

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098922.D
 Acq On : 28 Sep 2017 22:28
 Operator : SJ/JU
 Sample : I5440-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-3

Manual Integrations
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 9/29/2017 6:04:37 PM

Quant Time: Sep 29 02:21:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	146717	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	576910	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	227421	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	327415	20.00	ng	0.00
75) Chrysene-d12	14.09	240	229217	20.00	ng	0.00
86) Perylene-d12	15.58	264	255875	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1050184	113.95	ng	0.00
7) Phenol-d6	6.55	99	1259203	110.75	ng	0.00
23) Nitrobenzene-d5	7.48	82	776294	86.29	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	188973	101.55	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1126109	82.66	ng	0.00
78) Terphenyl-d14	13.03	244	733275	72.75	ng	0.00
Target Compounds						
10) Phenol	6.56	94	35775	2.814	ng	98
49) Dimethylphthalate	9.66	163	243749	14.201	ng	99
70) Phenanthrene	11.46	178	59116	3.373	ng	97
74) Fluoranthene	12.65	202	116236	6.550	ng	99
77) Pyrene	12.89	202	107087	6.127	ng	99
80) Benzo(a)anthracene	14.07	228	52997m	3.818	ng	
82) Chrysene	14.11	228	52309	3.959	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	27000	2.554	ng	97
87) Benzo(b)fluoranthene	15.14	252	76661m	4.873	ng	
89) Benzo(a)pyrene	15.52	252	46490	3.219	ng	# 90

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

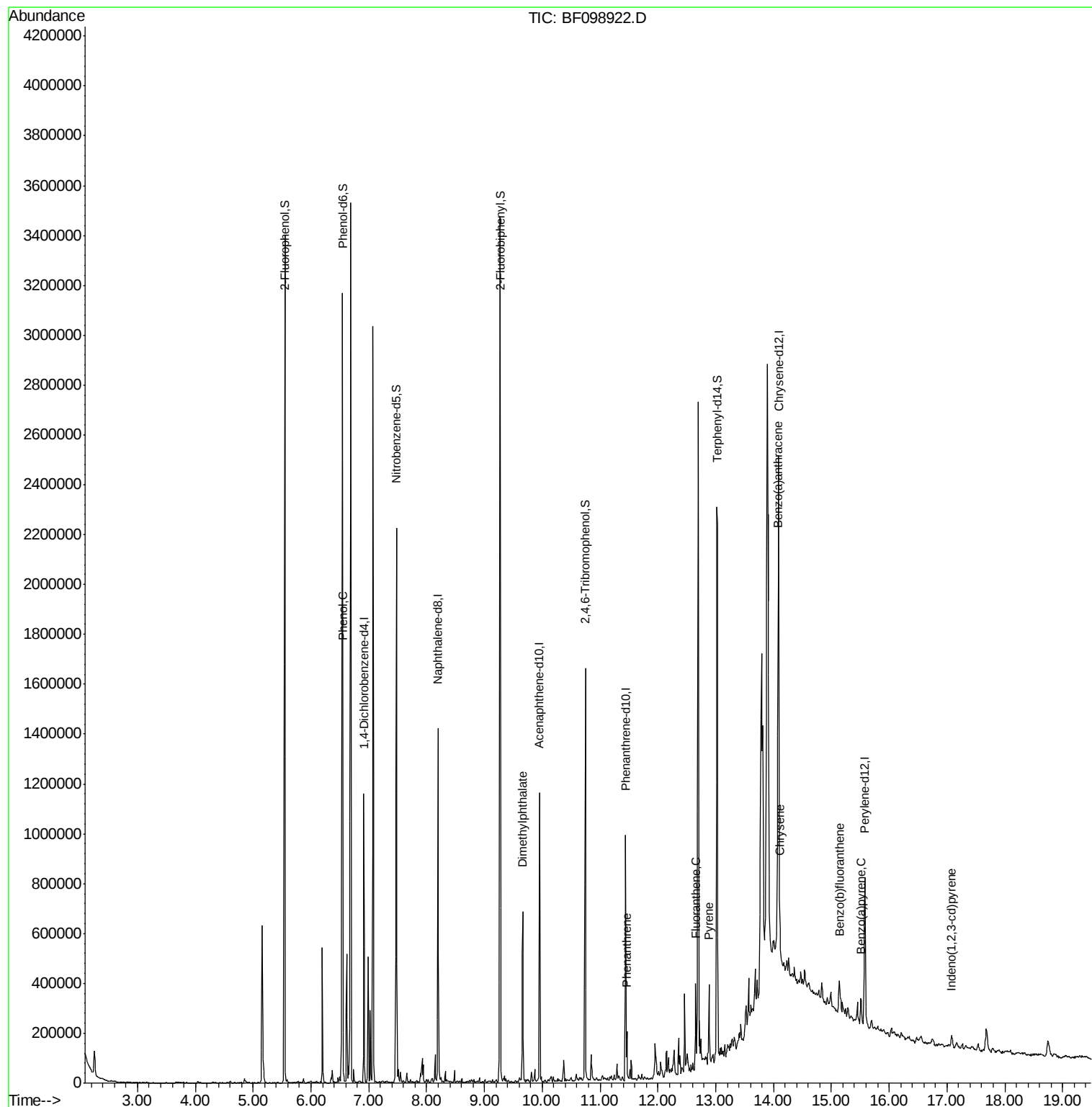
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098922.D
Acq On : 28 Sep 2017 22:28
Operator : SJ/JU
Sample : I5440-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

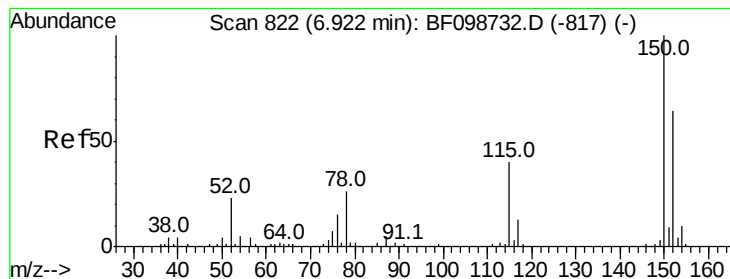
Instrument :
BNA_F
ClientSampleId :
W-3

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Quant Time: Sep 29 02:21:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

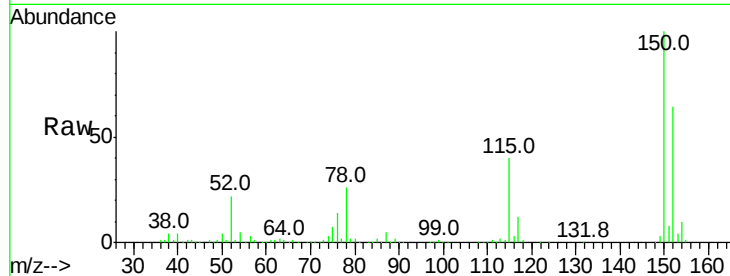
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampled :
W-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	61.9	50.1	75.1

