

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
 Data File : BF110731.D
 Acq On : 13 Nov 2018 20:49
 Operator : JU/SJ
 Sample : J5908-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-3-S

Quant Time: Nov 14 04:30:24 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	95185	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	385555	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	155096	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	226156	20.00	ng	0.00
76) Chrysene-d12	14.13	240	190127	20.00	ng	-0.01
87) Perylene-d12	15.66	264	147037	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	334022	57.00	ng	0.00
7) Phenol-d6	6.56	99	415059	55.39	ng	-0.01
23) Nitrobenzene-d5	7.50	82	258867	38.67	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	68506	43.84	ng	-0.01
45) 2-Fluorobiphenyl	9.30	172	448510	41.30	ng	0.00
79) Terphenyl-d14	13.06	244	291822	28.74	ng	-0.01

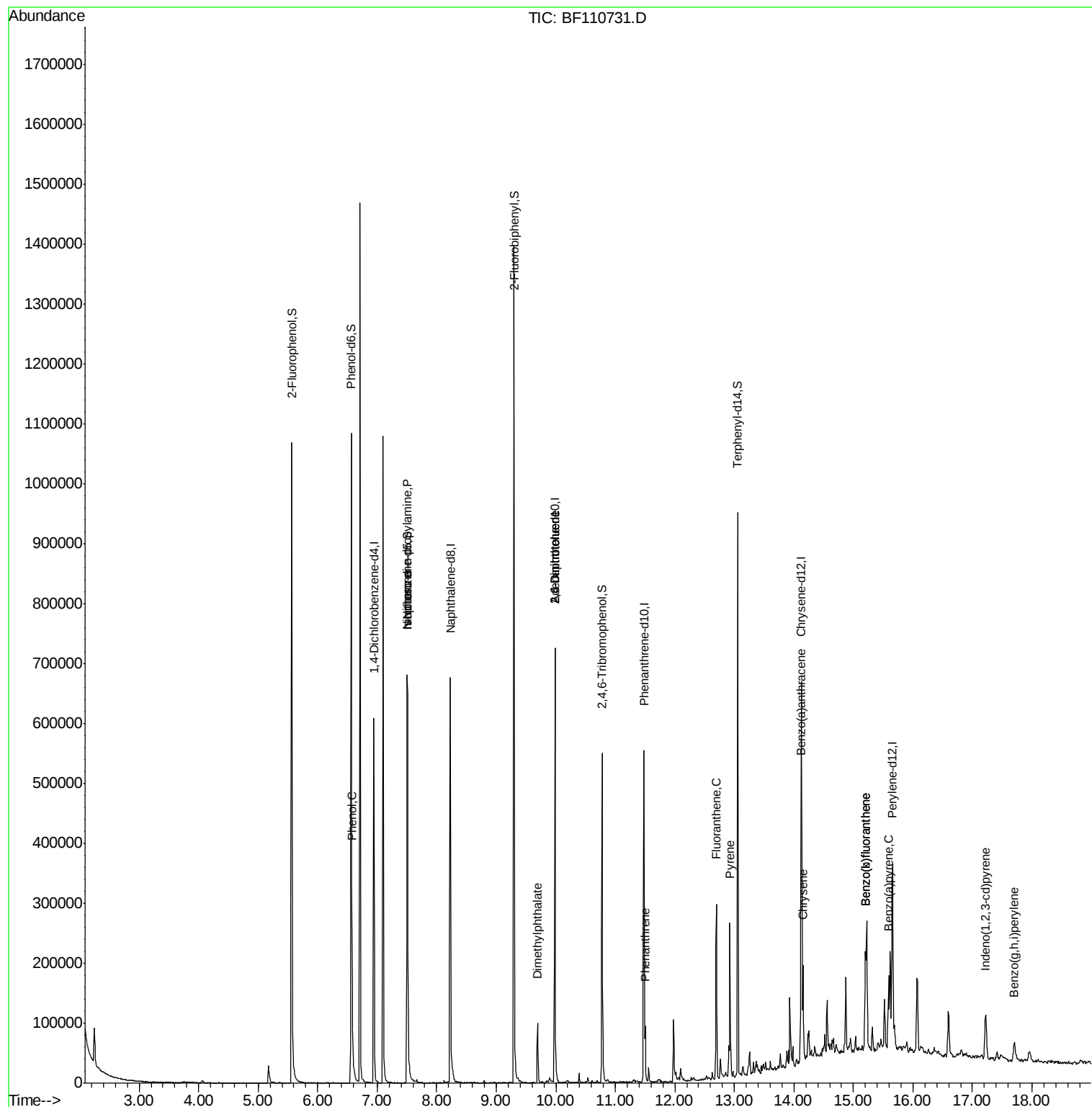
Target Compounds				Qvalue		
9) Benzaldehyde	6.56	77	680	Below Cal	#	1
10) Phenol	6.58	94	19565	2.252 ng	#	72
19) n-Nitroso-di-n-propylamine	7.50	70	33901	7.087 ng	#	81
25) Isophorone	7.50	82	258865	23.591 ng	#	67
50) Dimethylphthalate	9.69	163	47085	4.069 ng		98
51) 2,6-Dinitrotoluene	9.99	165	20276	7.965 ng	#	22
57) 2,4-Dinitrotoluene	9.99	165	20276	6.125 ng	#	18
71) Phenanthrene	11.50	178	36247	2.992 ng		97
75) Fluoranthene	12.70	202	117051	9.636 ng		98
78) Pyrene	12.93	202	105107	7.180 ng		98
81) Benzo(a)anthracene	14.12	228	71819	6.320 ng		99
83) Chrysene	14.16	228	64275	5.937 ng		97
86) Indeno(1,2,3-cd)pyrene	17.22	276	32109	4.133 ng		98
88) Benzo(b)fluoranthene	15.20	252	123366	14.025 ng		98
89) Benzo(k)fluoranthene	15.20	252	123366	14.194 ng	#	97
90) Benzo(a)pyrene	15.59	252	57403	7.183 ng		98
92) Benzo(g,h,i)perylene	17.70	276	28998	4.321 ng		99

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

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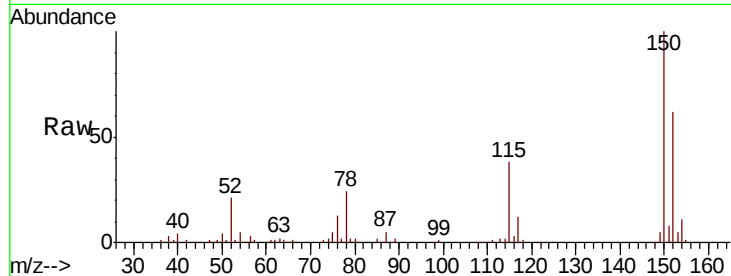




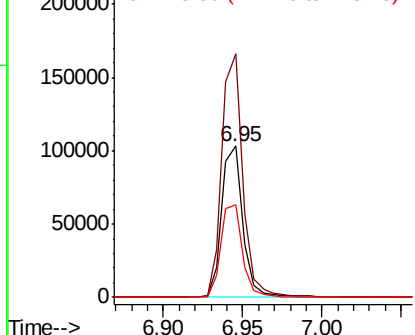
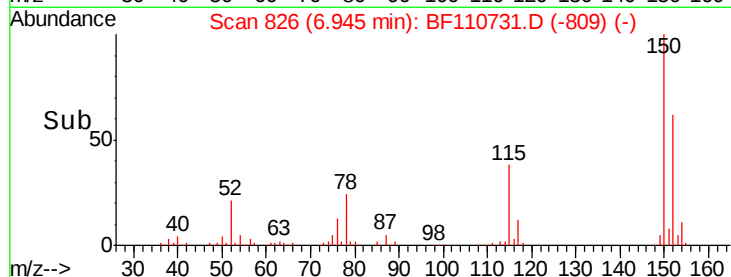
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Instrument :
 BNA_F
 ClientSampleId :
 SR-3-S

Tgt Ion:152 Resp: 95185
 Ion Ratio Lower Upper
 152 100
 150 161.3 122.7 184.1
 115 61.5 49.1 73.7

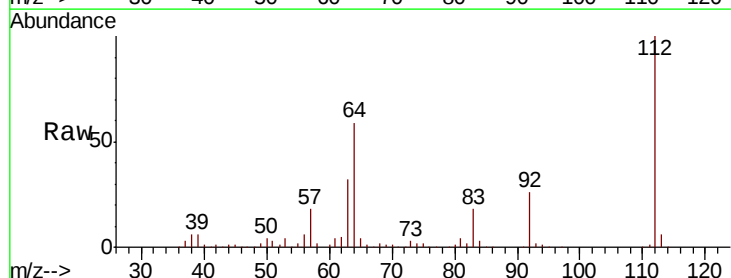


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

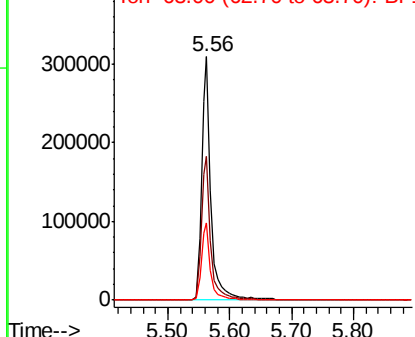
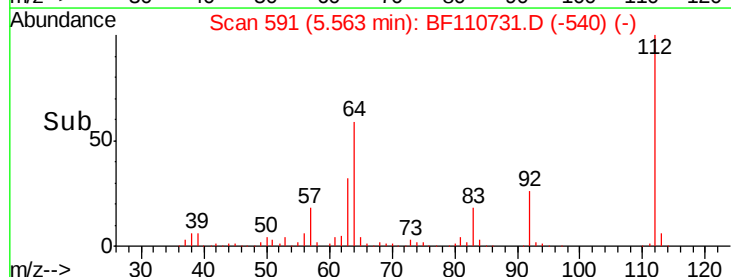


