

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093281.D
 Acq On : 1 Mar 2017 8:45
 Operator : SJ/MA
 Sample : I1998-04DL 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMPDL

Manual Integrations
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Quant Time: Mar 01 13:50:51 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	129822	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	501347	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	193907	20.00	ng	-0.05
63) Phenanthrene-d10	11.34	188	342961	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	268819	20.00	ng	-0.03
86) Perylene-d12	15.41	264	182584	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	504490	66.67	ng	-0.03
7) Phenol-d6	6.46	99	639977	65.73	ng	-0.02
23) Nitrobenzene-d5	7.38	82	331499	36.82	ng	-0.05
41) 2,4,6-Tribromophenol	10.65	330	91454	65.21	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	594647	55.56	ng	-0.05
78) Terphenyl-d14	12.92	244	437550	38.24	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	181756	13.92	ng	99
51) Acenaphthene	9.88	154	48269	4.25	ng	96
54) Dibenzofuran	10.05	168	32961	2.17	ng	# 93
57) Fluorene	10.40	166	77899	6.67	ng	95
70) Phenanthrene	11.37	178	929164	47.29	ng	97
71) Anthracene	11.41	178	271746	13.77	ng	97
72) Carbazole	11.57	167	72759	3.86	ng	98
74) Fluoranthene	12.56	202	1144159	56.45	ng	99
77) Pyrene	12.78	202	1012272	50.32	ng	99
80) Benzo(a)anthracene	13.97	228	448961m	27.31	ng	
82) Chrysene	14.01	228	412755m	26.81	ng	
85) Indeno(1,2,3-cd)pyrene	16.81	276	149814	12.56	ng	96
87) Benzo(b)fluoranthene	15.00	252	456745m	38.01	ng	
88) Benzo(k)fluoranthene	15.03	252	65048m	6.27	ng	
89) Benzo(a)pyrene	15.36	252	260704	25.08	ng	100
90) Dibenzo(a,h)anthracene	16.81	278	35578	4.23	ng	# 82
91) Benzo(g,h,i)perylene	17.23	276	128202	15.10	ng	# 89

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

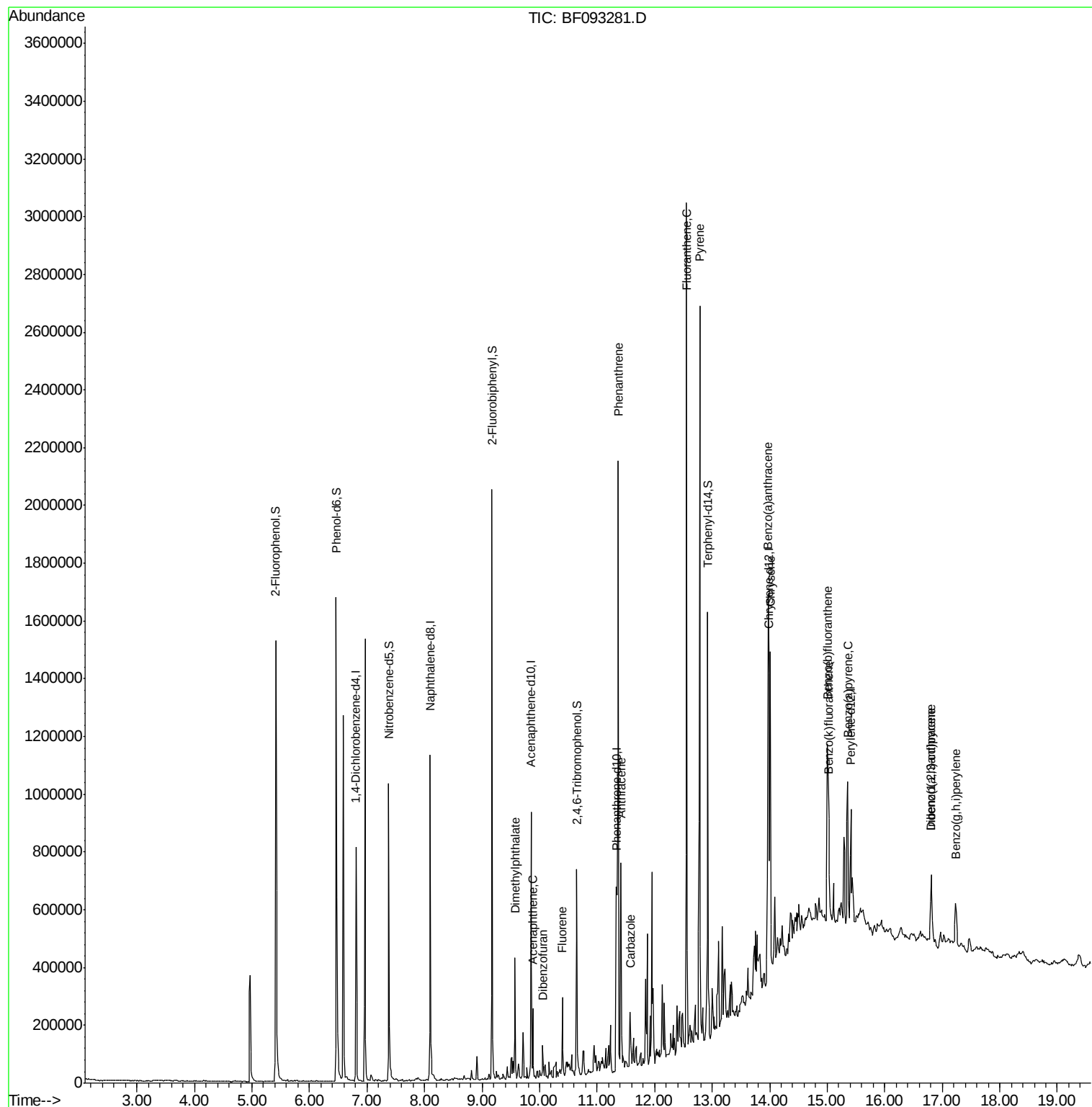
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093281.D
Acq On : 1 Mar 2017 8:45
Operator : SJ/MA
Sample : I1998-04DL 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

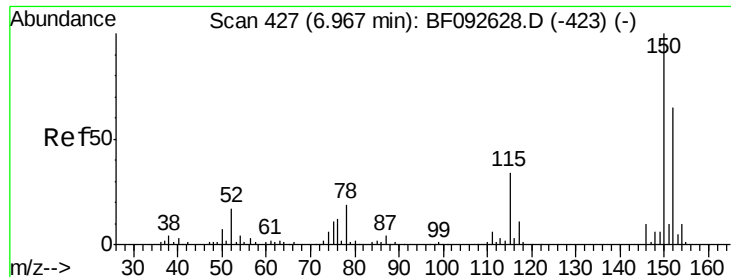
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Quant Time: Mar 01 13:50:51 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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#1

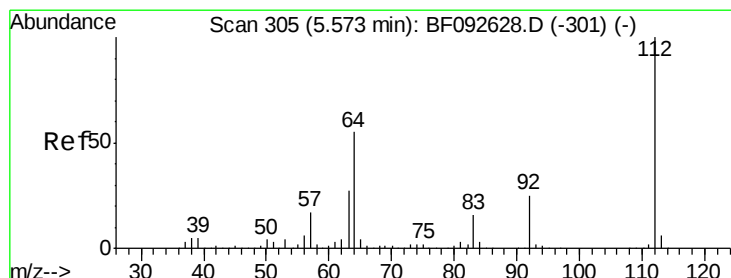
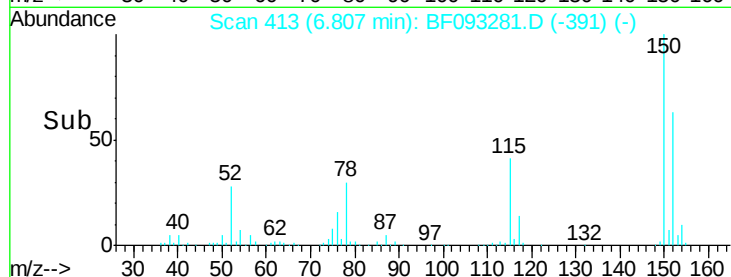
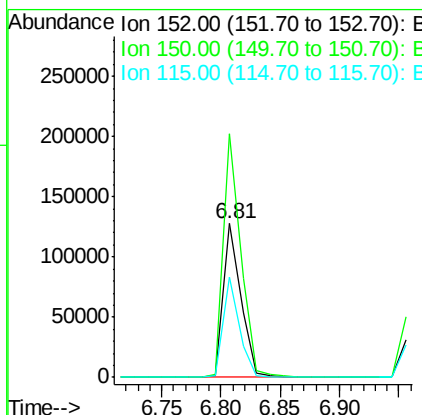
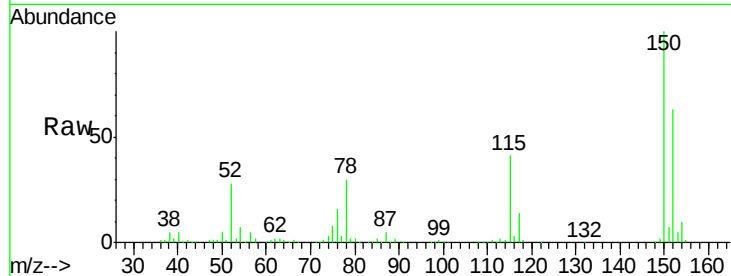
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.9	187.3
115	64.9	46.0	69.0