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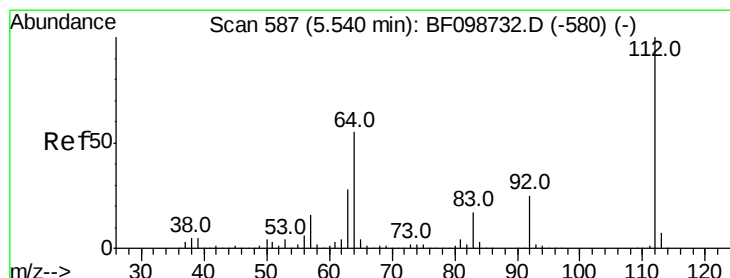
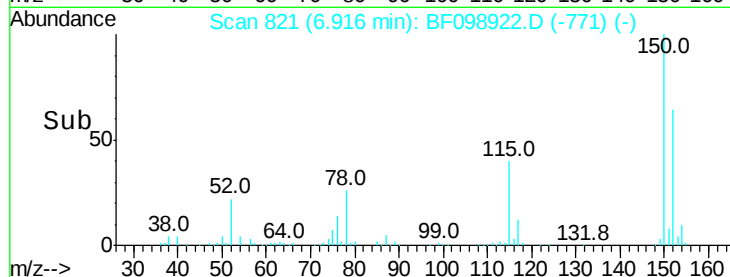
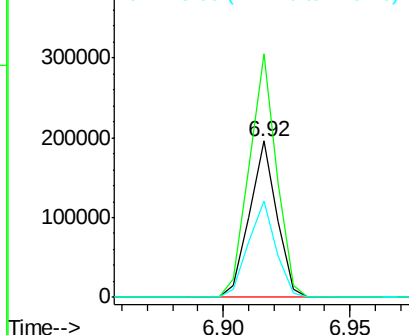


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

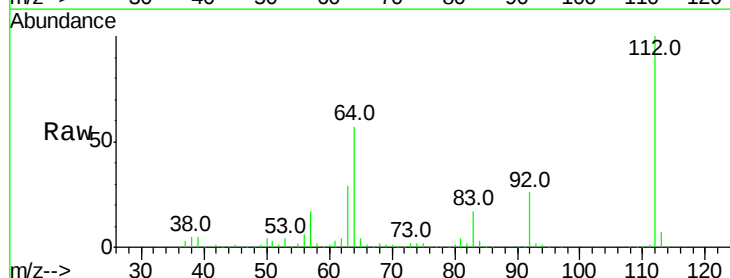
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 113.946 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.9	71.9
63	29.1	23.7	35.5

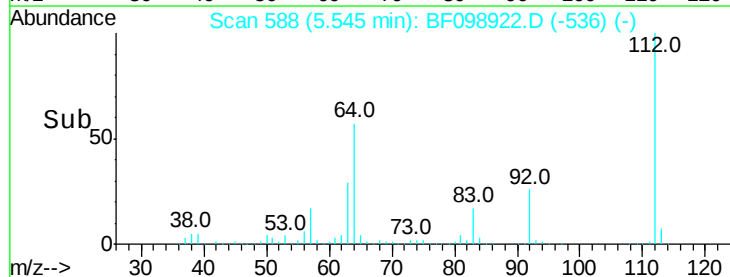
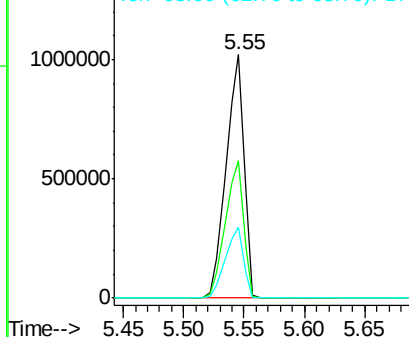


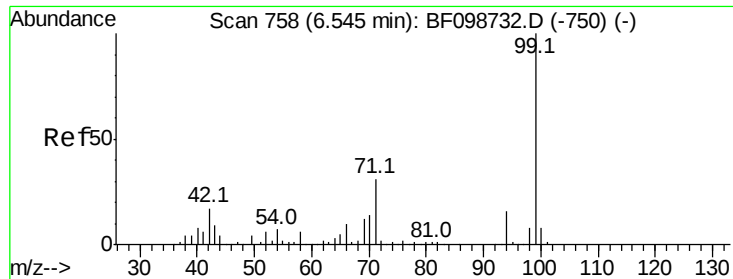
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.752 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

W-3

Tot Ion: 99 Resp: 1259203

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

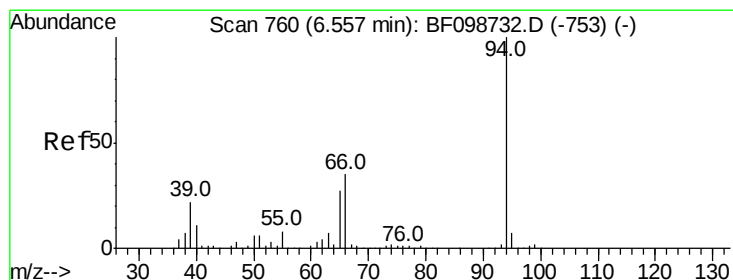
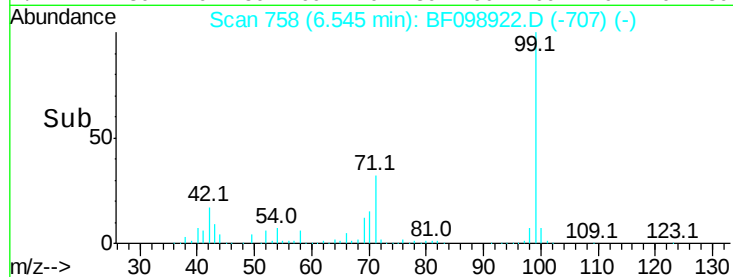
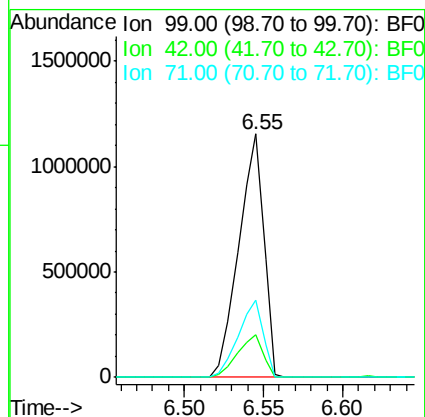
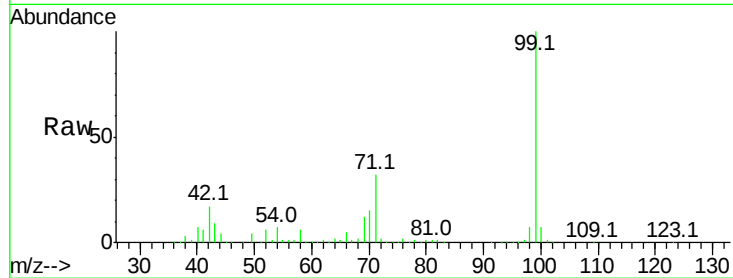
71 32.0 25.4 38.0

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#10

Phenol

Concen: 2.814 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

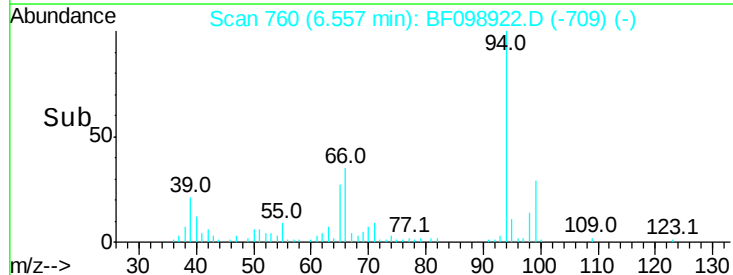
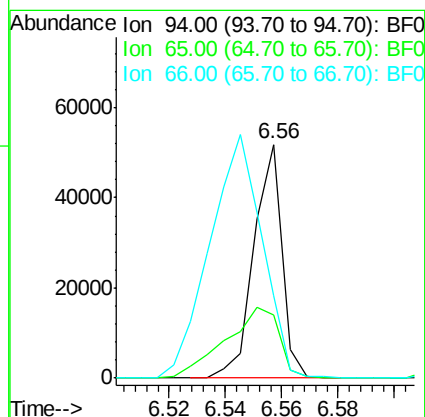
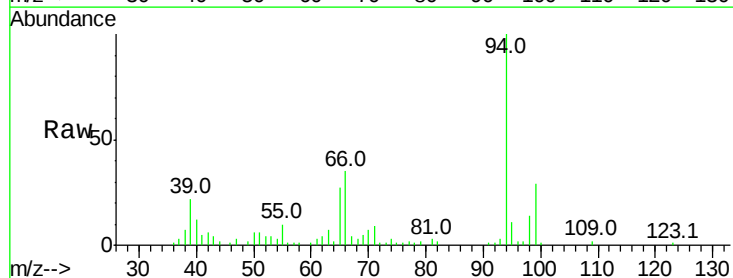
Tgt Ion: 94 Resp: 35775

Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

66 35.1 16.2 56.2





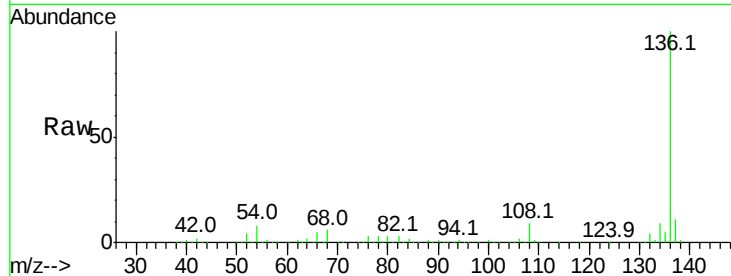
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampled :
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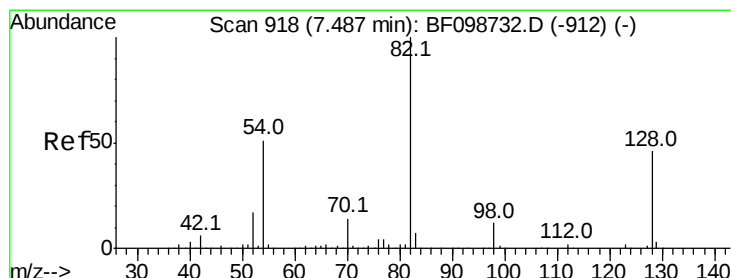
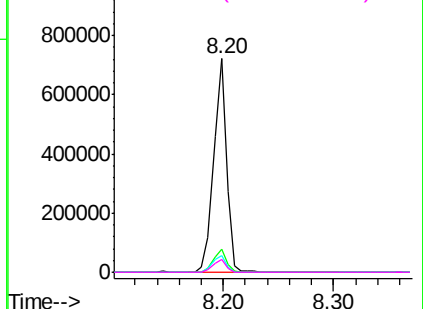
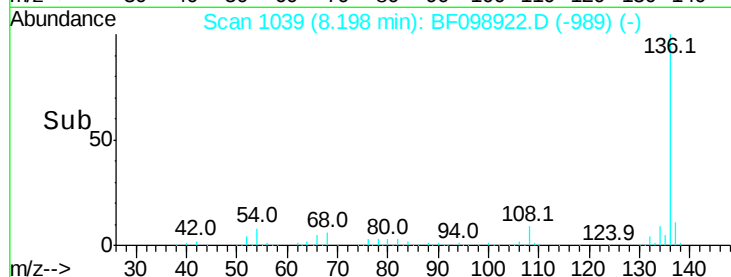
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.5	6.6	9.8	
68	6.0	5.0	7.4	

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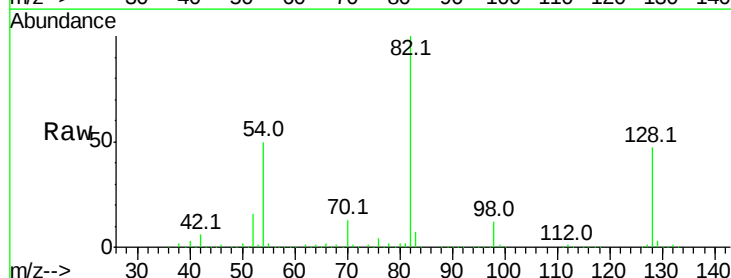


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

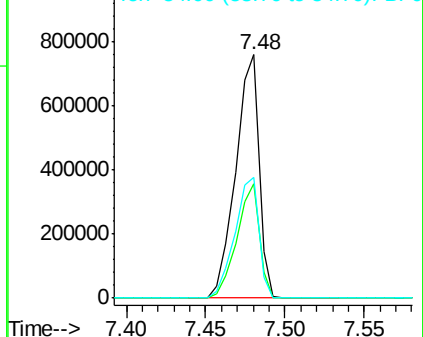
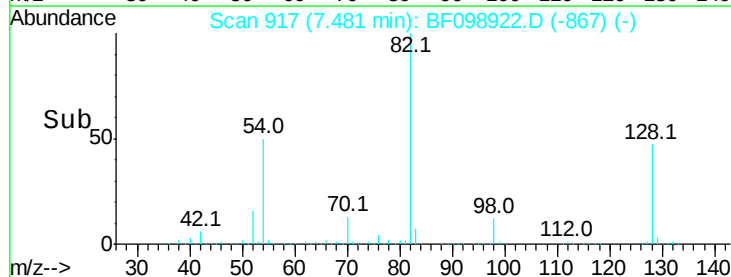


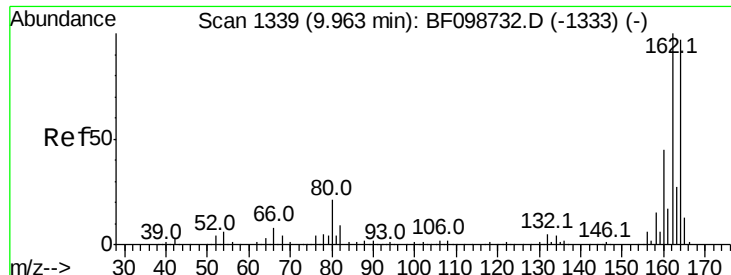
#23
Nitrobenzene-d5
Concen: 86.294 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	36.1	54.1	
54	49.6	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





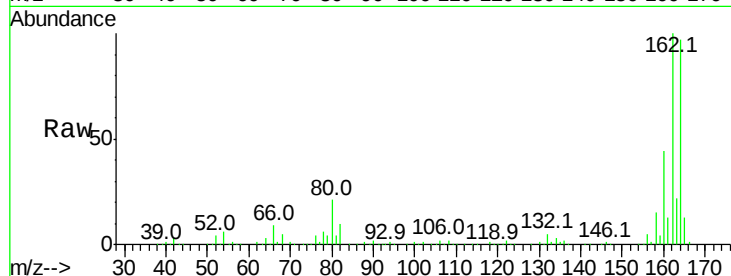
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :
W-3

