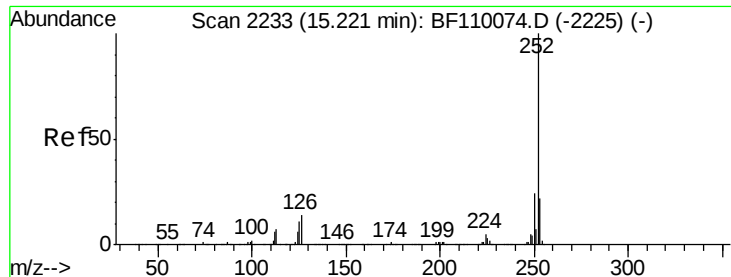
Abundance

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

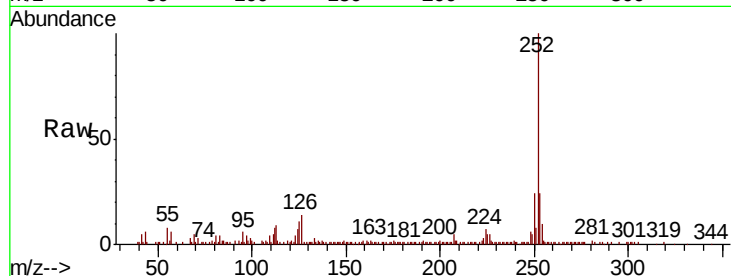




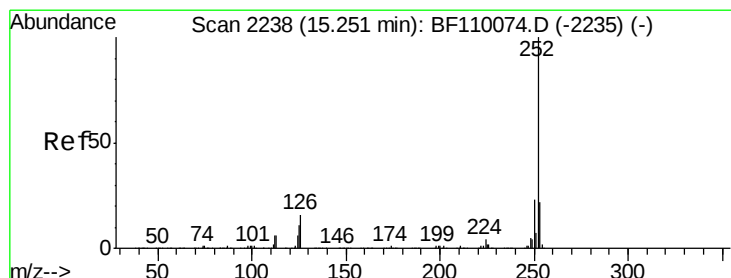
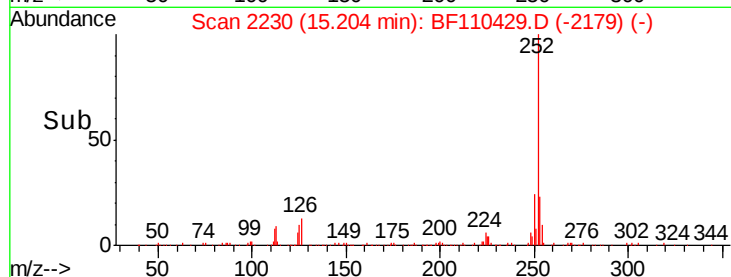
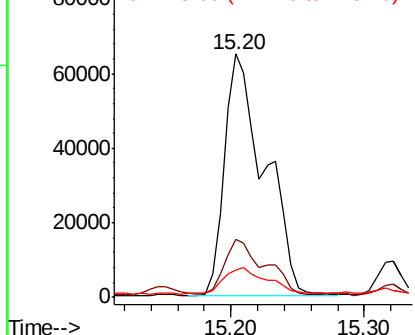
#88
Benzo(b)fluoranthene
Concen: 20.666 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 136553
Ion Ratio Lower Upper
252 100
253 24.0 17.2 25.8
125 11.4 8.2 12.4

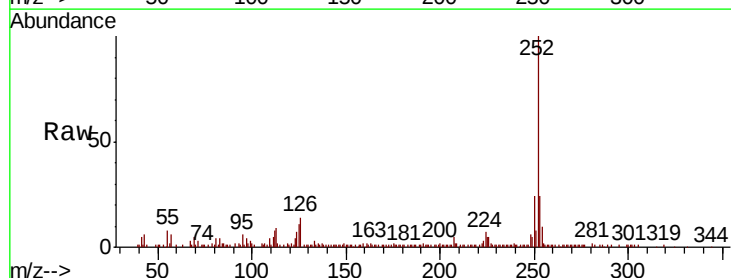


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

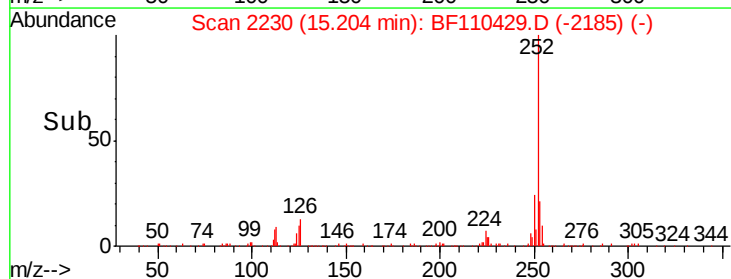
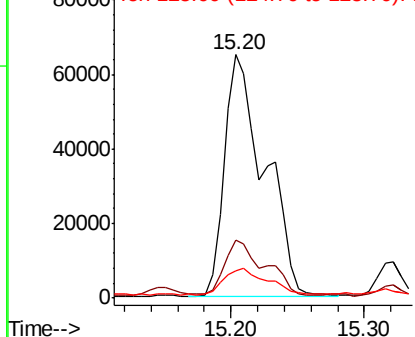