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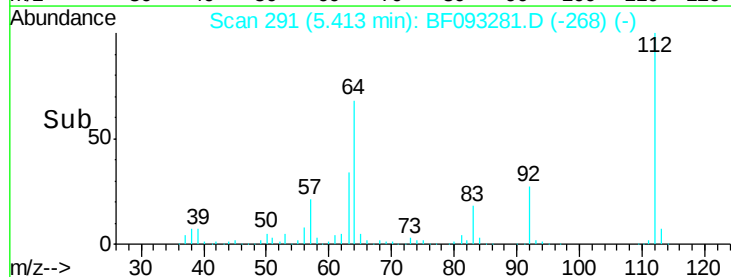
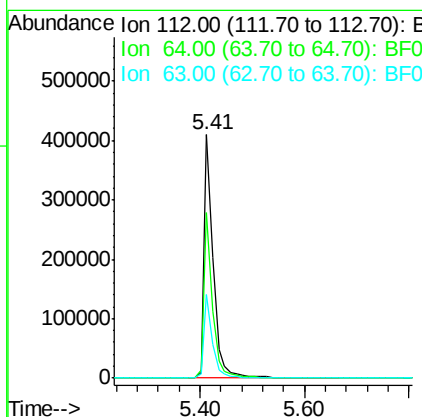
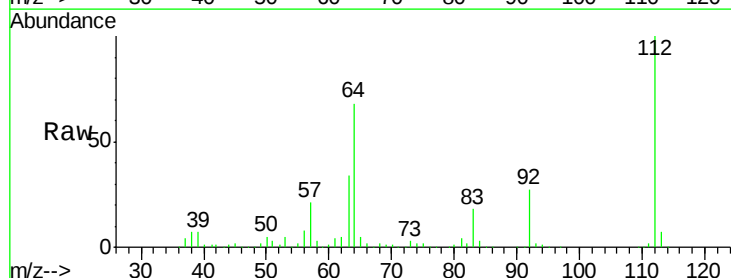
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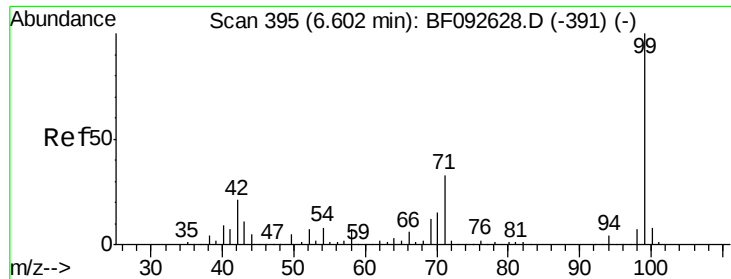


#5

2-Fluorophenol
Concen: 66.67 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	46.1	69.1
63	34.5	23.8	35.6





#7

Phenol-d6

Concen: 65.73 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Instrument :

BNA_F

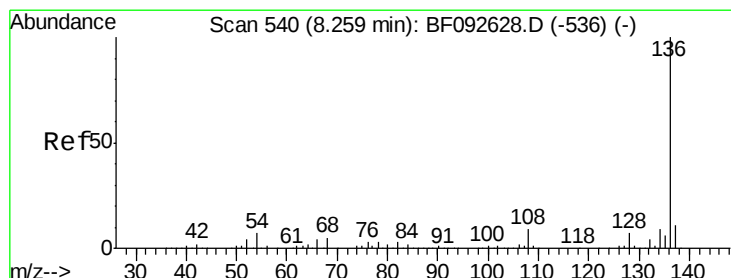
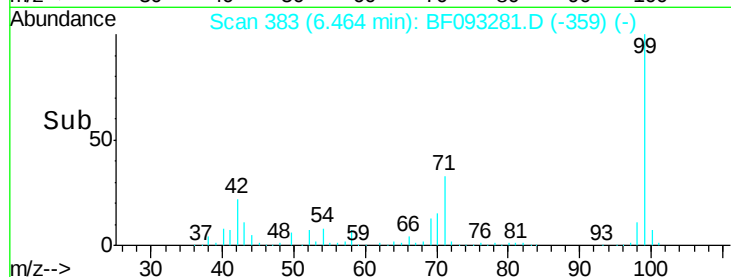
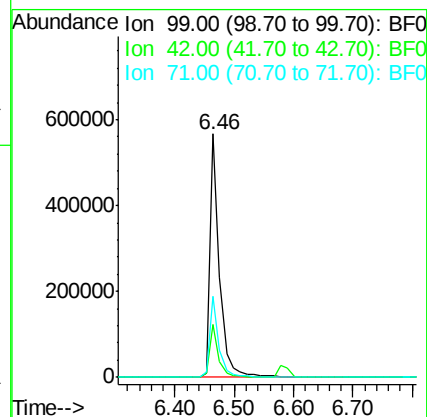
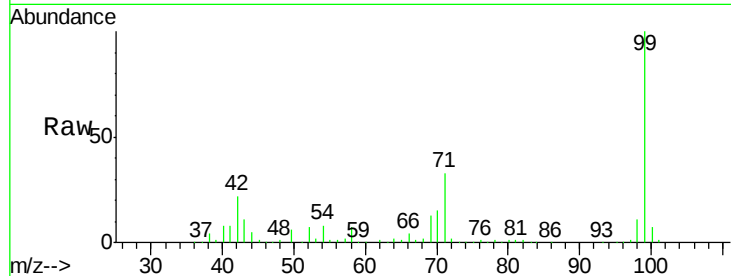
ClientSampleId :

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Tgt Ion:	99	Resp:	639977
Ion Ratio	Lower	Upper	
99	100		
42	21.8	15.6	23.4
71	33.5	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

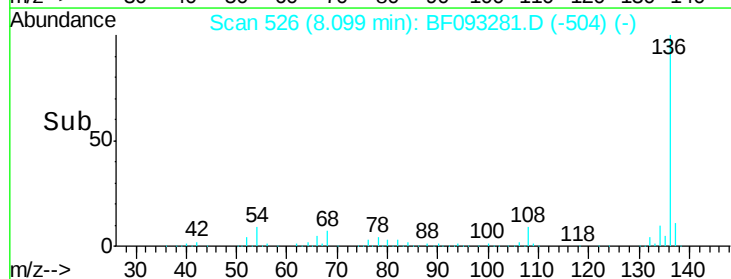
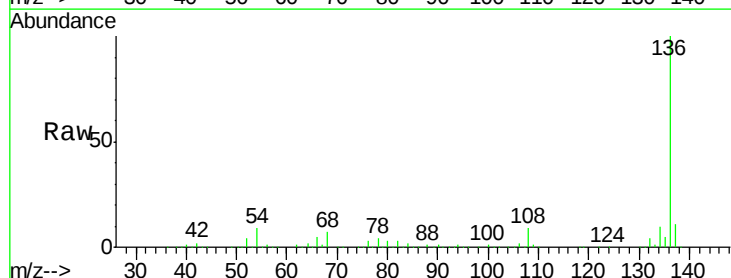
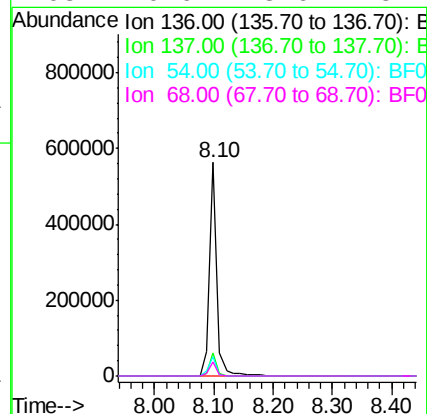
RT: 8.10 min Scan# 526

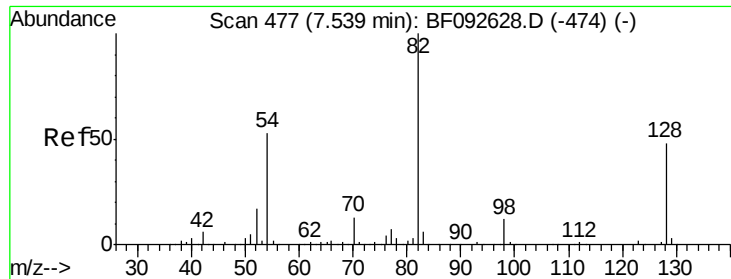
Delta R.T. -0.05 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Tgt Ion:	136	Resp:	501347
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.4	12.6
54	9.1	4.5	6.7#
68	6.6	3.6	5.4#





