

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101170.D
 Acq On : 6 Dec 2017 16:24
 Operator : SJ/JU
 Sample : I6675-01 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

Quant Time: Dec 06 18:05:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	47032	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	185794	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	87317	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	164379	20.00	ng	0.00
75) Chrysene-d12	14.02	240	103914	20.00	ng	0.00
86) Perylene-d12	15.50	264	113457	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	32783	11.52	ng	0.00
7) Phenol-d6	6.47	99	38877	11.25	ng	0.00
23) Nitrobenzene-d5	7.41	82	22751	7.30	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	9808	9.35	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	56220	8.81	ng	-0.01
78) Terphenyl-d14	12.95	244	50260	10.58	ng	-0.01

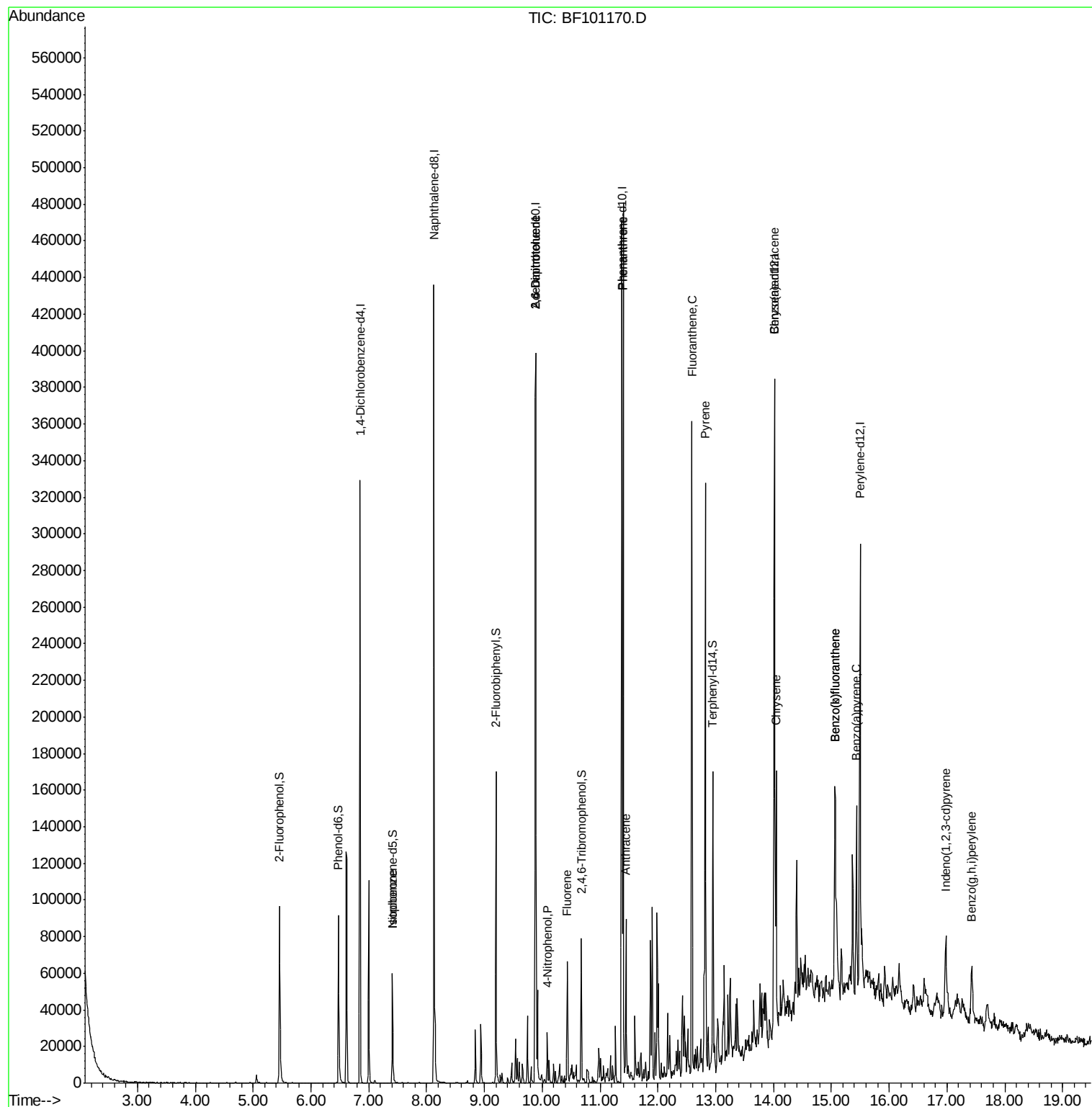
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.41	82	22751	4.276	ng	# 64
50) 2,6-Dinitrotoluene	9.88	165	11360	7.659	ng	# 24
55) 4-Nitrophenol	10.09	139	3435	3.054	ng	# 9
56) 2,4-Dinitrotoluene	9.88	165	11360	5.715	ng	# 21
57) Fluorene	10.43	166	21762	3.323	ng	99
70) Phenanthrene	11.40	178	167205	18.471	ng	96
71) Anthracene	11.45	178	39910	4.356	ng	96
74) Fluoranthene	12.59	202	143773	14.328	ng	96
77) Pyrene	12.82	202	135523	18.900	ng	97
80) Benzo(a)anthracene	14.01	228	54674	8.333	ng	93
82) Chrysene	14.04	228	54786	8.991	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	26446	4.882	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	81542	11.999	ng	99
88) Benzo(k)fluoranthene	15.06	252	81542	12.179	ng	97
89) Benzo(a)pyrene	15.43	252	48096	7.785	ng	99
91) Benzo(g,h,i)perylene	17.43	276	26591	5.180	ng	# 90

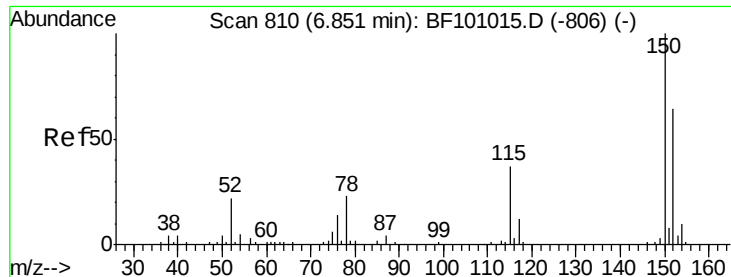
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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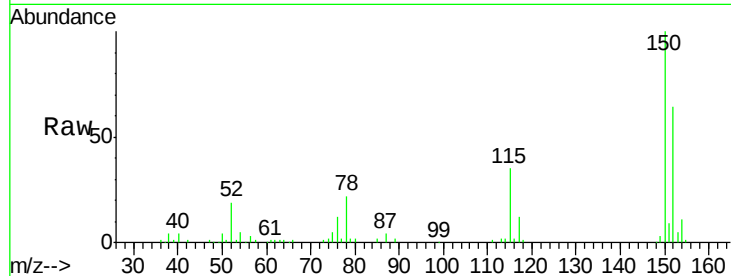


#1

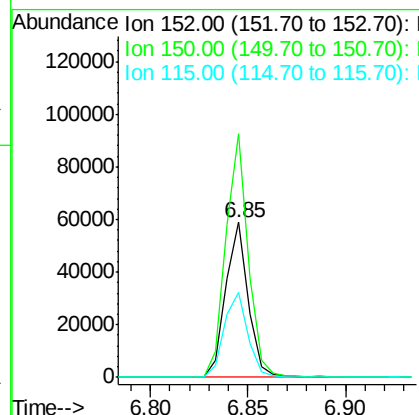
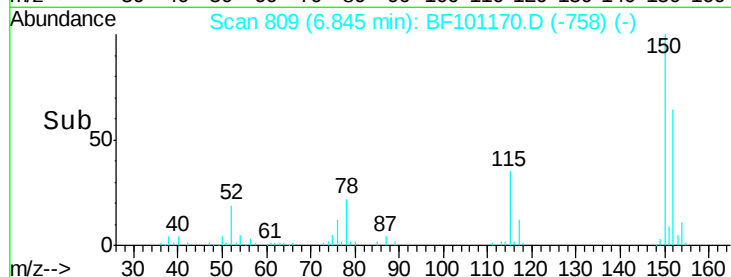
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Instrument :
BNA_F
ClientSampleId :
SU-04-120517

Tot Ion:152 Resp: 47032
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 55.1 50.1 75.1



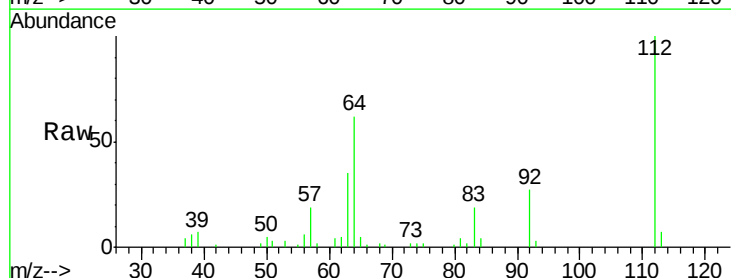
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



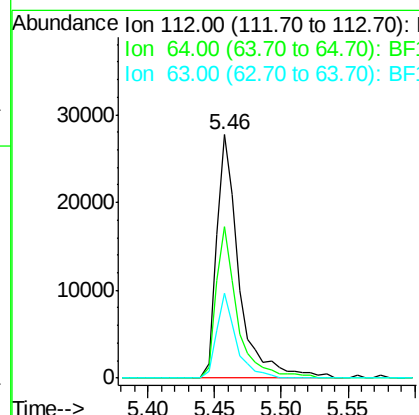
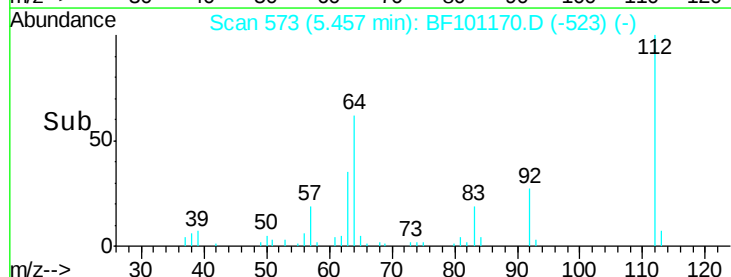
#5