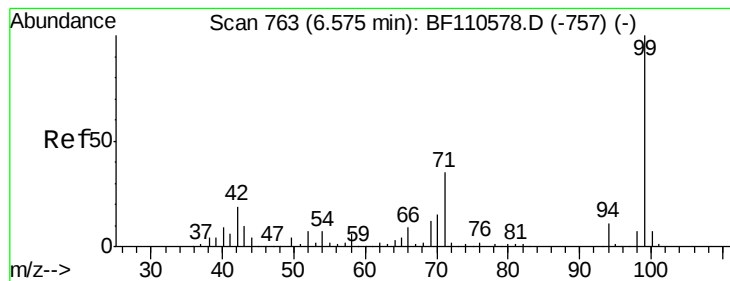
#5
 2-Fluorophenol
 Concen: 57.000 ng
 RT: 5.56 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Tgt Ion:112 Resp: 334022
 Ion Ratio Lower Upper
 112 100
 64 59.3 44.1 66.1
 63 31.7 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: 55.389 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

Instrument :

BNA_F

ClientSampled :

SR-3-S

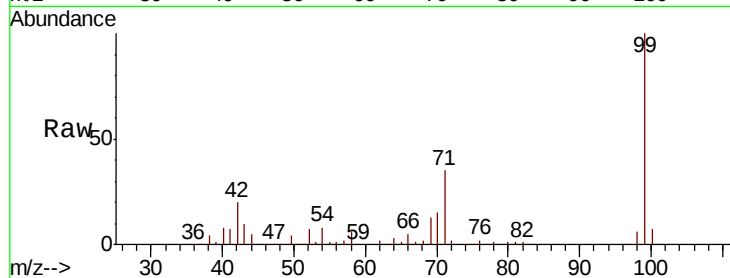
Tgt Ion: 99 Resp: 415059

Ion Ratio Lower Upper

99 100

42 20.0 15.8 23.6

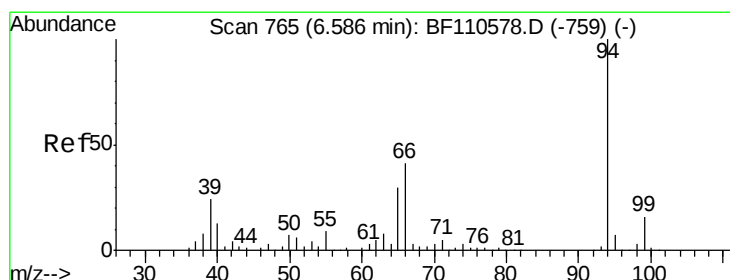
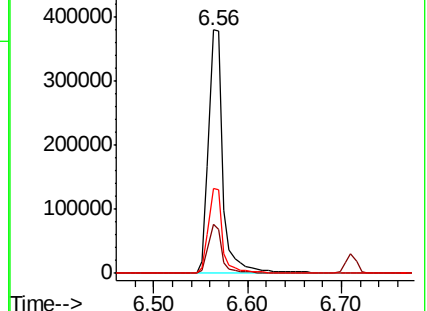
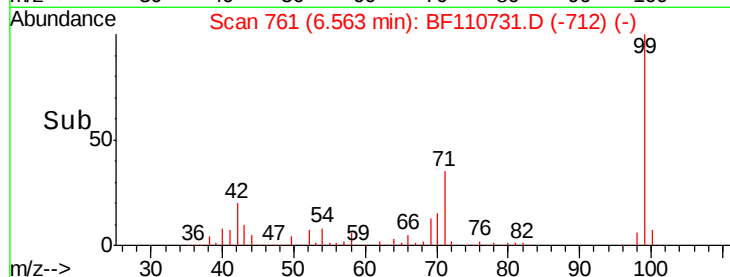
71 34.8 28.0 42.0



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: 2.252 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

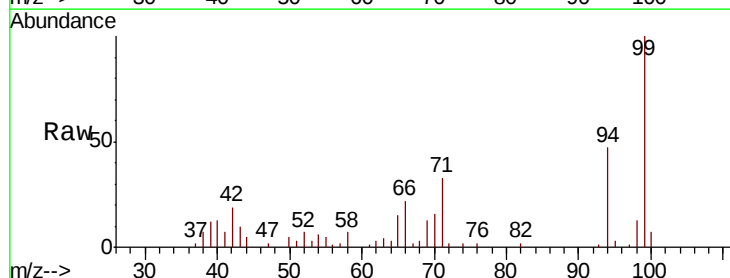
Tgt Ion: 94 Resp: 19565

Ion Ratio Lower Upper

94 100

65 31.8 25.3 65.3

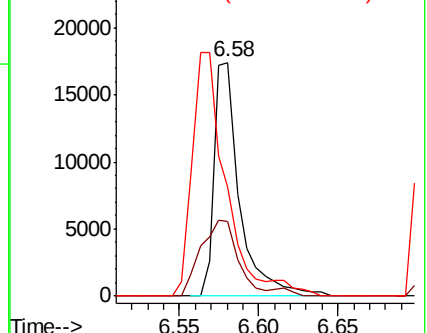
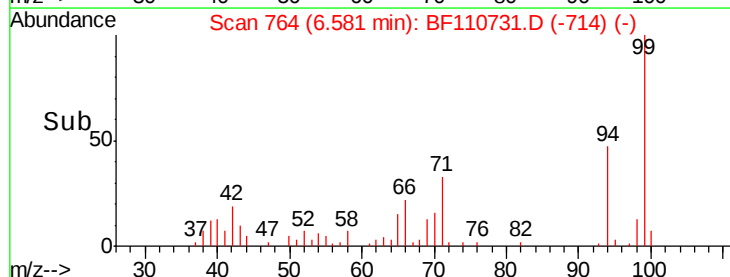
66 46.7 54.5 94.5#



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

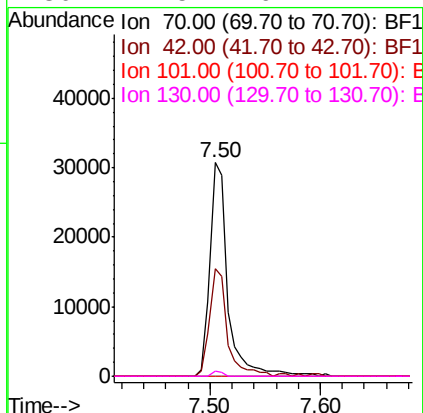
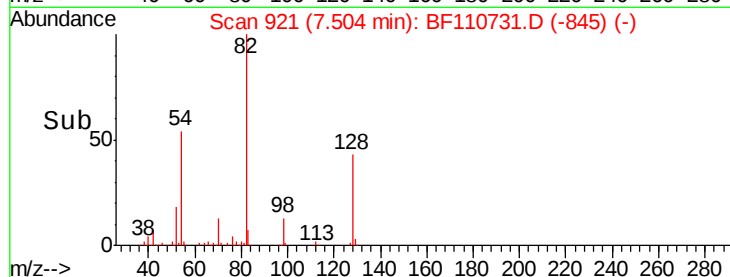
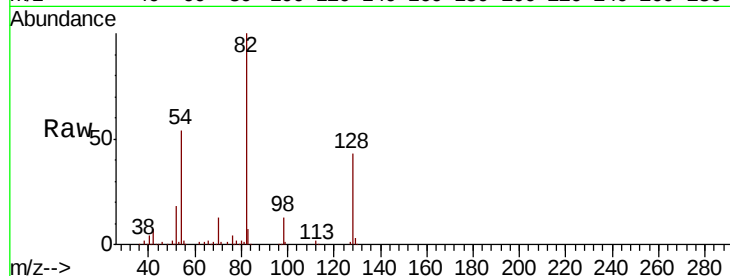




#19
n-Nitroso-di-n-propylamine
Concen: 7.087 ng
RT: 7.50 min Scan# 921
Delta R.T. 0.15 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

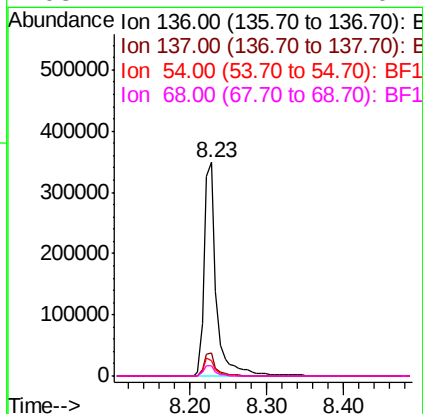
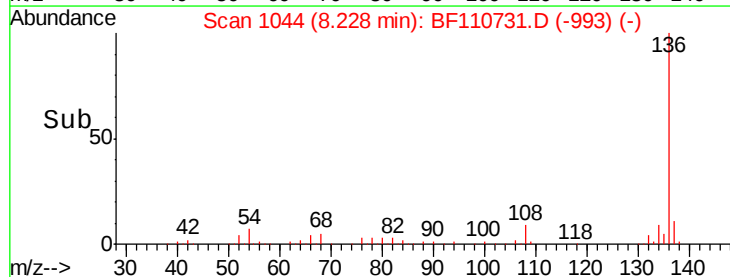
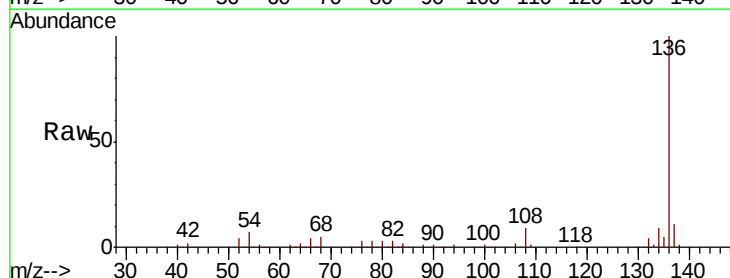
Instrument :
BNA_F
ClientSampleId :
SR-3-S