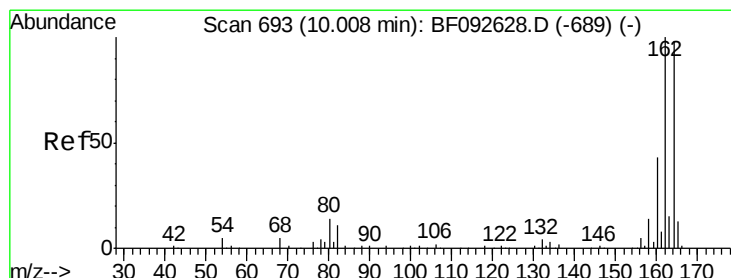
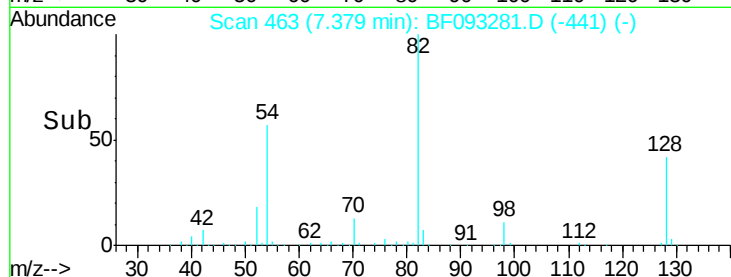
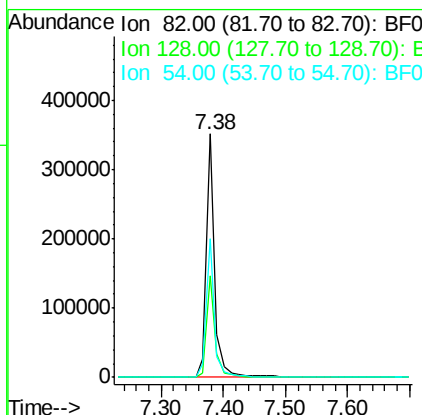
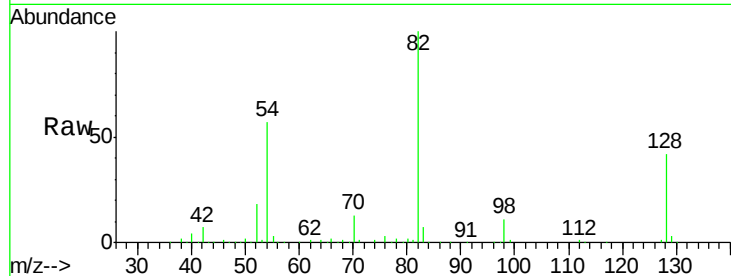
#23
 Nitrobenzene-d5
 Concen: 36.82 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	57.2	39.5	59.3

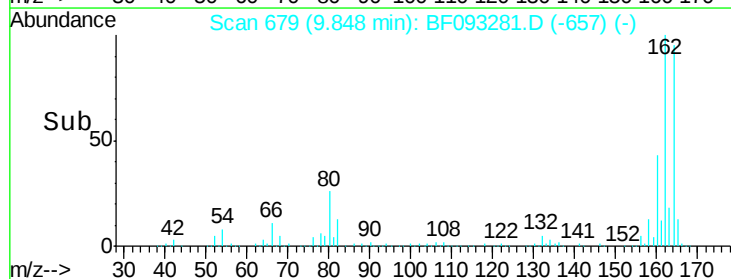
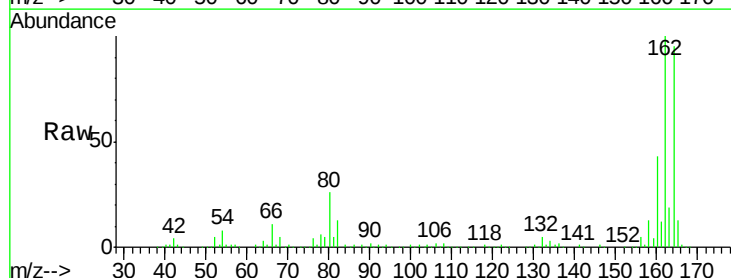
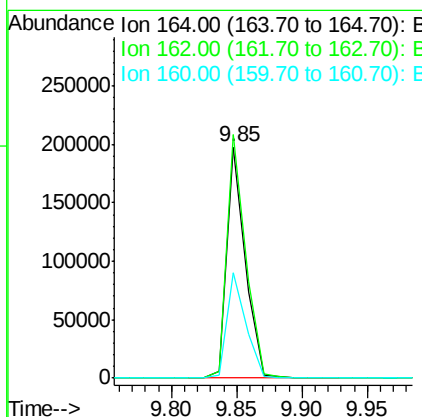
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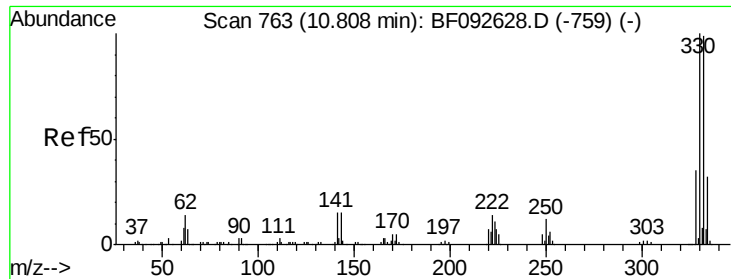
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

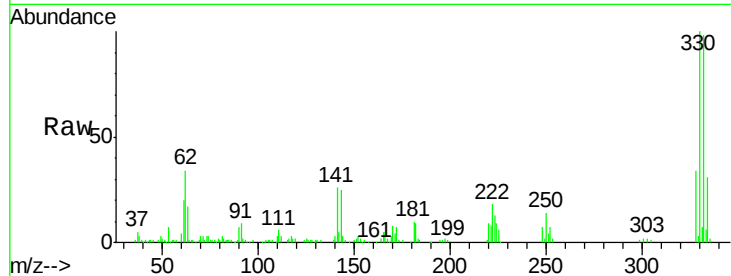
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.3	80.2	120.2
160	45.5	36.9	55.3





#41
 2,4,6-Tribromophenol
 Concen: 65.21 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

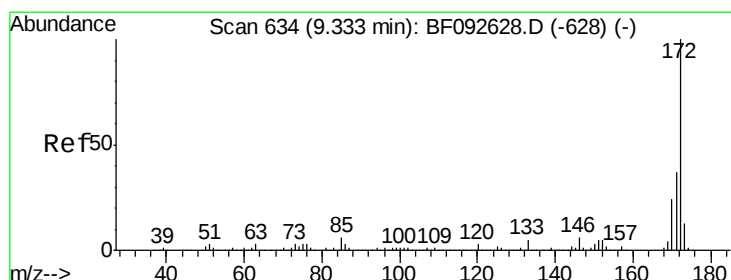
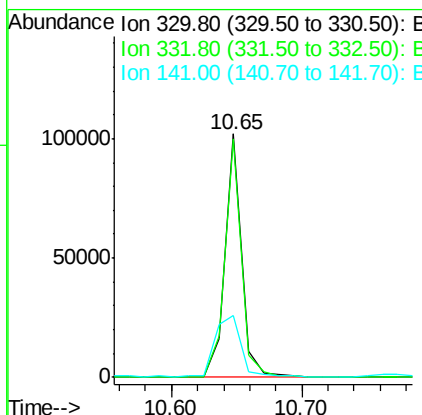
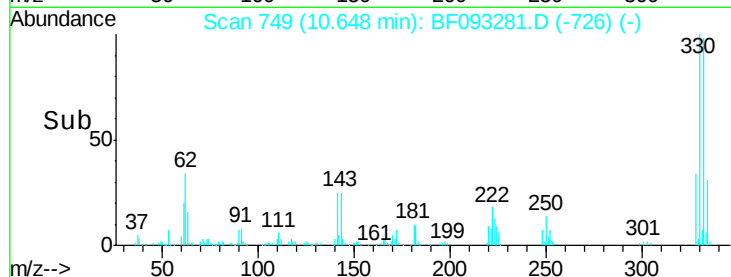
Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMPDL



Tgt Ion: 330 Resp: 91454
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.4 116.2
 141 41.4 34.1 51.1

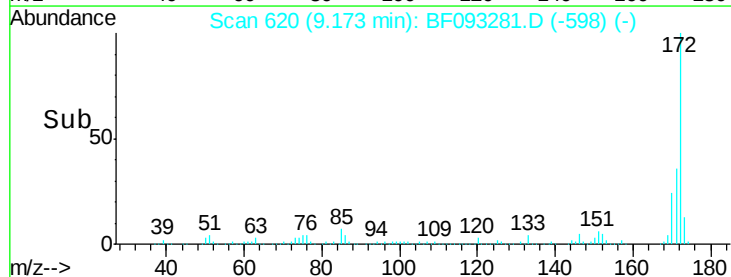
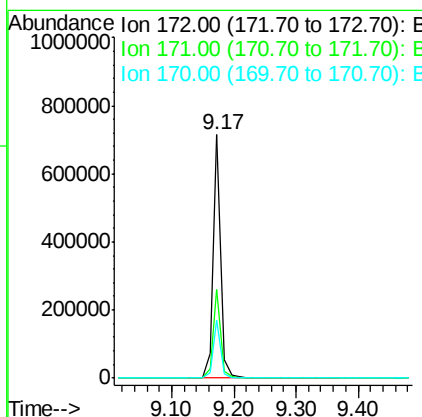
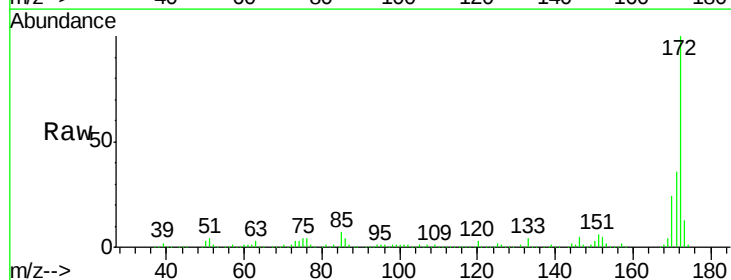
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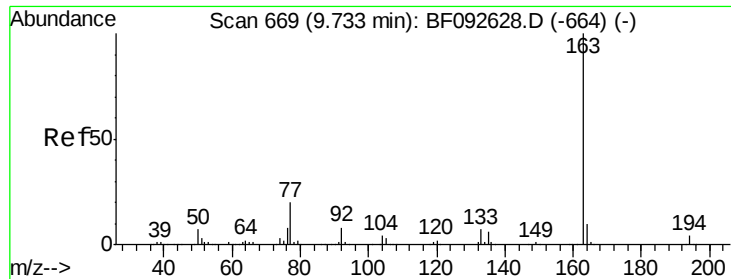
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#44
 2-Fluorobiphenyl
 Concen: 55.56 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