2-Fluorophenol
Concen: 11.518 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion:112 Resp: 32783
Ion Ratio Lower Upper
112 100
64 62.4 47.9 71.9
63 34.7 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: 11.251 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

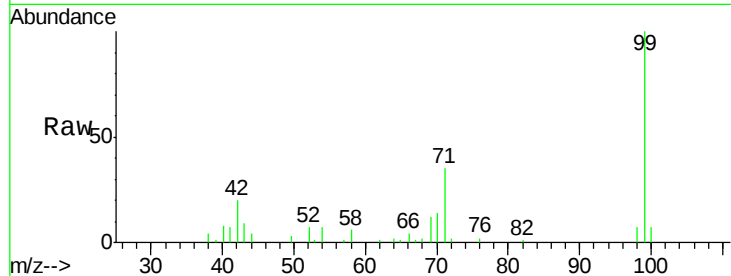
Tot Ion: 99 Resp: 38877

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

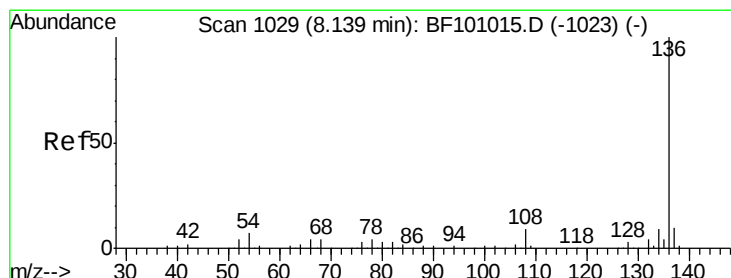
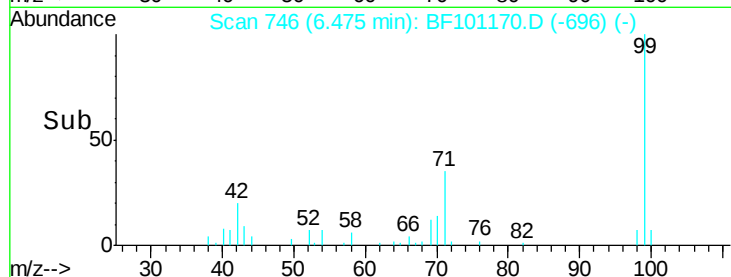
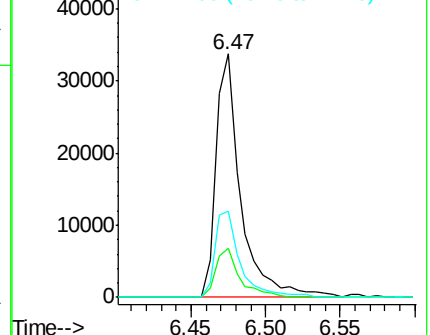
71 35.5 25.4 38.0



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Tgt Ion: 136 Resp: 185794

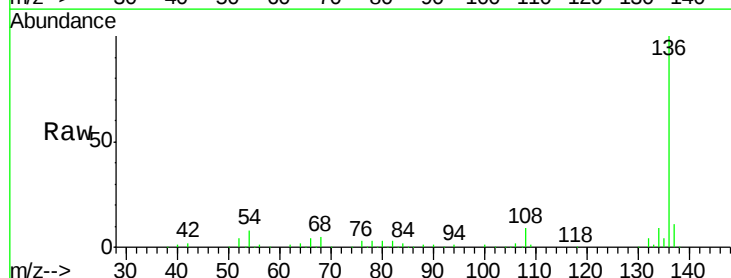
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.6 6.6 9.8

68 5.0 5.0 7.4

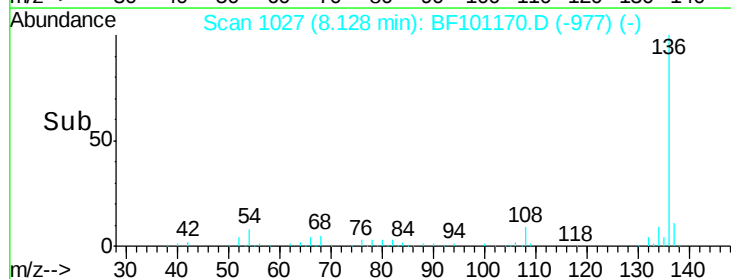
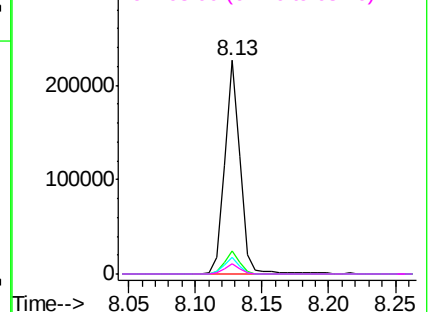


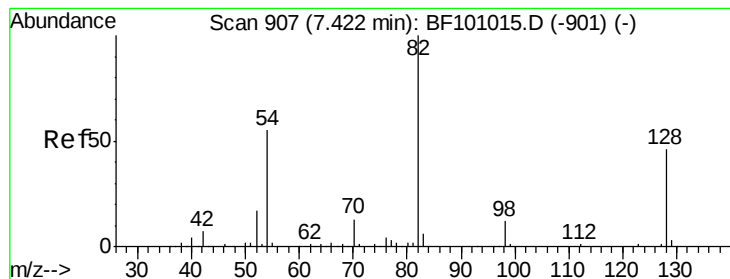
Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.305 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

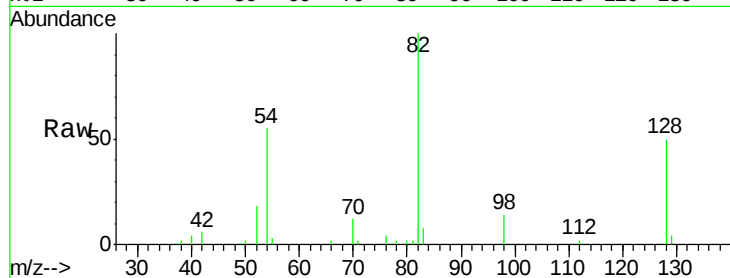
Tot Ion: 82 Resp: 22751

Ion Ratio Lower Upper

82 100

128 49.9 36.1 54.1

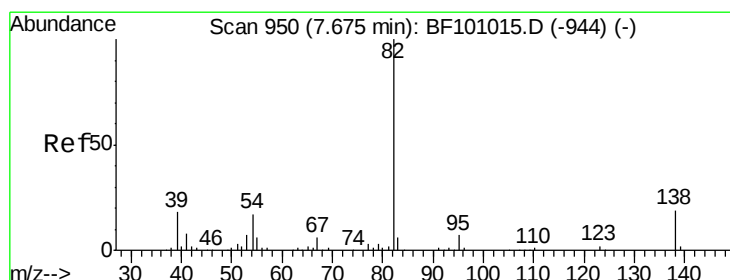
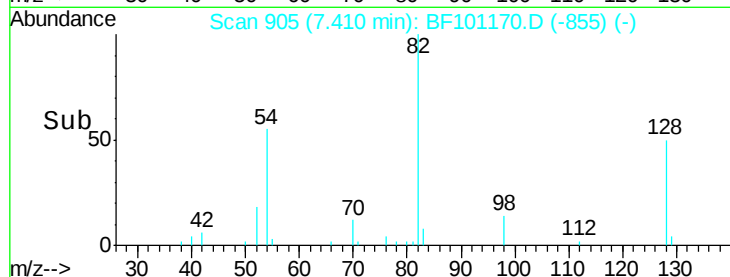
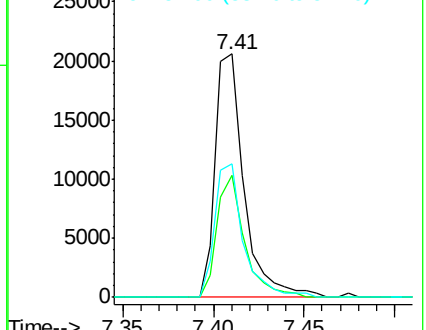
54 54.7 41.4 62.2



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: 4.276 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

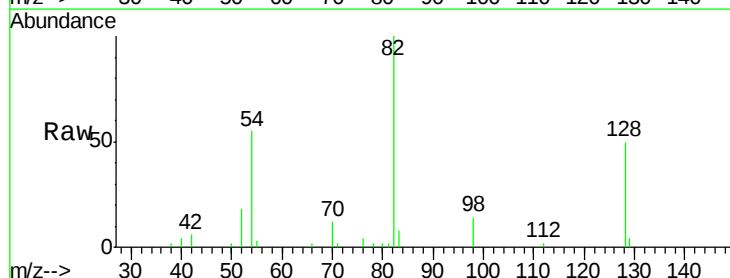
Tgt Ion: 82 Resp: 22751

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

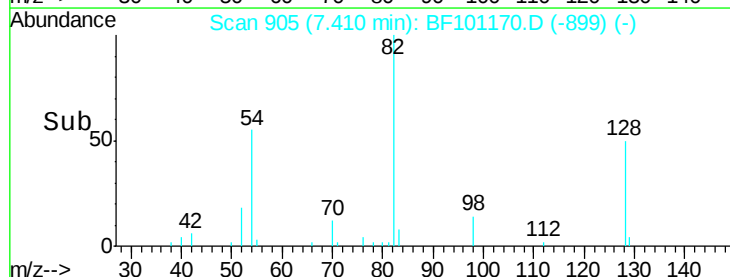
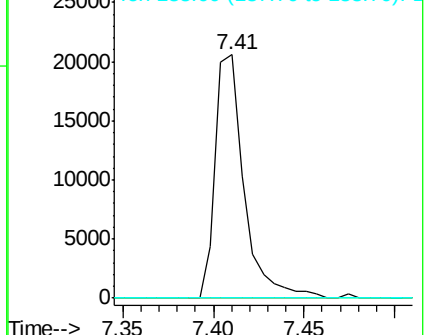
138 0.0 14.9 22.3#

