

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
 Data File : BF088341.D
 Acq On : 24 Jun 2016 19:51
 Operator : UM/SJ
 Sample : H3599-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)

Manual Integrations
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Quant Time: Jun 25 04:29:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 25 04:10:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	88175	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	341195	20.00	ng	0.00
38) Acenaphthene-d10	9.61	164	146483	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	241523	20.00	ng	0.00
75) Chrysene-d12	13.73	240	141811	20.00	ng	0.00
86) Perylene-d12	15.09	264	173757	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	553056	107.23	ng	0.01
7) Phenol-d6	6.25	99	681241	108.98	ng	-0.01
23) Nitrobenzene-d5	7.16	82	458810	78.52	ng	0.00
41) 2,4,6-Tribromophenol	10.41	330	146180	94.51	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	743317	79.35	ng	-0.01
78) Terphenyl-d14	12.67	244	466961	74.93	ng	0.00

Target Compounds					Qvalue	
31) Naphthalene	7.90	128	71236	4.22	ng	98
37) 2-Methylnaphthalene	8.58	142	35983	3.23	ng	# 96
48) Acenaphthylene	9.47	152	249399	16.54	ng	99
49) Dimethylphthalate	9.35	163	135338	12.75	ng	100
54) Dibenzofuran	9.83	168	33844	2.61	ng	# 93
70) Phenanthrene	11.12	178	405840	32.02	ng	98
71) Anthracene	11.17	178	241572	18.90	ng	98
72) Carbazole	11.34	167	41360	3.46	ng	99
74) Fluoranthene	12.31	202	1136841	85.00	ng	99
77) Pyrene	12.54	202	1175939	111.75	ng	100
80) Benzo(a)anthracene	13.71	228	799392	98.92	ng	# 91
82) Chrysene	13.76	228	576664m	75.85	ng	
85) Indeno(1,2,3-cd)pyrene	16.34	276	304464	43.10	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	996466m	82.28	ng	
88) Benzo(k)fluoranthene	14.74	252	204137m	22.35	ng	
89) Benzo(a)pyrene	15.04	252	545737m	55.70	ng	
90) Dibenzo(a,h)anthracene	16.33	278	86478m	9.50	ng	
91) Benzo(g,h,i)perylene	16.71	276	245246	26.20	ng	98

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

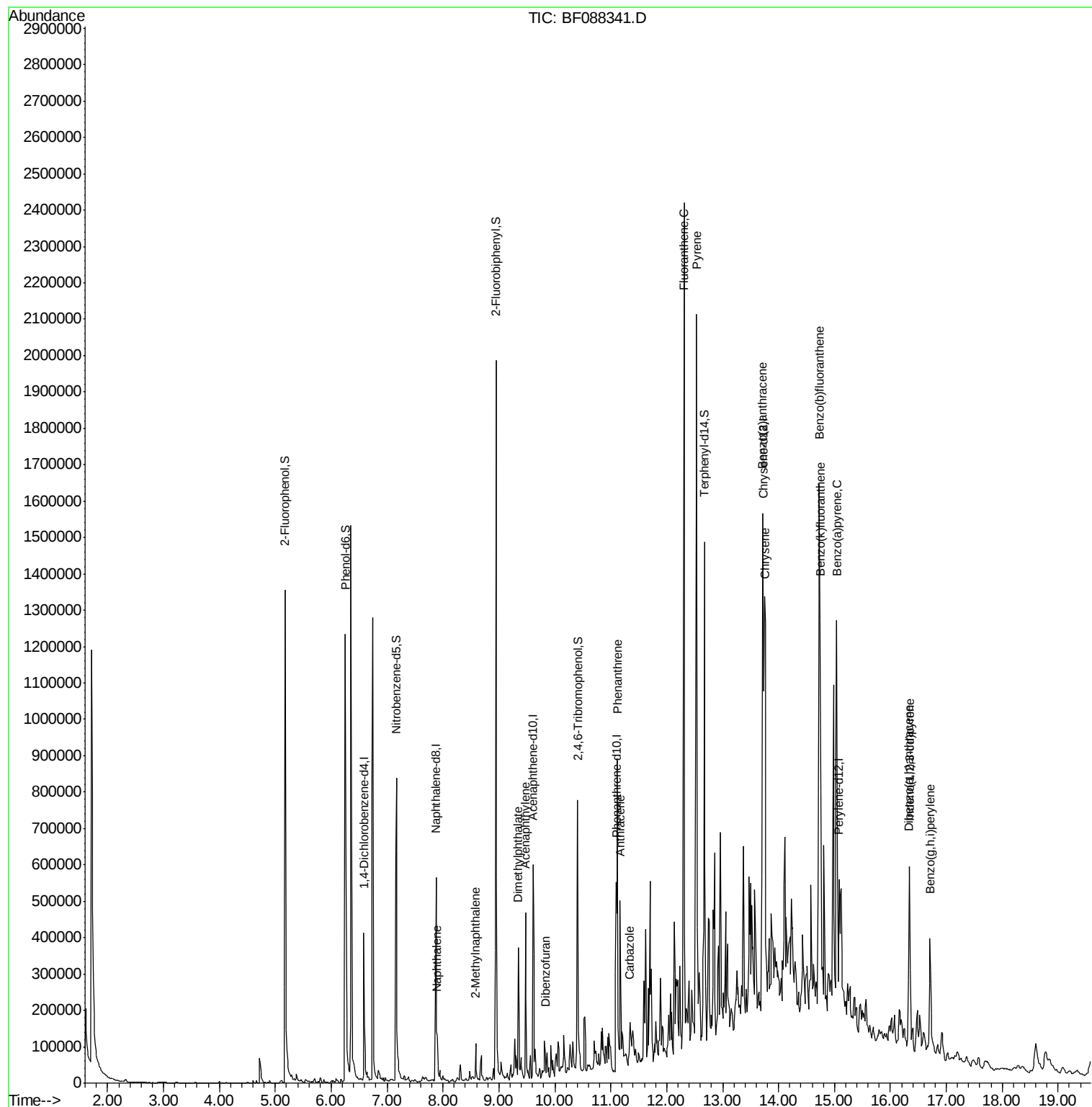
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062416\
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#1

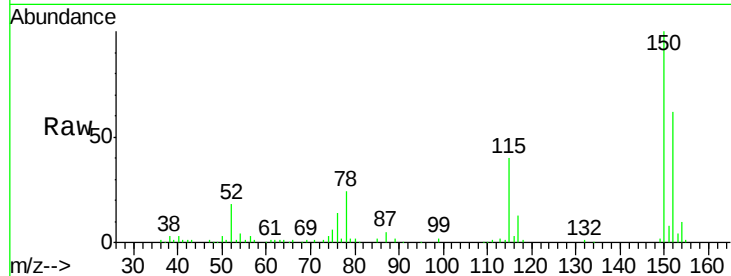
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.58 min Scan# 437
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

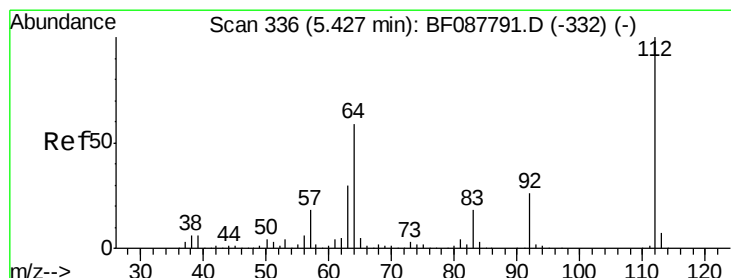
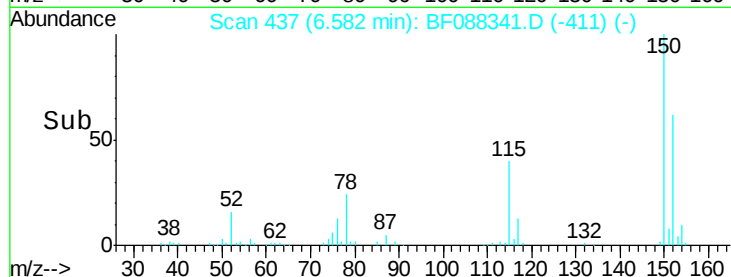
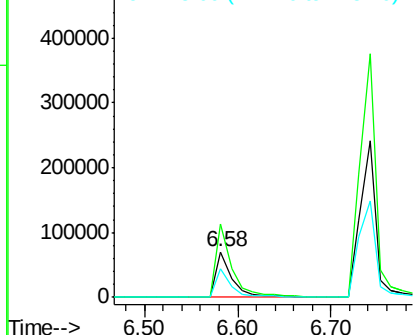
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.5	123.8	185.6
115	63.8	39.6	59.4

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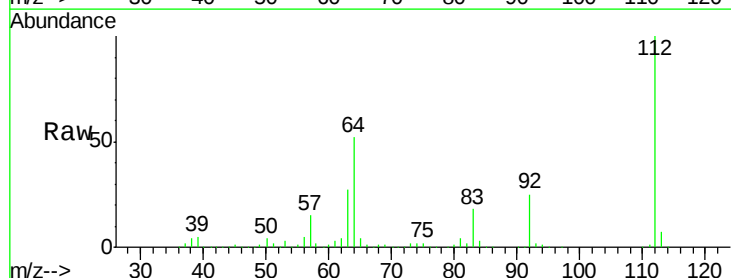
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



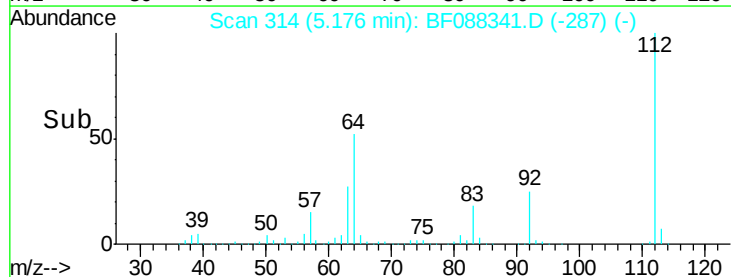
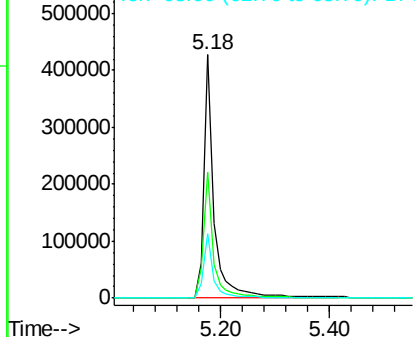
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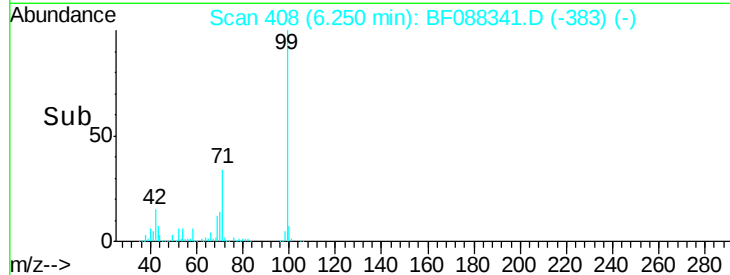
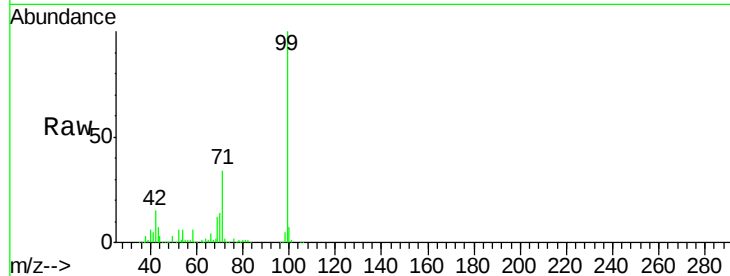
2-Fluorophenol
Concen: 107.23 ng
RT: 5.18 min Scan# 314
Delta R.T. 0.01 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	42.2	63.2
63	26.6	21.8	32.8