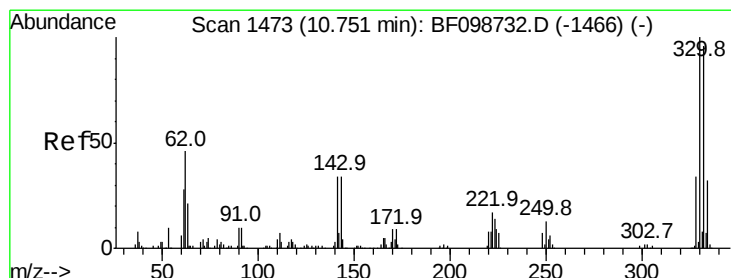
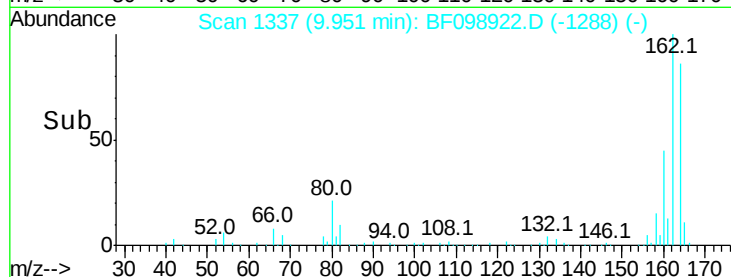
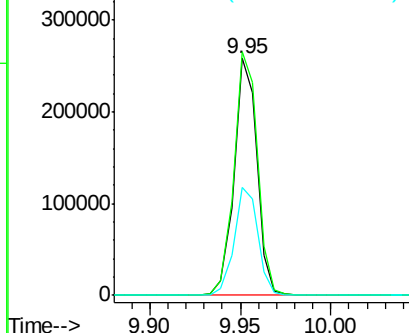
Tot Ion	Ratio	Resp	Lower	Upper
164	100	227421		
162	102.8	86.1	129.1	
160	45.6	38.3	57.5	

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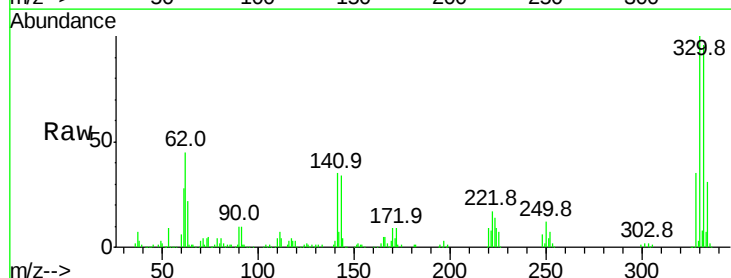


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

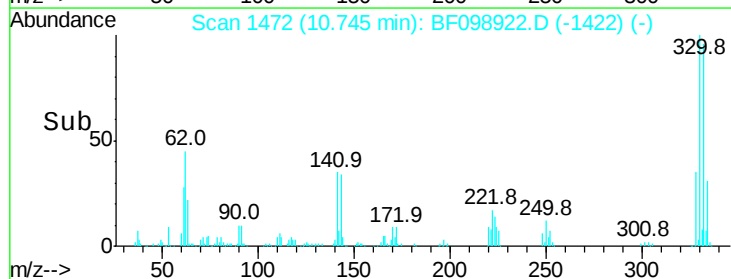
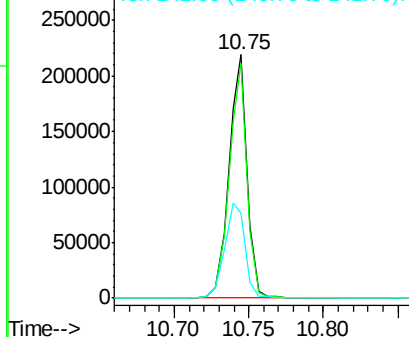


#41
2,4,6-Tribromophenol
Concen: 101.548 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	188973		
332	94.8	77.0	115.6	
141	44.1	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





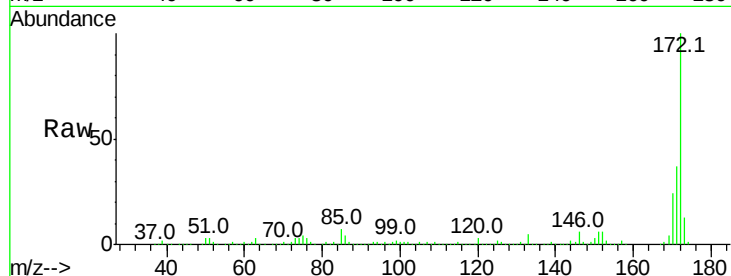
#44
2-Fluorobiphenyl
Concen: 82.664 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :
W-3

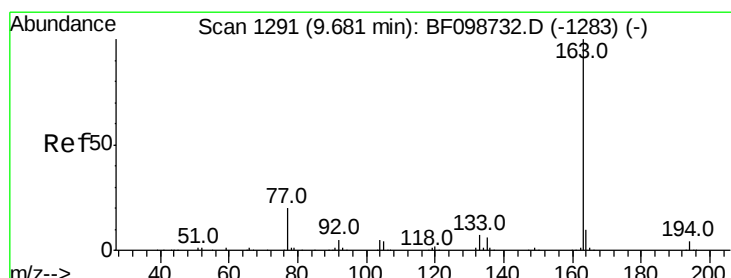
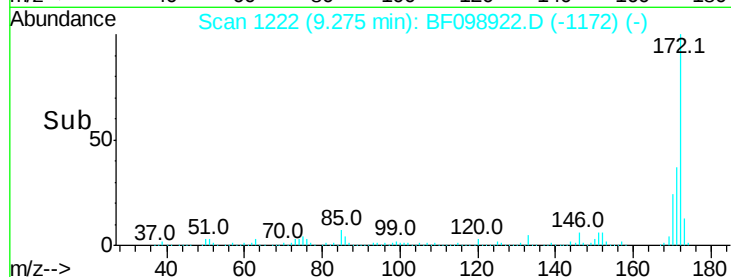
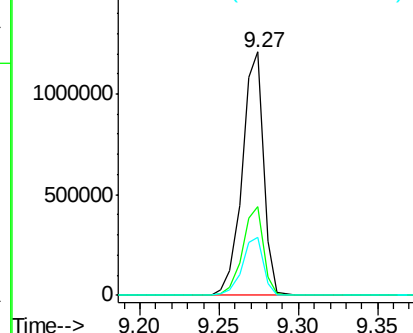
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.0	19.6	29.4

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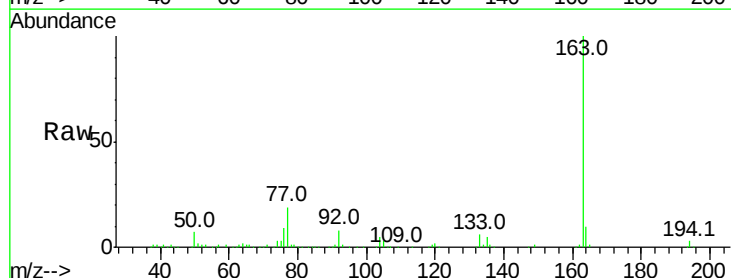


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

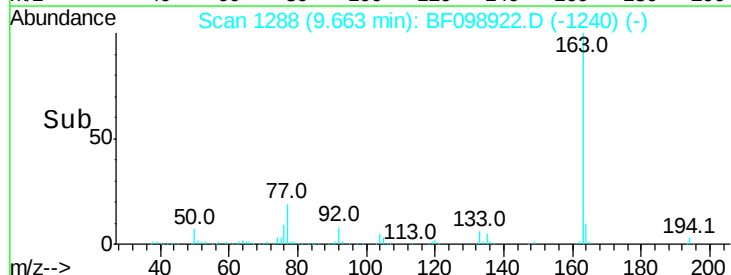
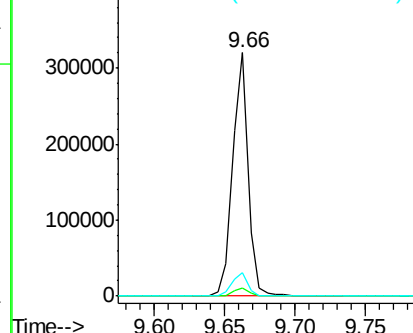