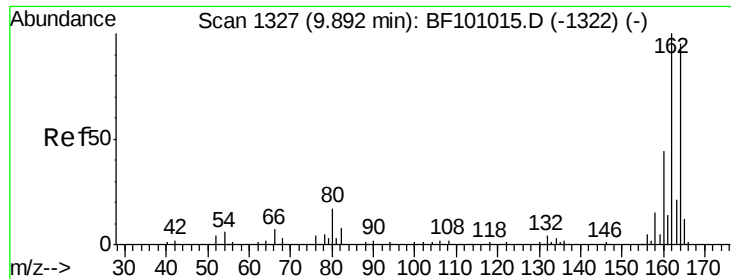


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

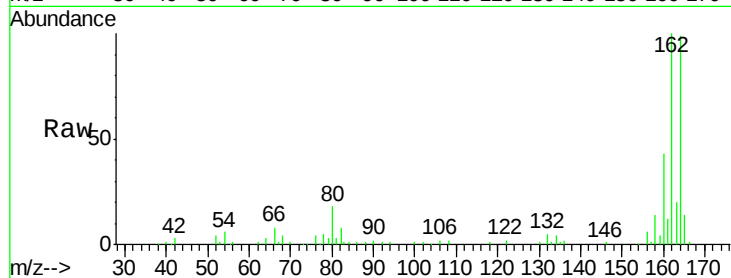
Tot Ion:164 Resp: 87317

Ion Ratio Lower Upper

164 100

162 100.8 86.1 129.1

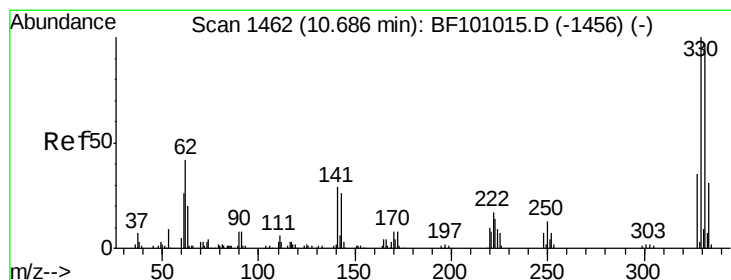
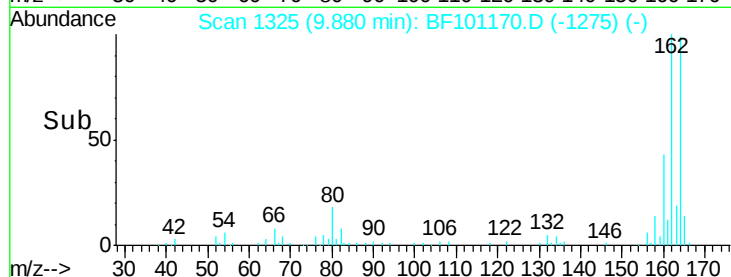
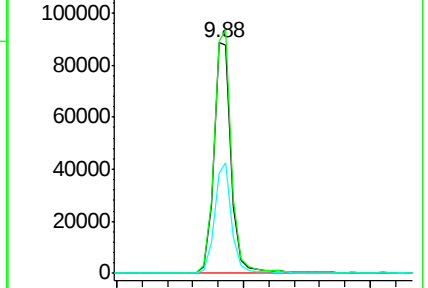
160 43.6 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 9.351 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

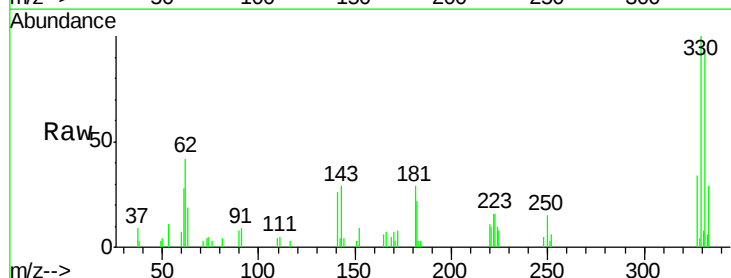
Tgt Ion:330 Resp: 9808

Ion Ratio Lower Upper

330 100

332 92.6 77.0 115.6

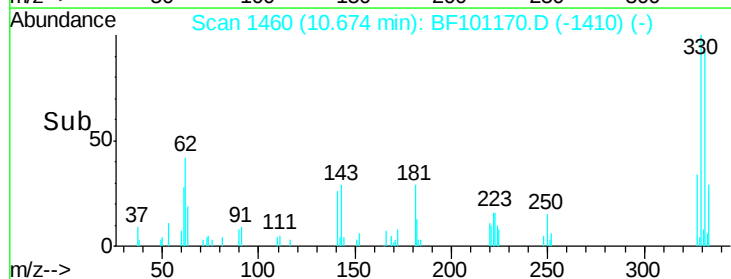
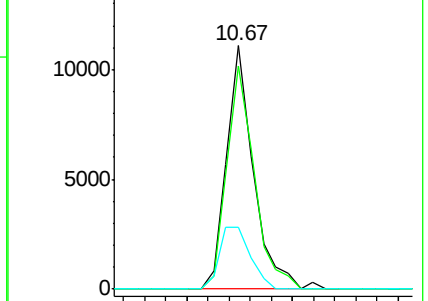
141 29.4 29.9 44.9#

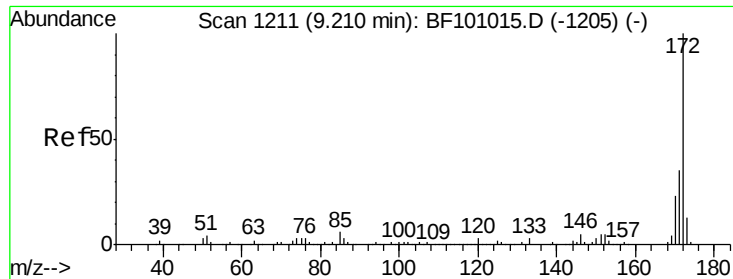


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

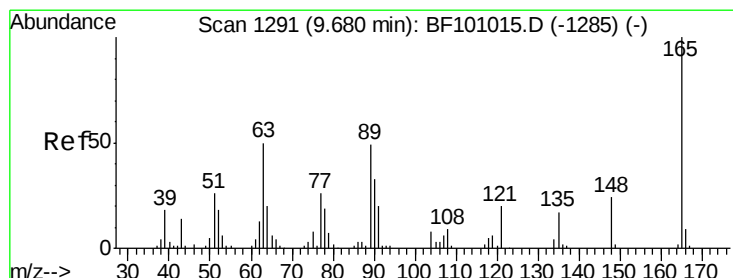
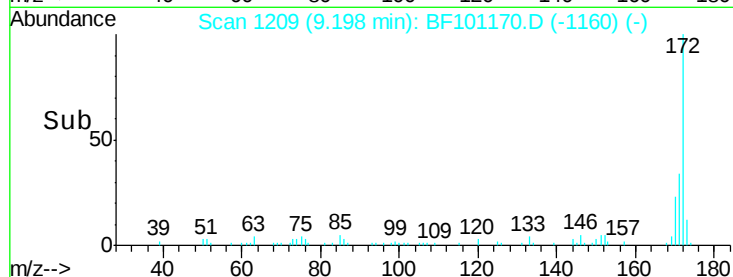
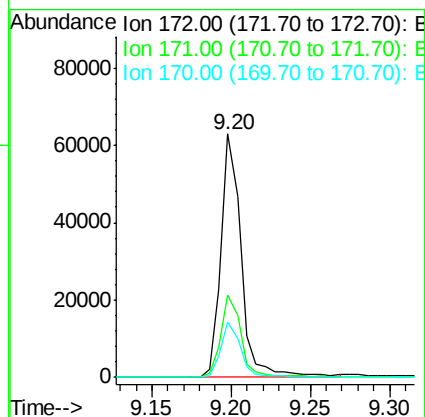
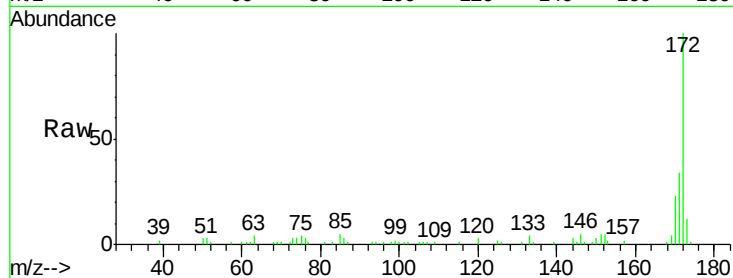




#44
2-Fluorobiphenyl
Concen: 8.809 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