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: 108.98 ng

RT: 6.25 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		681241		
42	15.3	12.2	18.2		
71	34.1	23.4	35.0		

Instrument :

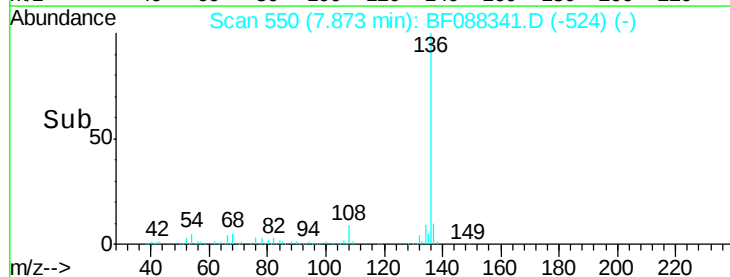
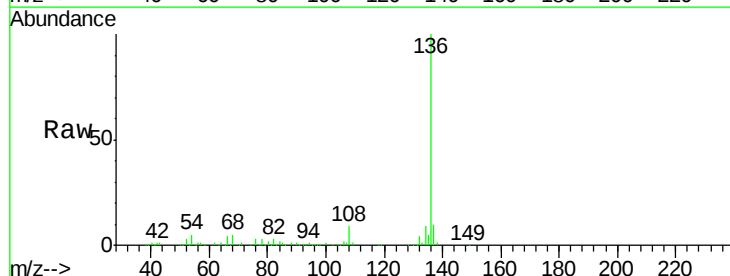
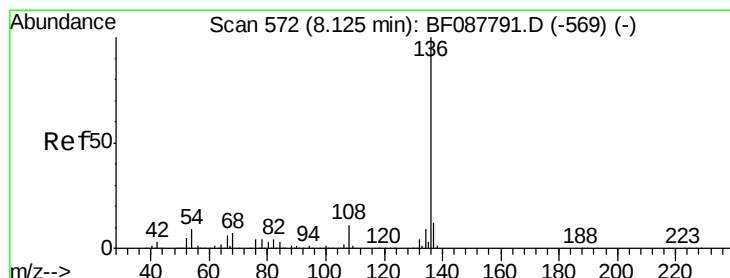
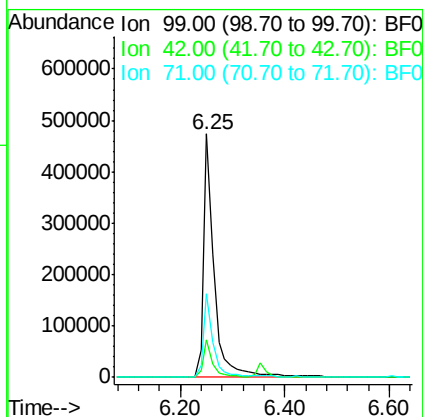
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.00 ng

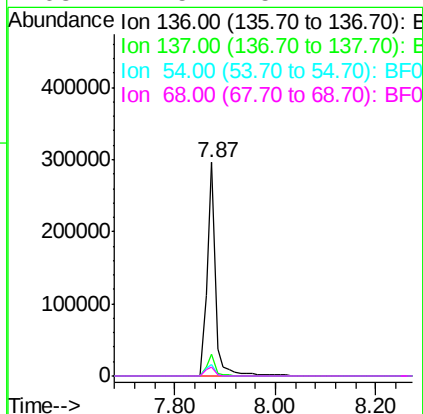
RT: 7.87 min Scan# 550

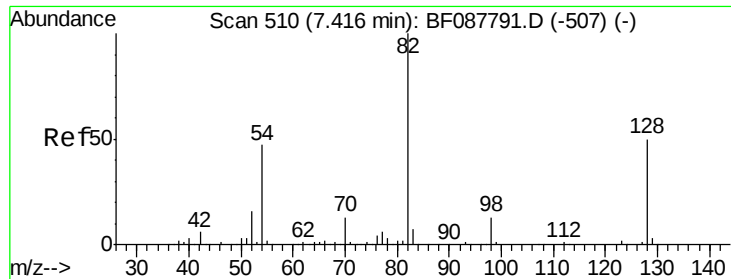
Delta R.T. 0.00 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		341195		
137	10.4	9.1	13.7		
54	5.3	6.6	10.0#		
68	4.5	5.1	7.7#		





#23

Nitrobenzene-d5

Concen: 78.52 ng

RT: 7.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Instrument :

BNA_F

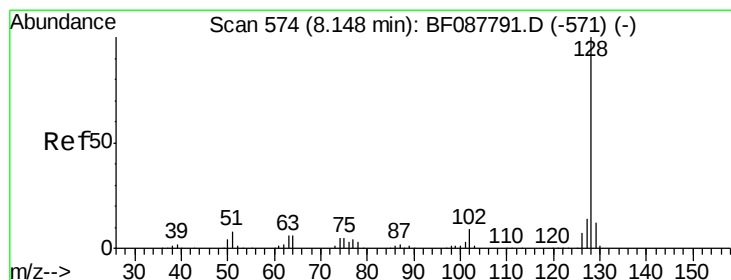
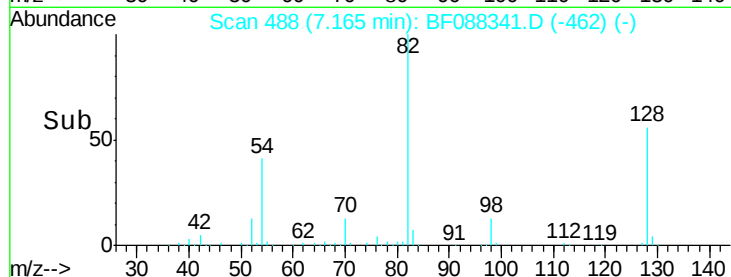
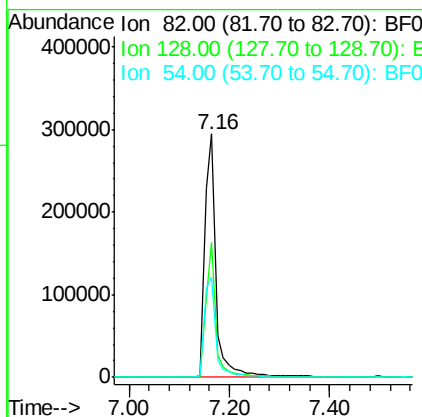
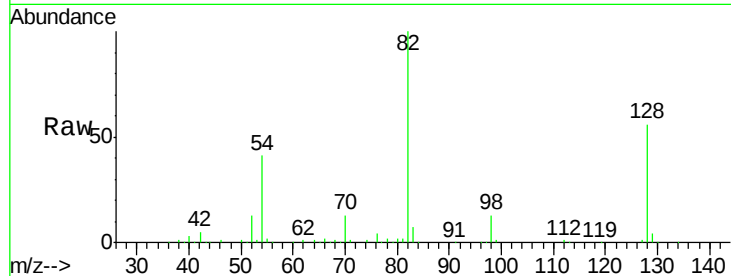
ClientSampleId :

PM-STA-1436(0-4)

Tgt Ion:	82	Resp:	458810
Ion Ratio	Lower	Upper	
82	100		
128	55.6	35.9	53.9#
54	41.2	40.9	61.3

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#31

Naphthalene

Concen: 4.22 ng

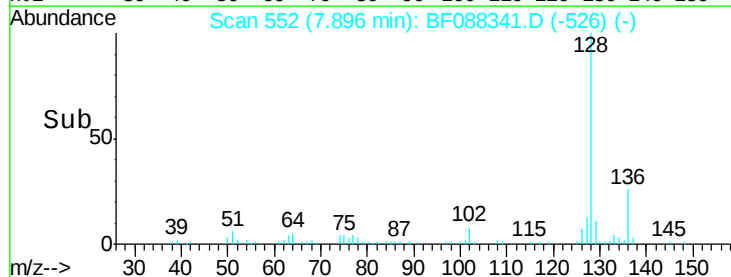
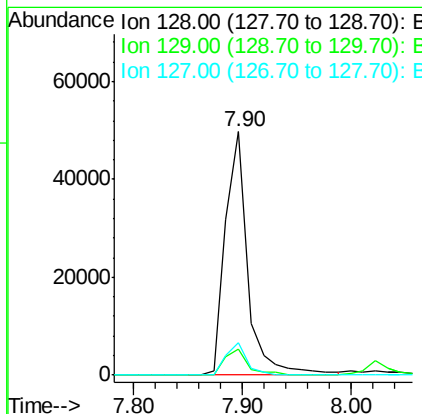
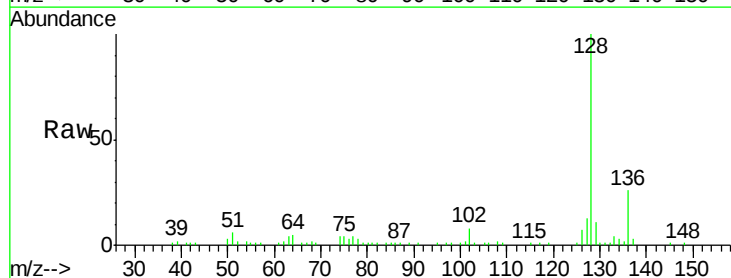
RT: 7.90 min Scan# 552