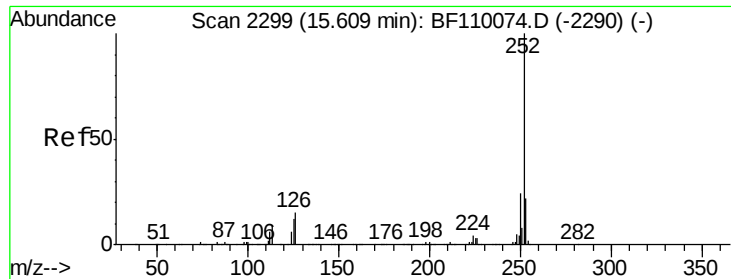
#89
Benzo(k)fluoranthene
Concen: 21.021 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110429.D
Acq: 2 Nov 2018 23:15

Tgt Ion:252 Resp: 136553
Ion Ratio Lower Upper
252 100
253 24.0 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: 10.755 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.00 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

Instrument :

BNA_F

ClientSampleId :

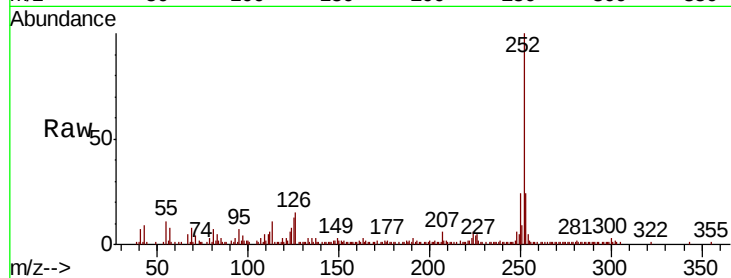
Tot Ion:252 Resp: 65394

Ion Ratio Lower Upper

252 100

253 24.4 18.2 27.4

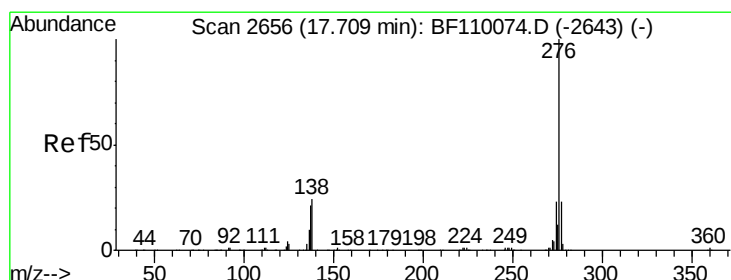
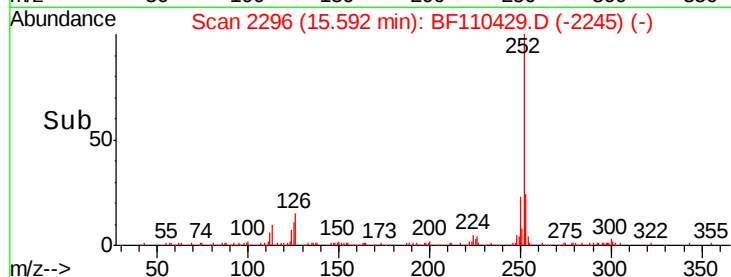
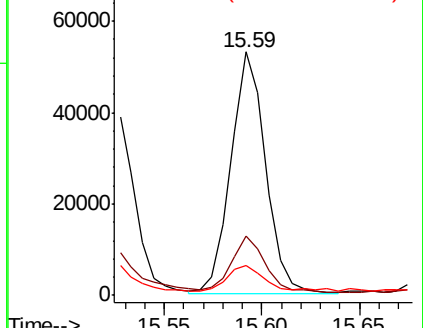
125 12.5 9.0 13.6



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: 8.896 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BF110429.D

Acq: 2 Nov 2018 23:15

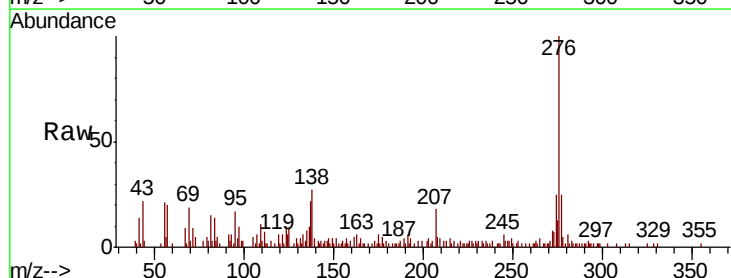
Tgt Ion:276 Resp: 45989

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 27.1 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