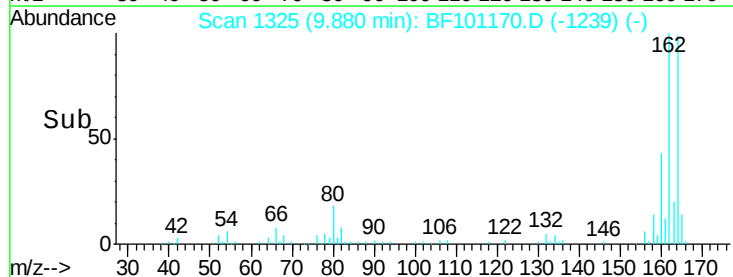
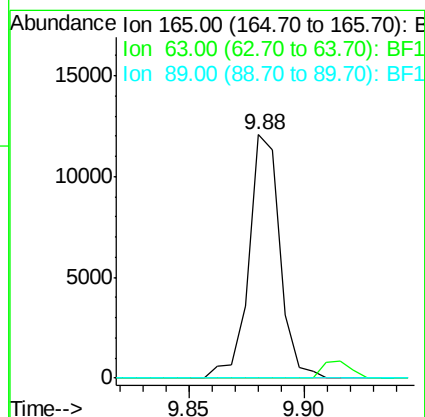
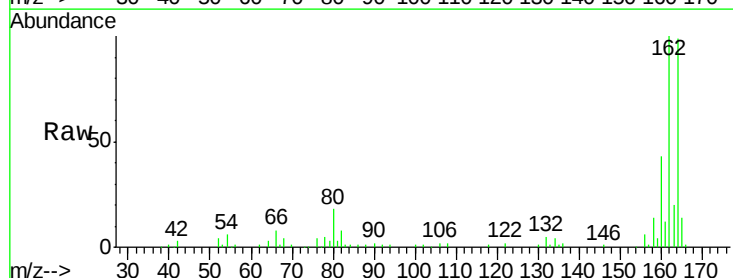
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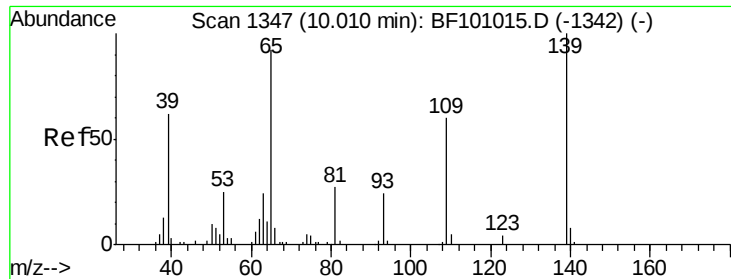
Tot Ion:172 Resp: 56220
Ion Ratio Lower Upper
172 100
171 33.8 29.7 44.5
170 23.0 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 7.659 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.21 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion:165 Resp: 11360
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#





#55

4-Nitrophenol

Concen: 3.054 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.09 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

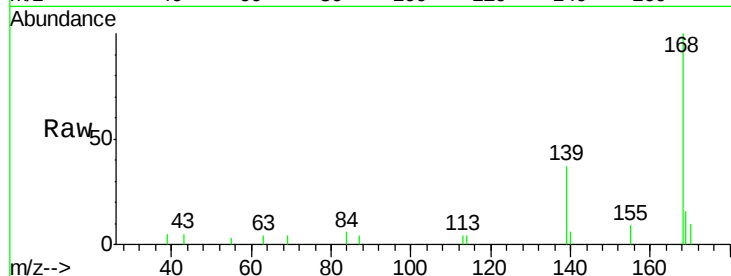
Tot Ion:139 Resp: 3435

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

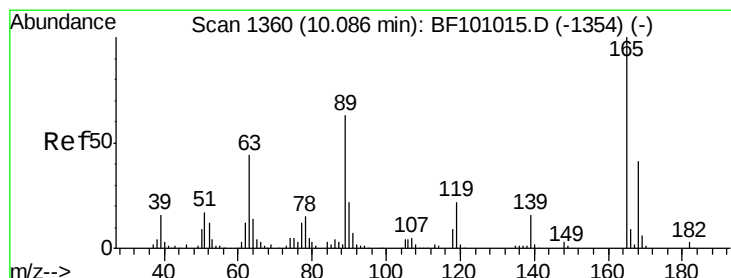
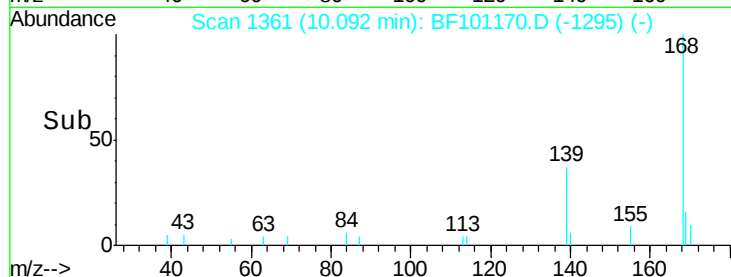
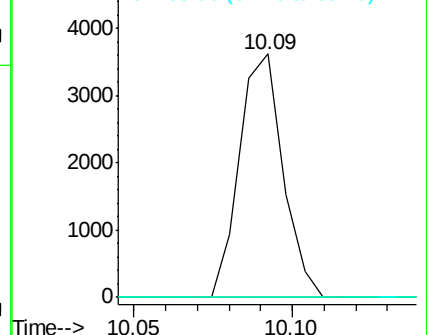
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 5.715 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.20 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Tgt Ion:165 Resp: 11360

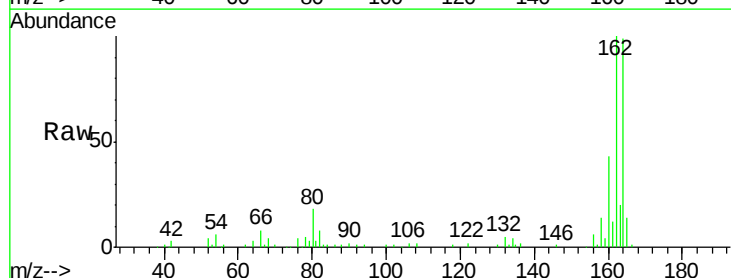
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

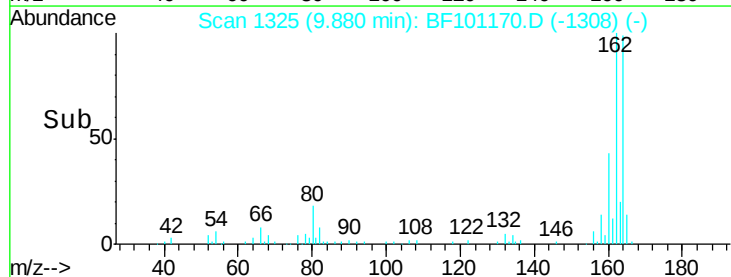
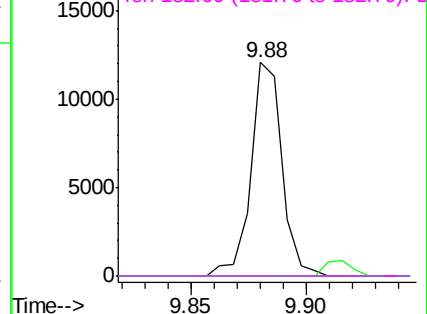


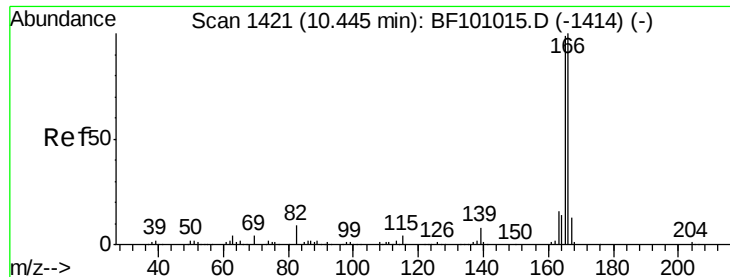
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: 3.323 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

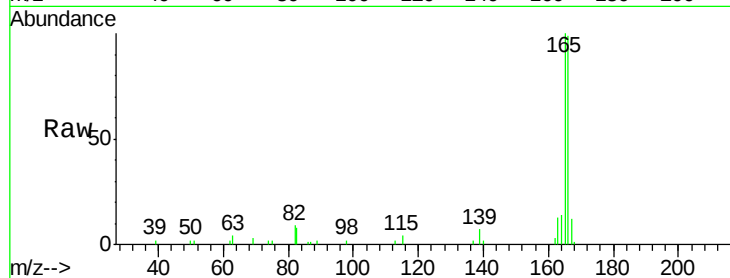
Tot Ion:166 Resp: 21762

Ion Ratio Lower Upper

166 100

165 101.0 79.8 119.8

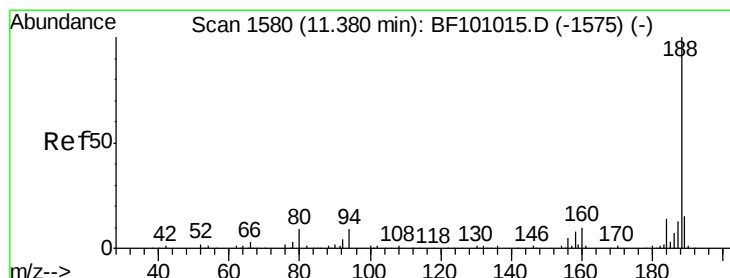
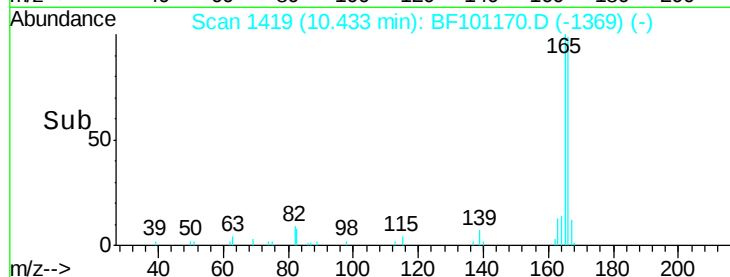
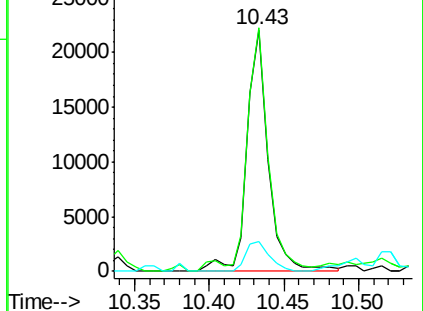
167 12.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