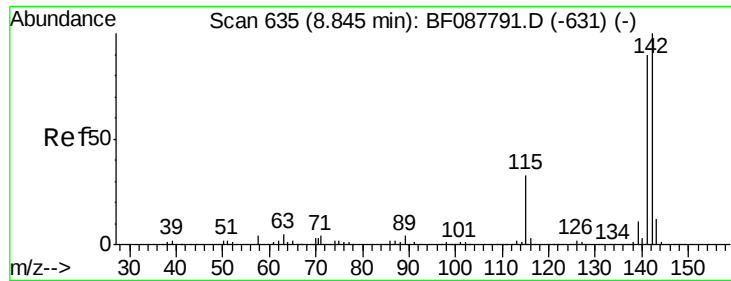
Delta R.T. 0.00 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Tgt Ion:	128	Resp:	71236
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.4	14.2
127	13.3	10.9	16.3





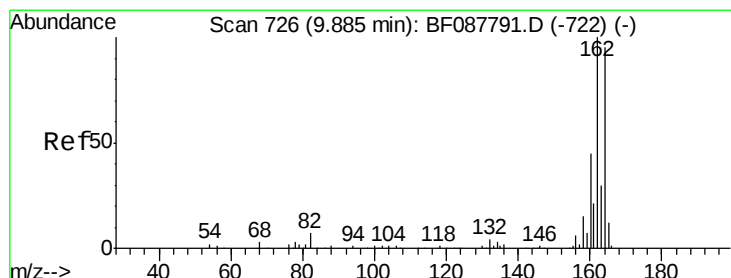
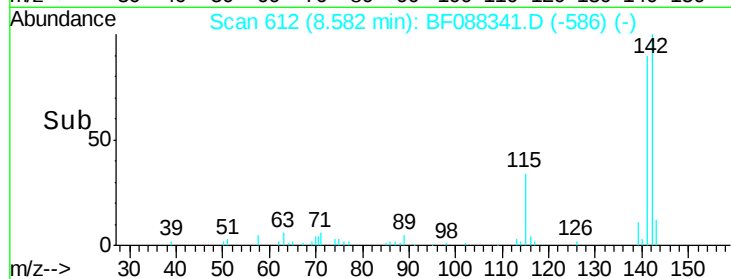
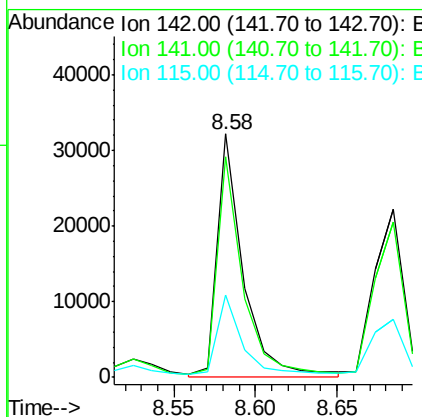
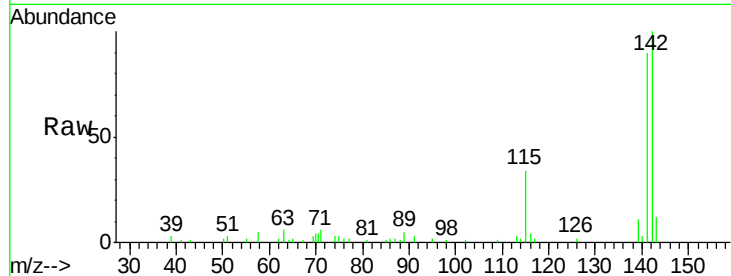
#37
 2-Methylnaphthalene
 Concen: 3.23 ng
 RT: 8.58 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: BF088341.D
 Acq: 24 Jun 2016 19:51

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.0	106.6
115	34.0	22.6	33.8

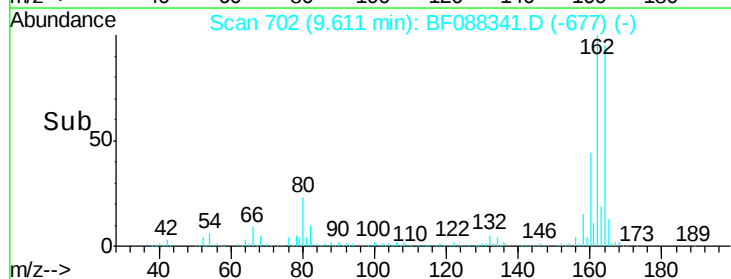
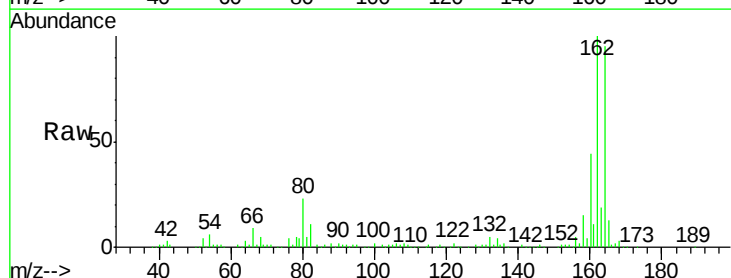
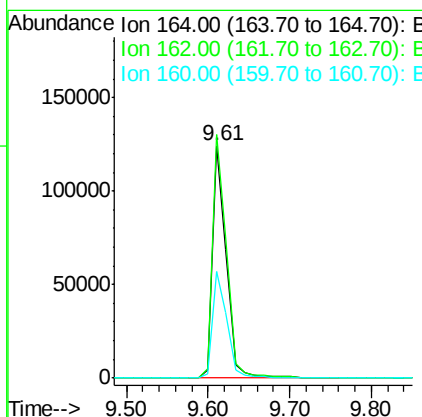
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.61 min Scan# 702
 Delta R.T. -0.01 min
 Lab File: BF088341.D
 Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	85.4	128.2
160	45.8	39.5	59.3





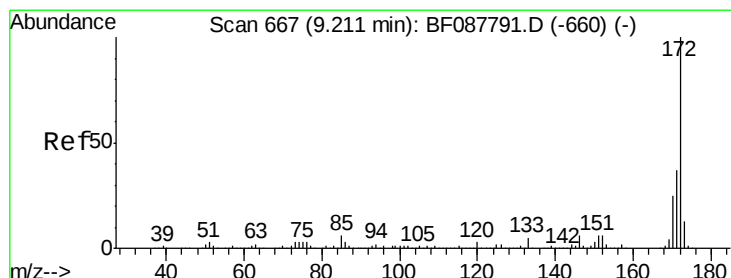
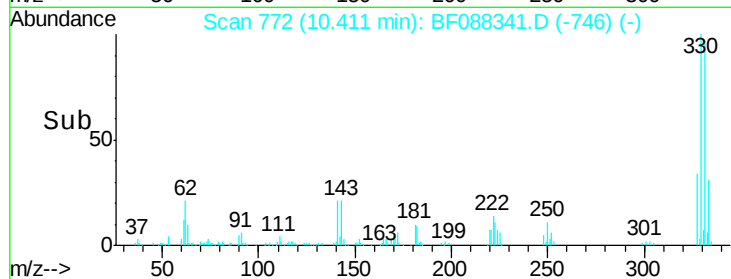
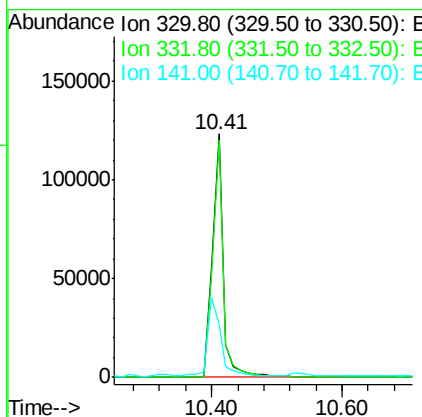
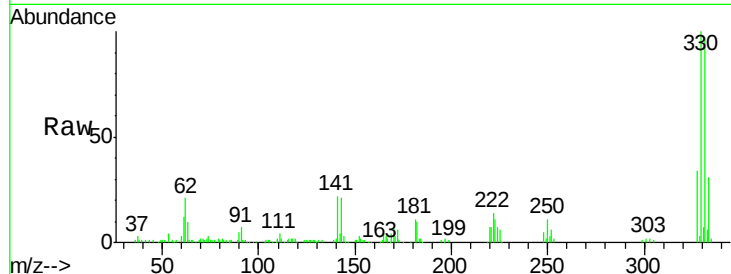
#41
 2,4,6-Tribromophenol
 Concen: 94.51 ng
 RT: 10.41 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BF088341.D
 Acq: 24 Jun 2016 19:51

Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.5	0.0	0.0#
141	37.8	0.0	0.0#

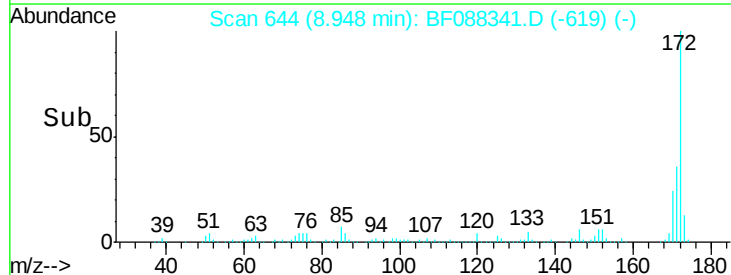
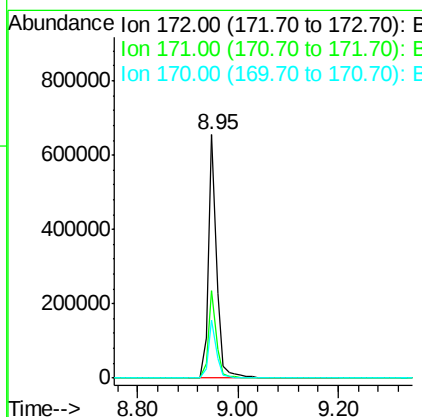
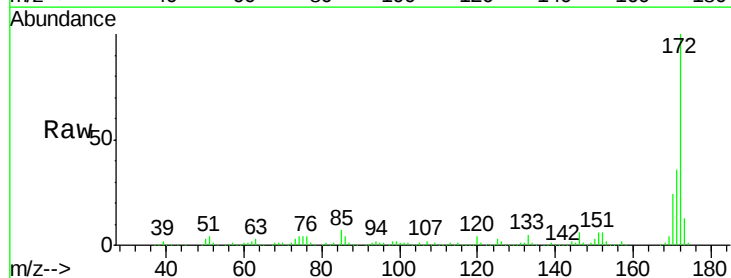
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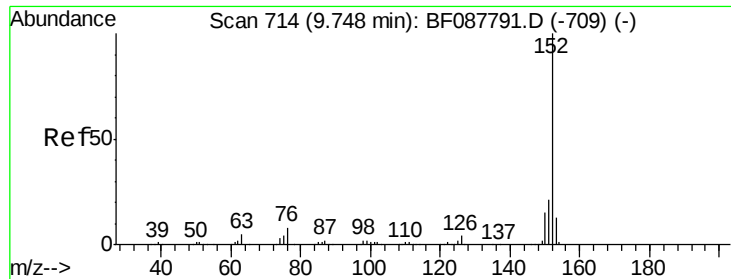
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#44
 2-Fluorobiphenyl
 Concen: 79.35 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF088341.D
 Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.1	28.6	43.0
170	23.8	19.2	28.8





