

Data File : BF100435.D
Acq On : 11 Nov 2017 12:48
Operator : SJ/JU
Sample : I6289-03 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-110817

Quant Time: Nov 13 01:06:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	142797	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	502643	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	188520	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	314130	20.00	ng	0.00
75) Chrysene-d12	14.07	240	313118	20.00	ng	0.00
86) Perylene-d12	15.55	264	228152	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	155756	17.48	ng	0.00
7) Phenol-d6	6.52	99	184012	16.75	ng	-0.01
23) Nitrobenzene-d5	7.46	82	101350	13.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	28597	14.89	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	187541	15.15	ng	0.00
78) Terphenyl-d14	13.01	244	151501	11.12	ng	0.00
Target Compounds						
25) Isophorone	7.46	82	101191	6.33	ng	# 64
47) 2-Nitroaniline	9.40	65	113	2.81	ng	# 2
50) 2,6-Dinitrotoluene	9.94	165	25767	9.04	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	25767	7.17	ng	# 23
70) Phenanthrene	11.45	178	37142	2.25	ng	95
74) Fluoranthene	12.64	202	53274	3.04	ng	97
77) Pyrene	12.87	202	52305	2.34	ng	97
88) Benzo(k)fluoranthene	15.12	252	25986	2.03	ng	# 75

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

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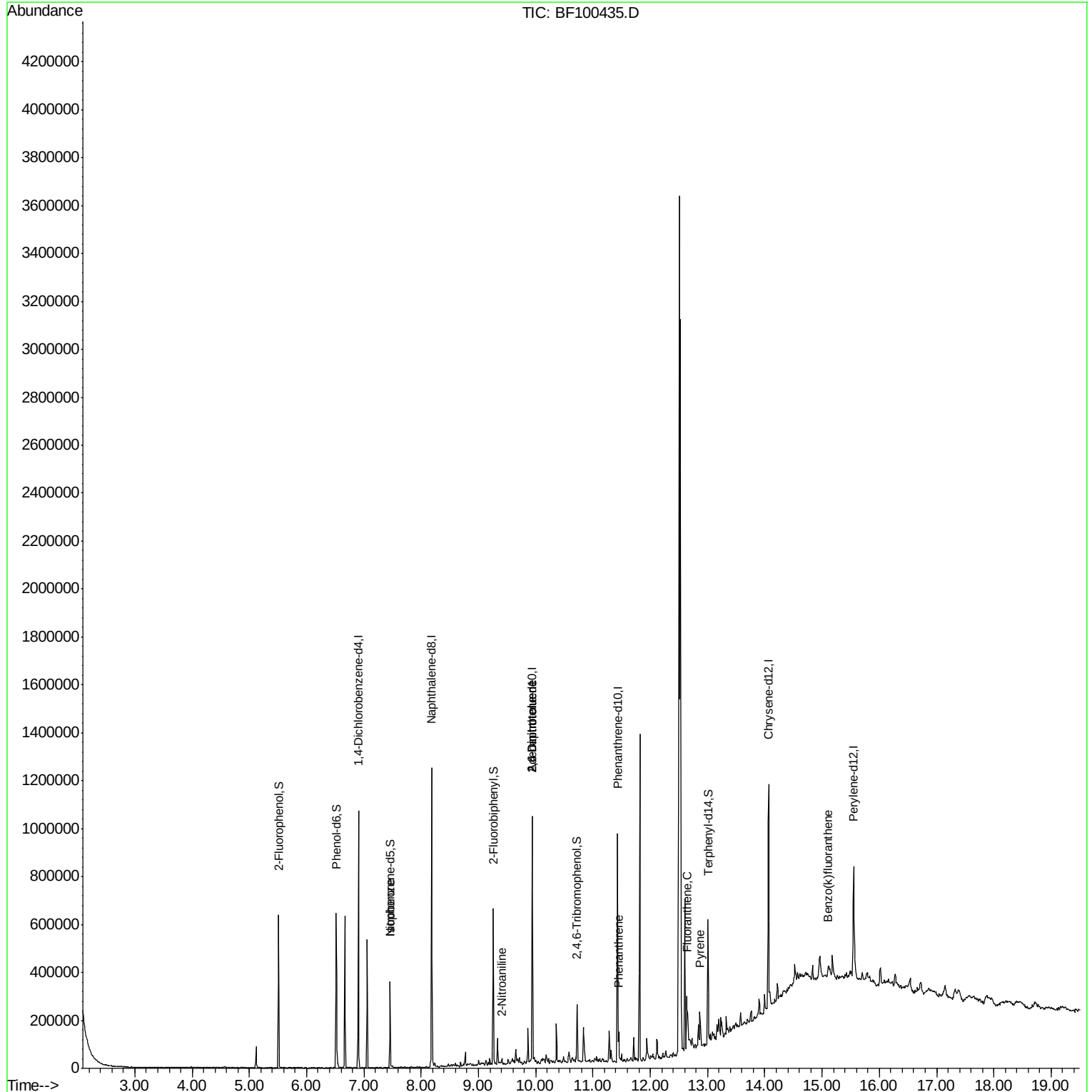
Quant Time: Nov 13 01:06:51 2017

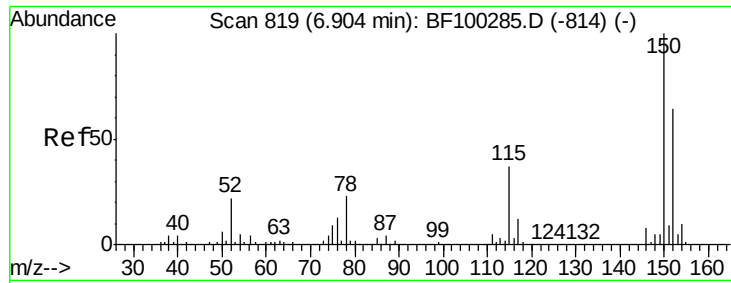
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

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SU-02-110817

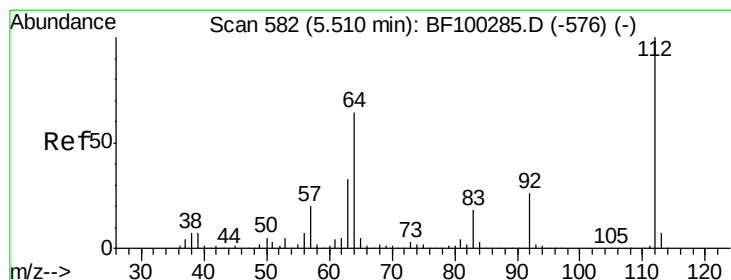
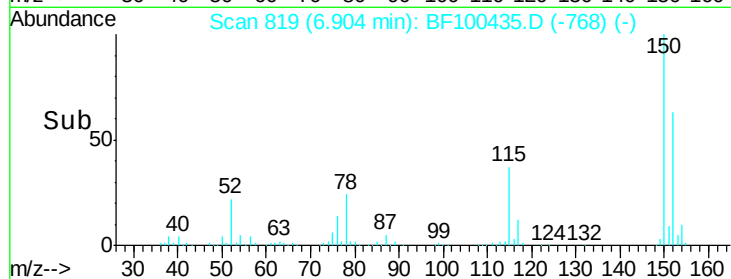
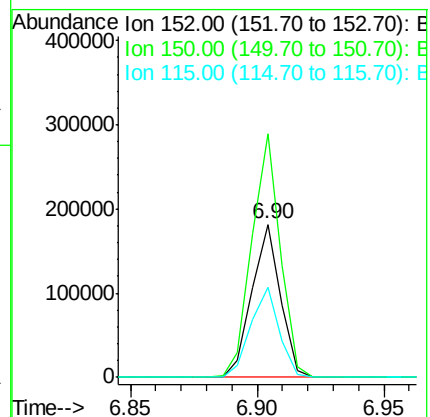
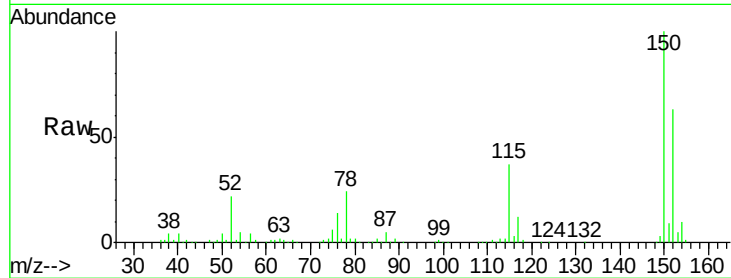
Tgt Ion:152 Resp: 142797