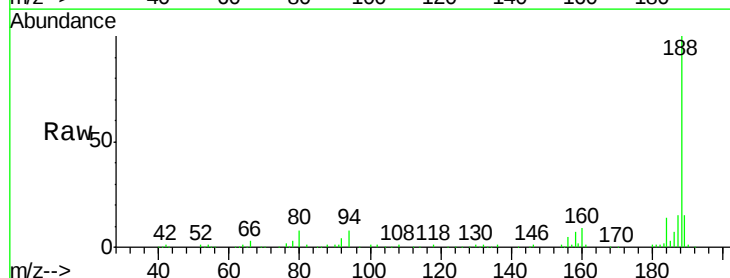
Tgt Ion:188 Resp: 164379

Ion Ratio Lower Upper

188 100

94 7.6 8.5 12.7#

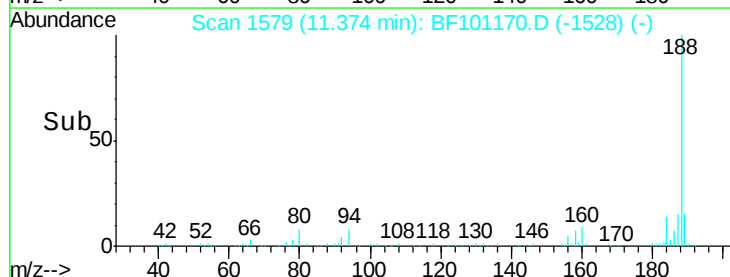
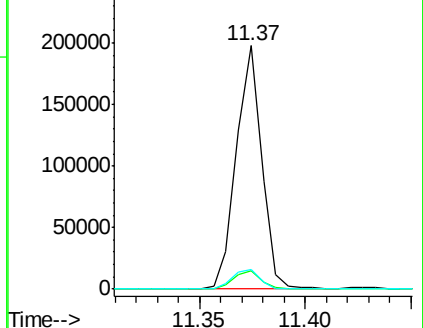
80 8.2 9.2 13.8#

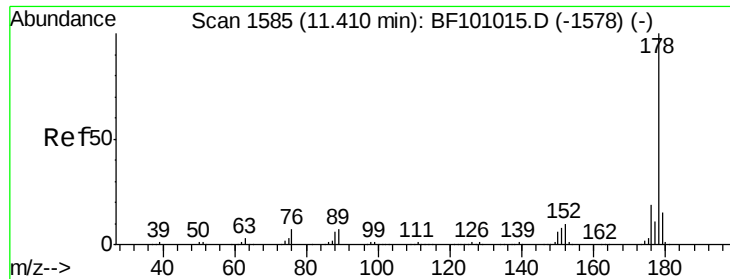


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

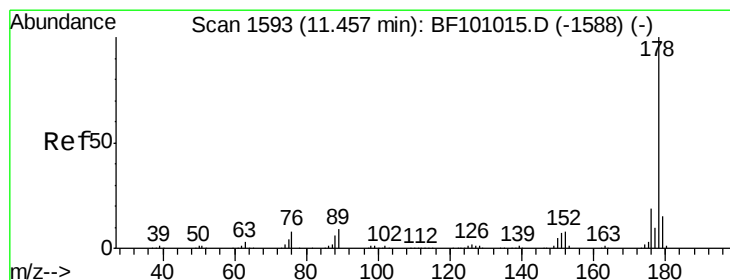
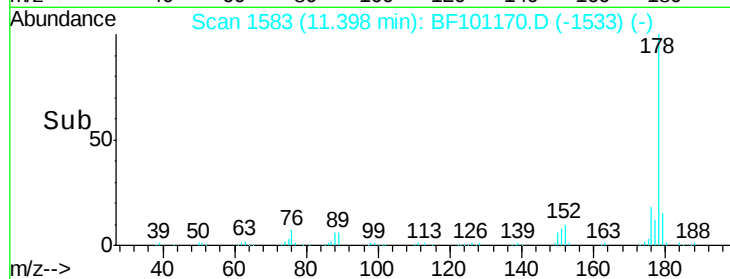
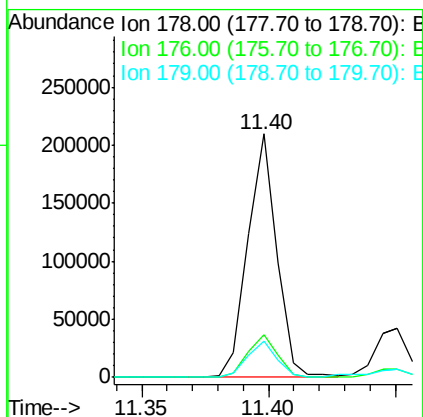
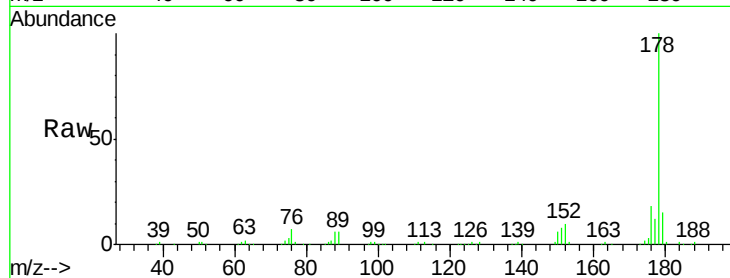




#70
Phenanthrene
Concen: 18.471 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

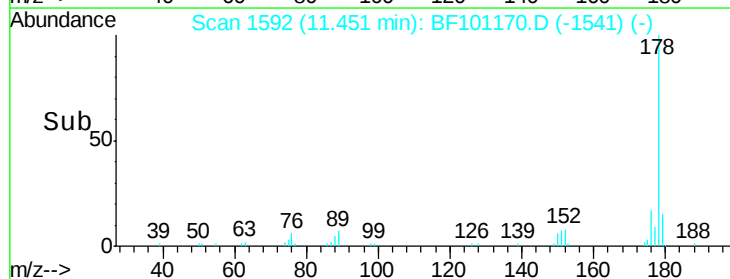
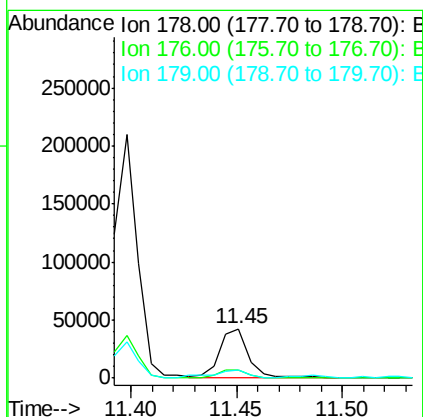
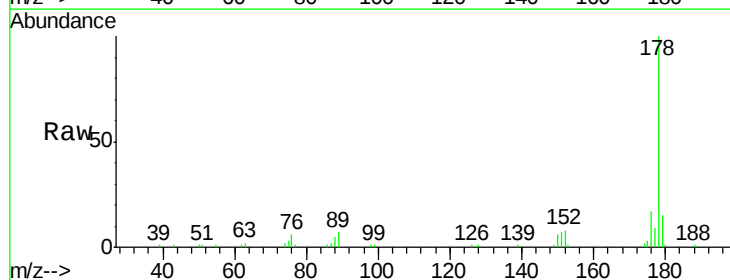
Instrument :
BNA_F
ClientSampleId :
SU-04-120517

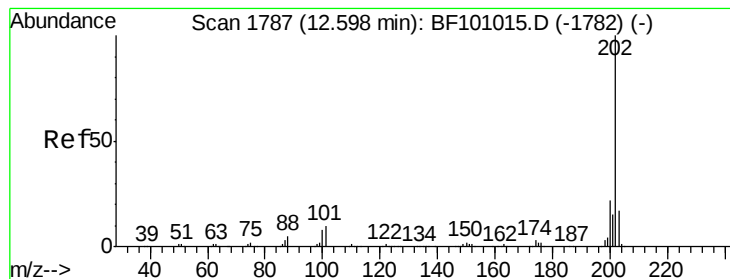
Tot Ion:178 Resp: 167205
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 4.356 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion:178 Resp: 39910
Ion Ratio Lower Upper
178 100
176 17.0 15.4 23.2
179 15.1 12.6 19.0