#48

Acenaphthylene

Concen: 16.54 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF088341.D

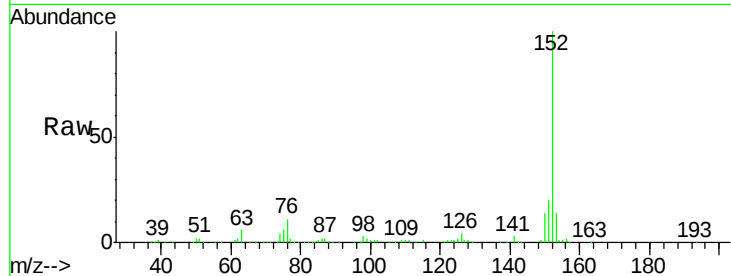
Acq: 24 Jun 2016 19:51

Instrument :

BNA_F

ClientSampleId :

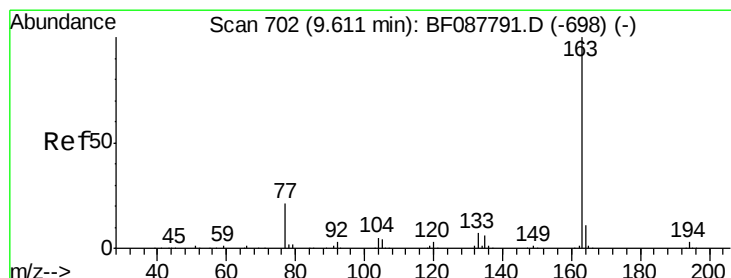
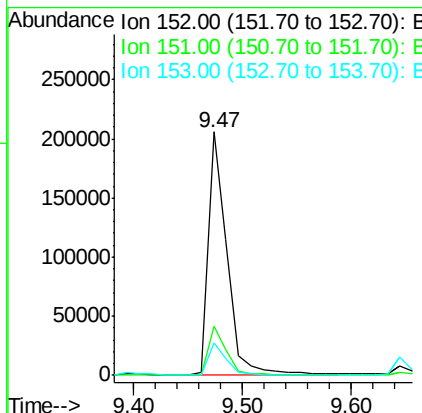
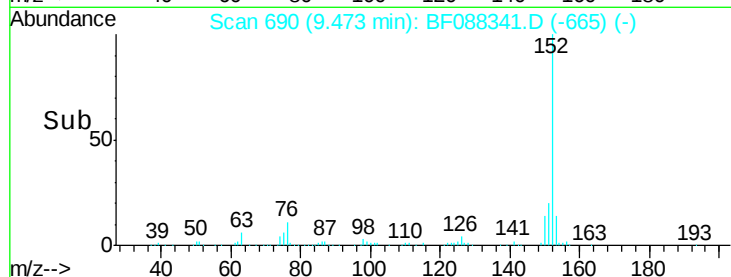
PM-STA-1436(0-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.4
153	13.5	11.0	16.6

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#49

Dimethylphthalate

Concen: 12.75 ng

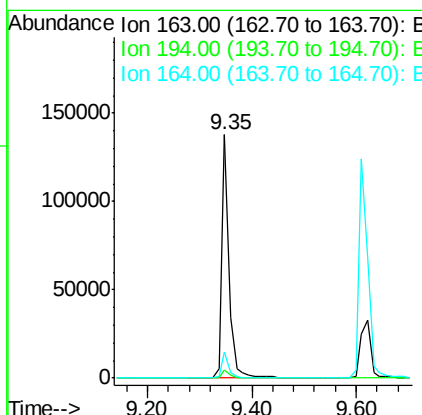
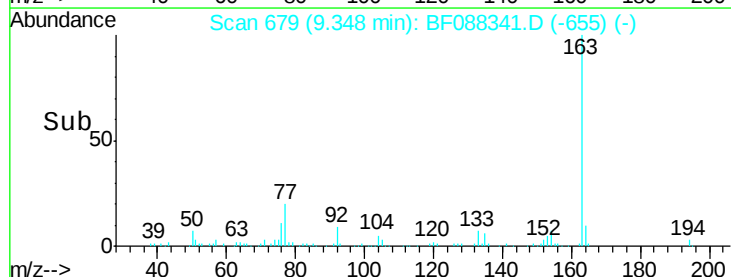
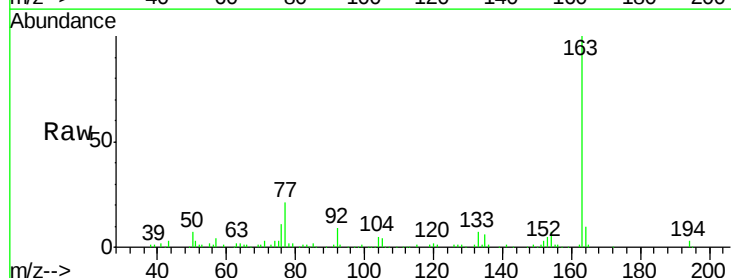
RT: 9.35 min Scan# 679

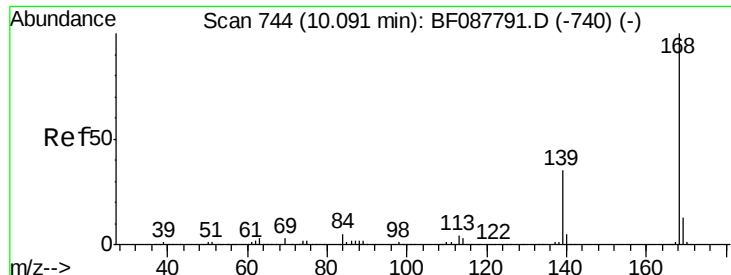
Delta R.T. -0.02 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	8.3	12.5





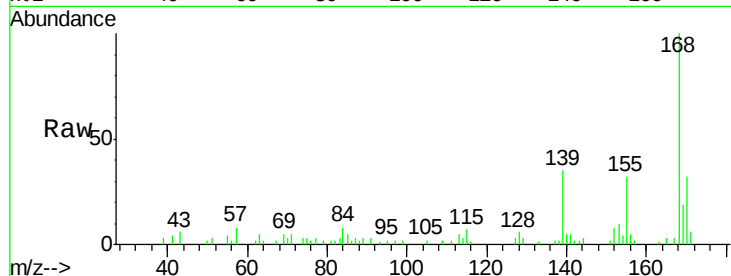
#54
Dibenzenofuran
Concen: 2.61 ng
RT: 9.83 min Scan# 721
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

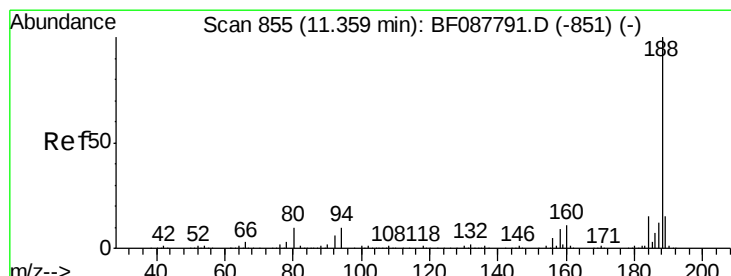
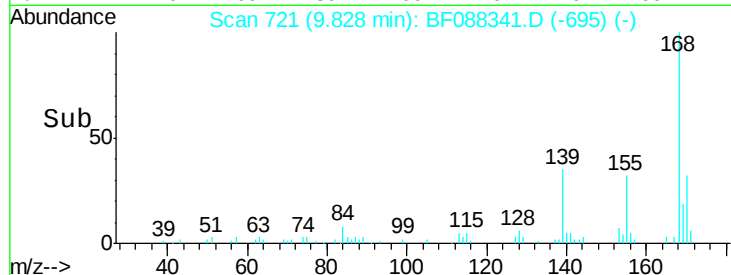
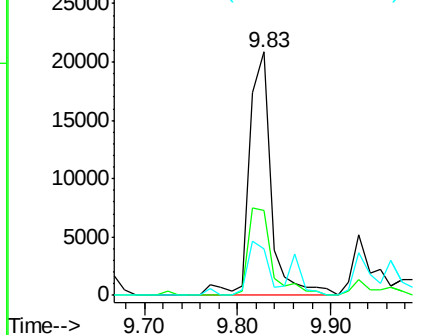
Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.9	26.4	39.6
169	19.4	10.4	15.6#

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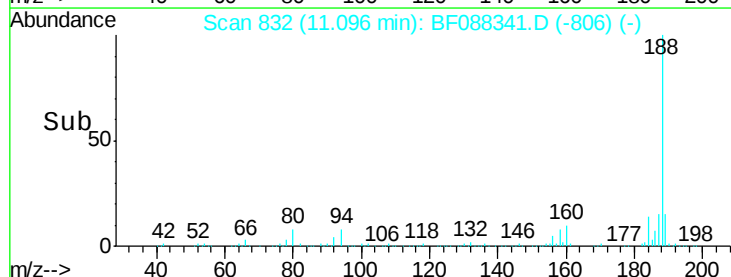
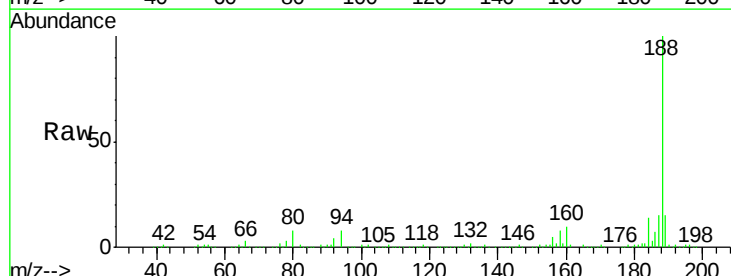
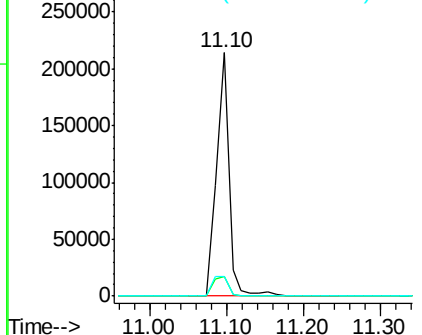
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