Ion Ratio Lower Upper

152 100

150 159.3 124.6 186.8

115 59.0 50.1 75.1



#5

2-Fluorophenol

Concen: 17.48 ng

RT: 5.51 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

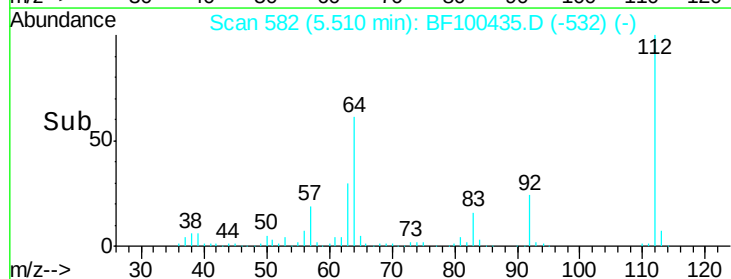
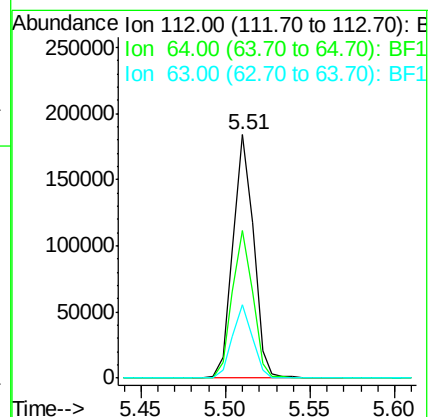
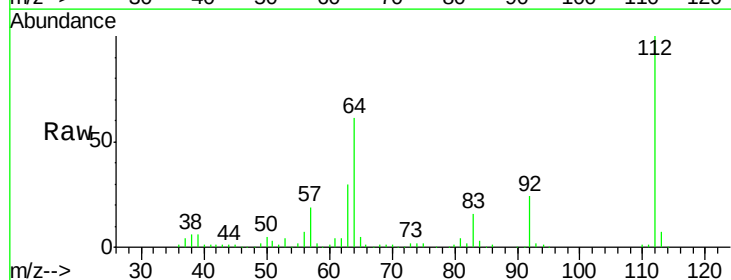
Tgt Ion:112 Resp: 155756

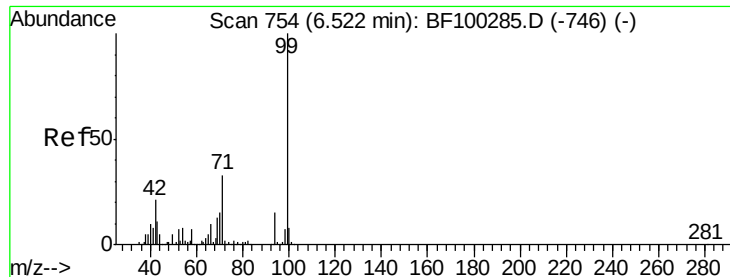
Ion Ratio Lower Upper

112 100

64 60.8 47.9 71.9

63 30.2 23.7 35.5





#7

Phenol-d6

Concen: 16.75 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

Instrument :

BNA_F

ClientSampleId :

SU-02-110817

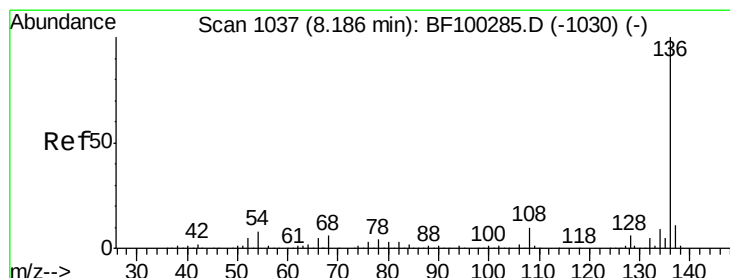
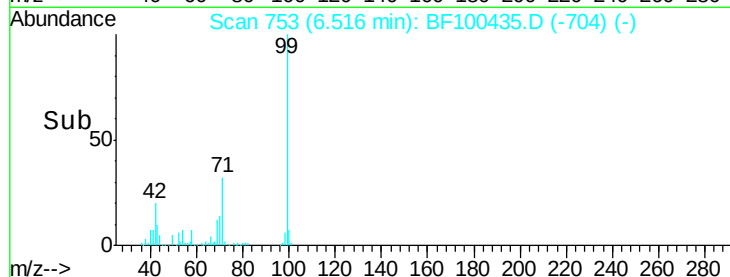
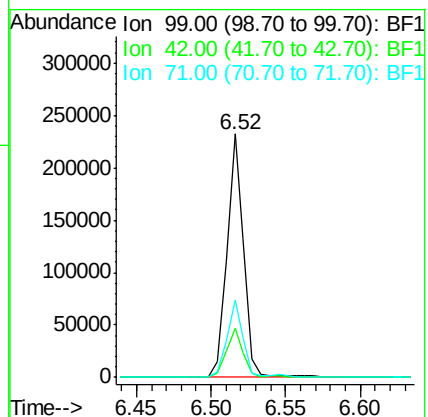
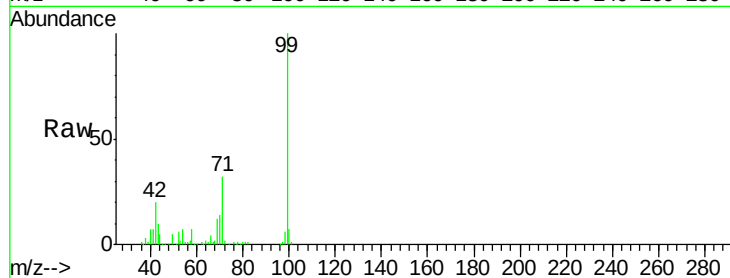
Tgt Ion: 99 Resp: 184012

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 31.7 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