Tgt Ion: 172 Resp: 594647
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.0
 170 23.8 20.2 30.4





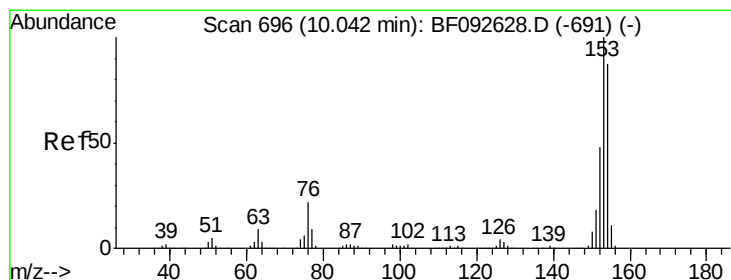
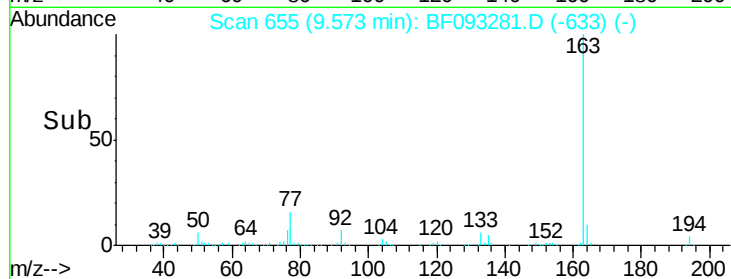
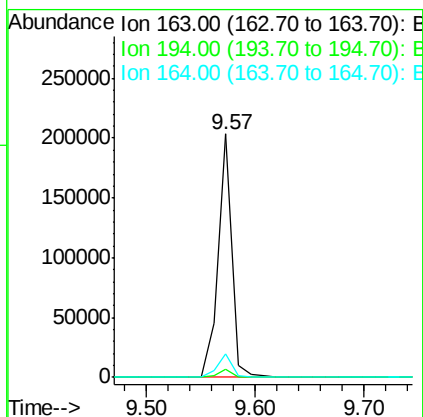
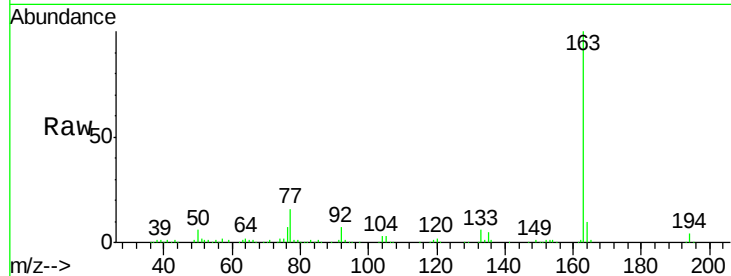
#49
Dimethylphthalate
Concen: 13.92 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	181756		
194	3.5		3.0	4.4
164	9.6		8.0	12.0

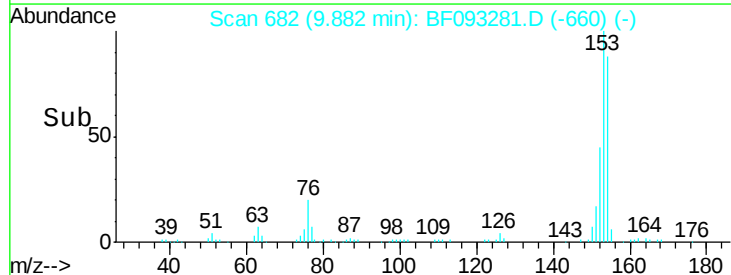
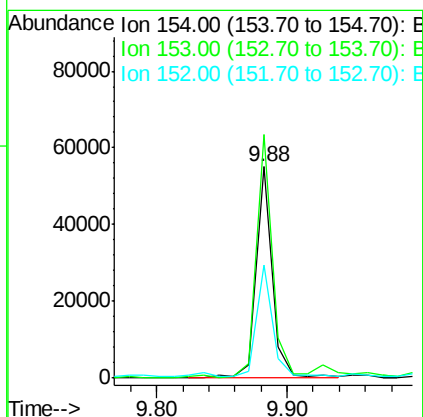
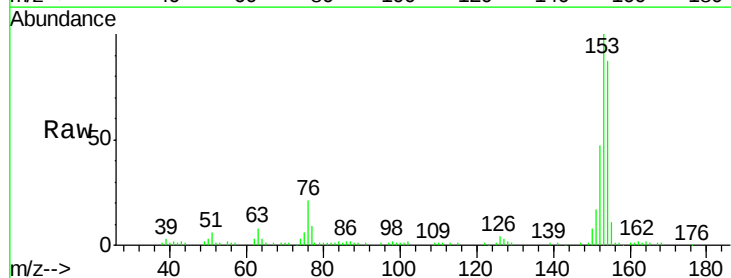
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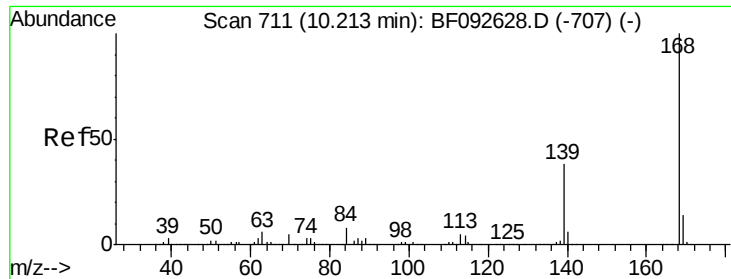
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#51
Acenaphthene
Concen: 4.25 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	48269		
153	115.2		88.6	133.0
152	53.8		41.6	62.4





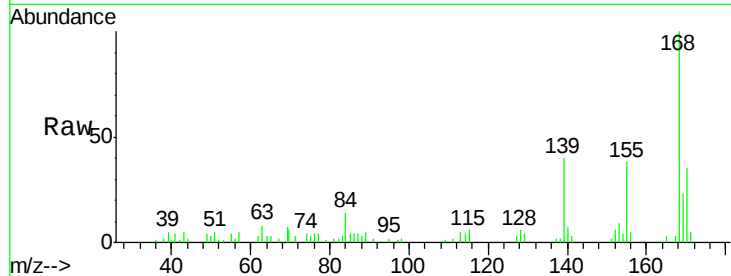
#54
Dibenzenofuran
Concen: 2.17 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPL

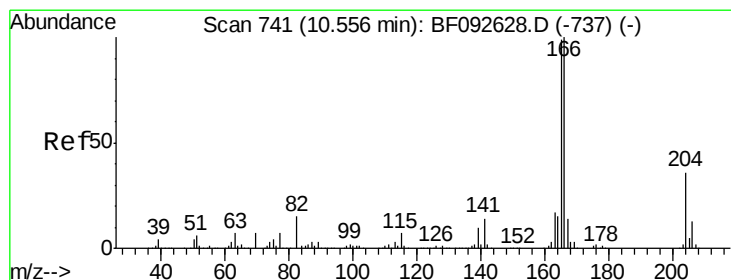
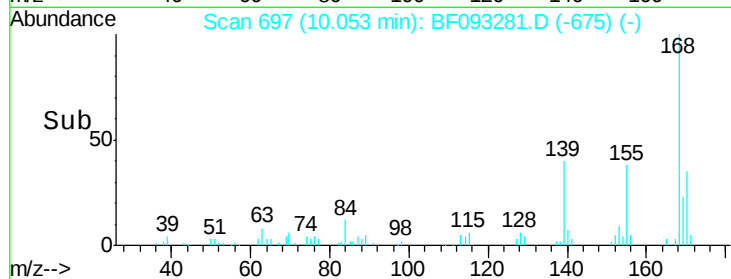
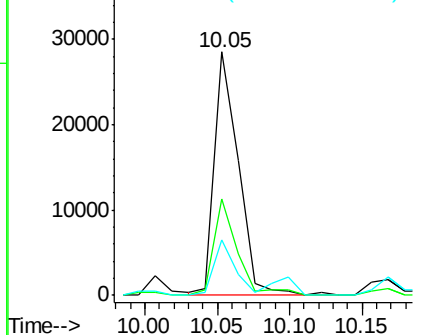
Tgt Ion	Ratio	Resp	Lower	Upper
168	100	32961		
139	39.8	32.6	49.0	
169	22.7	11.3	16.9	