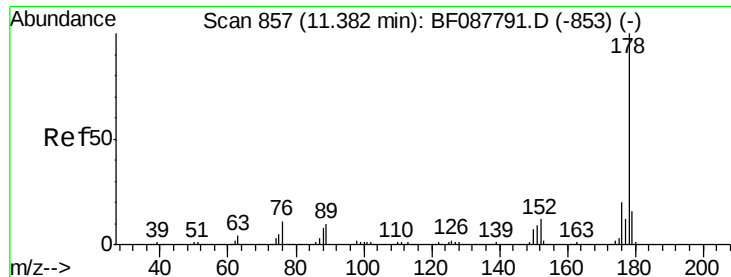


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	9.0	13.6#
80	7.9	10.0	15.0#

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





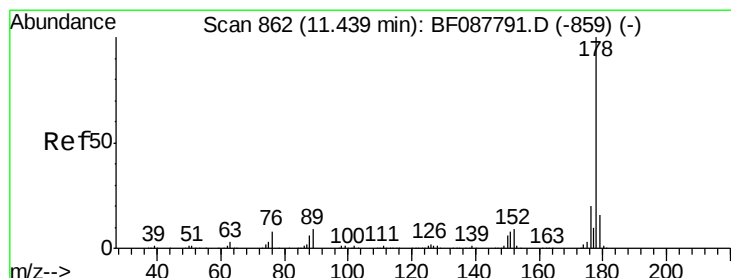
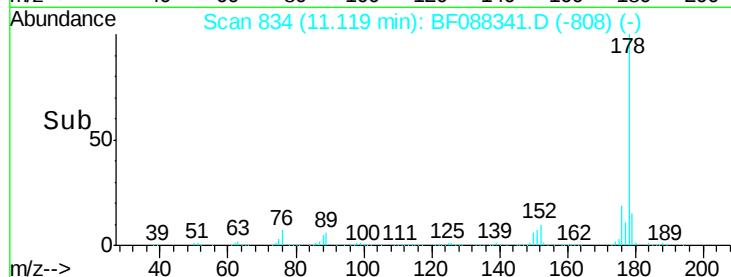
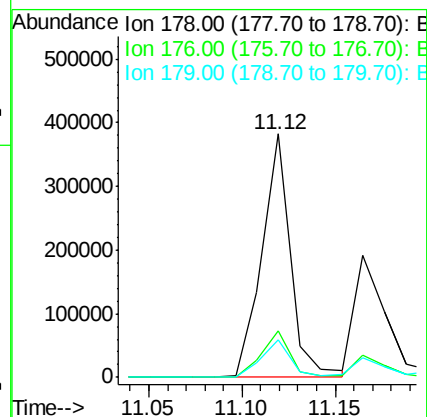
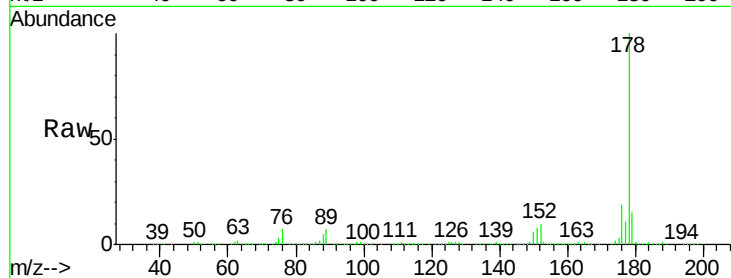
#70
Phenanthrene
Concen: 32.02 ng
RT: 11.12 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.2	13.0	19.4

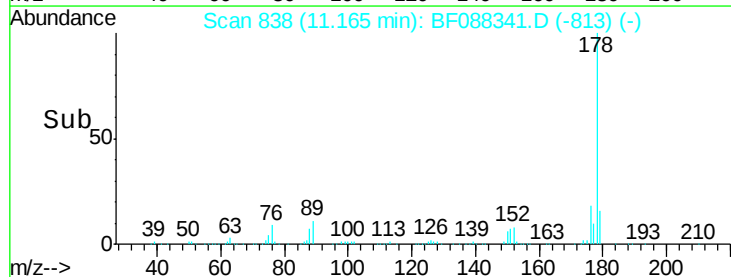
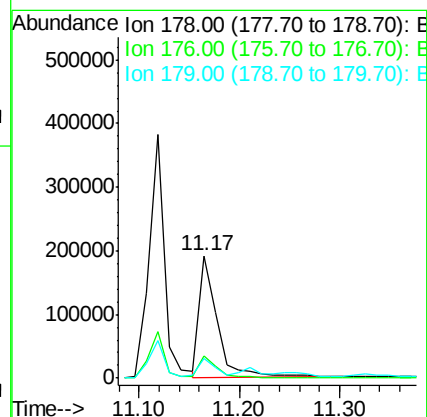
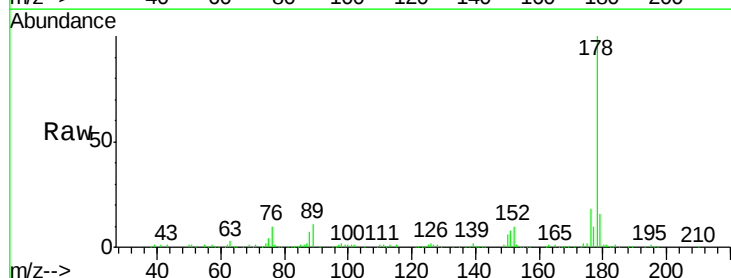
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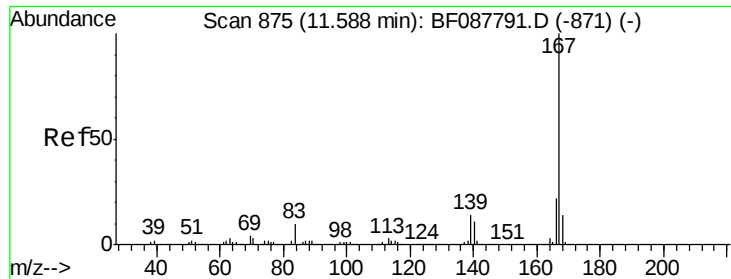
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#71
Anthracene
Concen: 18.90 ng
RT: 11.17 min Scan# 838
Delta R.T. -0.01 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	16.3	12.8	19.2





#72

Carbazole

Concen: 3.46 ng

RT: 11.34 min Scan# 853

Delta R.T. 0.00 min

Lab File: BF088341.D

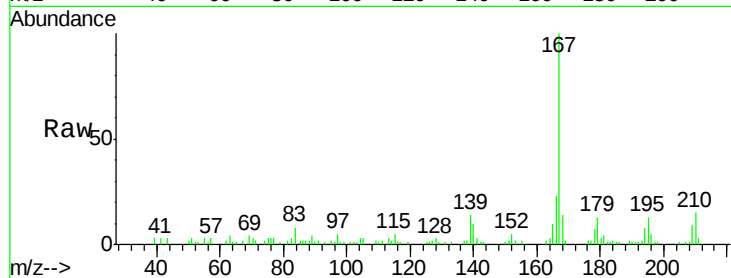
Acq: 24 Jun 2016 19:51

Instrument :

BNA_F

ClientSampleId :

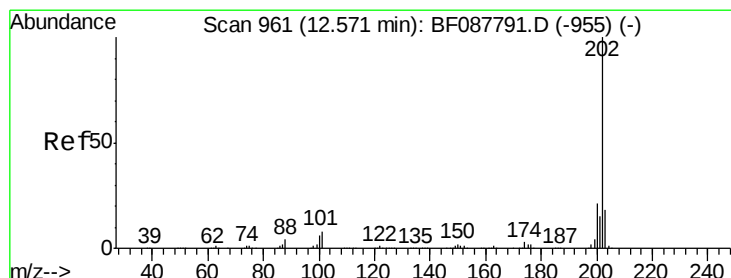
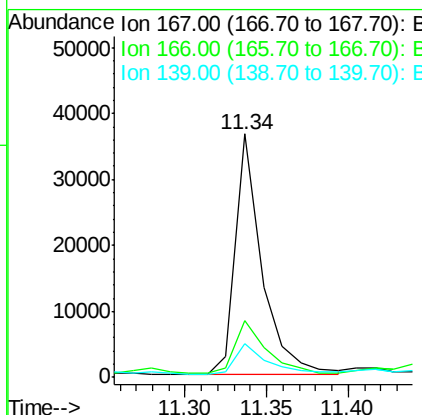
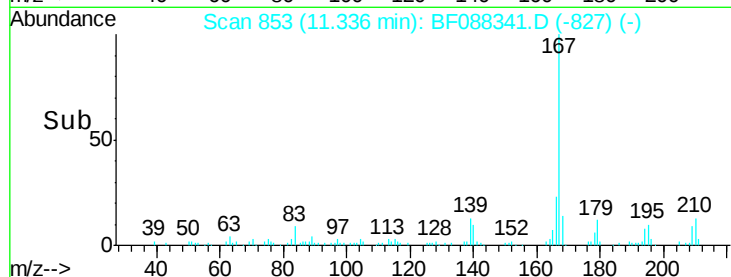
PM-STA-1436(0-4)



Tgt Ion:	167	Resp:	41360
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.8	26.6
139	13.9	11.2	16.8

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#74

Fluoranthene

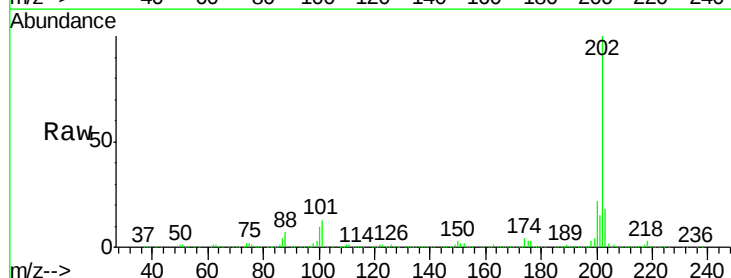
Concen: 85.00 ng

RT: 12.31 min Scan# 938

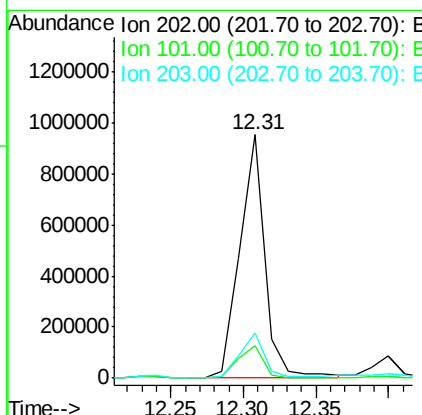
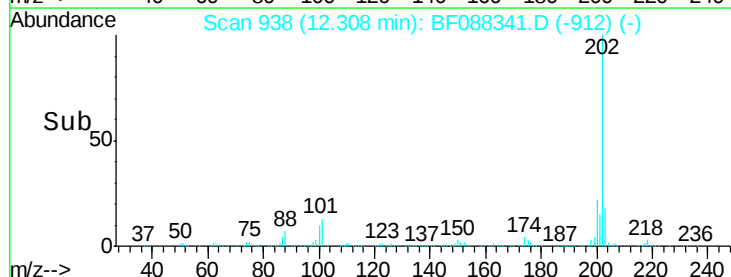
Delta R.T. 0.00 min