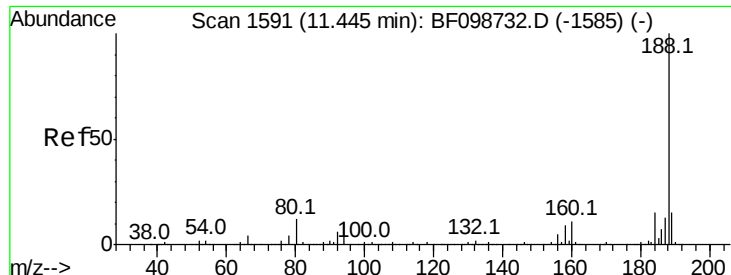
#49
Dimethylphthalate
Concen: 14.201 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	9.8	8.2	12.2



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

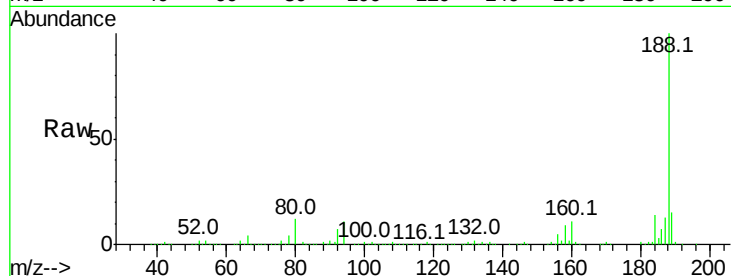
ClientSampled :

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Tot Ion:	188	Resp:	327415
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	11.6	9.2	13.8

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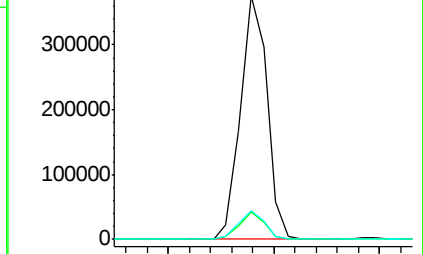
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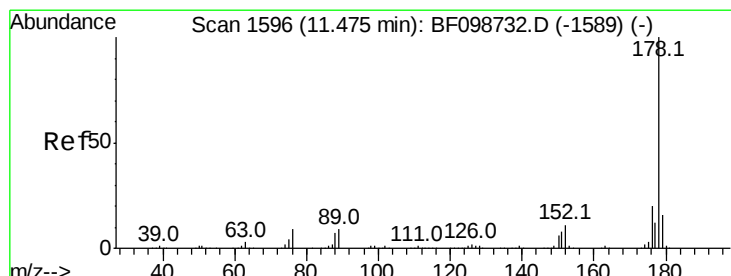
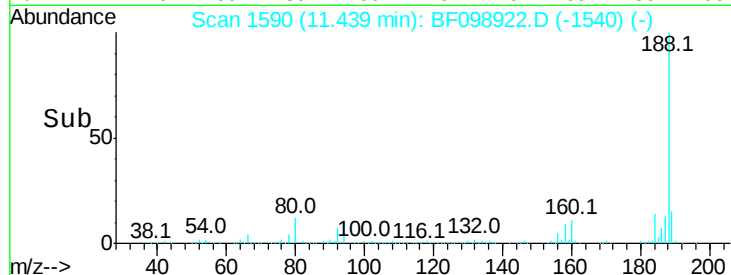
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 3.373 ng

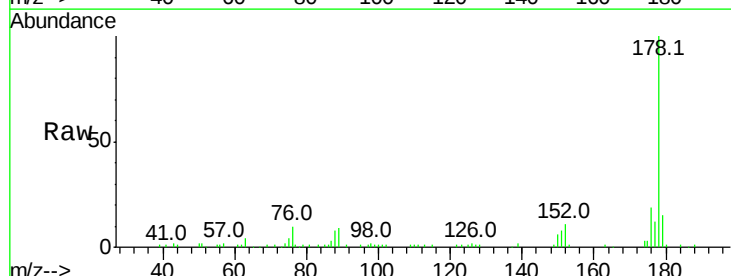
RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

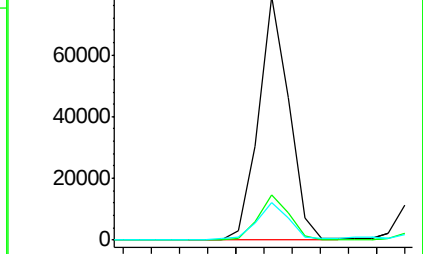
Tgt Ion:	178	Resp:	59116
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.8	23.8
179	15.2	13.0	19.6



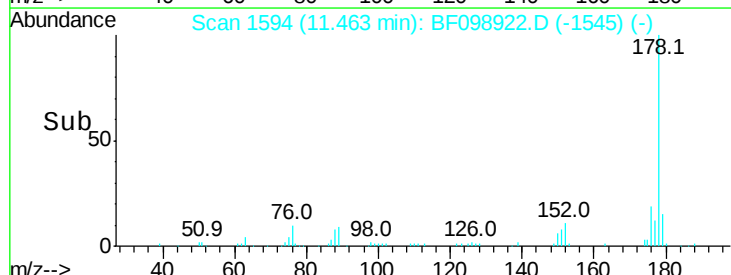
Abundance Ion 178.00 (177.70 to 178.70): E

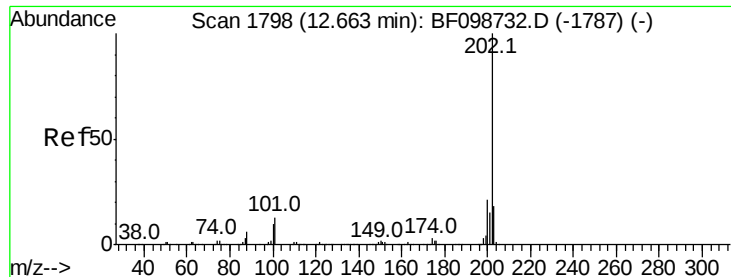
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 6.550 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

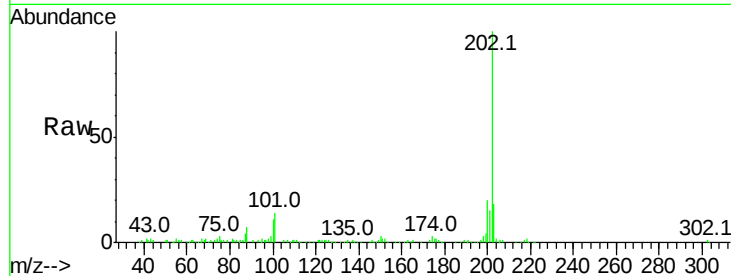
ClientSampled :

W-3

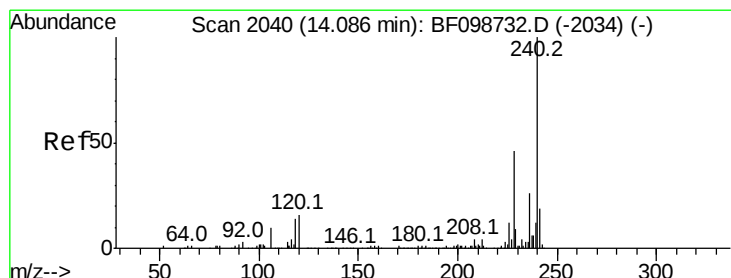
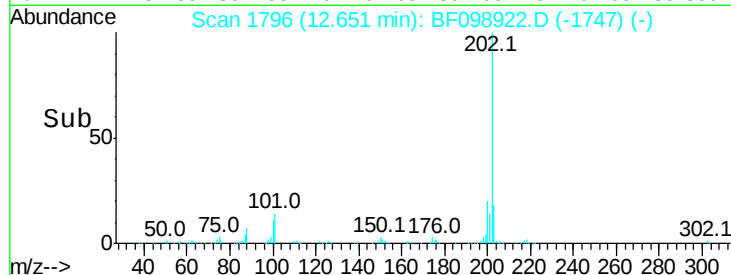
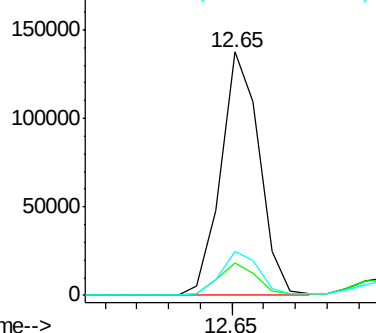
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.3	0.0	38.1