Tgt Ion: 136 Resp: 502643

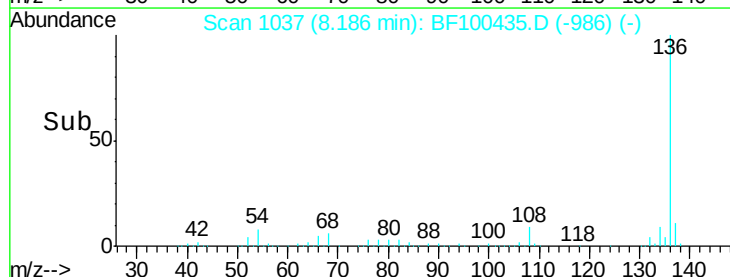
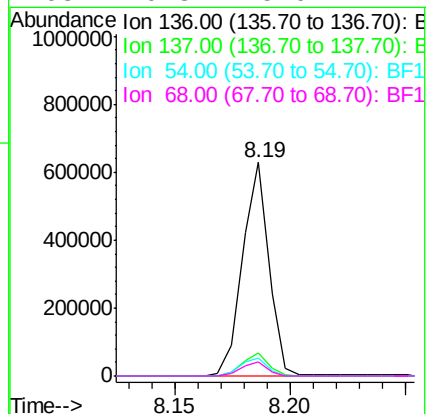
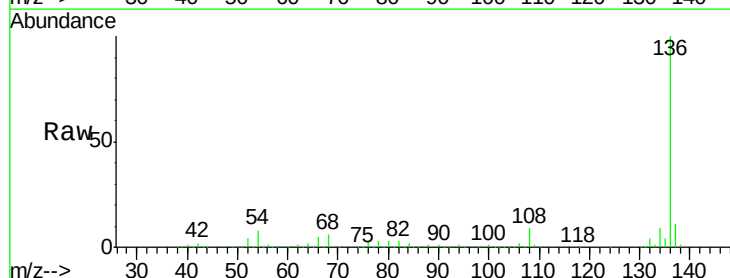
Ion Ratio Lower Upper

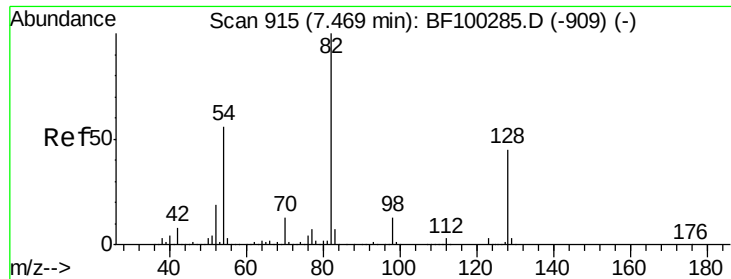
136 100

137 10.8 8.9 13.3

54 8.4 6.6 9.8

68 6.3 5.0 7.4

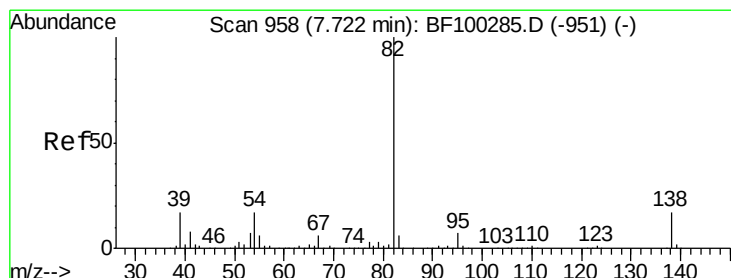
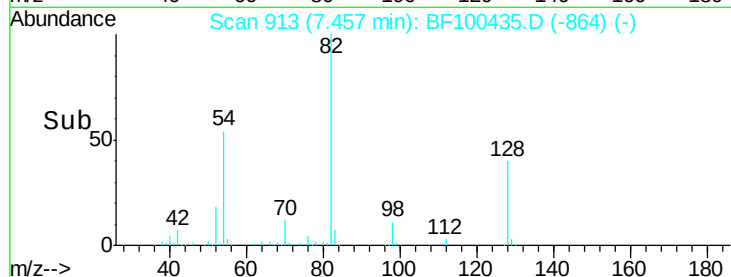
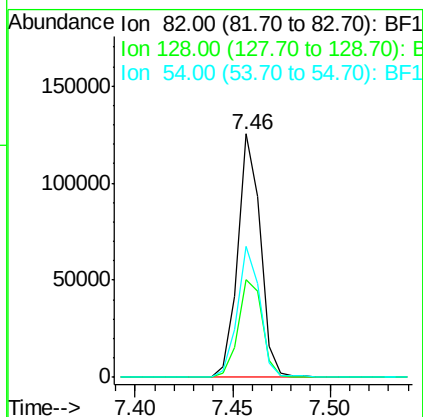
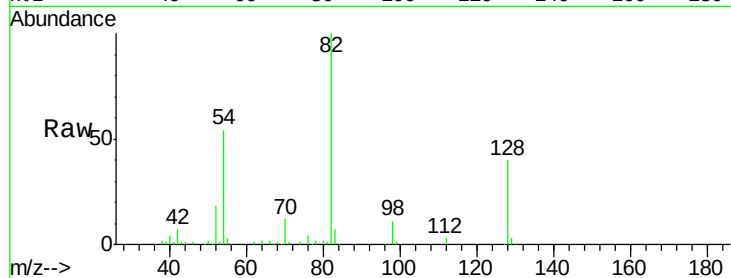




#23
Nitrobenzene-d5
Concen: 13.33 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

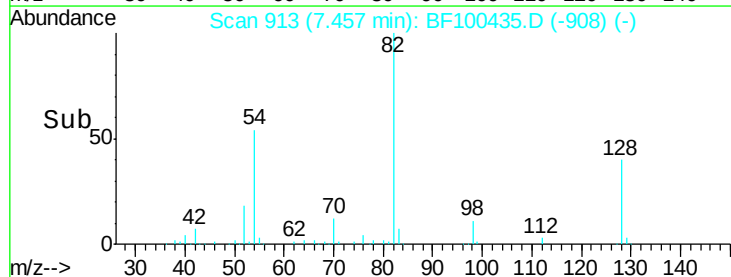
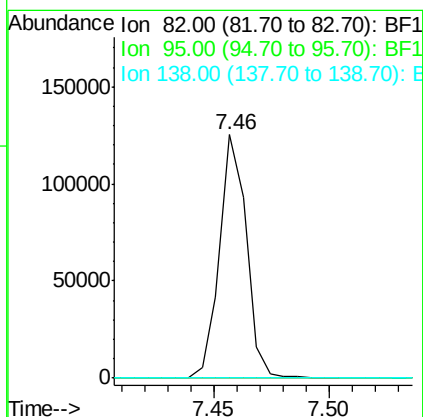
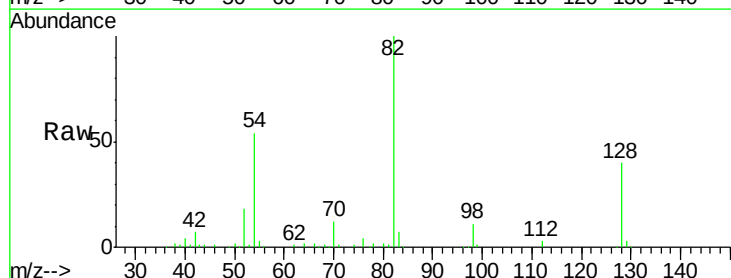
Instrument :
BNA_F
ClientSampleId :
SU-02-110817