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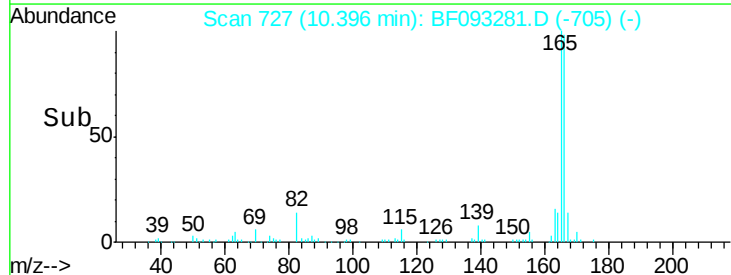
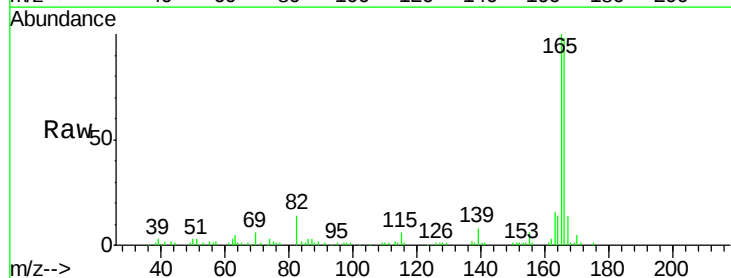
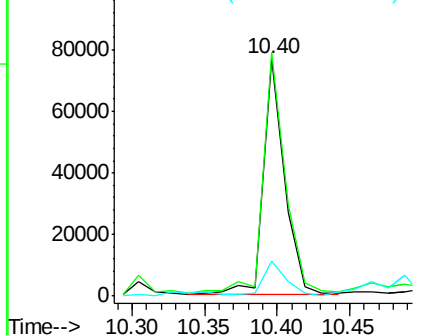
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Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

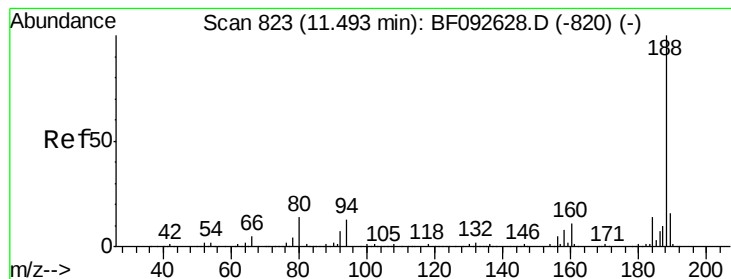


#57
Fluorene
Concen: 6.67 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.05 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	77899		
165	102.4	77.8	116.8	
167	14.8	10.8	16.2	

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





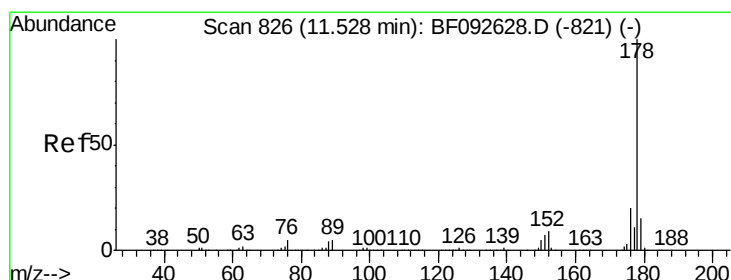
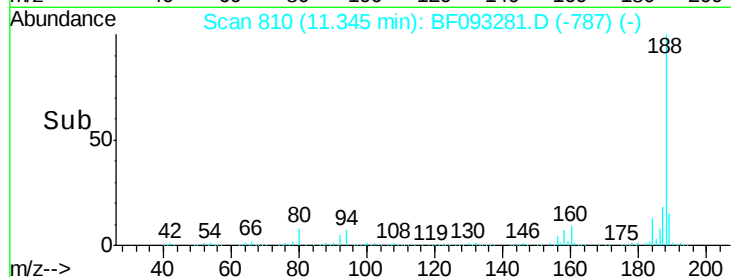
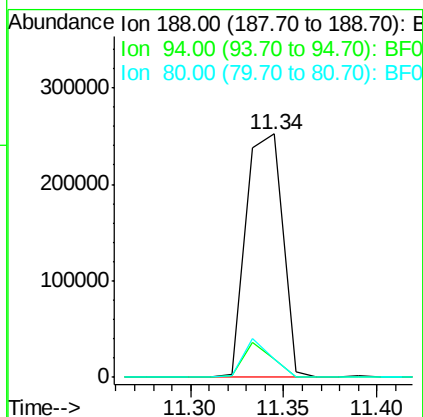
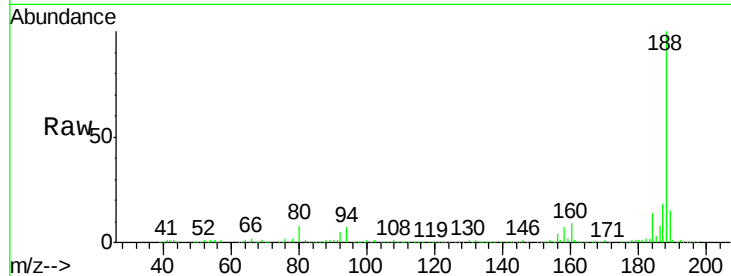
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	342961		
94	7.4	10.0	15.0#	
80	7.5	11.2	16.8#	

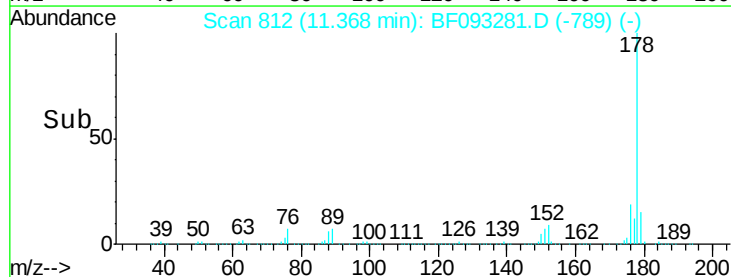
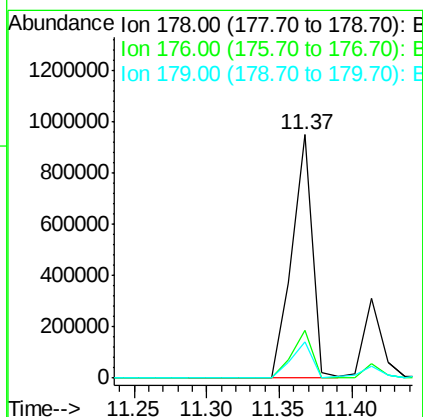
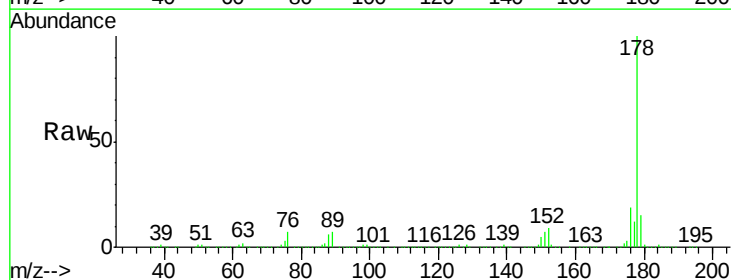
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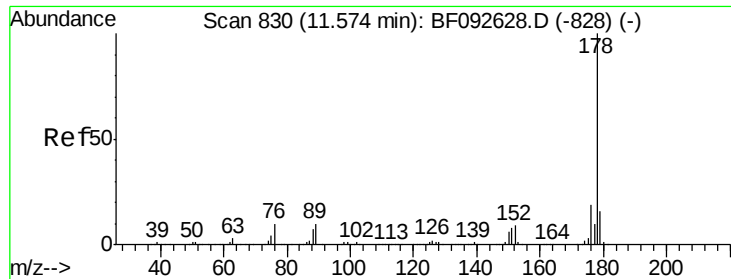
mohammad
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#70
Phenanthrene
Concen: 47.29 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	929164		
176	19.4	16.6	25.0	
179	15.0	12.8	19.2	





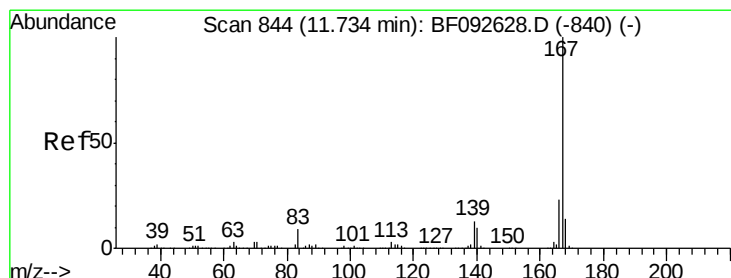
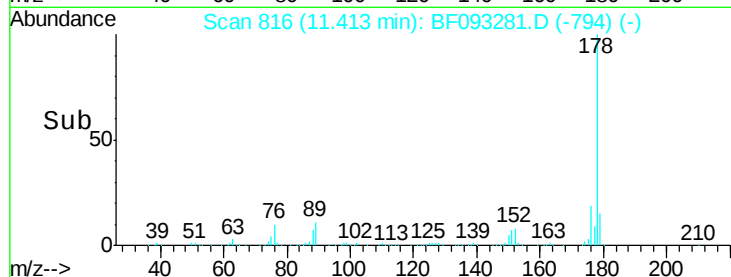
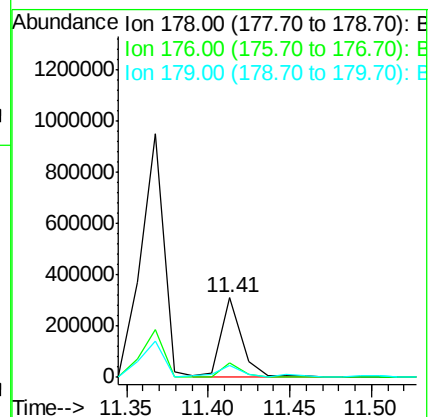
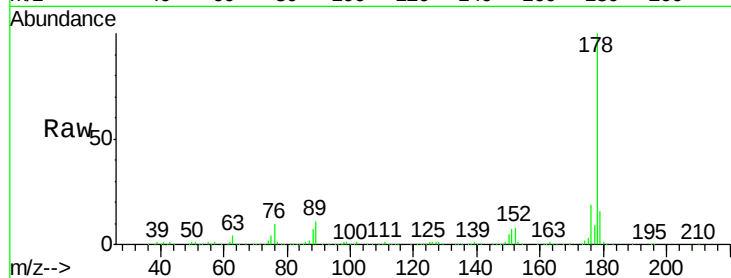
#71
 Anthracene
 Concen: 13.77 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.05 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.9	23.9
179	15.5	13.2	19.8