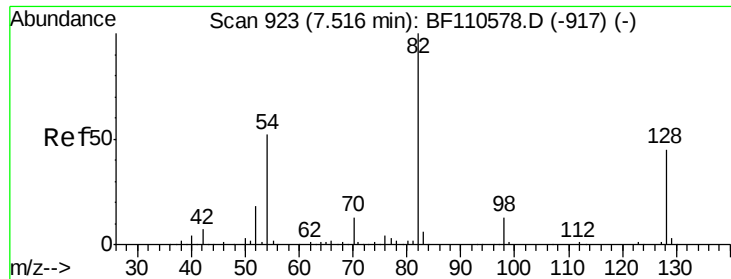
Tgt Ion: 70 Resp: 33901
Ion Ratio Lower Upper
70 100
42 50.3 47.4 71.2
101 0.0 7.3 10.9#
130 2.5 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

Tgt Ion: 136 Resp: 385555
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.2 5.4 8.2
68 4.7 4.2 6.2

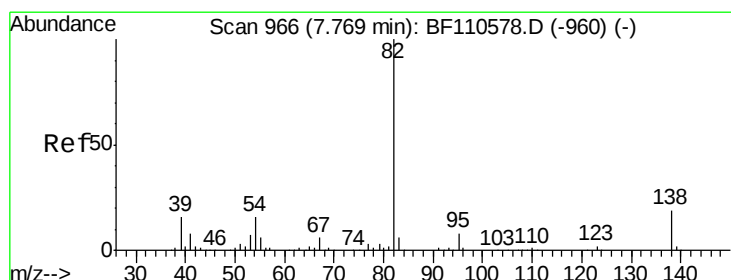
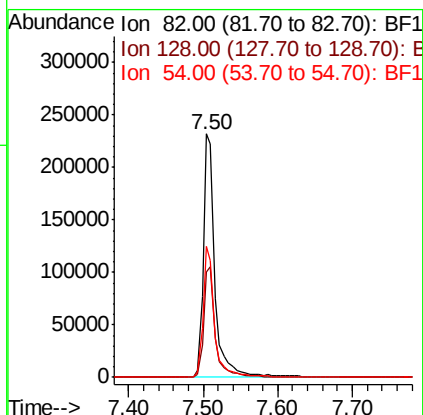
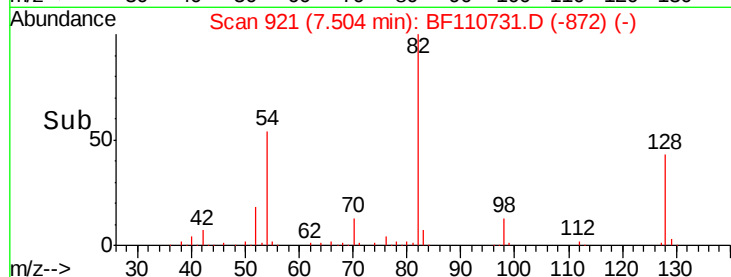
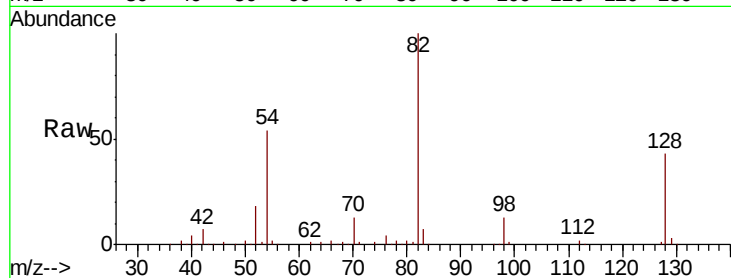




#23
Nitrobenzene-d5
Concen: 38.666 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

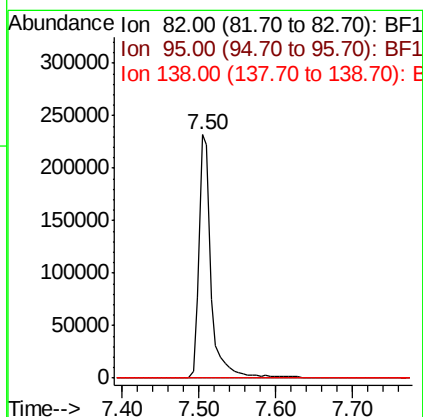
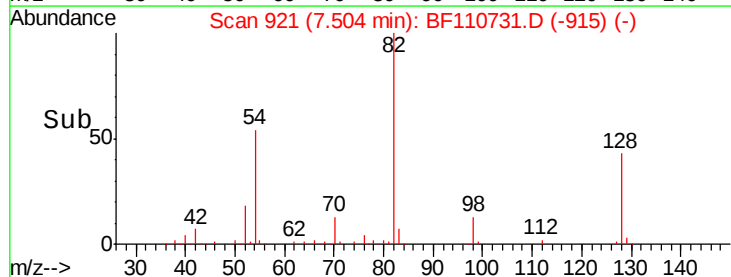
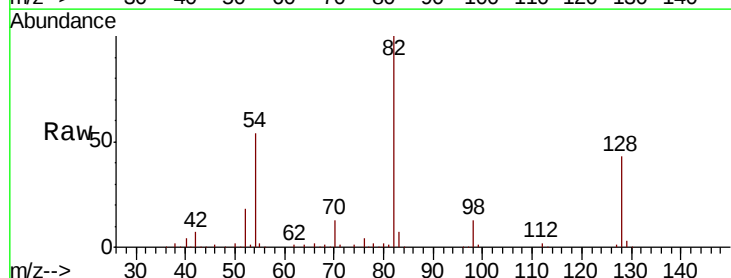
Instrument :
BNA_F
ClientSampleId :
SR-3-S

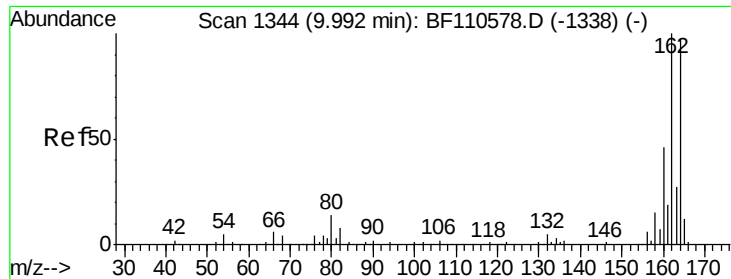
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.2	51.2
54	53.7	38.6	58.0



#25
Isophorone
Concen: 23.591 ng
RT: 7.50 min Scan# 921
Delta R.T. -0.26 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

Instrument :

BNA_F

ClientSampleId :

SR-3-S

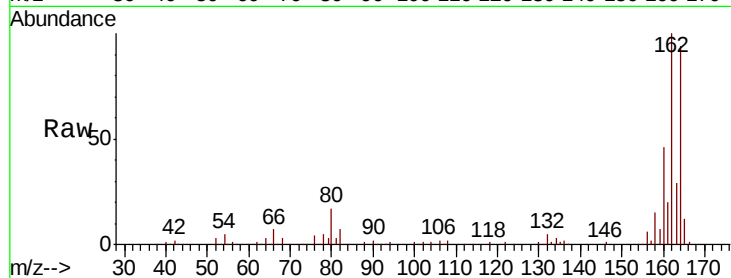
Tgt Ion:164 Resp: 155096

Ion Ratio Lower Upper

164 100

162 106.3 83.0 124.6

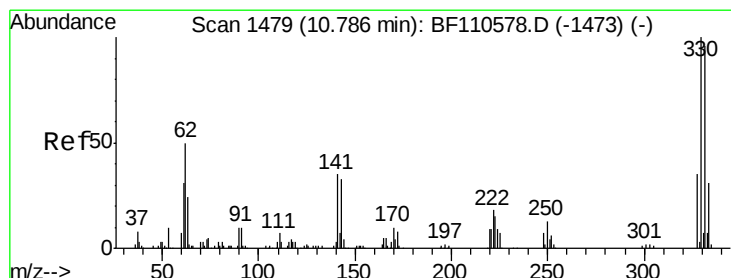
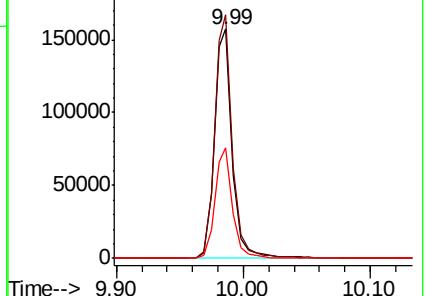
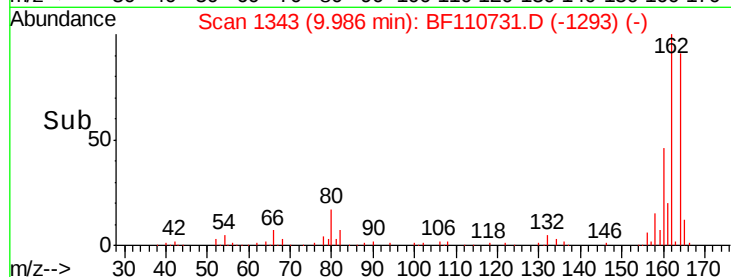
160 48.5 37.0 55.6