#74

Fluoranthene

Concen: 14.328 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

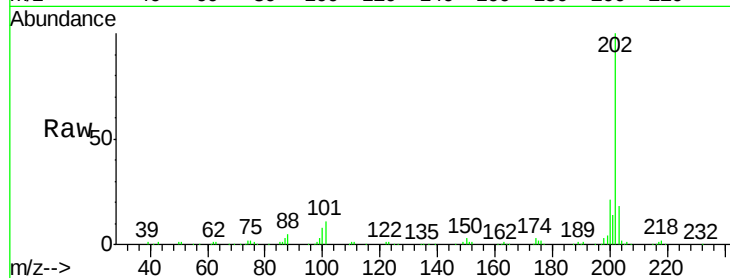
Tot Ion:202 Resp: 143773

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

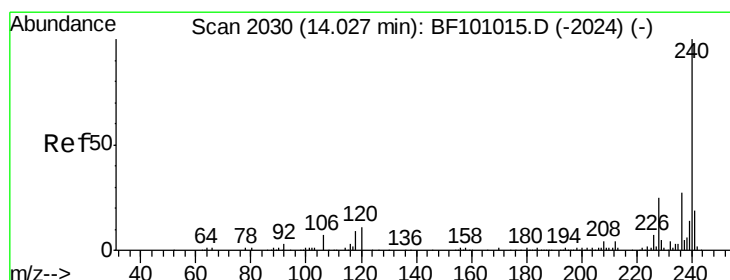
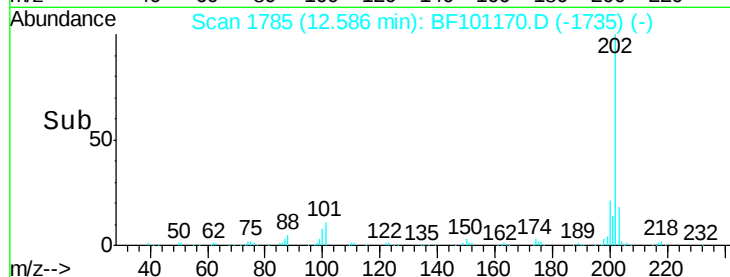
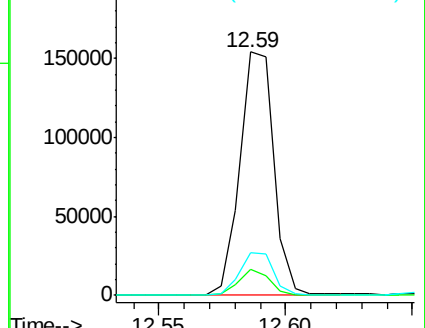
203 17.8 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

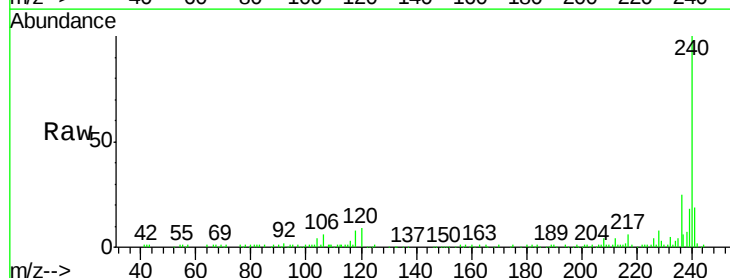
Tgt Ion:240 Resp: 103914

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

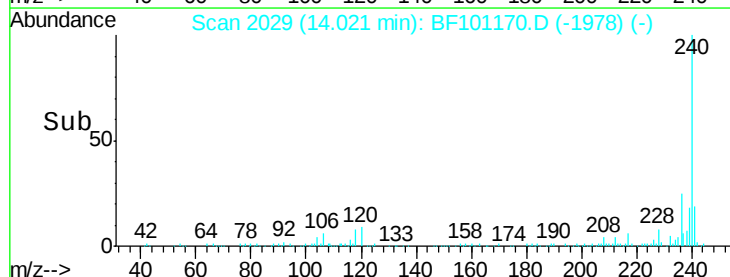
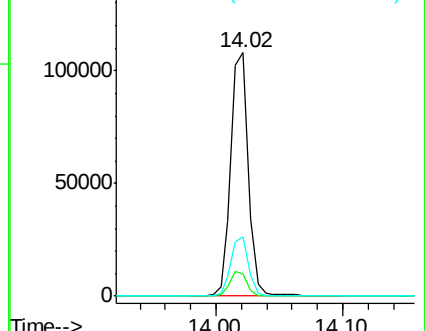
236 24.6 20.7 31.1

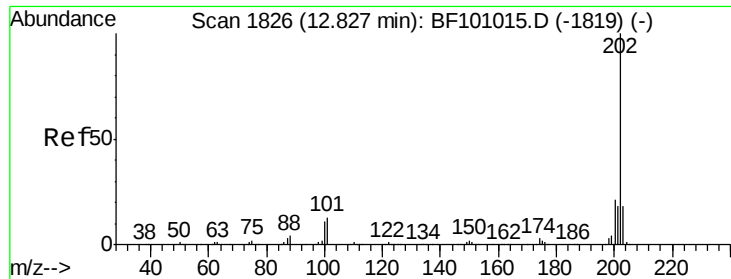


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

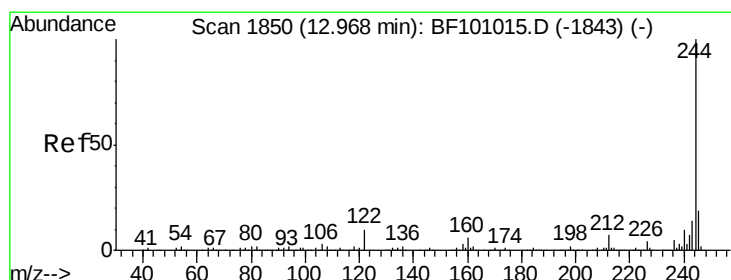
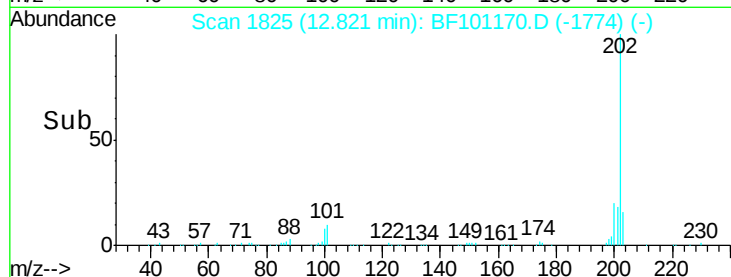
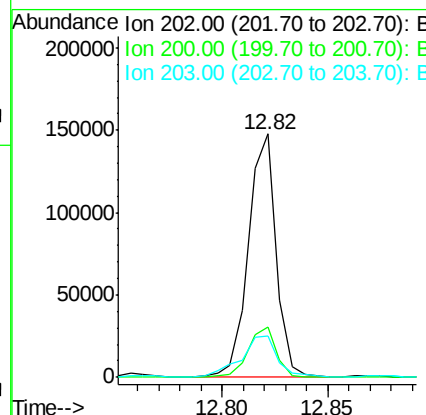
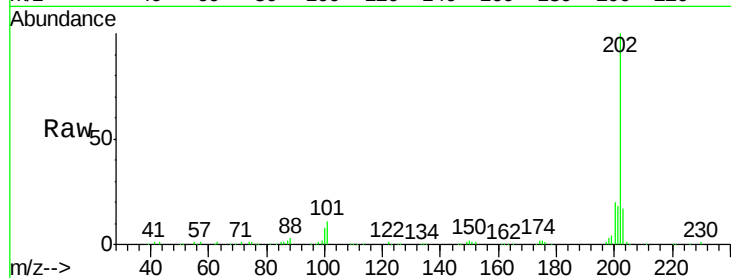




#77
Pvrene
Concen: 18.900 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

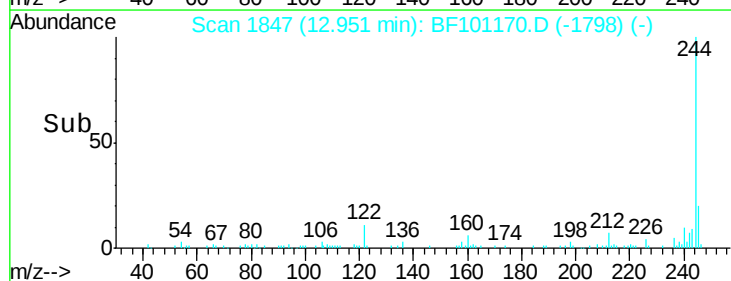
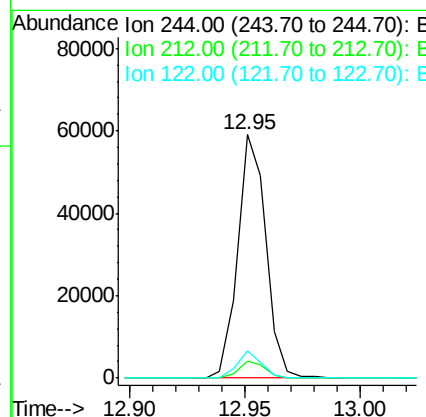
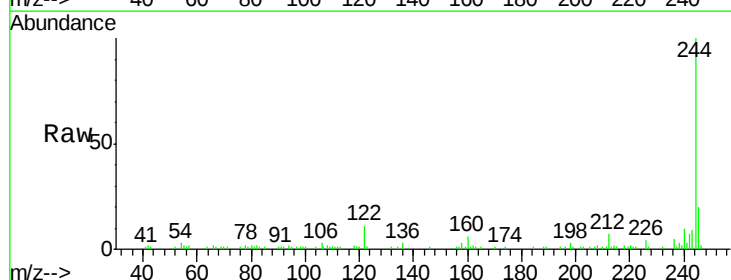
Instrument :
BNA_F
ClientSampleId :
SU-04-120517

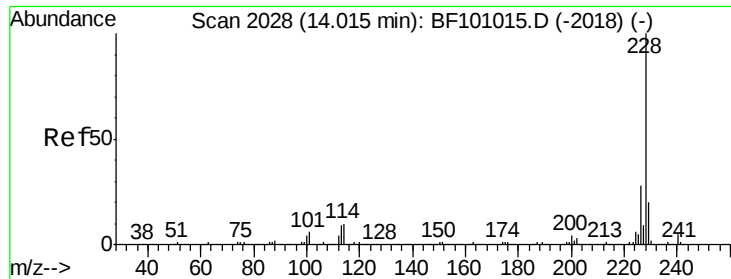
Tot Ion:202 Resp: 135523
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 16.9 14.3 21.5



#78
Terphenyl-d14
Concen: 10.579 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion:244 Resp: 50260
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 11.1 11.0 16.4