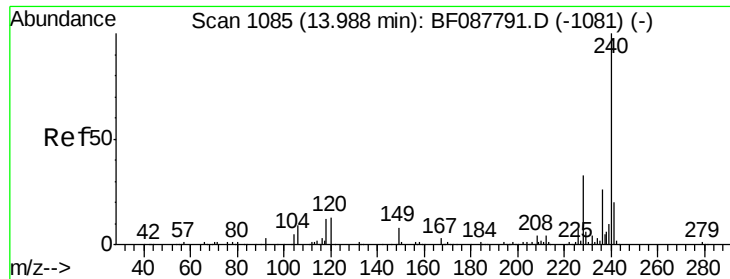
Lab File: BF088341.D

Acq: 24 Jun 2016 19:51



Tgt Ion:	202	Resp:	1136841
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1062

Delta R.T. 0.00 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Instrument :

BNA_F

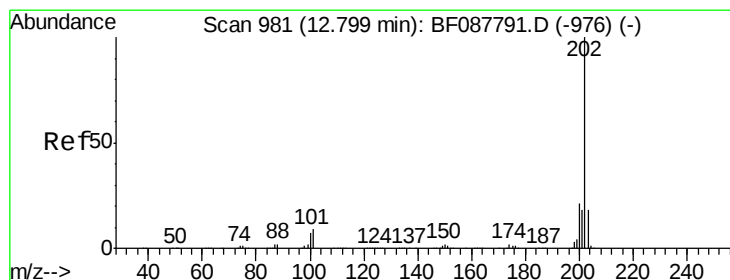
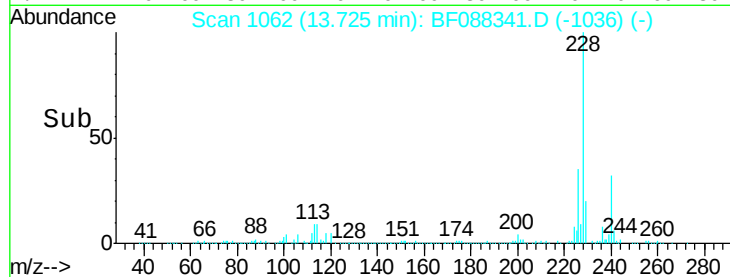
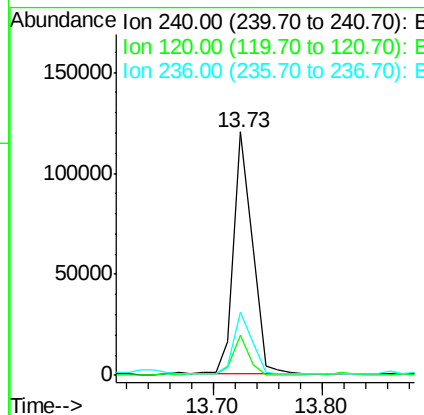
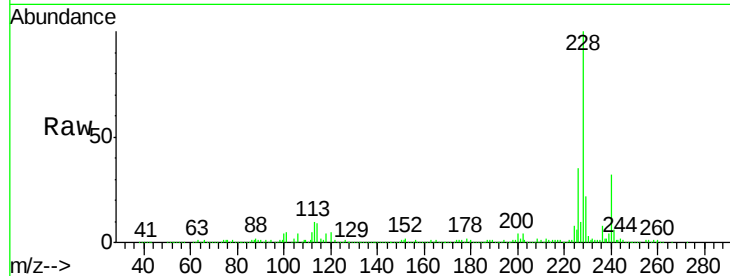
ClientSampleId :

PM-STA-1436(0-4)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	6.8	10.2#
236	25.8	20.2	30.2

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#77

Pyrene

Concen: 111.75 ng

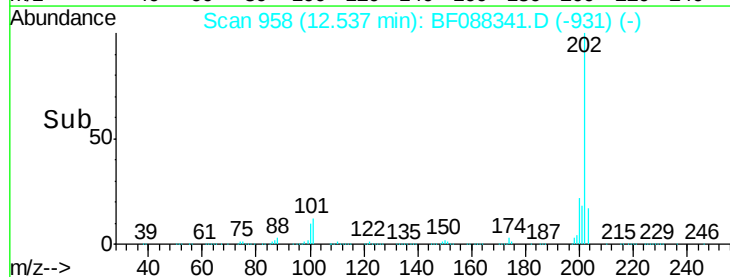
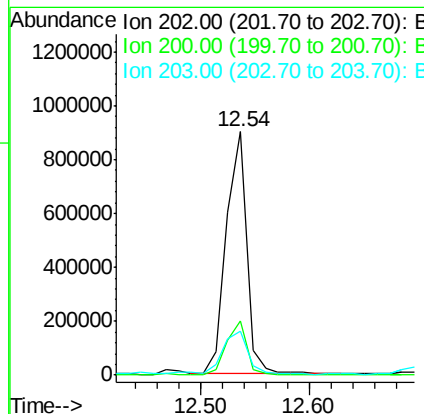
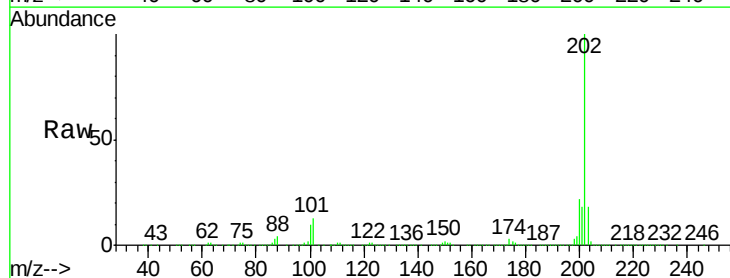
RT: 12.54 min Scan# 958

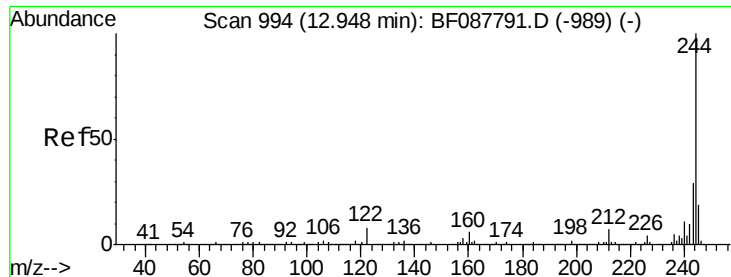
Delta R.T. 0.01 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

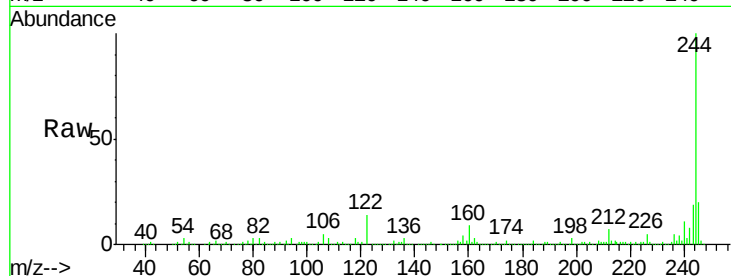
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.0	14.5	21.7





#78
 Terphenyl-d14
 Concen: 74.93 ng
 RT: 12.67 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BF088341.D
 Acq: 24 Jun 2016 19:51

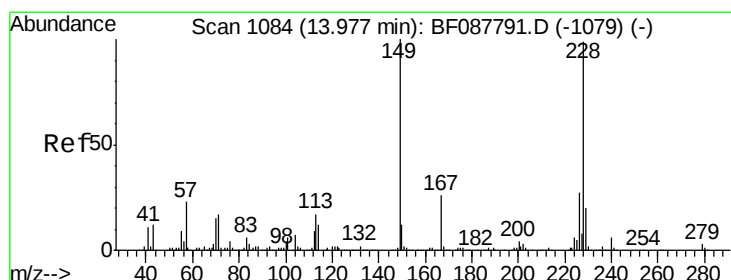
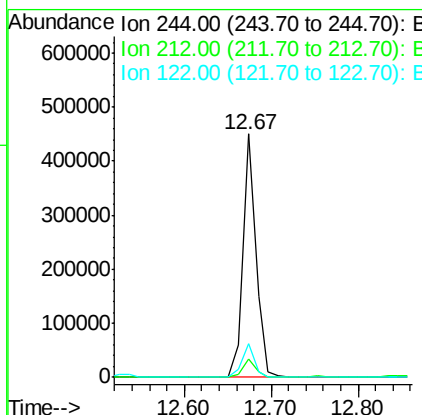
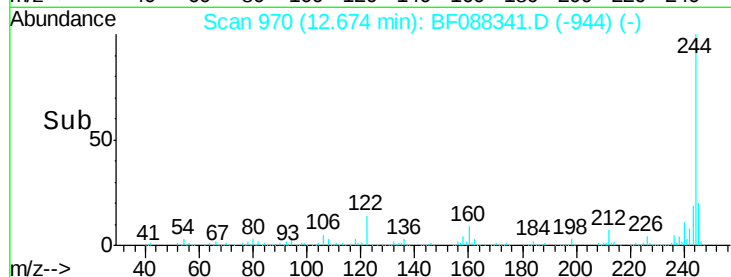
Instrument :
 BNA_F
 ClientSampleId :
 PM-STA-1436(0-4)



Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	6.0	9.0
122	14.1	11.2	16.8

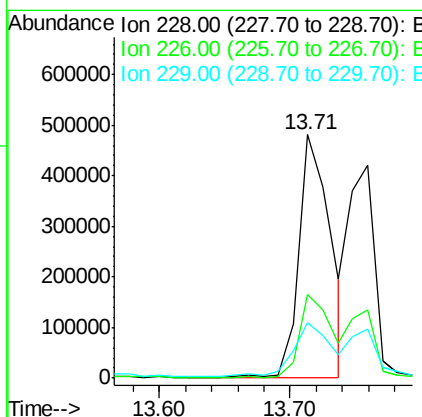
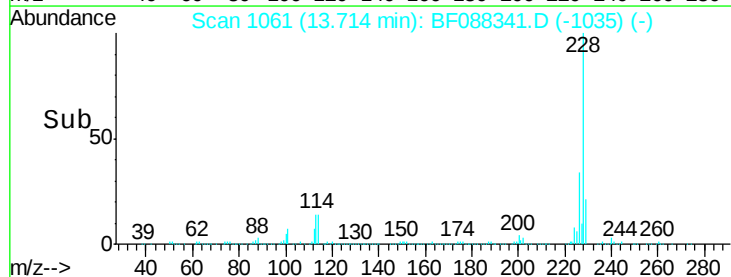
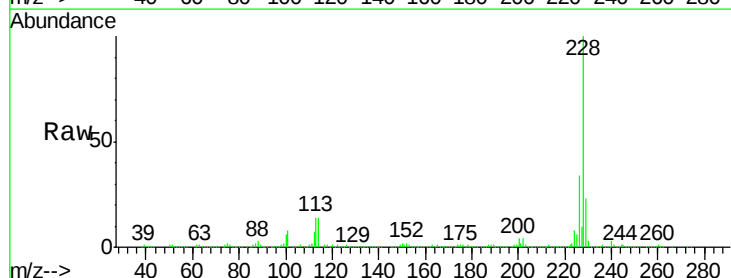
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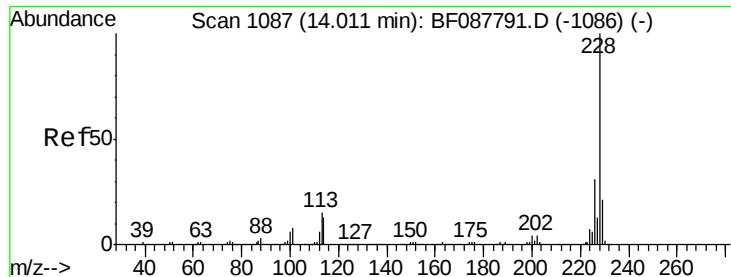
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#80
 Benzo(a)anthracene
 Concen: 98.92 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BF088341.D
 Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	34.3	22.3	33.5#
229	22.5	16.0	24.0





#82

Chrysene

Concen: 75.85 ng m

RT: 13.76 min Scan# 1065

Delta R.T. 0.01 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Instrument :

BNA_F

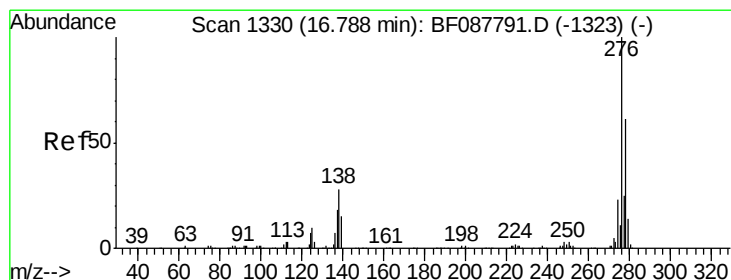
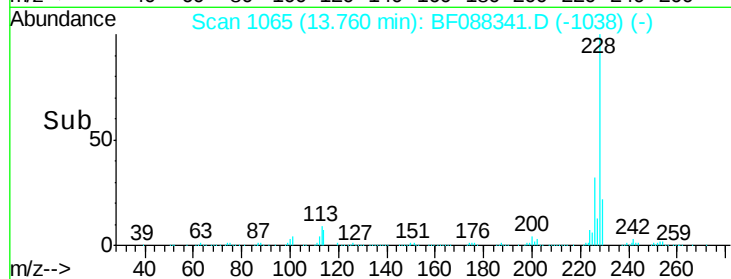
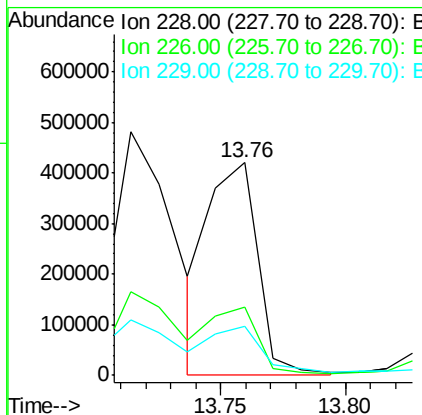
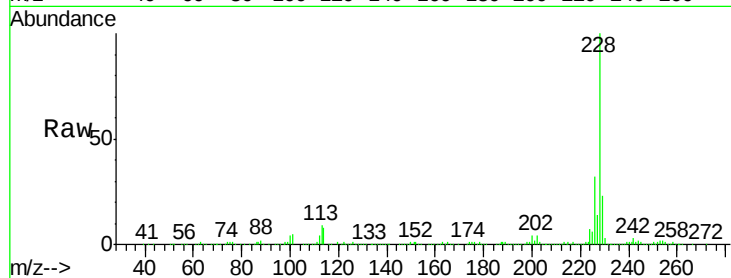
ClientSampleId :

PM-STA-1436(0-4)

Tgt Ion:	228	Resp:	576664
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.4	38.2
229	23.1	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 43.10 ng

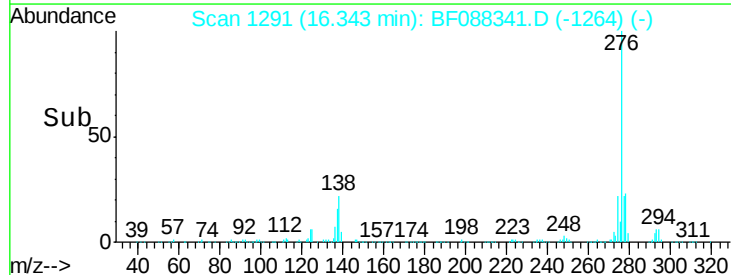
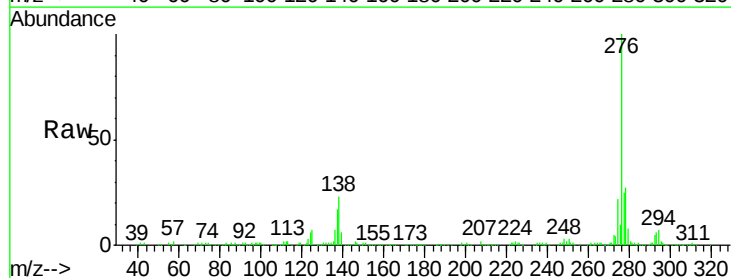
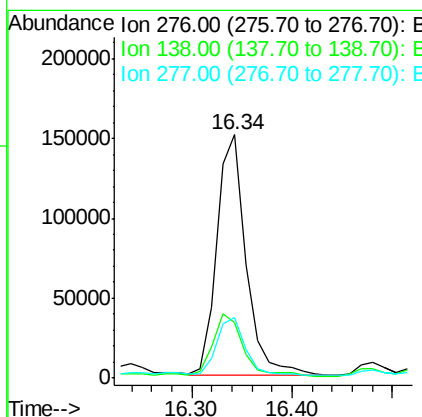
RT: 16.34 min Scan# 1291

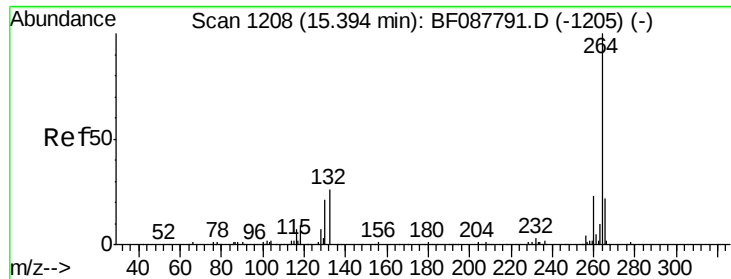
Delta R.T. 0.01 min

Lab File: BF088341.D

Acq: 24 Jun 2016 19:51

Tgt Ion:	276	Resp:	304464
Ion Ratio	Lower	Upper	
276	100		
138	26.9	0.0	0.0#
277	23.9	0.0	0.0#





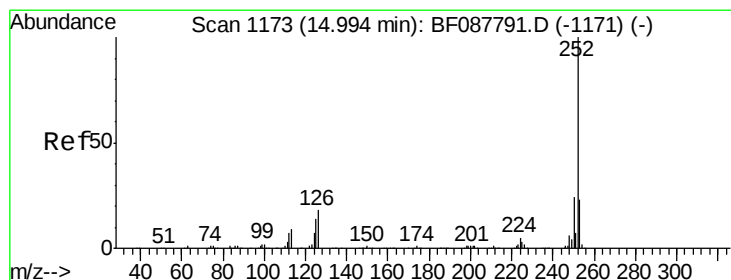
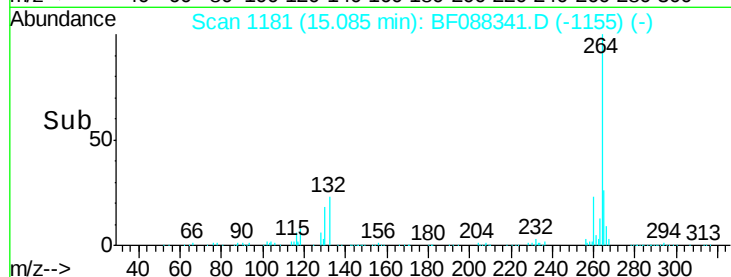
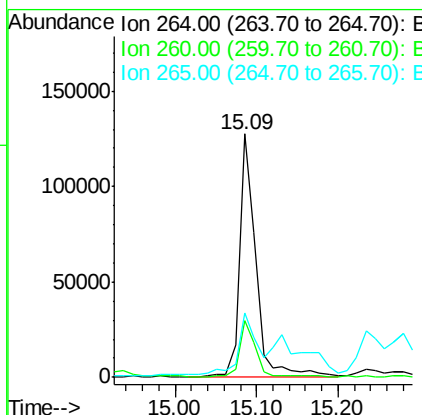
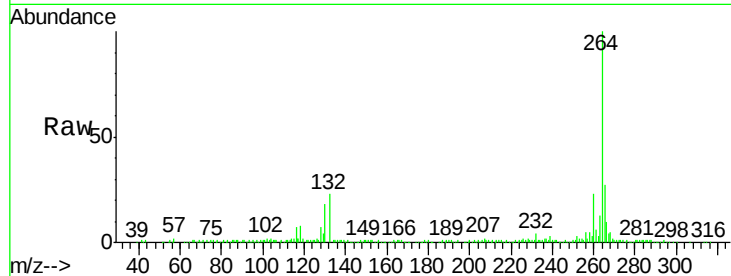
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	26.7	16.9	25.3