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: 43.836 ng

RT: 10.77 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

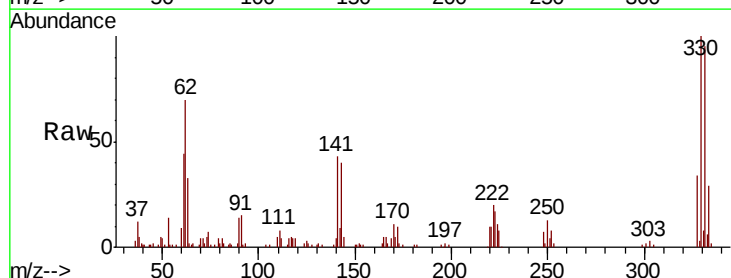
Tgt Ion:330 Resp: 68506

Ion Ratio Lower Upper

330 100

332 94.7 77.1 115.7

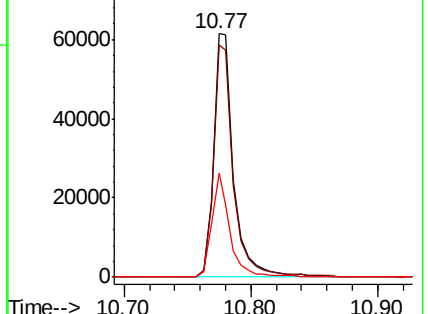
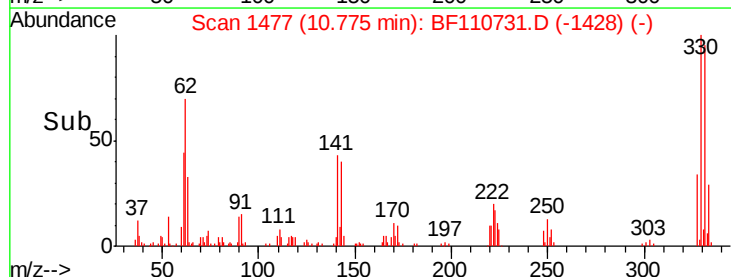
141 38.2 27.0 40.4

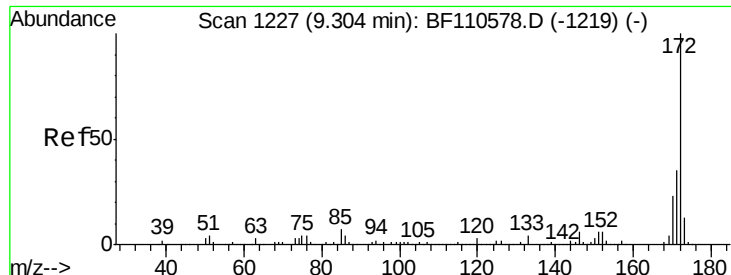


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

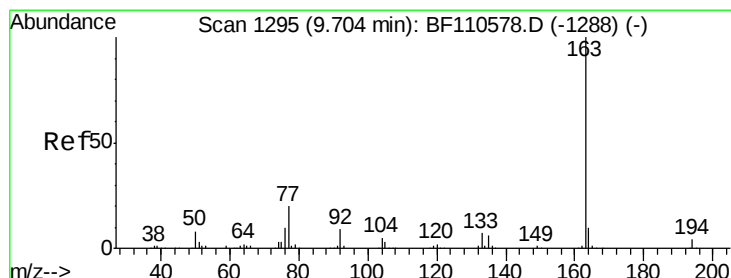
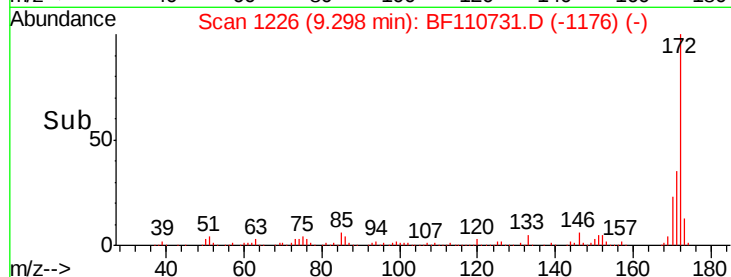
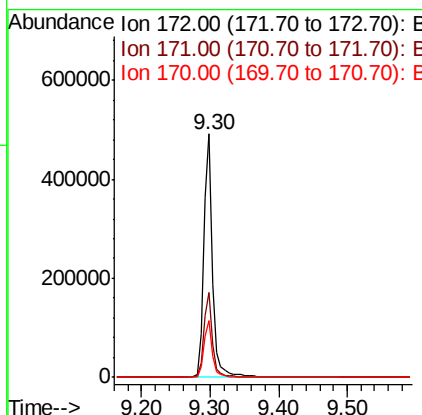
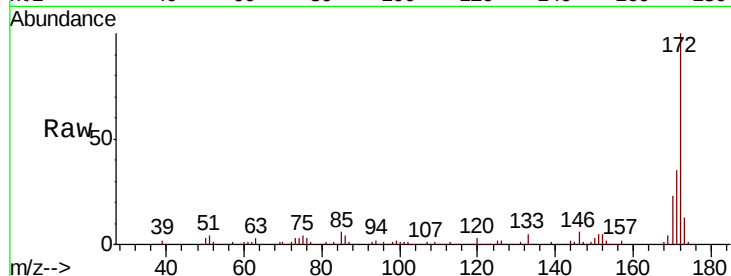




#45
 2-Fluorobiphenyl
 Concen: 41.300 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

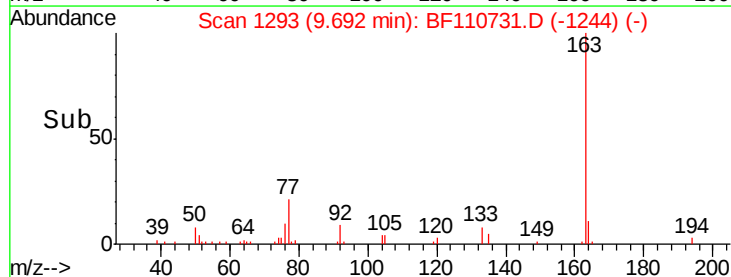
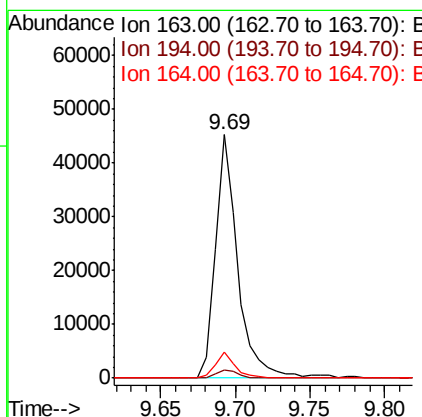
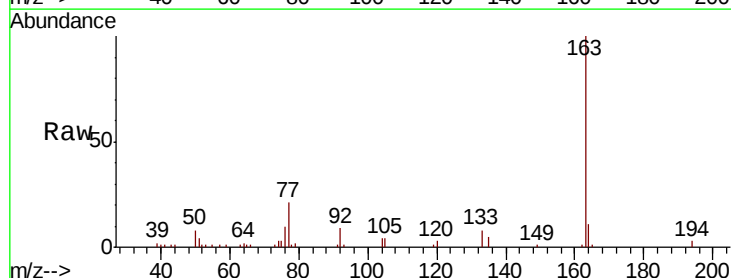
Instrument :
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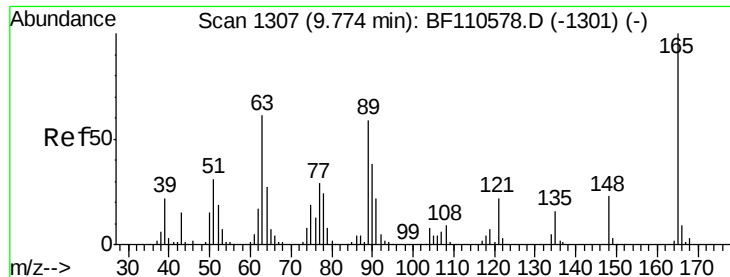
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.3	19.7	29.5



#50
 Dimethylphthalate
 Concen: 4.069 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.2	4.8
164	10.6	8.1	12.1

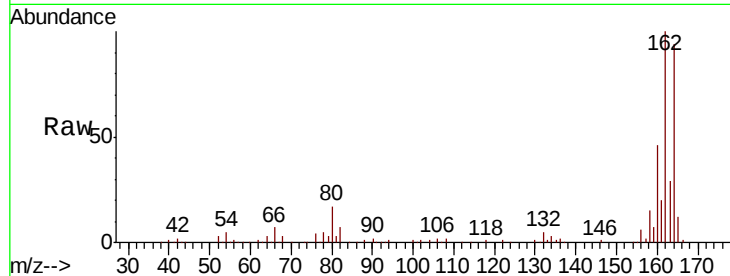




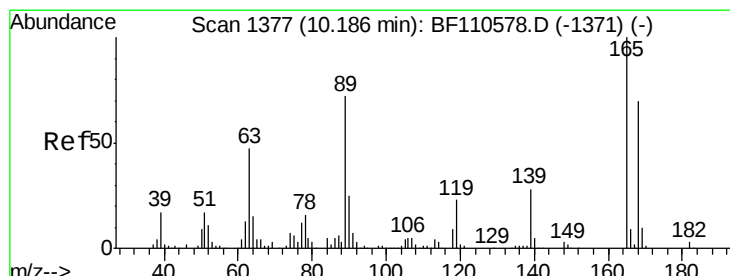
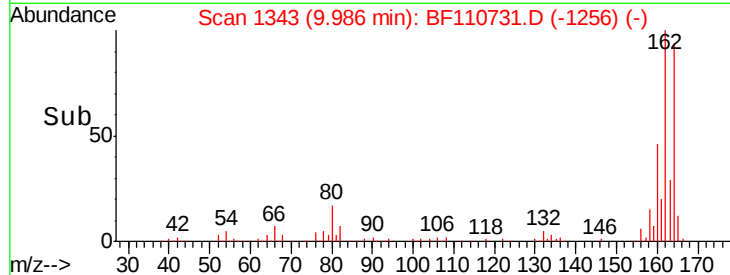
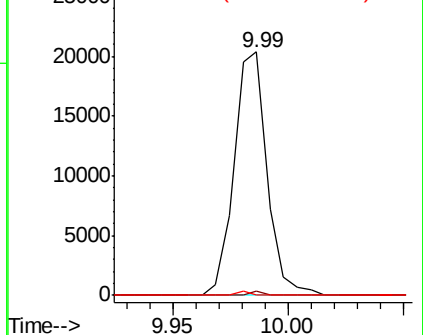
#51
 2,6-Dinitrotoluene
 Concen: 7.965 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.21 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Instrument :
 BNA_F
 ClientSampleId :
 SR-3-S