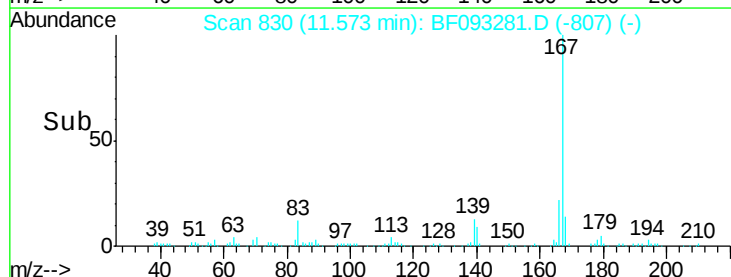
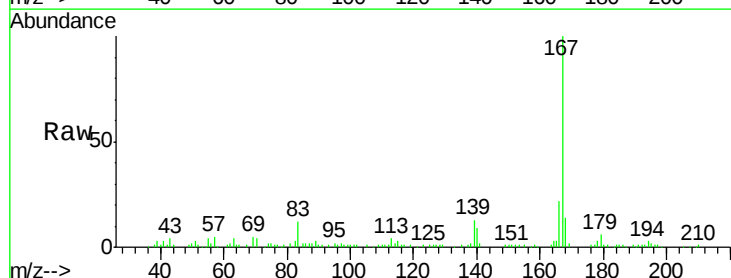
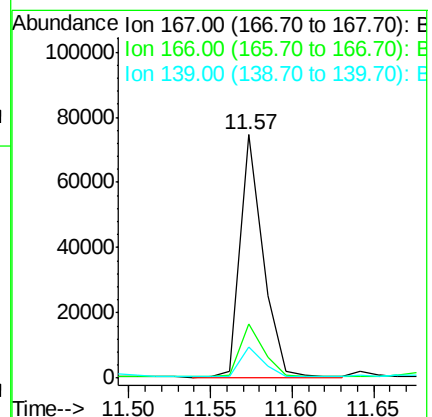
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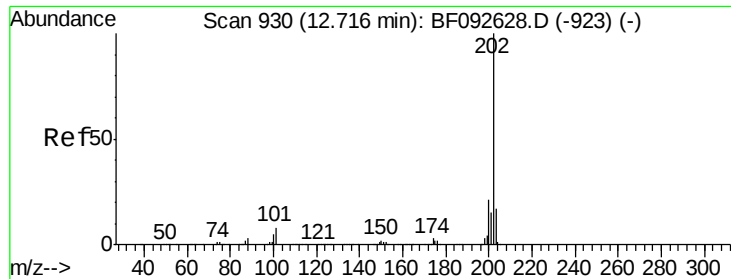
mohammad
 3/1/2017 4:07:09 PM



#72
 Carbazole
 Concen: 3.86 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.2	27.2
139	12.9	11.4	17.2





#74

Fluoranthene

Concen: 56.45 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Instrument :

BNA_F

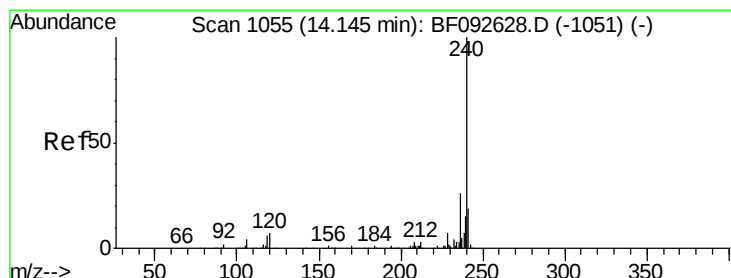
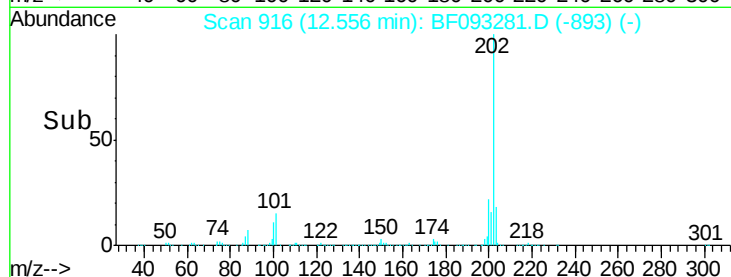
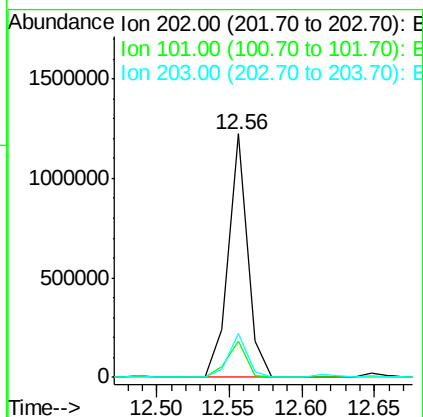
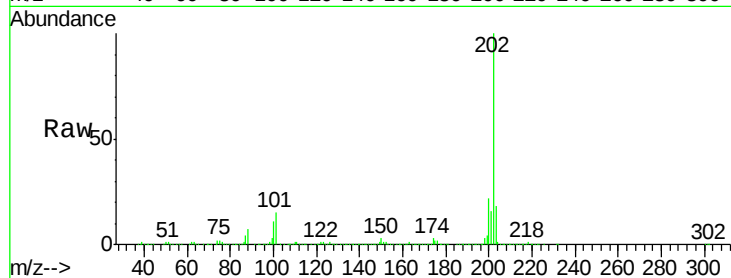
ClientSampleId :

ROLL-OFF-15-41-COMPDL

Tgt	Ion	202	Resp:	1144159
Ion	Ratio	Lower	Upper	
202	100			
101	14.7	0.0	34.6	
203	17.9	0.0	38.7	

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#75

Chrysene-d12

Concen: 20.00 ng

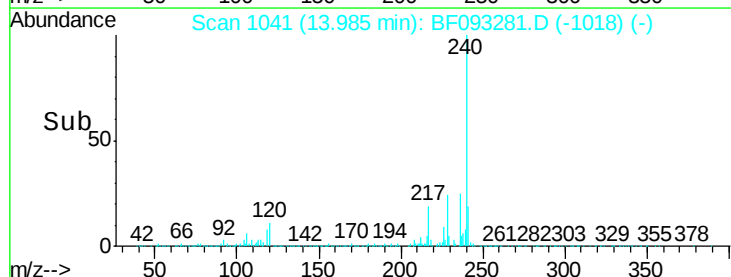
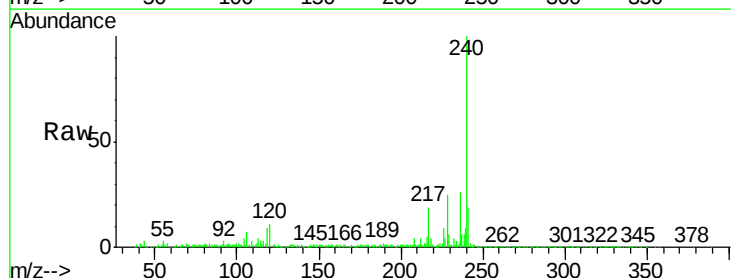
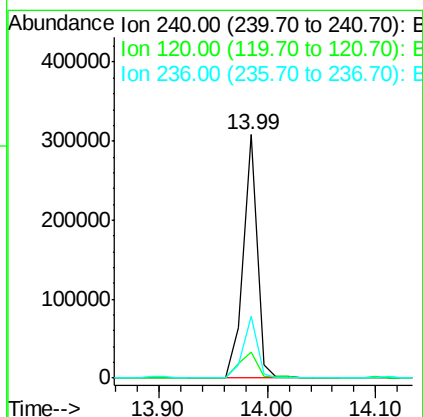
RT: 13.99 min Scan# 1041

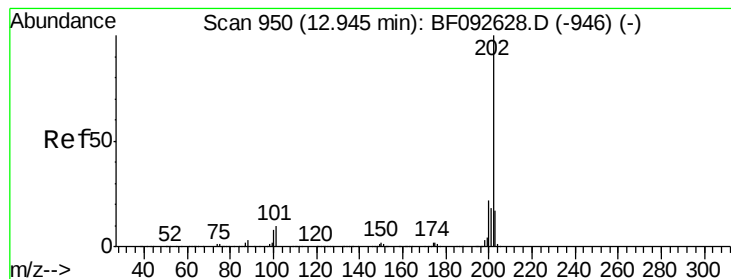
Delta R.T. -0.03 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Tgt	Ion	240	Resp:	268819
Ion	Ratio	Lower	Upper	
240	100			
120	10.9	12.9	19.3#	
236	25.5	20.9	31.3	