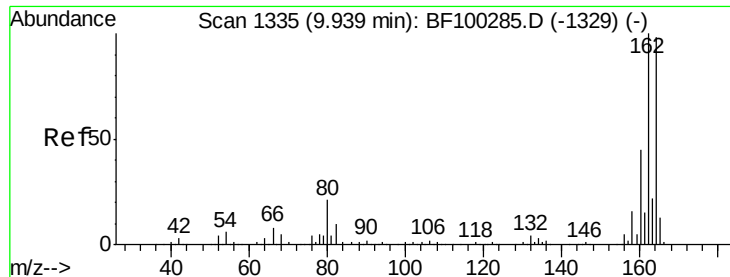
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.1	36.1	54.1
54	53.9	41.4	62.2



#25
Isophorone
Concen: 6.33 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.27 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

Instrument :

BNA_F

ClientSampleId :

SU-02-110817

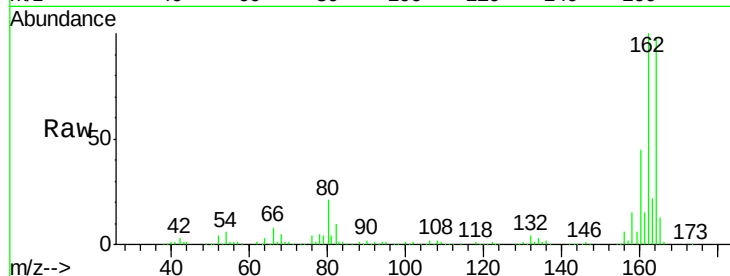
Tgt Ion:164 Resp: 188520

Ion Ratio Lower Upper

164 100

162 102.0 86.1 129.1

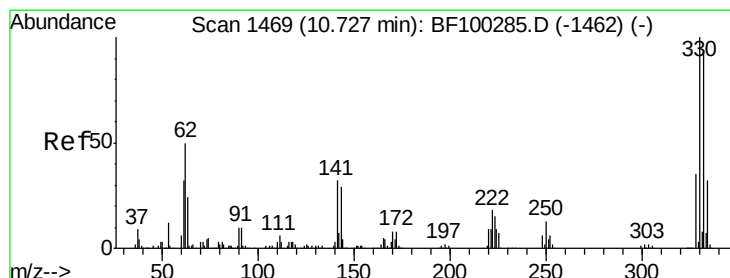
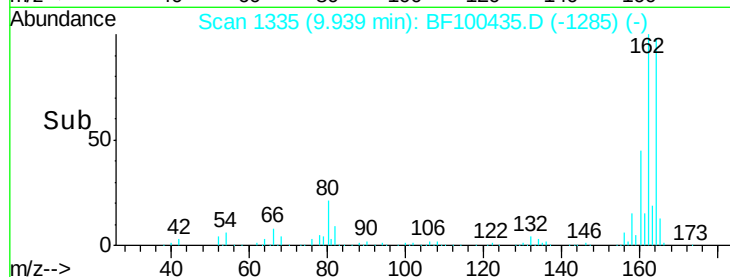
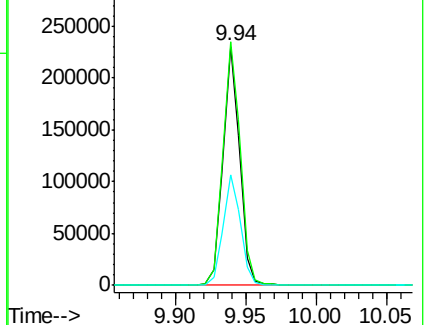
160 46.3 38.3 57.5



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: 14.89 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

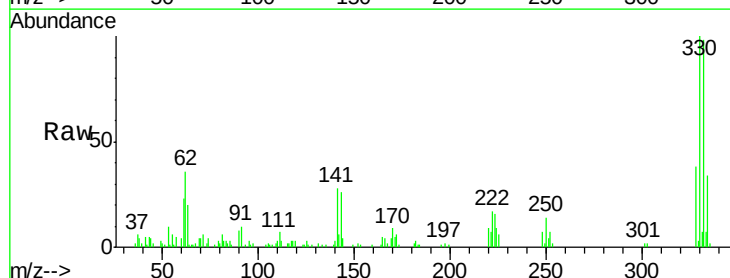
Tgt Ion:330 Resp: 28597

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

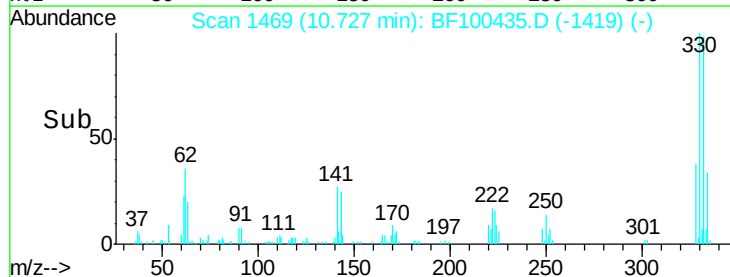
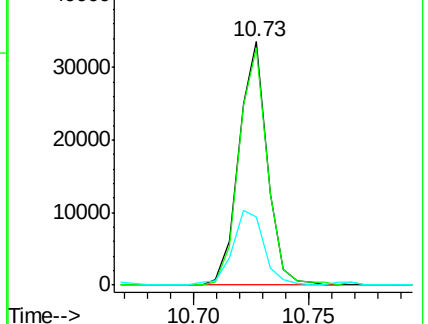
141 34.5 29.9 44.9

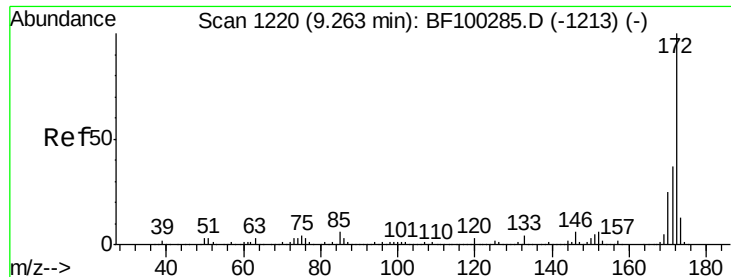


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

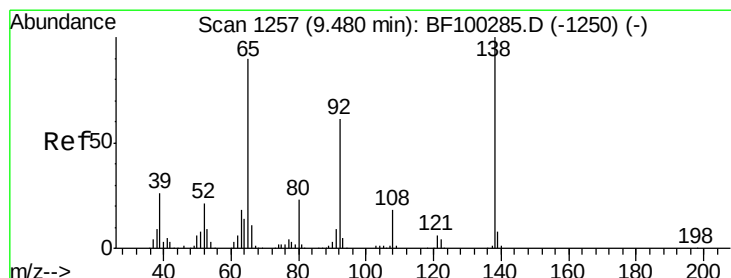
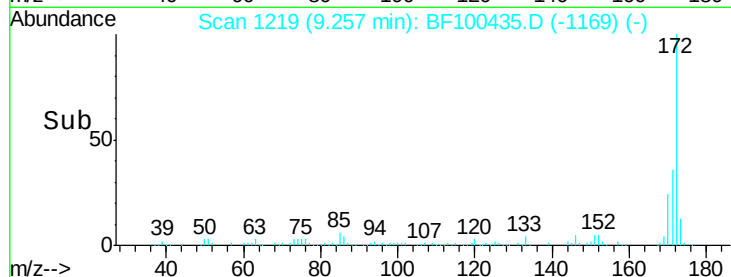
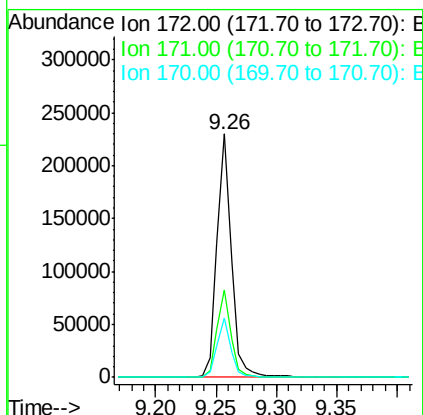
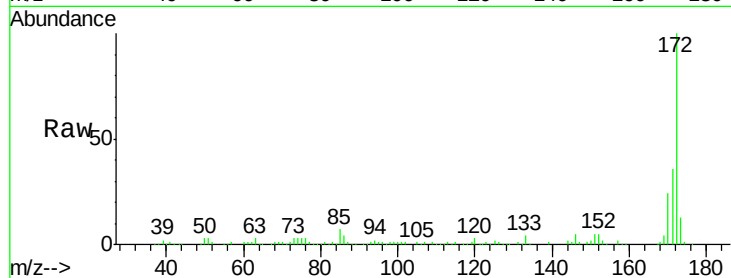