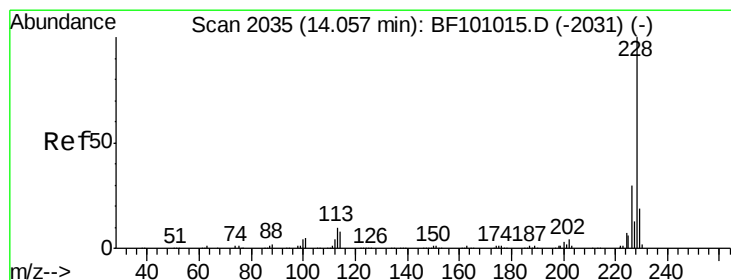
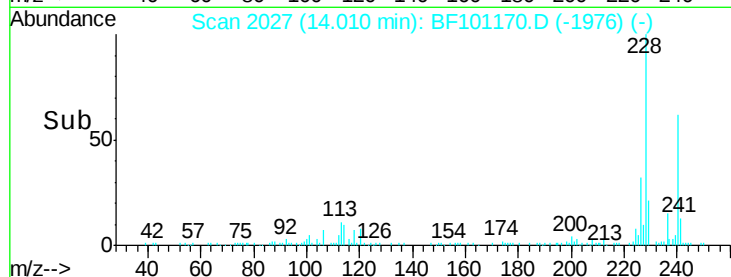
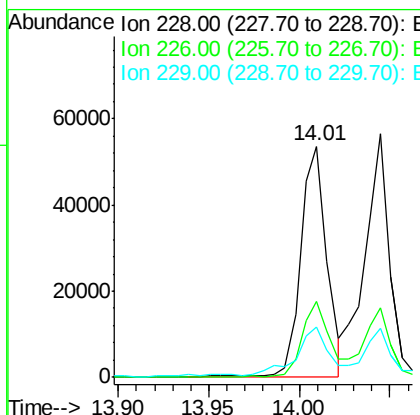
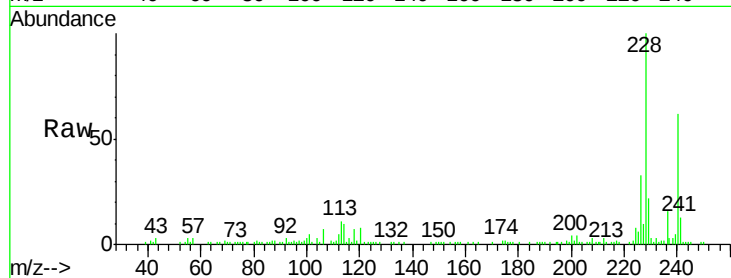




#80
Benzo(a)anthracene
Concen: 8.333 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

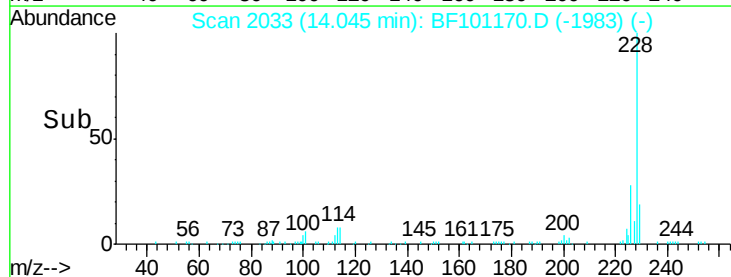
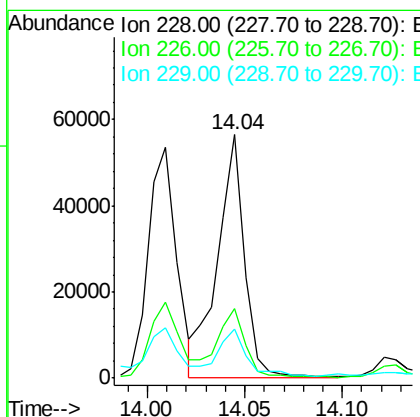
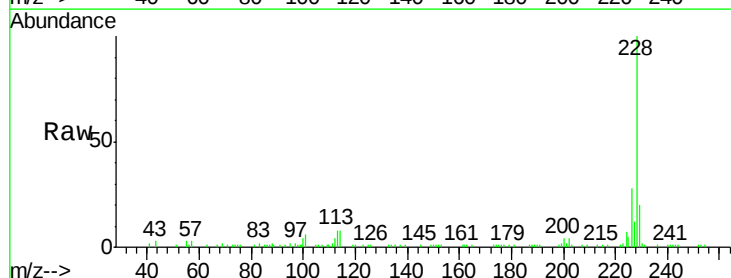
Instrument :
BNA_F
ClientSampleId :
SU-04-120517

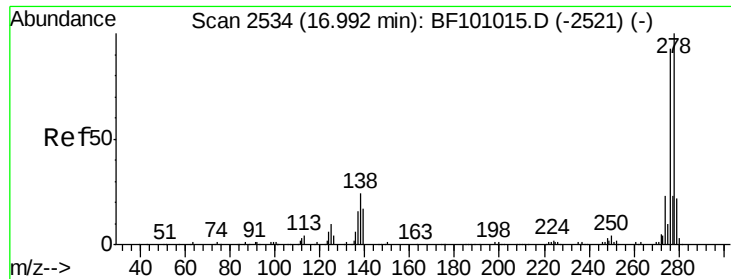
Tot Ion:228 Resp: 54674
Ion Ratio Lower Upper
228 100
226 32.6 22.6 33.8
229 21.8 15.8 23.6



#82
Chrysene
Concen: 8.991 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101170.D
Acq: 6 Dec 2017 16:24

Tgt Ion:228 Resp: 54786
Ion Ratio Lower Upper
228 100
226 28.5 25.0 37.6
229 20.1 16.2 24.4

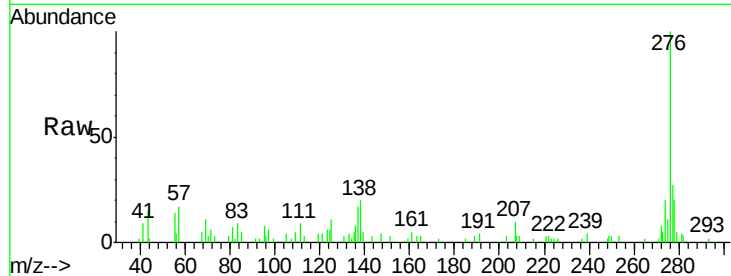




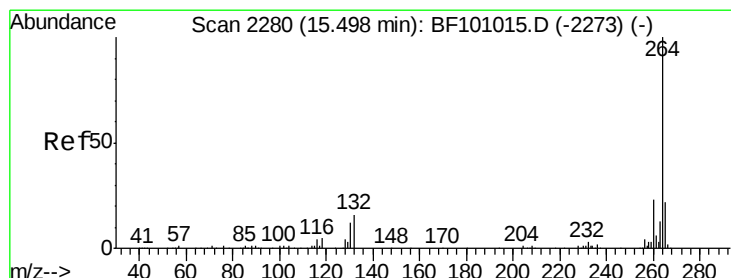
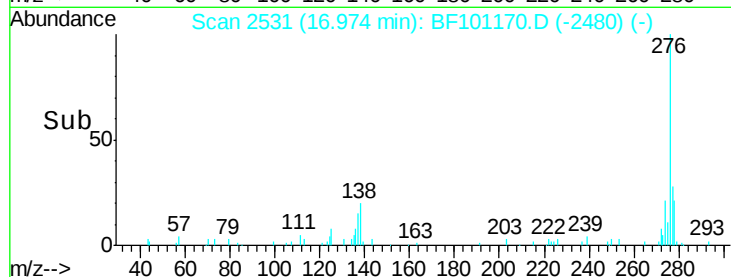
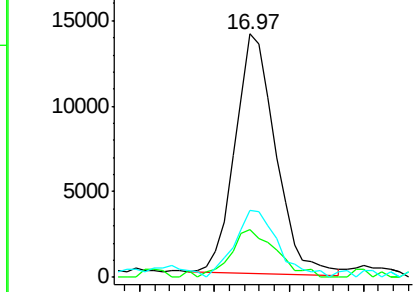
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.882 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-120517

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	25.0	37.6#
277	29.5	20.1	30.1

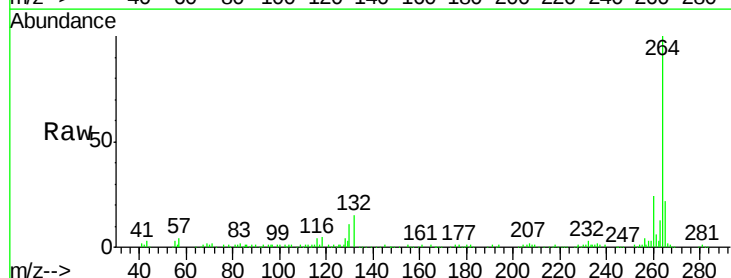


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

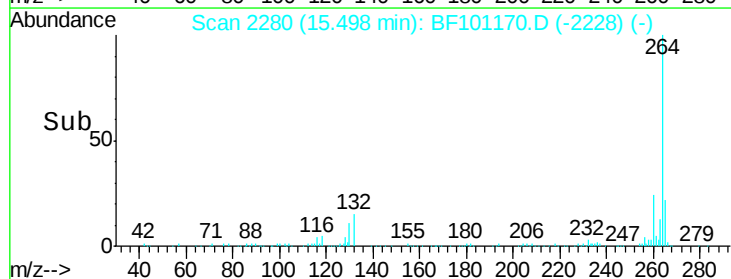
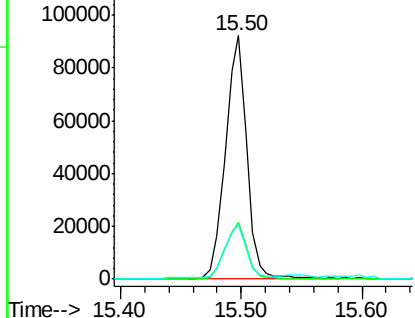