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	48.9	73.3#
89	0.0	46.6	69.8#



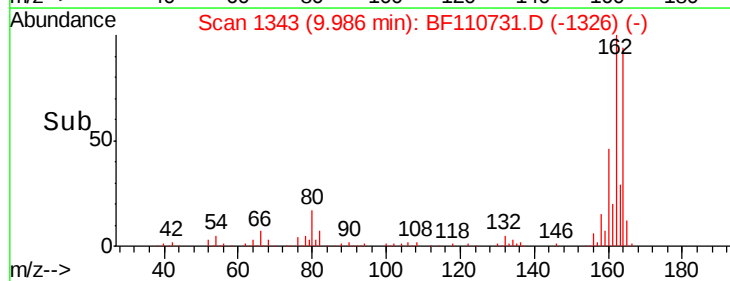
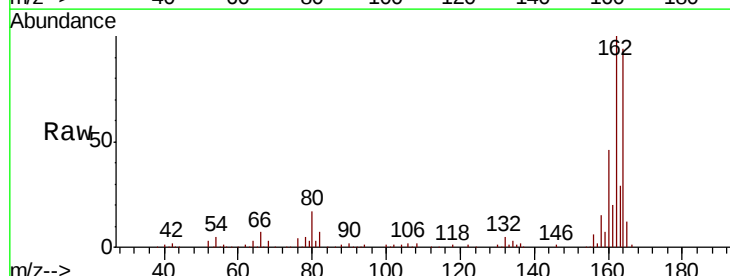
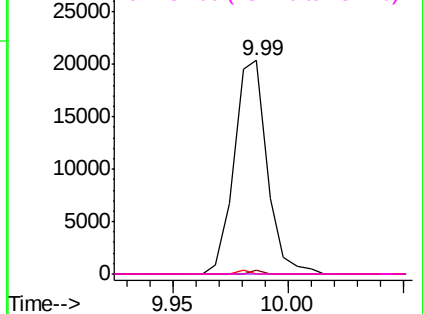
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

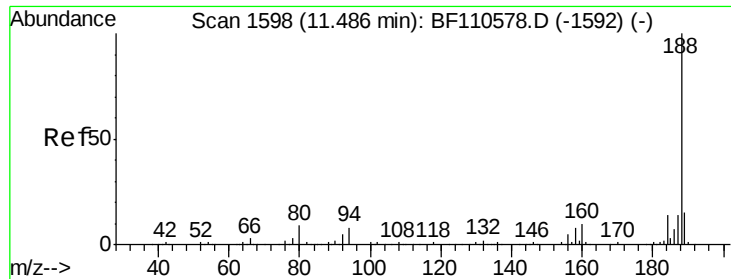


#57
 2,4-Dinitrotoluene
 Concen: 6.125 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	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

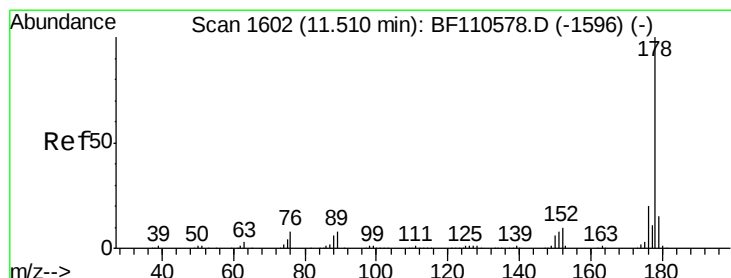
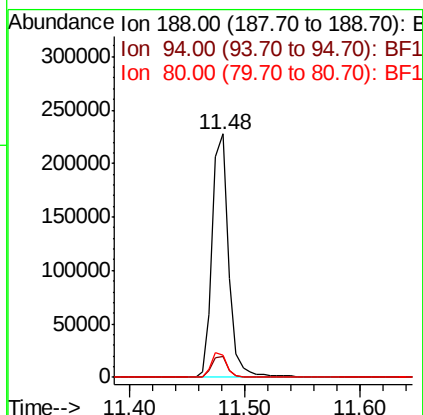
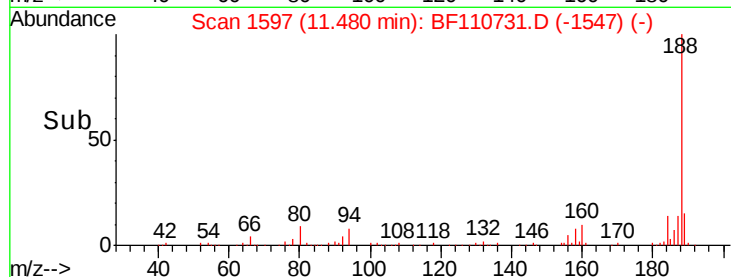
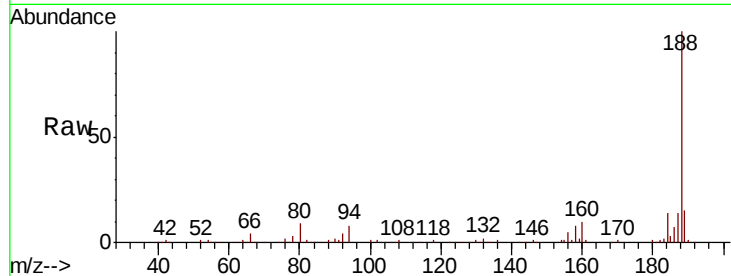




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

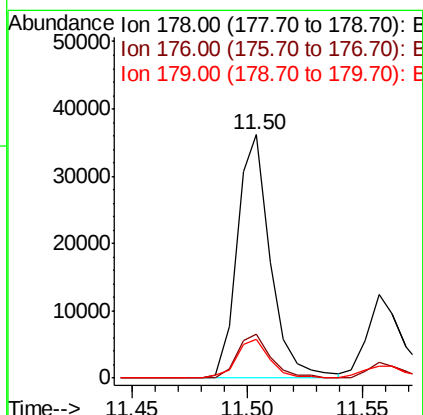
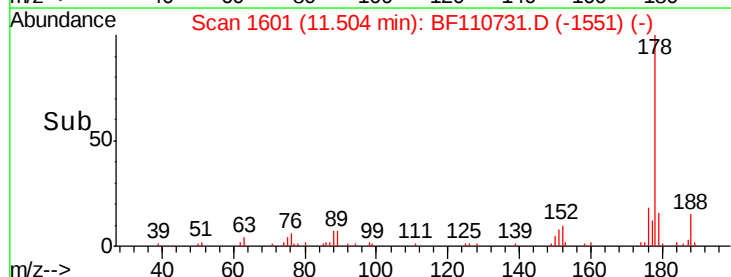
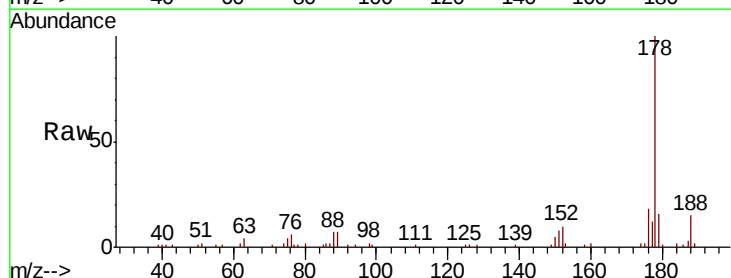
Instrument :
BNA_F
ClientSampleId :
SR-3-S

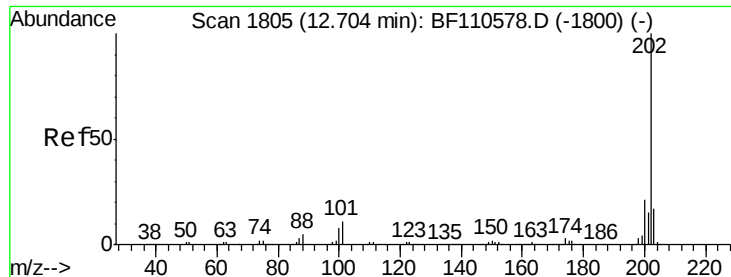
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	8.9	7.9	11.9



#71
Phenanthrene
Concen: 2.992 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.5	23.3
179	16.1	12.5	18.7





#75

Fluoranthene

Concen: 9.636 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

Instrument :

BNA_F

ClientSampleId :