#44
 2-Fluorobiphenyl
 Concen: 15.15 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100435.D
 Acq: 11 Nov 2017 12:48

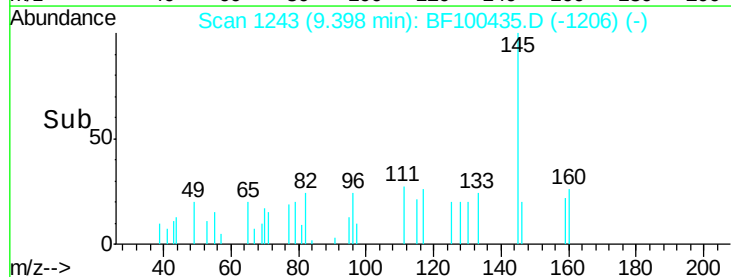
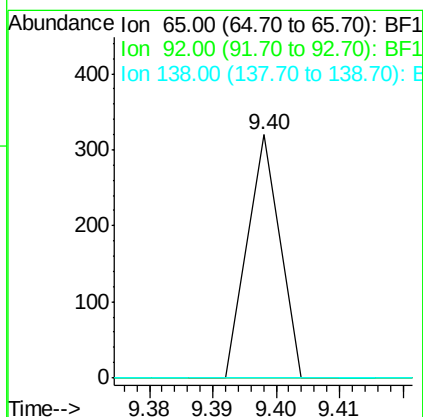
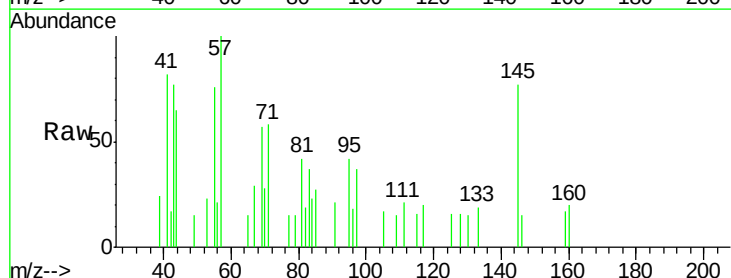
Instrument :
 BNA_F
 ClientSampleId :
 SU-02-110817

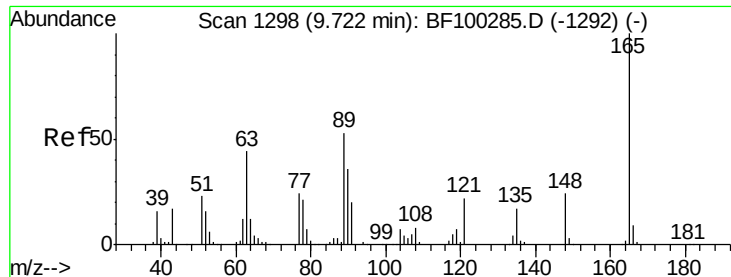
Tgt Ion: 172 Resp: 187541
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.3 19.6 29.4



#47
 2-Nitroaniline
 Concen: 2.81 ng
 RT: 9.40 min Scan# 1243
 Delta R.T. -0.08 min
 Lab File: BF100435.D
 Acq: 11 Nov 2017 12:48

Tgt Ion: 65 Resp: 113
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#

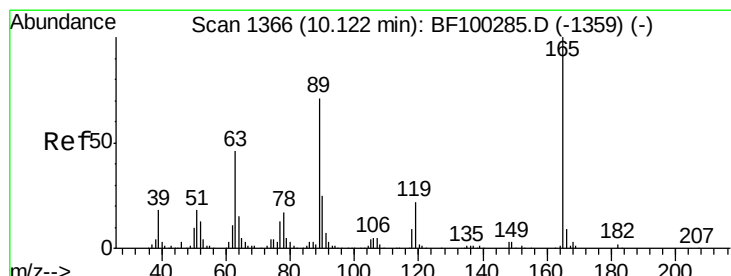
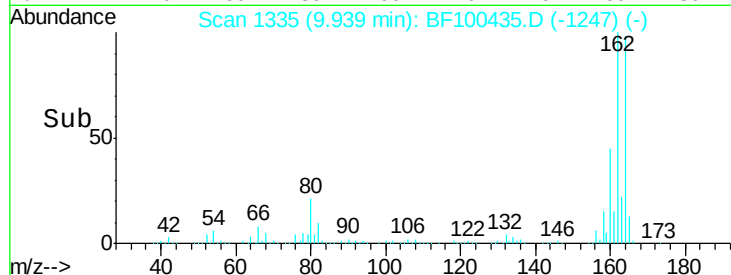
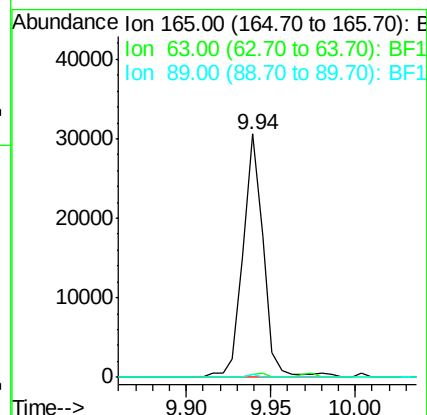
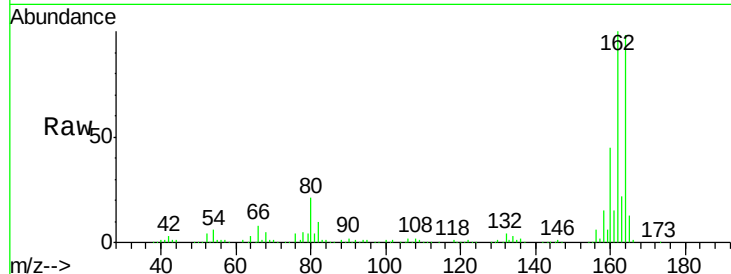




#50
2,6-Dinitrotoluene
Concen: 9.04 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.22 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