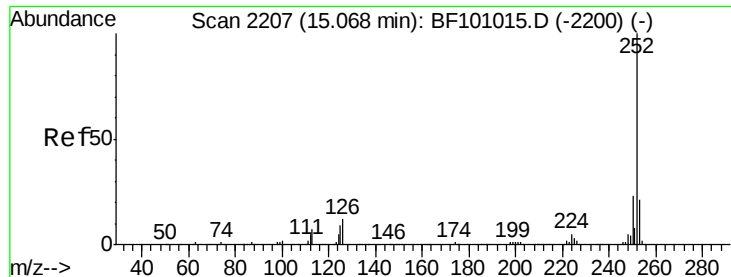
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF101170.D
 Acq: 6 Dec 2017 16:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	17.5	26.3



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





#87

Benzo(b)fluoranthene

Concen: 11.999 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

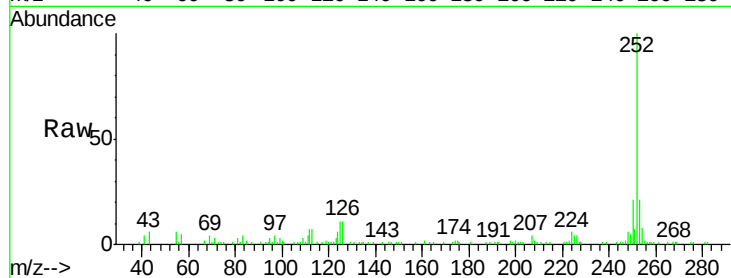
Tot Ion:252 Resp: 81542

Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.6

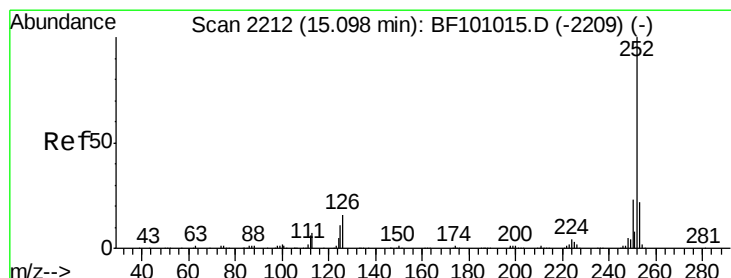
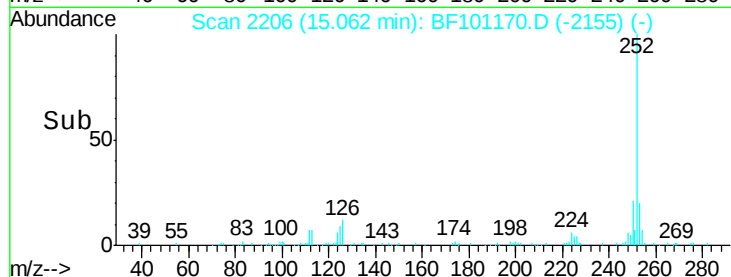
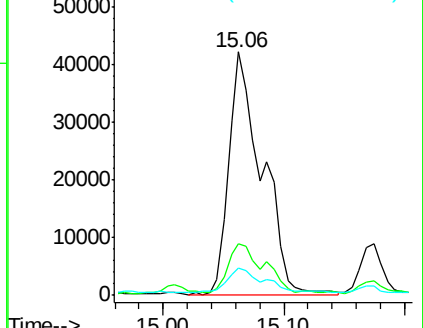
125 11.0 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 12.179 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

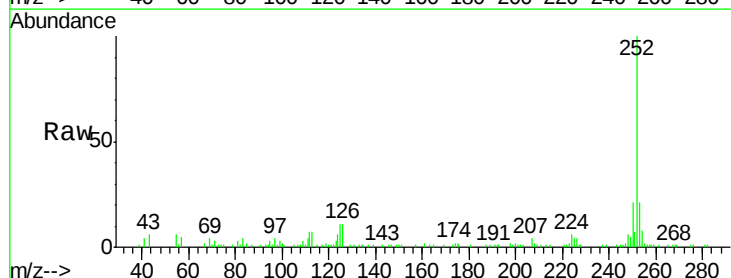
Tgt Ion:252 Resp: 81542

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

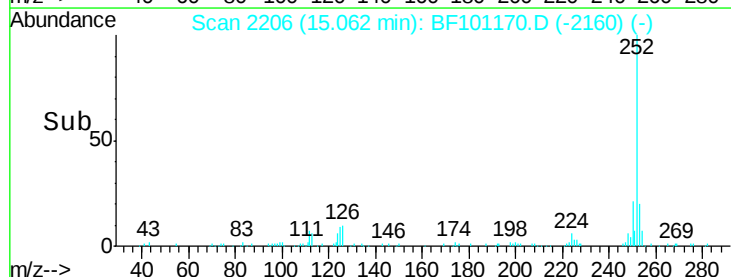
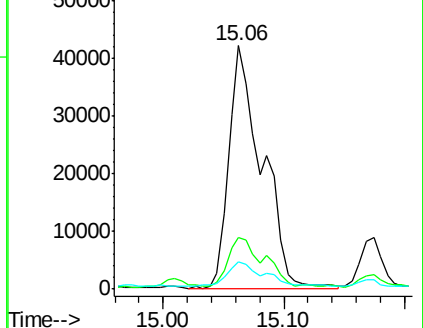
125 11.0 10.2 15.2

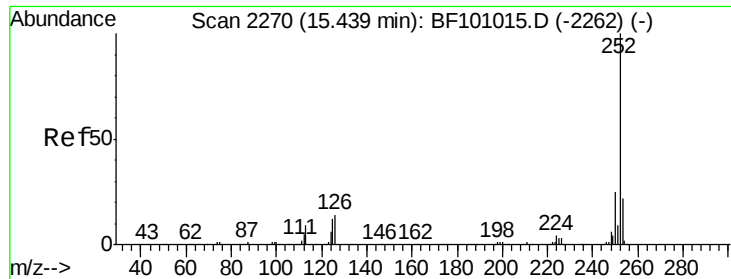


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.785 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

Instrument :

BNA_F

ClientSampleId :

SU-04-120517

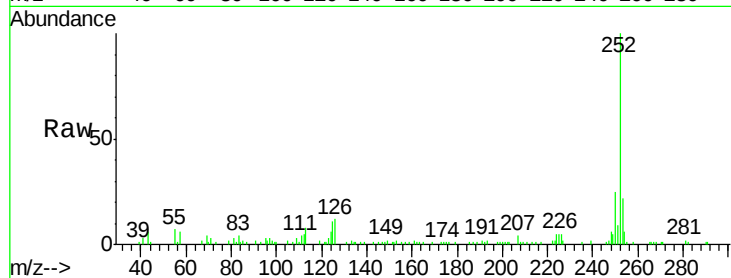
Tot Ion:252 Resp: 48096

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

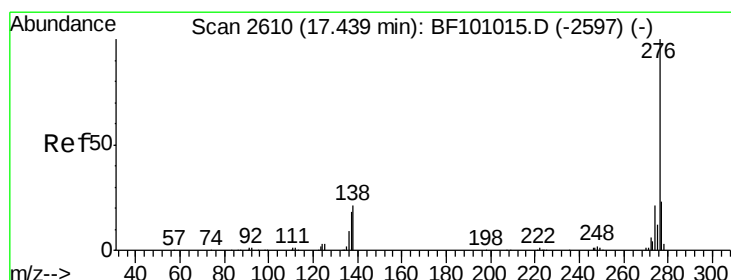
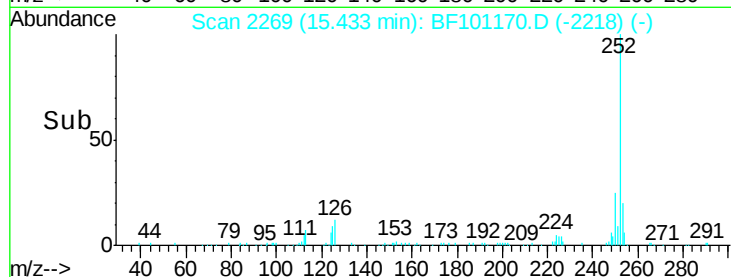
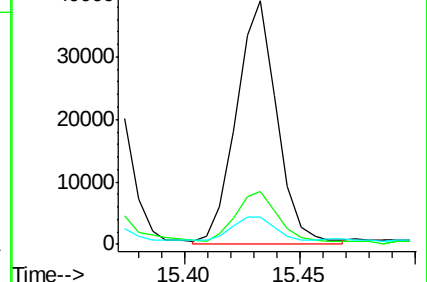
125 11.0 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 5.180 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101170.D

Acq: 6 Dec 2017 16:24

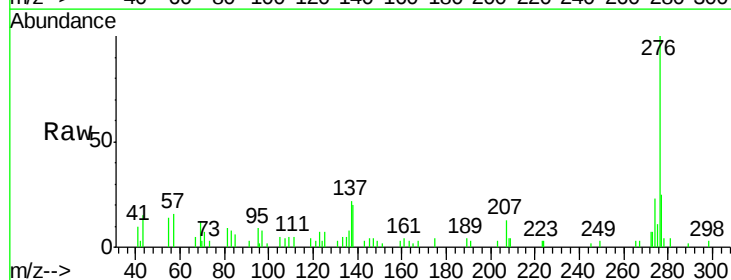
Tgt Ion:276 Resp: 26591

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 20.4 21.8 32.8#



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