SR-3-S

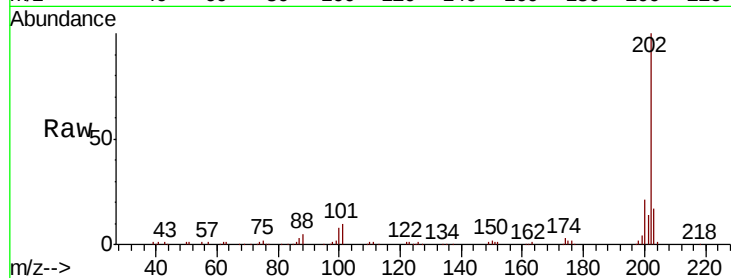
Tgt Ion: 202 Resp: 117051

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.4

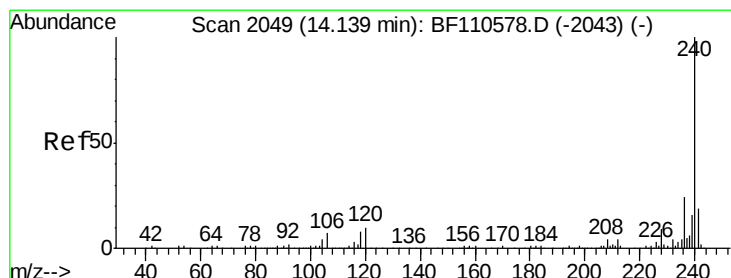
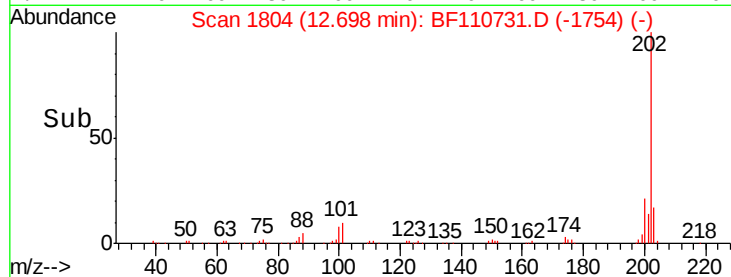
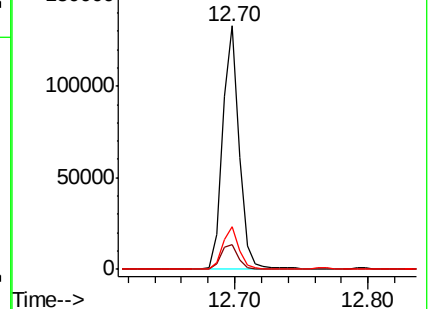
203 17.4 0.0 37.7



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# 2047

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

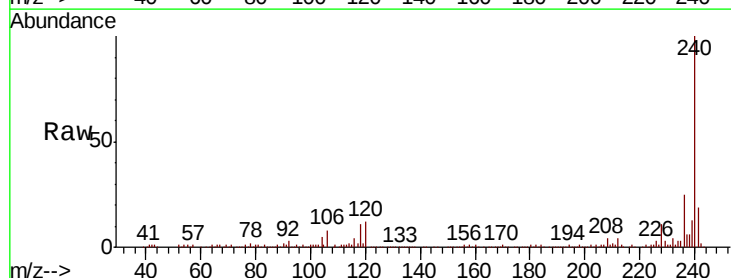
Tgt Ion: 240 Resp: 190127

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

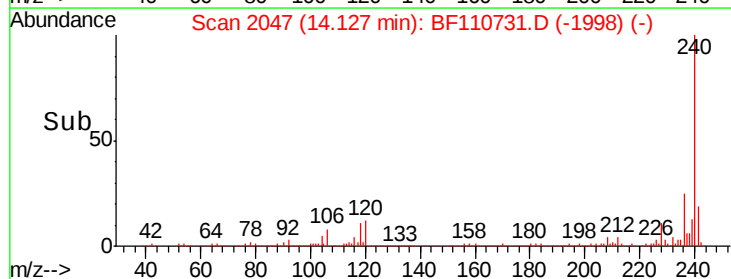
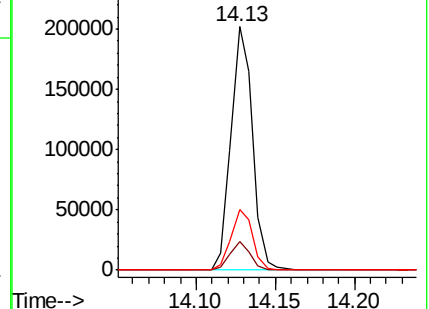
236 25.1 21.2 31.8

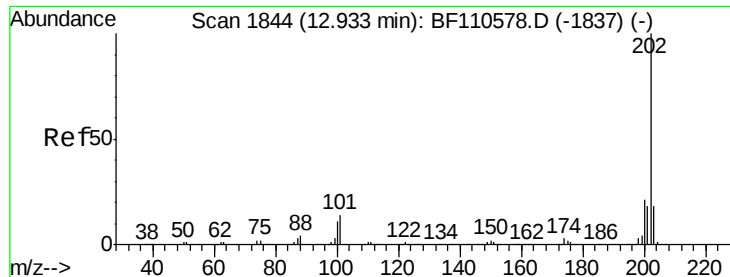


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

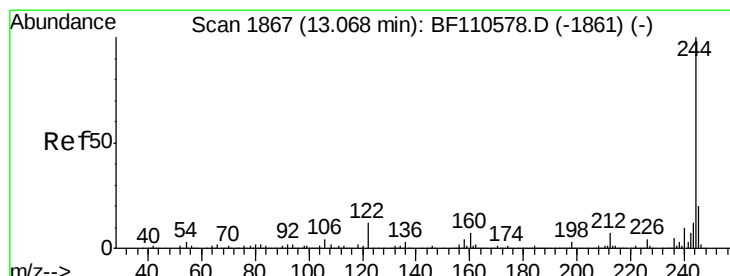
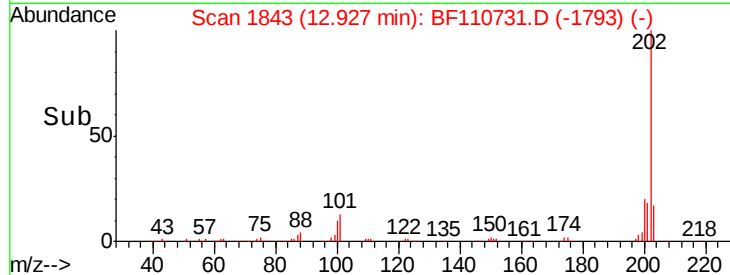
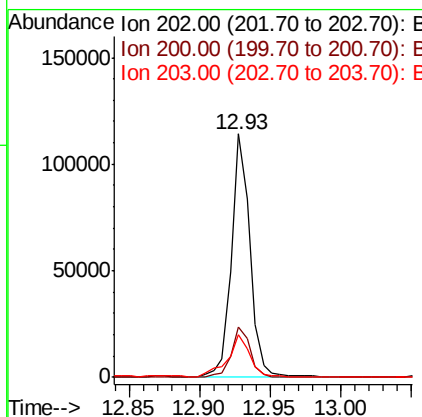
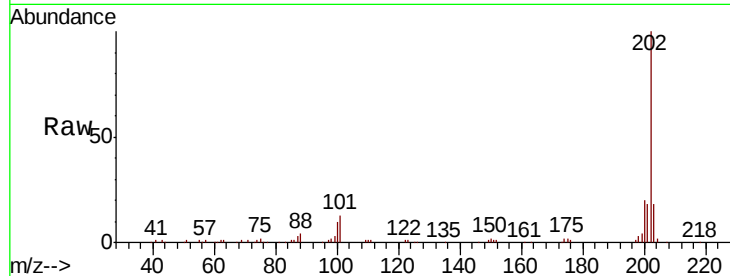




#78
 Pyrene
 Concen: 7.180 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

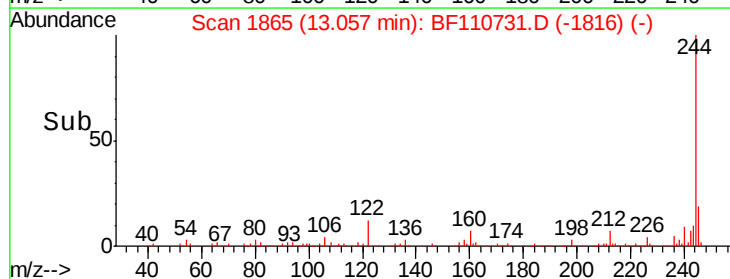
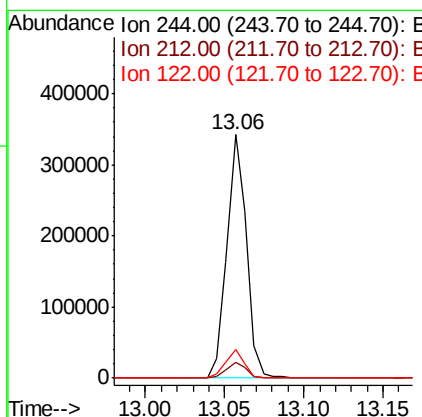
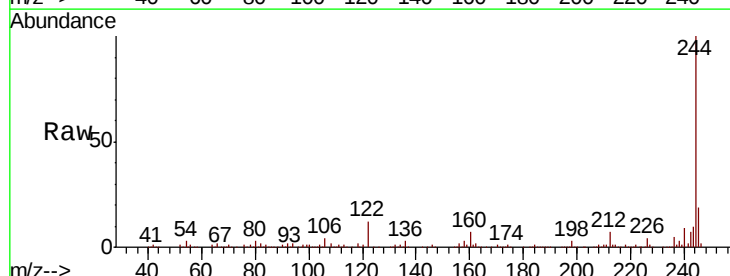
Instrument :
 BNA_F
 ClientSampleId :
 SR-3-S

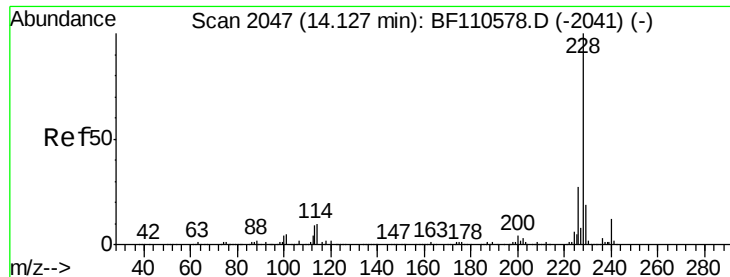
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.6	14.2	21.4



#79
 Terphenyl-d14
 Concen: 28.745 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	11.7	8.7	13.1





#81

Benzo(a)anthracene

Concen: 6.320 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

Instrument :

BNA_F

ClientSampleId :