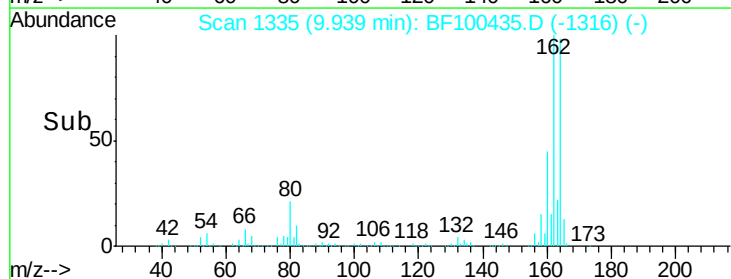
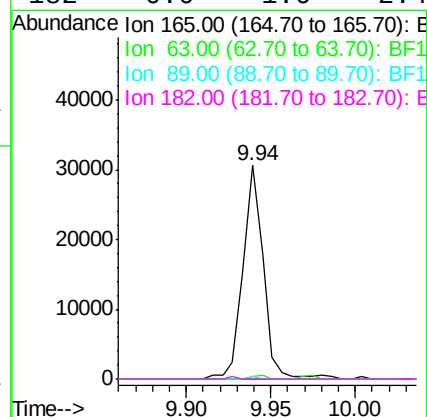
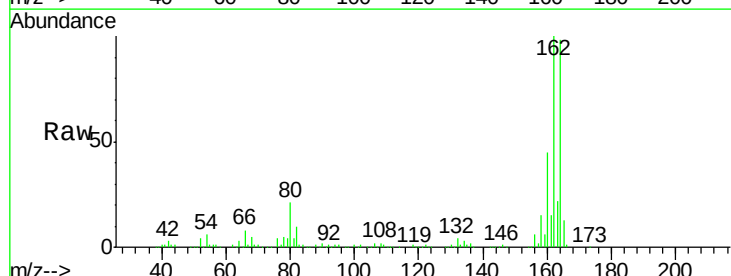
Instrument :
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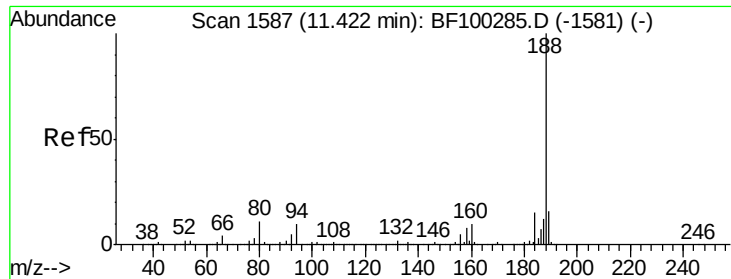
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#



#56
2,4-Dinitrotoluene
Concen: 7.17 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.19 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

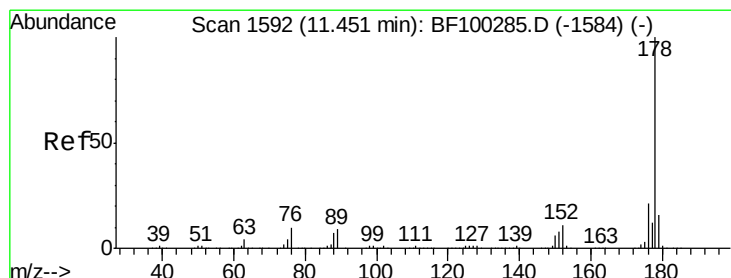
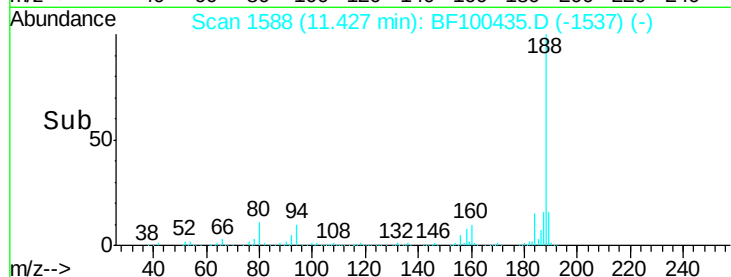
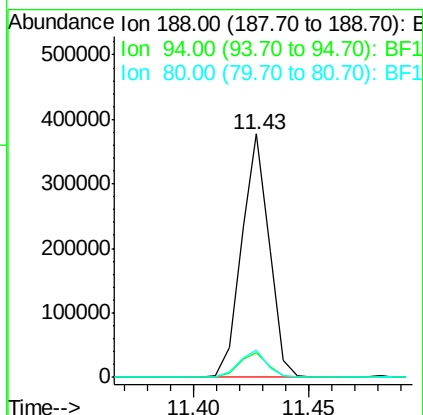
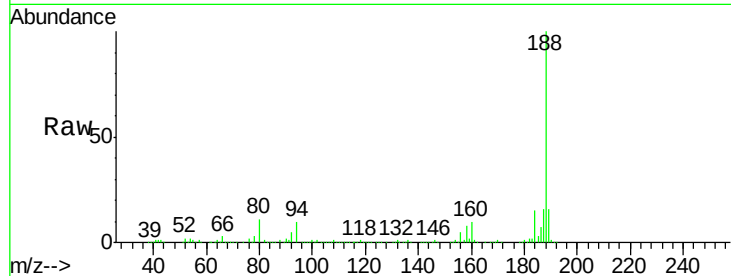




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

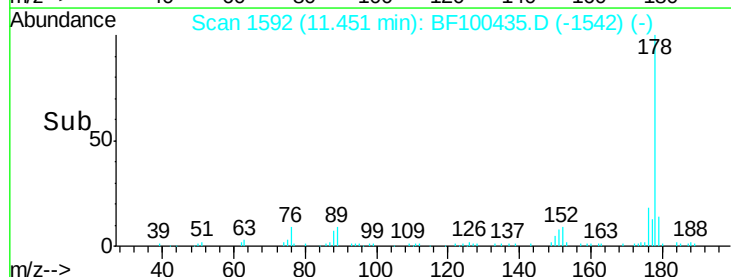
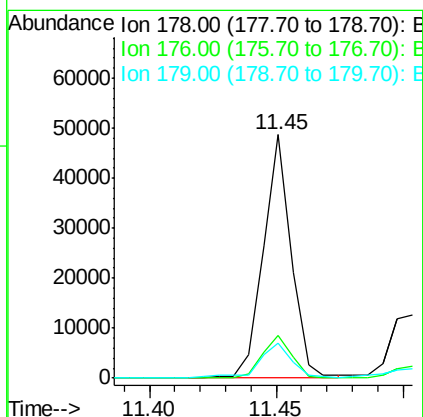
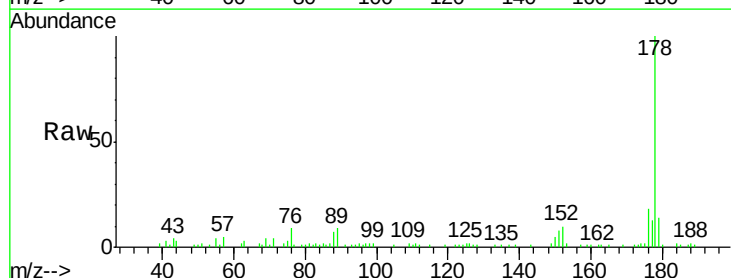
Instrument :
BNA_F
ClientSampleId :
SU-02-110817