Manual Integrations
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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: 14.09 min Scan# 2040

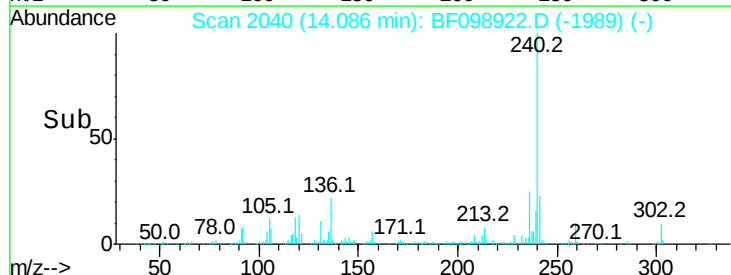
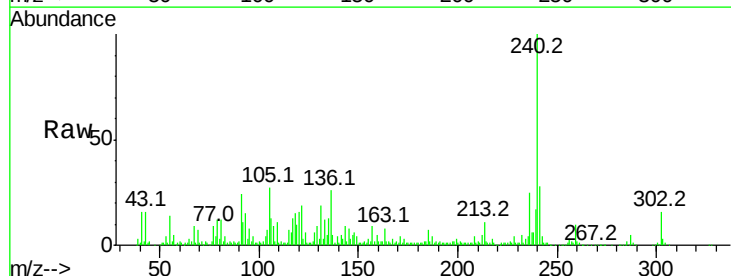
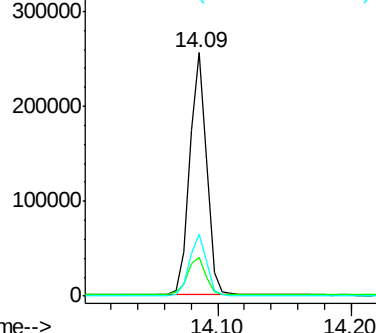
Delta R.T. -0.00 min

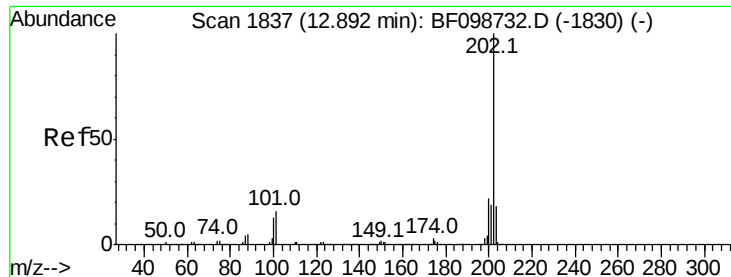
Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.0	9.5	14.3#
236	25.3	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: 6.127 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

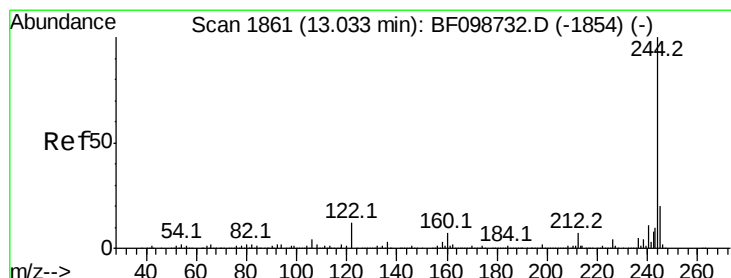
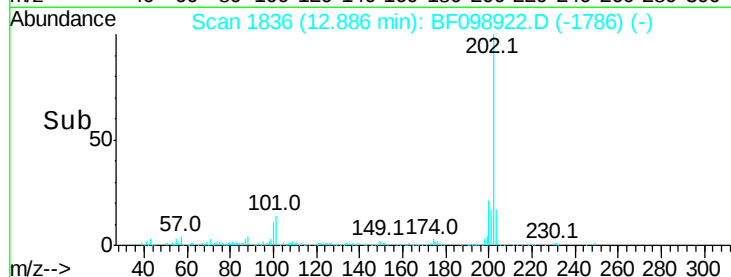
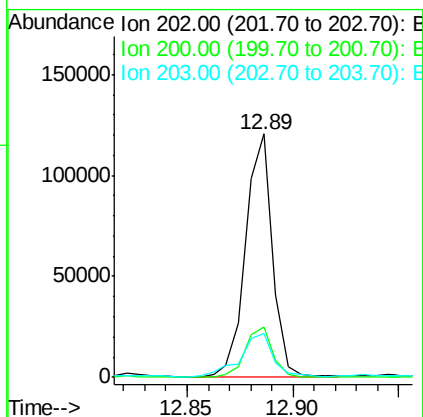
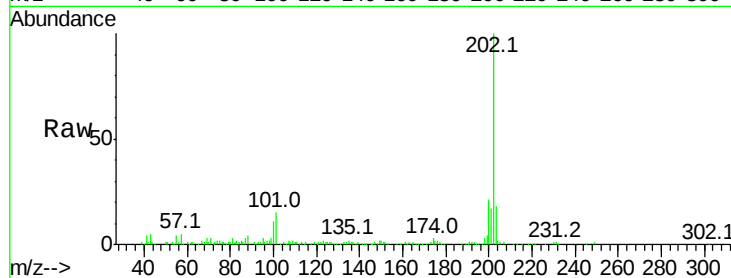
W-3

Tot Ion:	202	Resp:	107087
Ion Ratio		Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 72.753 ng

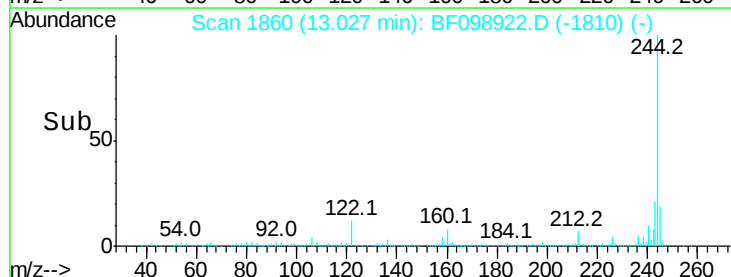
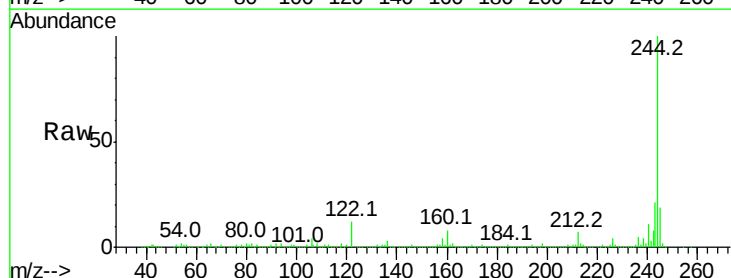
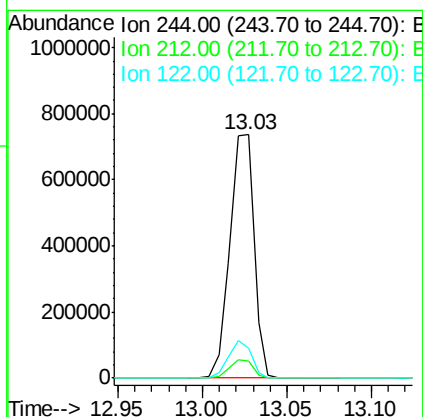
RT: 13.03 min Scan# 1860