#77

Pyrene

Concen: 50.32 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Instrument :

BNA_F

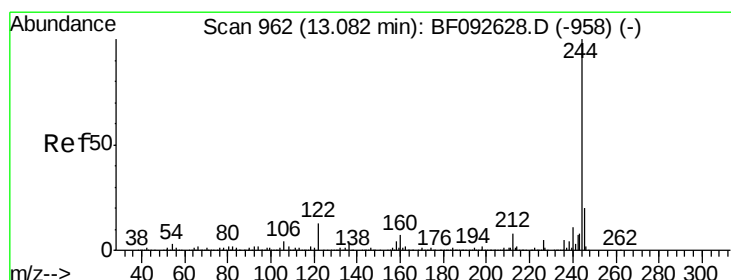
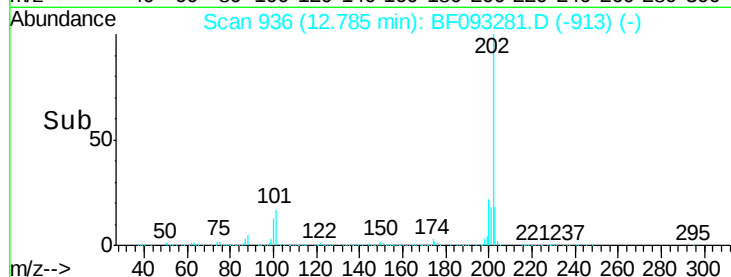
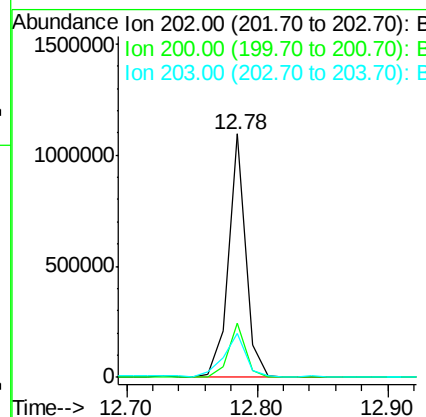
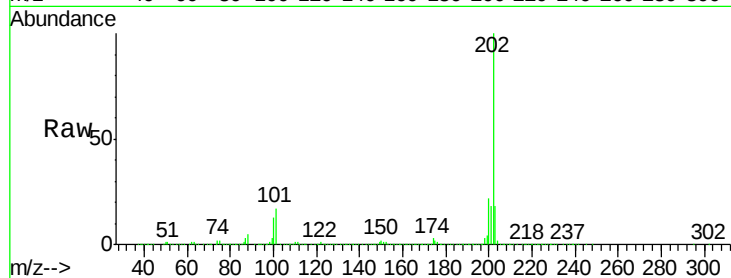
ClientSampleId :

ROLL-OFF-15-41-COMPDL

Tgt	Ion:202	Resp: 1012272	
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	17.9	14.7	22.1

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#78

Terphenyl-d14

Concen: 38.24 ng

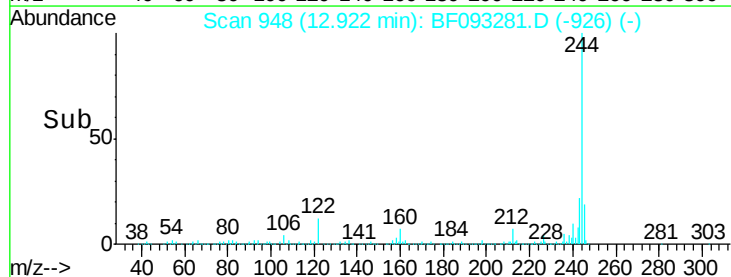
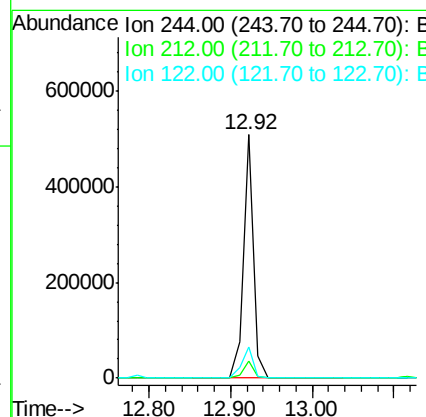
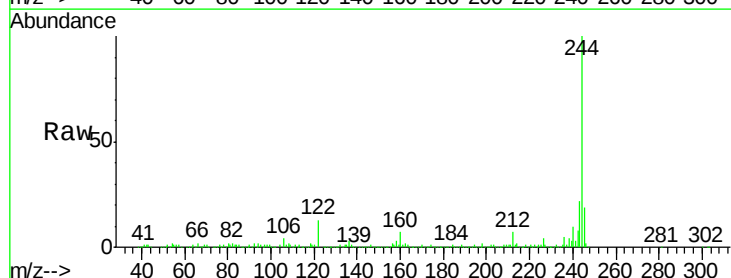
RT: 12.92 min Scan# 948

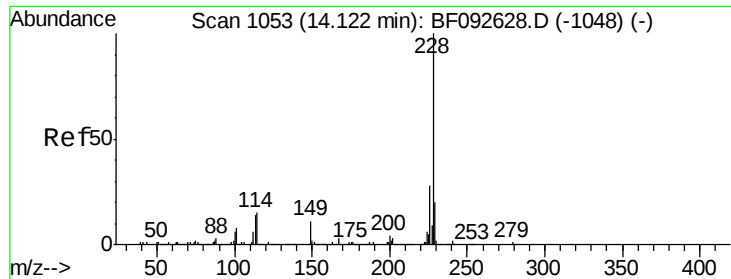
Delta R.T. -0.05 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Tgt	Ion:244	Resp: 437550	
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	12.5	11.4	17.2





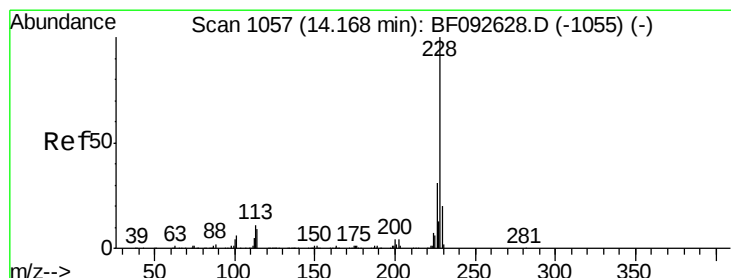
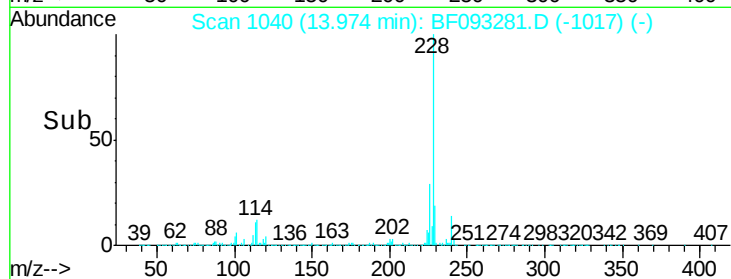
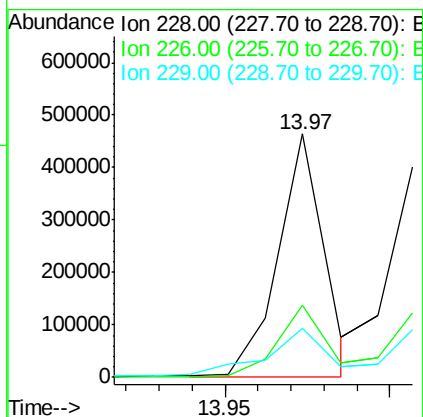
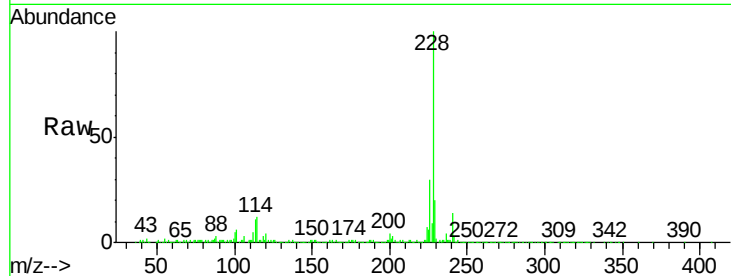
#80
Benzo(a)anthracene
Concen: 27.31 ng m
RT: 13.97 min Scan# 1040
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.4	33.6
229	20.1	16.2	24.4