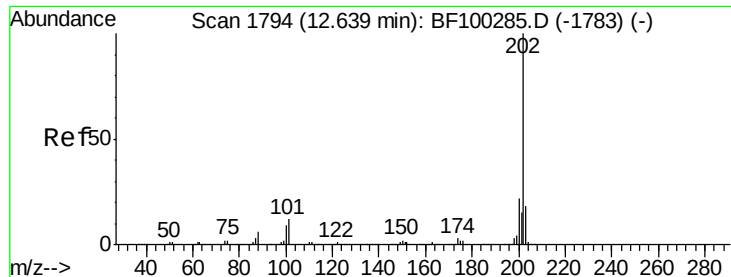
Tgt Ion:188 Resp: 314130
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.1 9.2 13.8



#70
Phenanthrene
Concen: 2.25 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

Tgt Ion:178 Resp: 37142
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 14.3 13.0 19.6

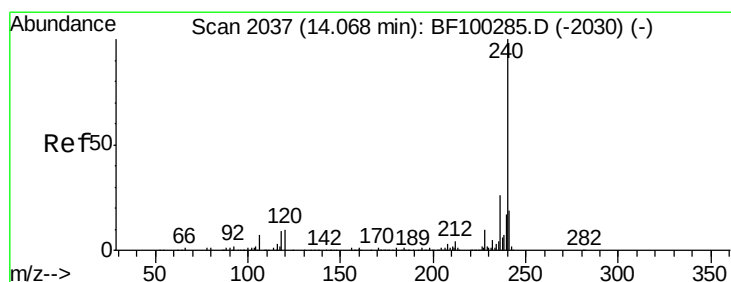
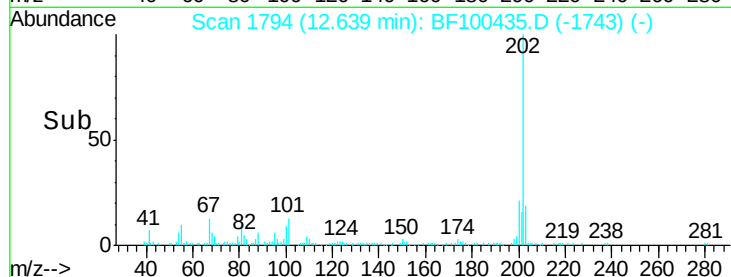
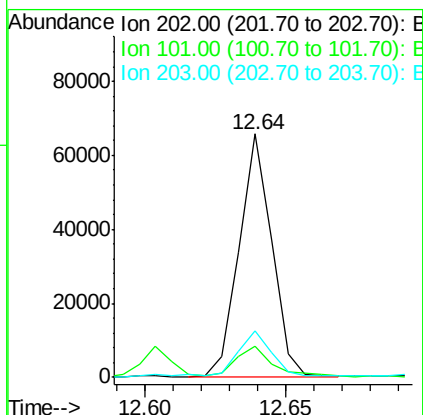
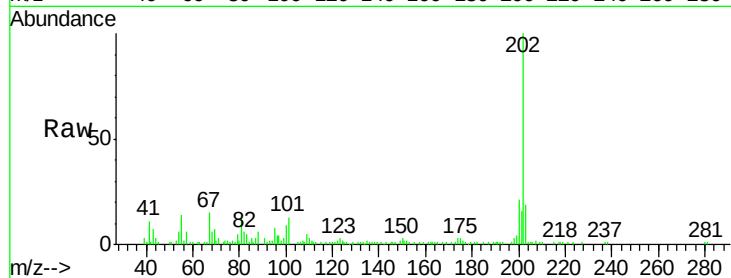




#74
Fluoranthene
Concen: 3.04 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

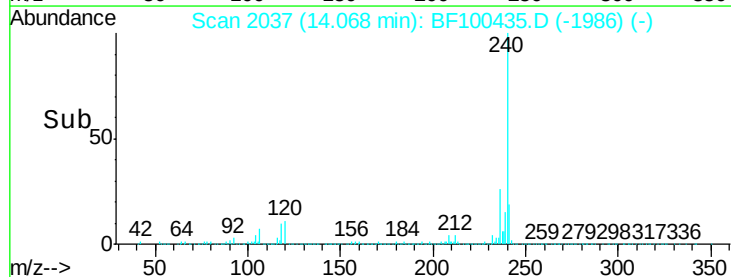
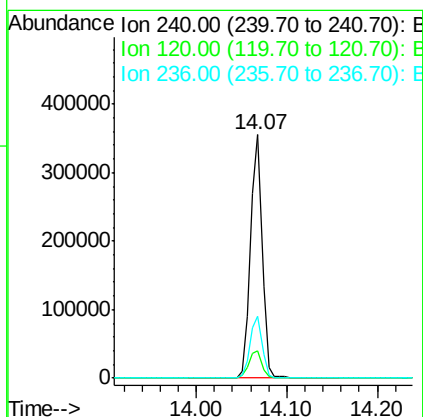
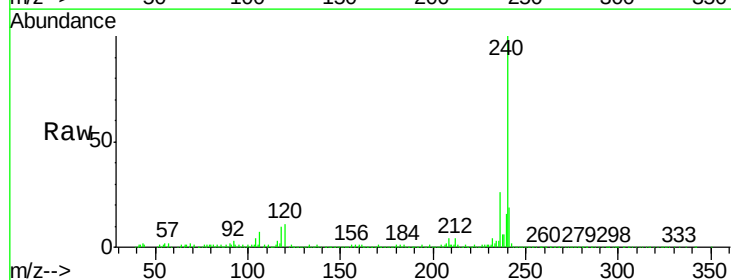
Instrument :
BNA_F
ClientSampleId :
SU-02-110817

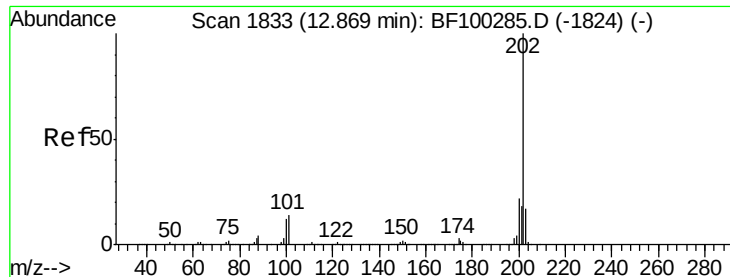
Tgt Ion:202 Resp: 53274
Ion Ratio Lower Upper
202 100
101 12.6 0.0 34.1
203 19.3 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.00 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

Tgt Ion:240 Resp: 313118
Ion Ratio Lower Upper
240 100
120 11.1 9.5 14.3
236 25.6 20.7 31.1





#77

Pyrene

Concen: 2.34 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

Instrument :

BNA_F

ClientSampleId :