SR-3-S

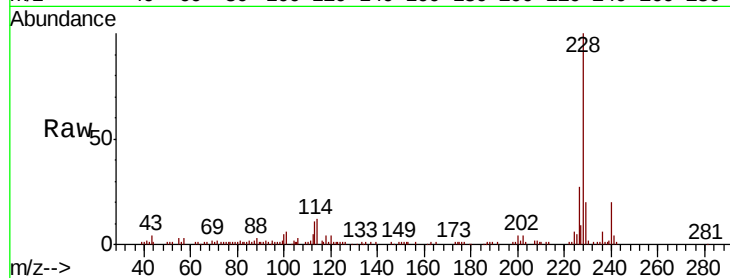
Tgt Ion:228 Resp: 71819

Ion Ratio Lower Upper

228 100

226 27.2 22.1 33.1

229 19.7 15.6 23.4

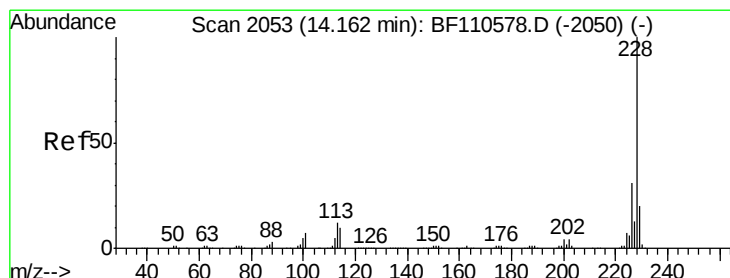
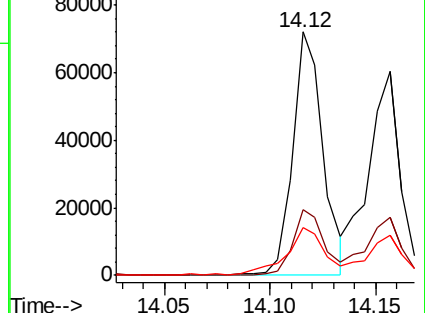
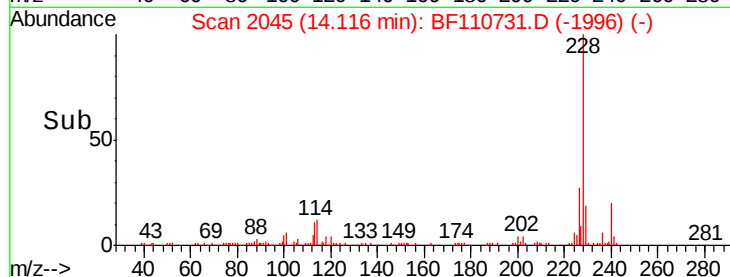


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.937 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

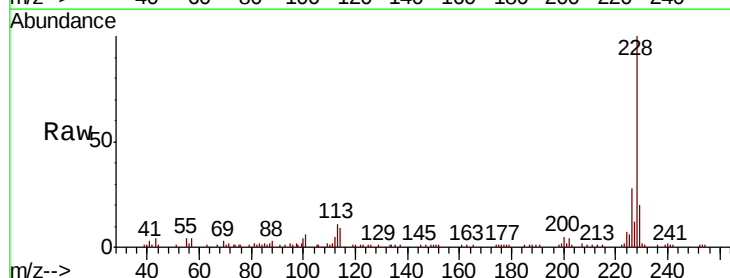
Tgt Ion:228 Resp: 64275

Ion Ratio Lower Upper

228 100

226 28.2 24.7 37.1

229 19.9 15.9 23.9

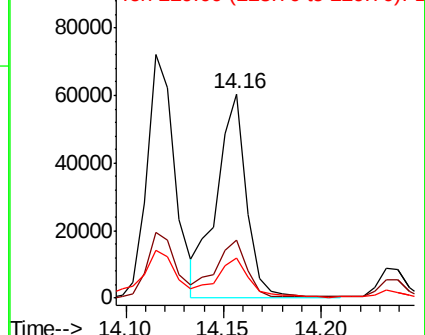
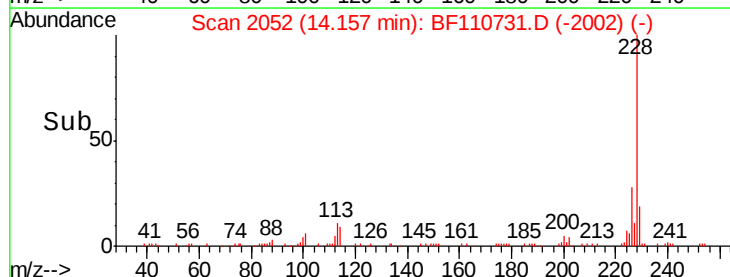


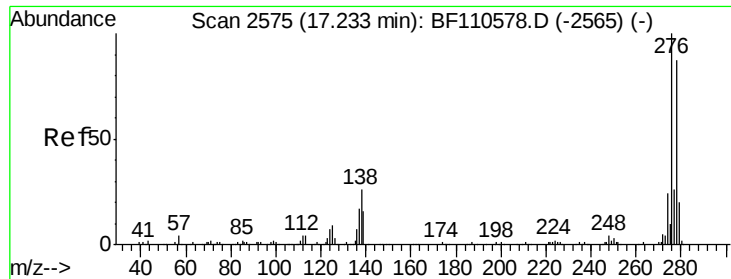
Abundance

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

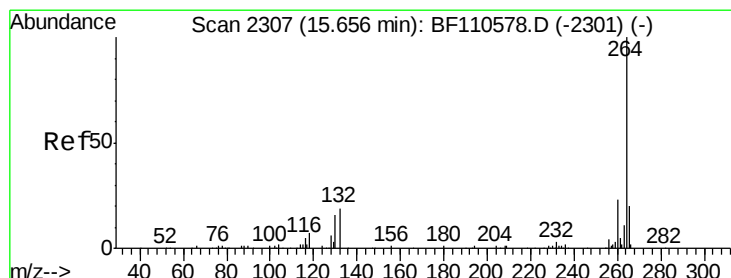
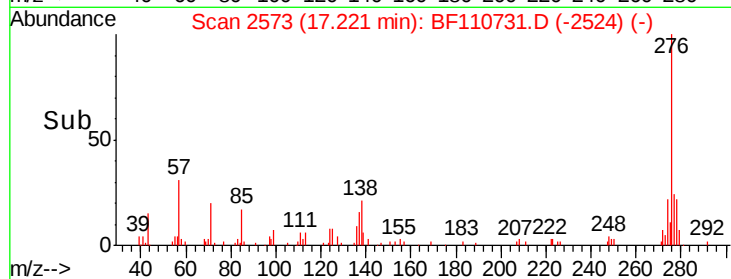
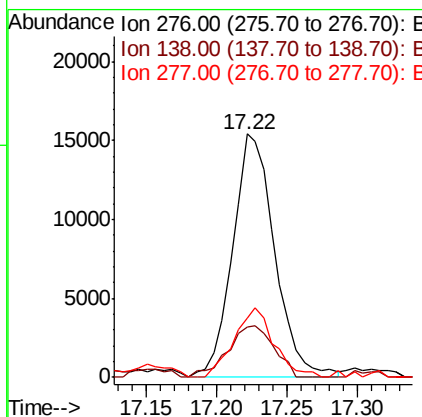
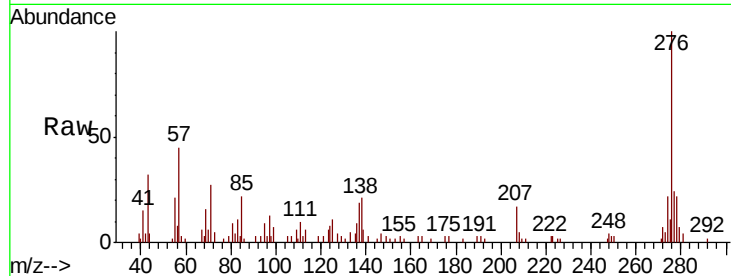




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.133 ng
 RT: 17.22 min Scan# 2573
 Delta R.T. -0.01 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

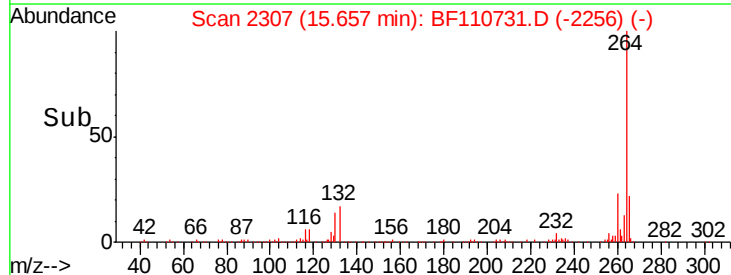
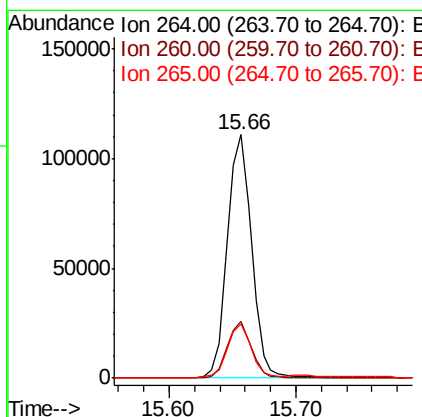
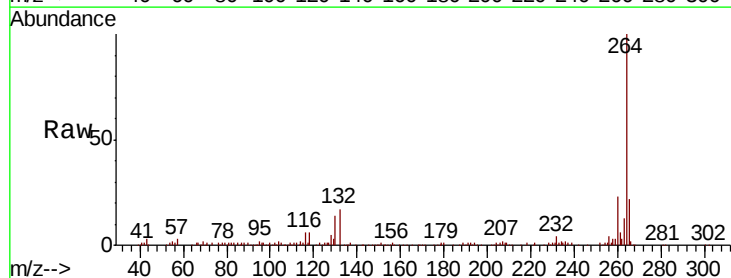
Instrument :
 BNA_F
 ClientSampleId :
 SR-3-S