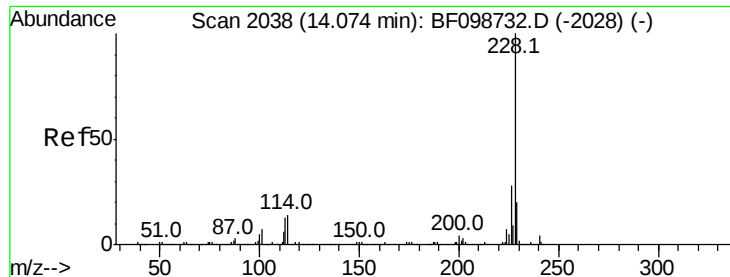
Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Tgt Ion:	244	Resp:	733275
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.4	11.0	16.4





#80

Benzo(a)anthracene

Concen: 3.818 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Instrument :

BNA_F

ClientSampled :

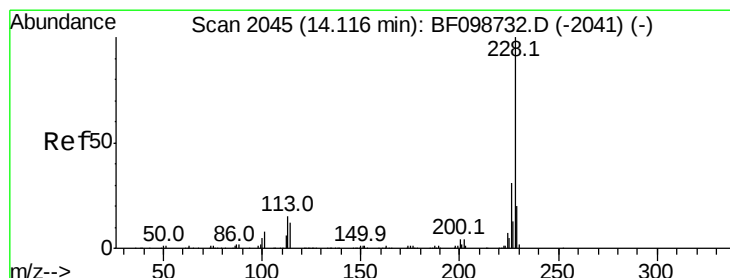
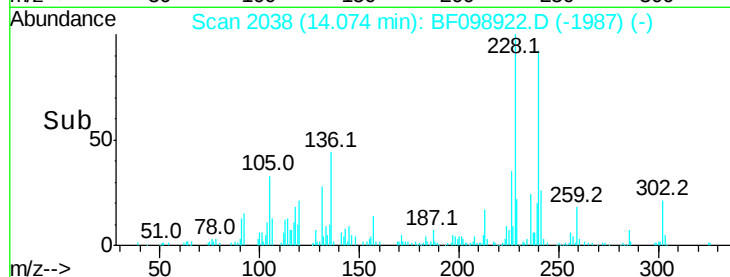
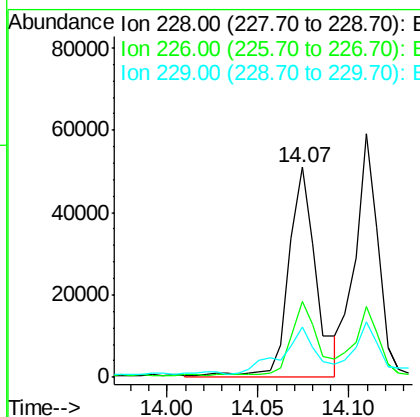
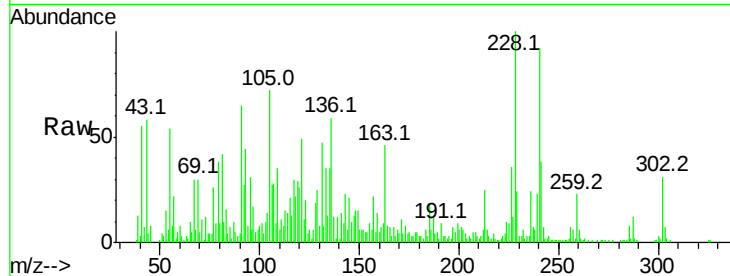
W-3

Tot Ion:	228	Resp:	52997
Ion Ratio	Lower	Upper	
228	100		
226	36.3	22.6	33.8#
229	24.1	15.8	23.6#

Manual Integrations
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#82

Chrysene

Concen: 3.959 ng

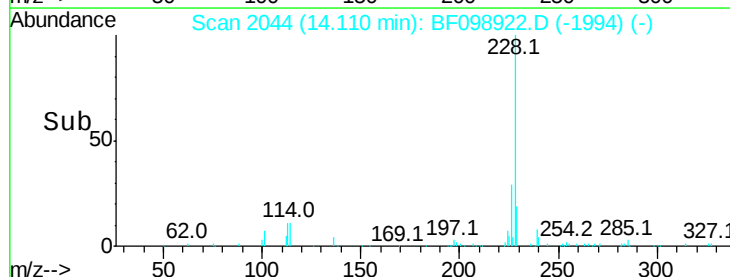
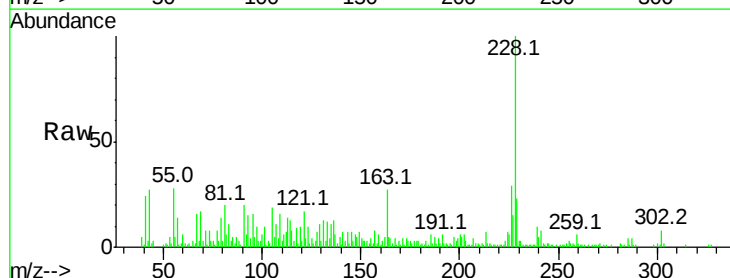
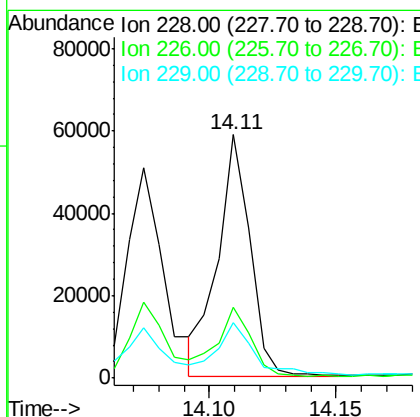
RT: 14.11 min Scan# 2044

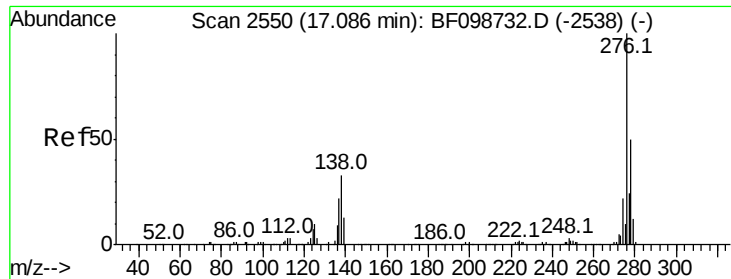
Delta R.T. -0.01 min

Lab File: BF098922.D

Acq: 28 Sep 2017 22:28

Tgt Ion:	228	Resp:	52309
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	22.6	16.2	24.4