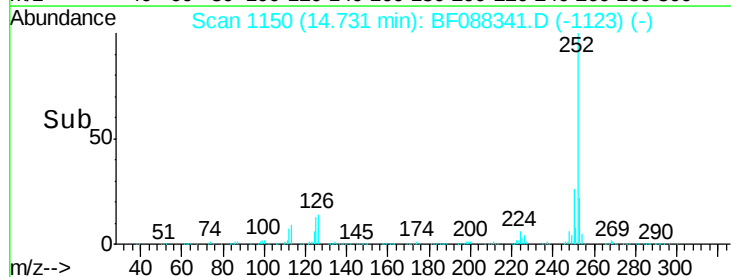
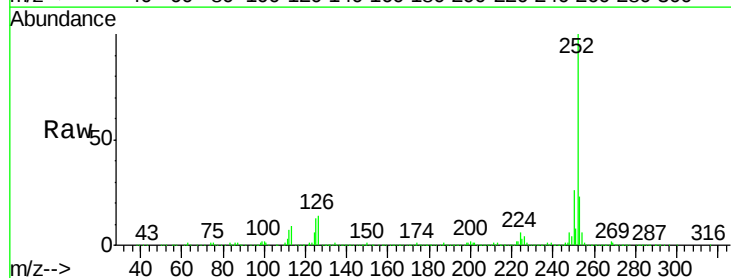
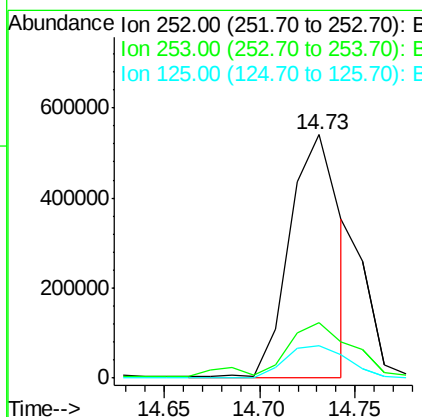
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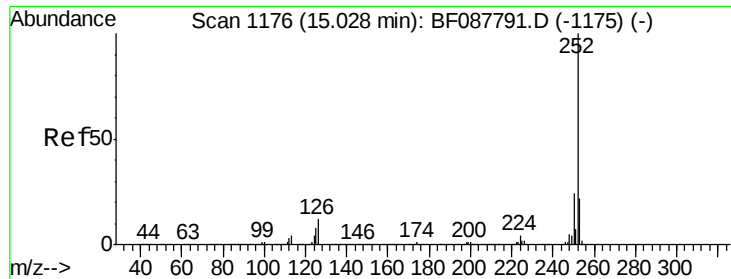
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#87
Benzo(b)fluoranthene
Concen: 82.28 ng m
RT: 14.73 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	13.1	7.1	10.7





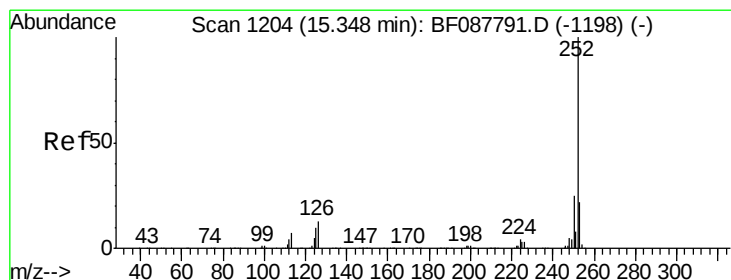
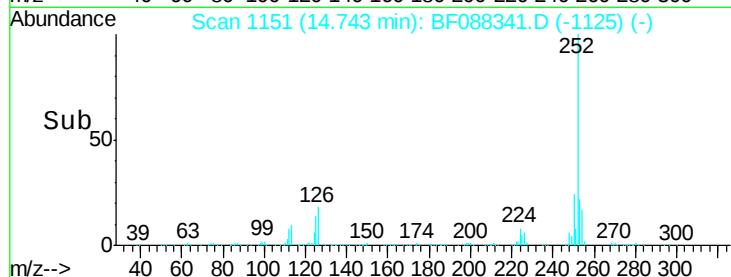
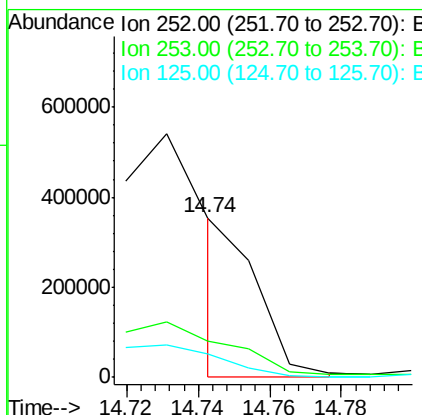
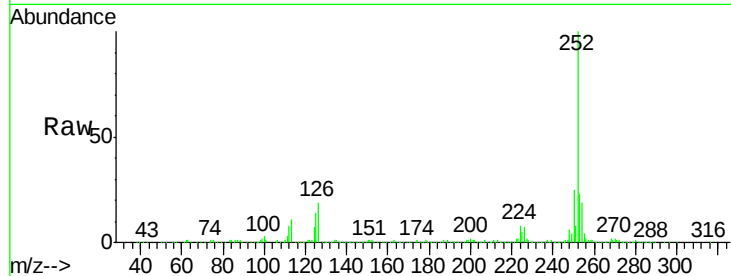
#88
Benzo(k)fluoranthene
Concen: 22.35 ng m
RT: 14.74 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.4	11.2	16.8

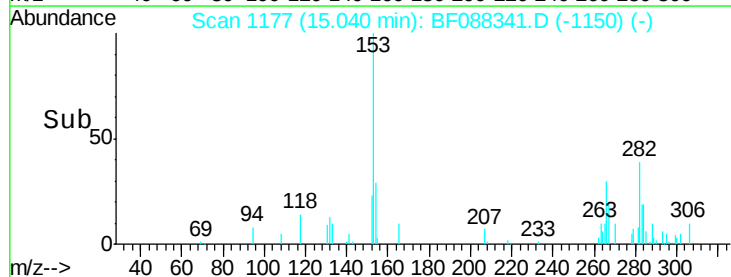
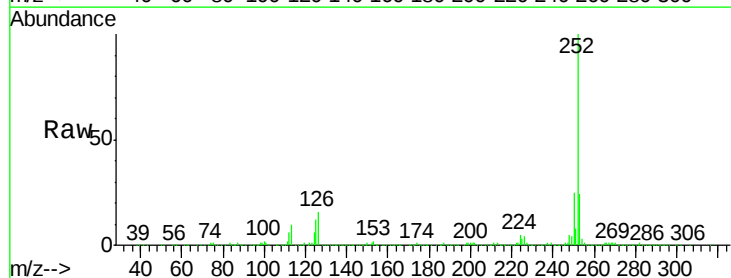
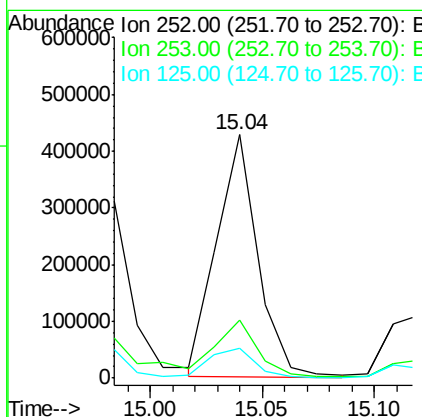
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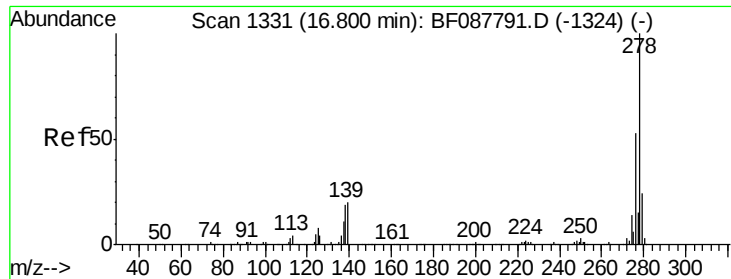
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#89
Benzo(a)pyrene
Concen: 55.70 ng m
RT: 15.04 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.3	12.5	18.7#





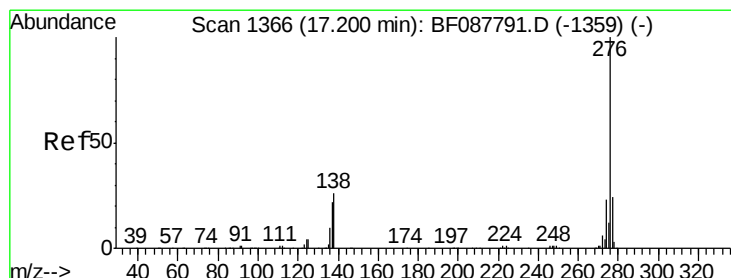
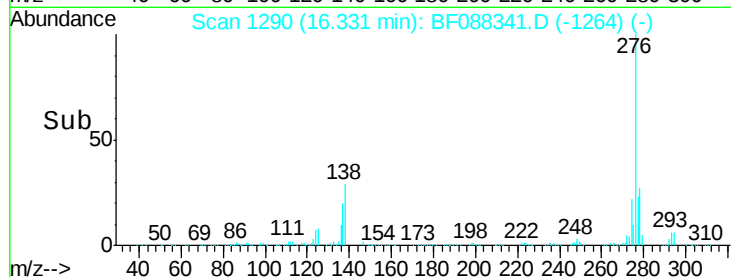
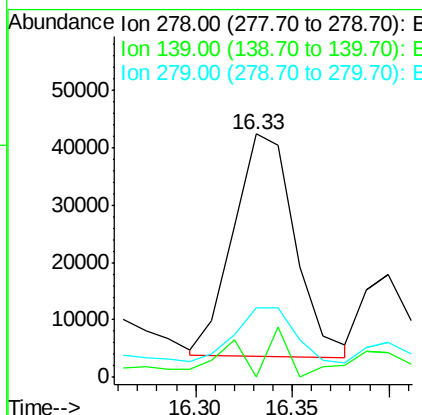
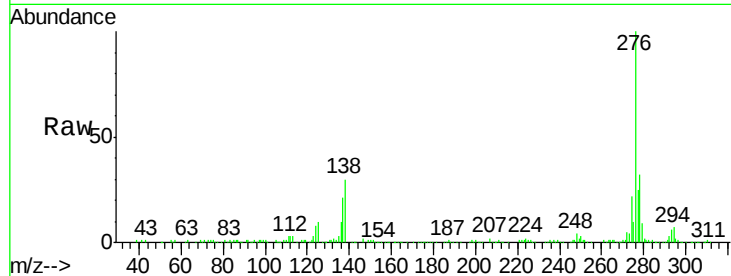
#90
Dibenzo(a,h)anthracene
Concen: 9.50 ng m
RT: 16.33 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Instrument :
BNA_F
ClientSampleId :
PM-STA-1436(0-4)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.4	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 26.20 ng
RT: 16.71 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF088341.D
Acq: 24 Jun 2016 19:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	26.5	21.4	32.2