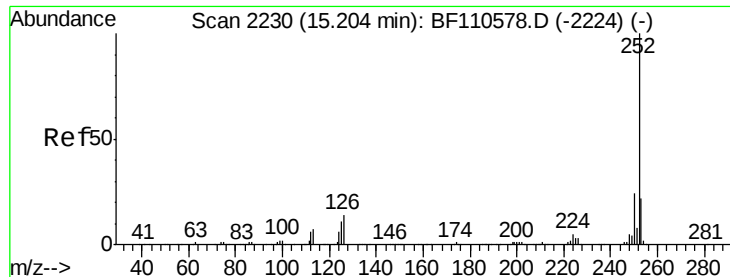
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	18.5	27.7
277	27.1	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: BF110731.D
 Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	22.2	16.7	25.1

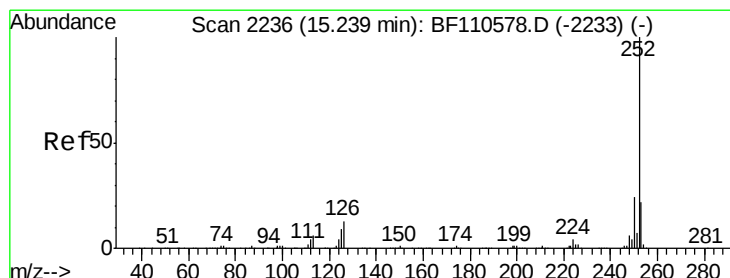
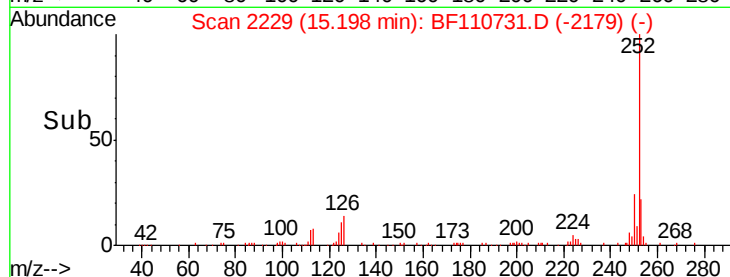
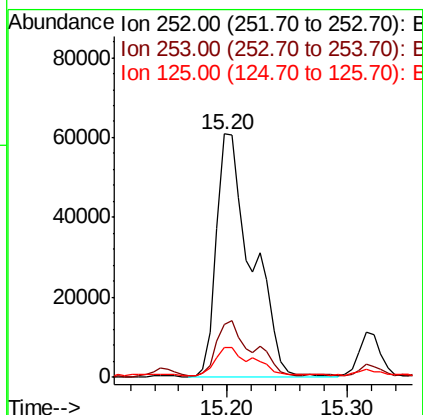
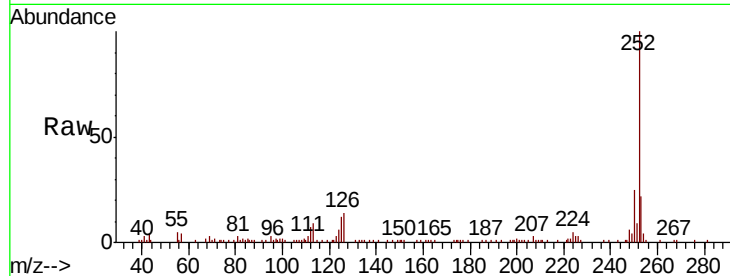




#88
Benzo(b)fluoranthene
Concen: 14.025 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

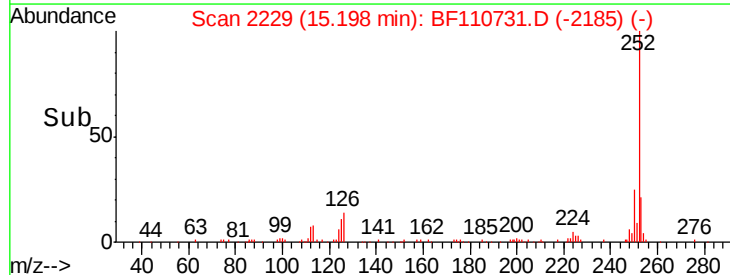
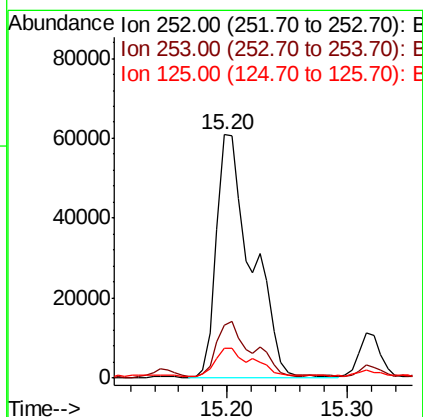
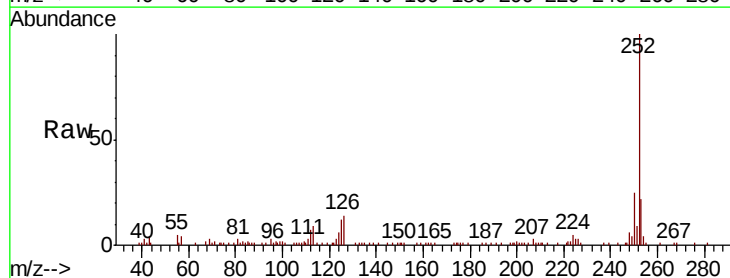
Instrument :
BNA_F
ClientSampleId :
SR-3-S

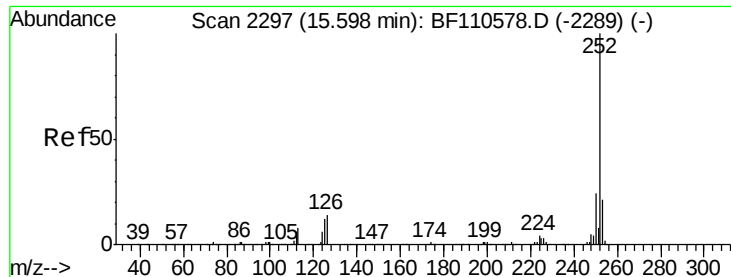
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	12.1	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 14.194 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.04 min
Lab File: BF110731.D
Acq: 13 Nov 2018 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	12.1	7.4	11.0#





#90

Benzo(a)pyrene

Concen: 7.183 ng

RT: 15.59 min Scan# 2296

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

Instrument :

BNA_F

ClientSampled :

SR-3-S

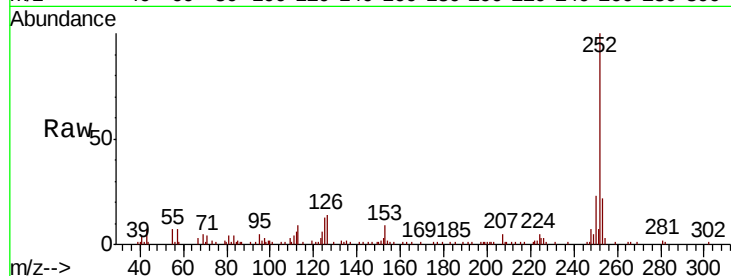
Tgt Ion:252 Resp: 57403

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.4

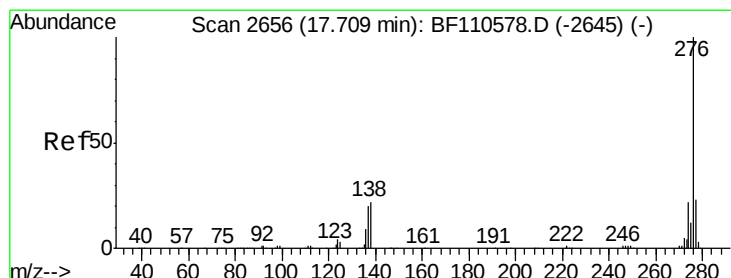
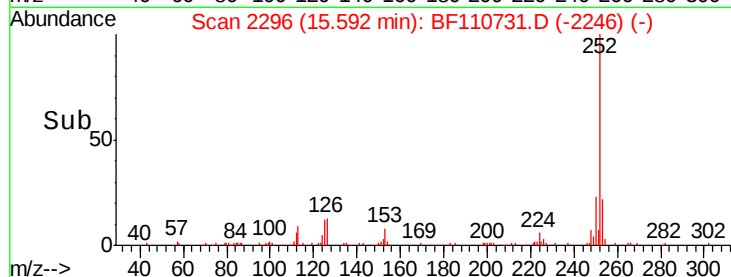
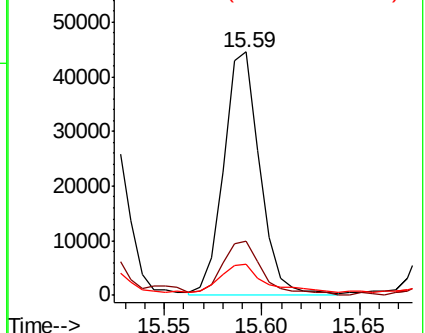
125 12.7 9.0 13.6



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: 4.321 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.01 min

Lab File: BF110731.D

Acq: 13 Nov 2018 20:49

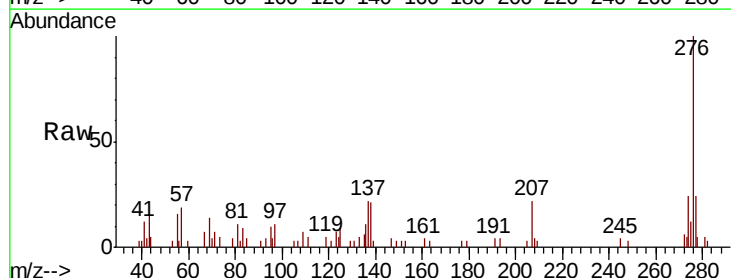
Tgt Ion:276 Resp: 28998

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 21.2 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