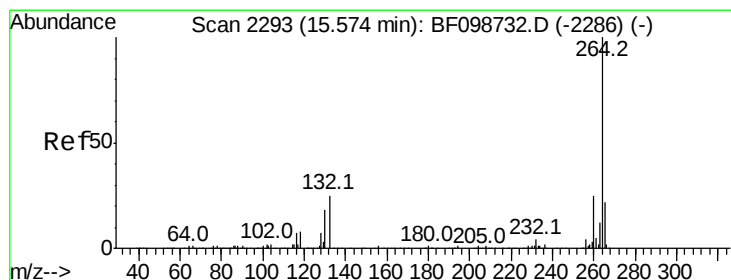
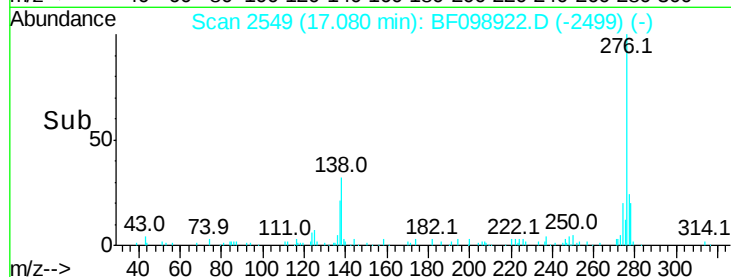
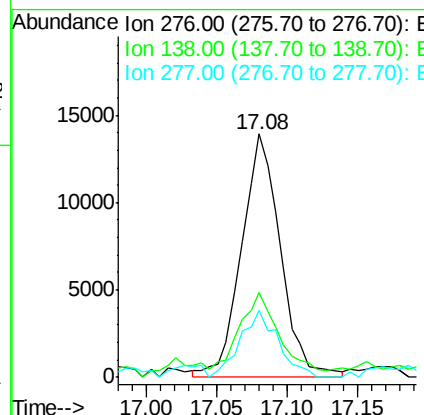
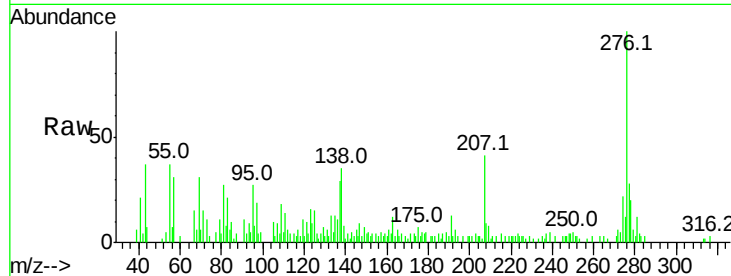
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.554 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :
W-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	25.0	37.6
277	26.8	20.1	30.1

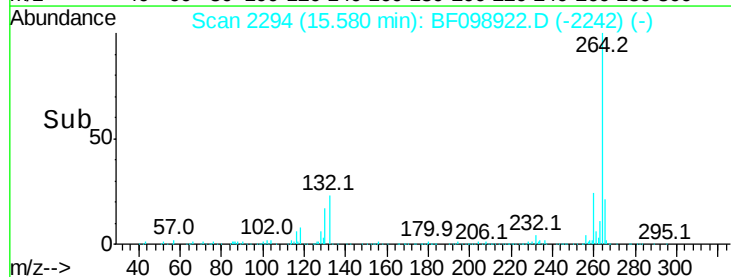
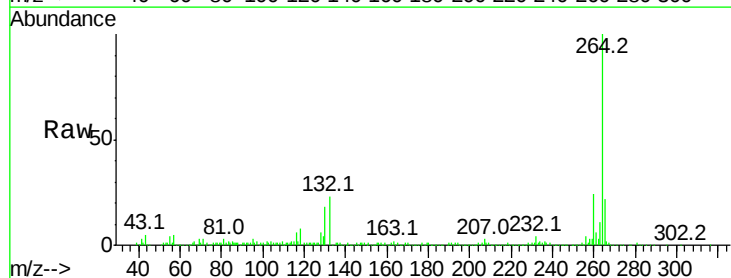
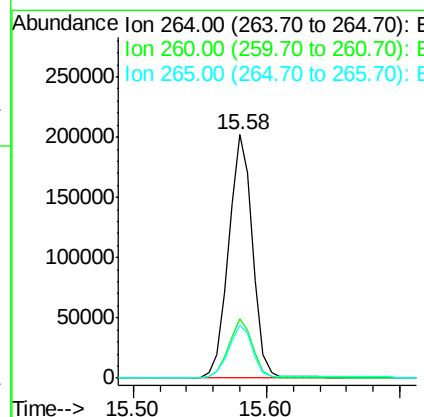
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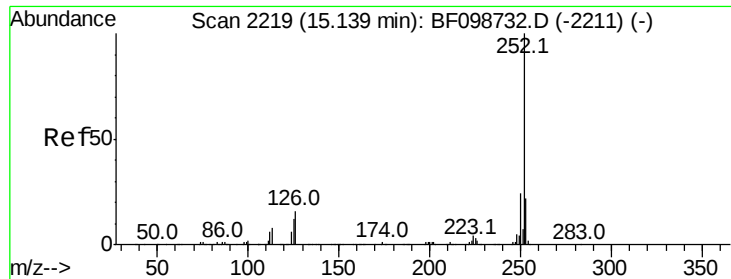
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.5	26.3





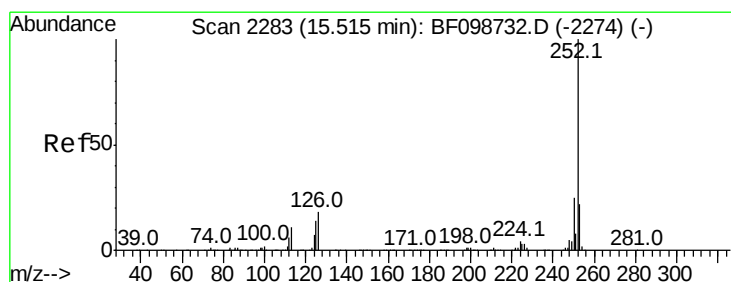
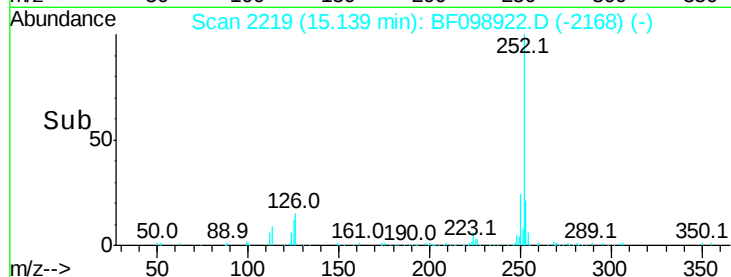
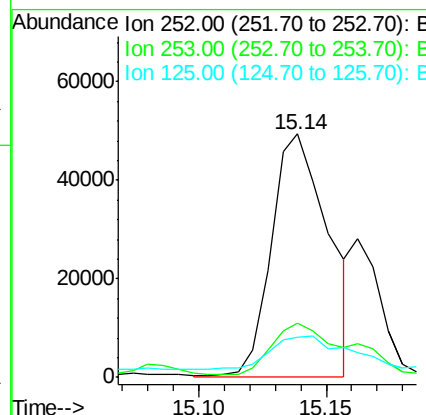
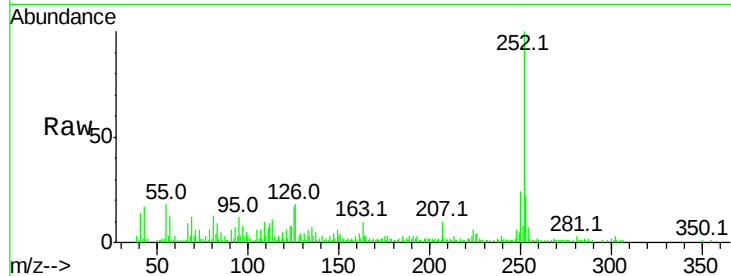
#87
Benzo(b)fluoranthene
Concen: 4.873 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :
W-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	16.6	9.0	13.6

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 3.219 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098922.D
Acq: 28 Sep 2017 22:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	18.0	9.8	14.6