SU-02-110817

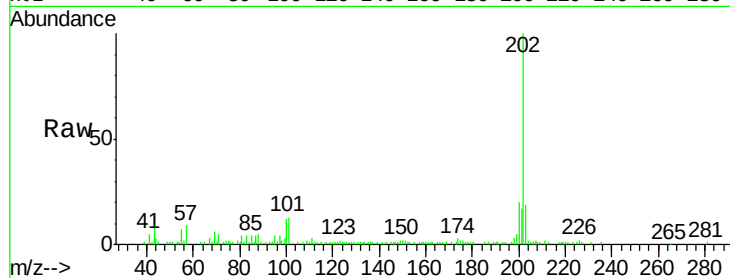
Tgt Ion:202 Resp: 52305

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

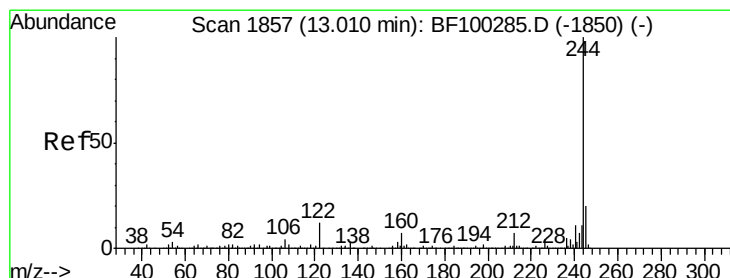
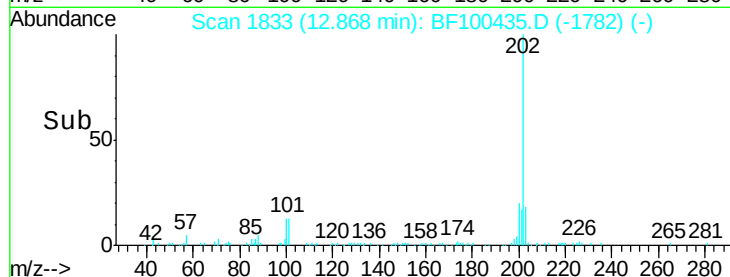
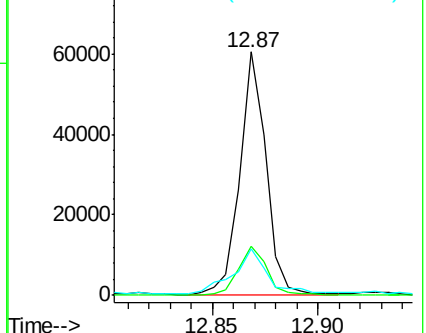
203 19.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 11.12 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.00 min

Lab File: BF100435.D

Acq: 11 Nov 2017 12:48

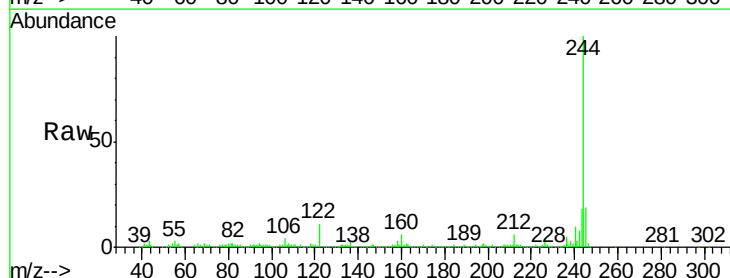
Tgt Ion:244 Resp: 151501

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

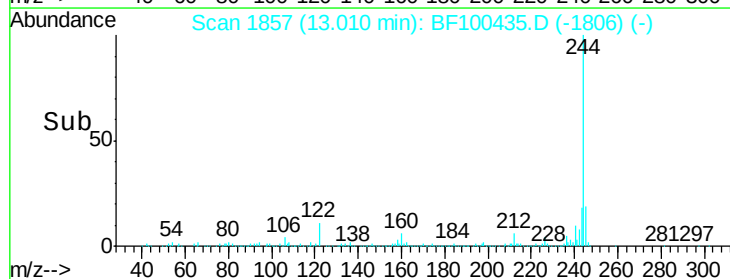
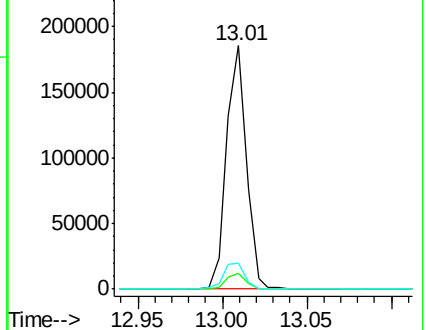
122 10.8 11.0 16.4#

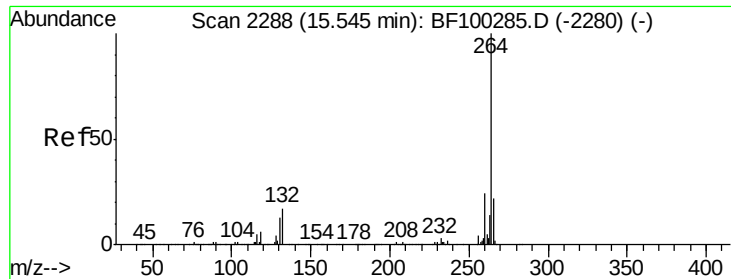


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

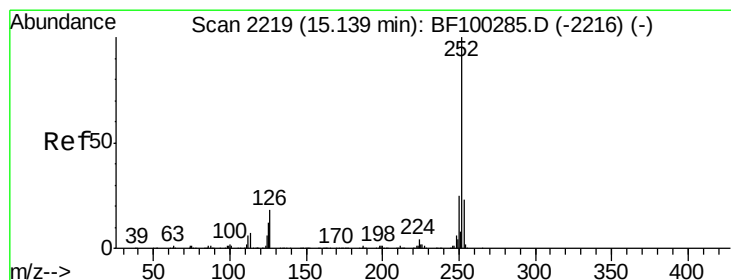
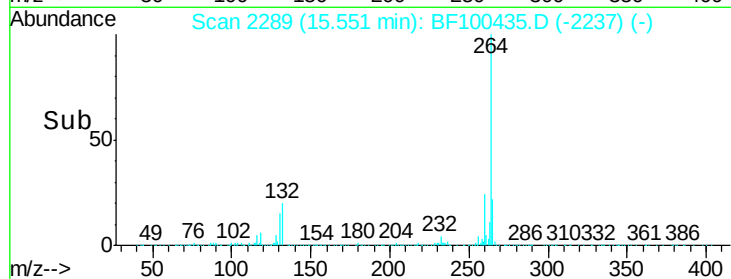
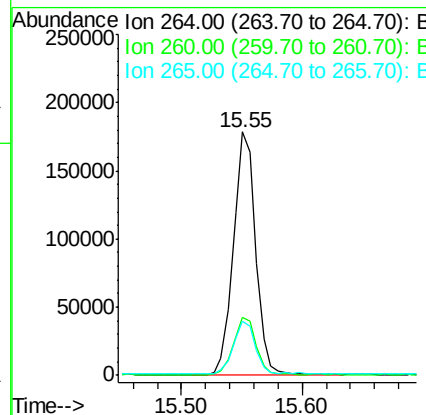
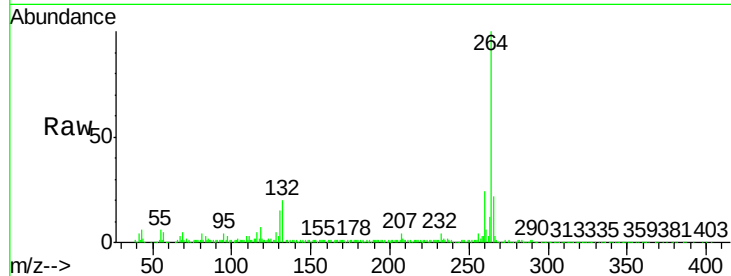




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.01 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

Instrument :
BNA_F
ClientSampleId :
SU-02-110817

Tgt Ion: 264 Resp: 228152
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.1 17.5 26.3



#88
Benzo(k)fluoranthene
Concen: 2.03 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF100435.D
Acq: 11 Nov 2017 12:48

Tgt Ion: 252 Resp: 25986
Ion Ratio Lower Upper
252 100
253 29.5 17.9 26.9#
125 29.2 10.2 15.2#