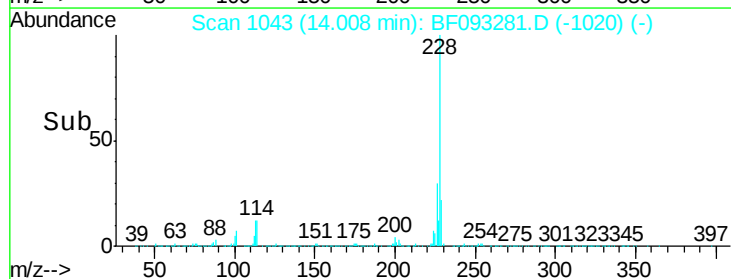
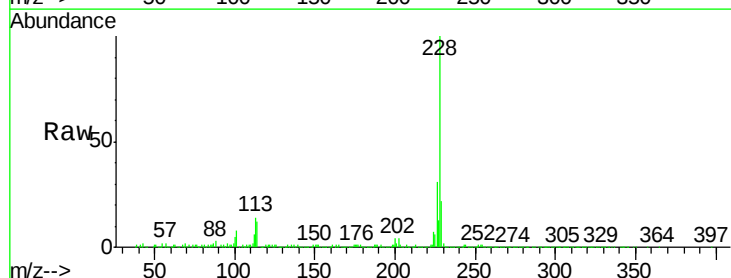
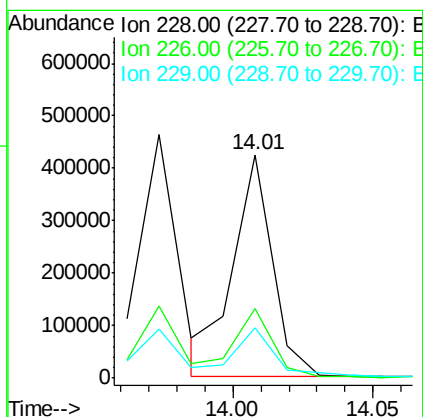
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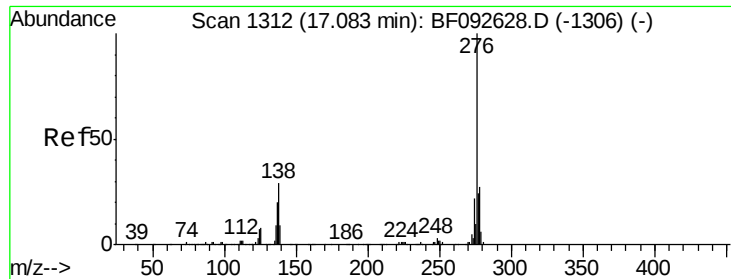
mohammad
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#82
Chrysene
Concen: 26.81 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.0
229	22.5	16.2	24.2





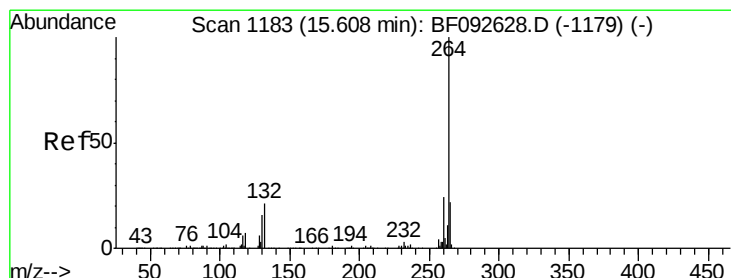
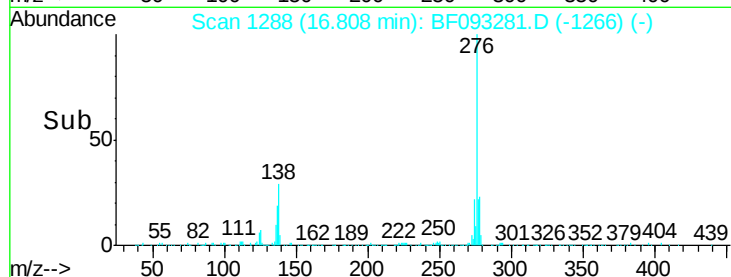
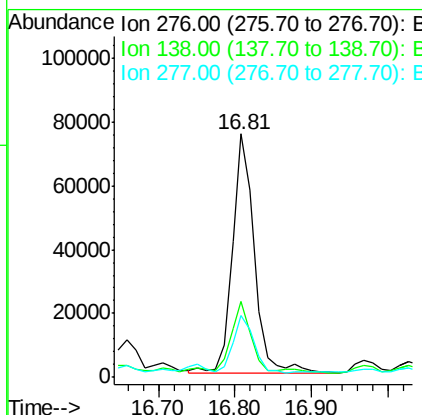
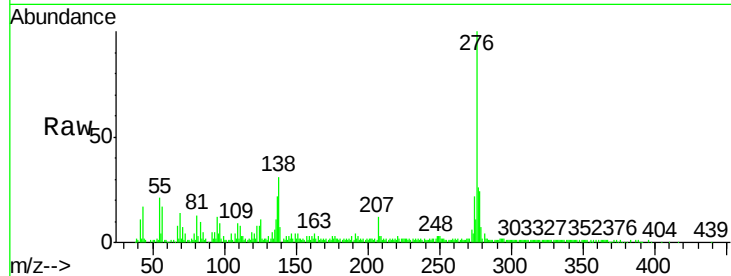
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.56 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.05 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.6	21.8	32.6
277	22.5	20.2	30.4

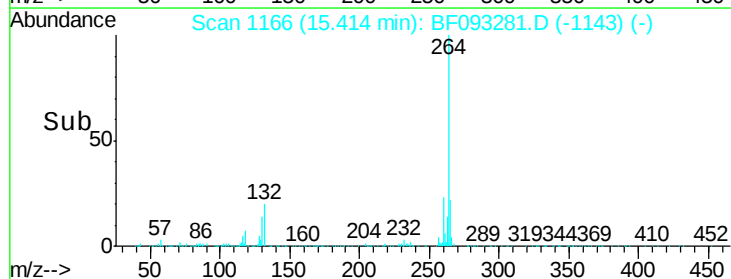
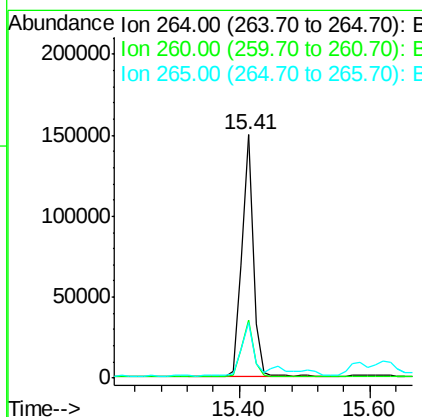
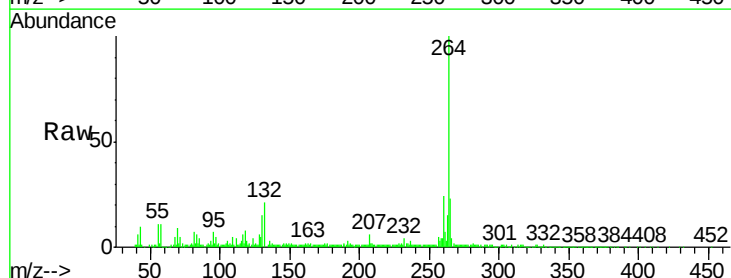
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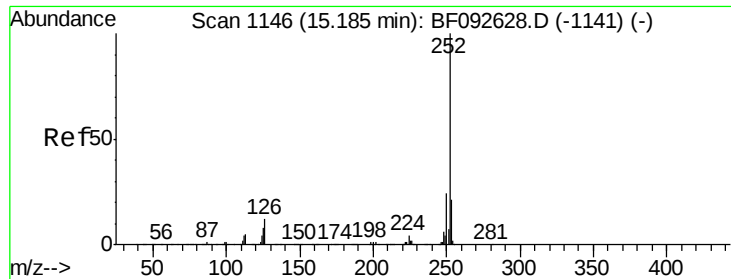
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.7	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 38.01 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

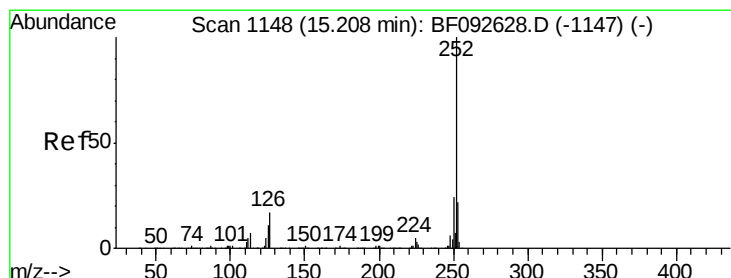
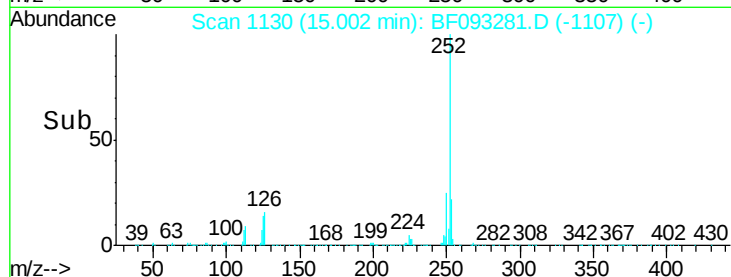
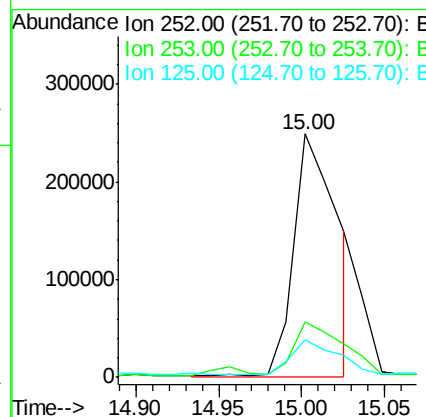
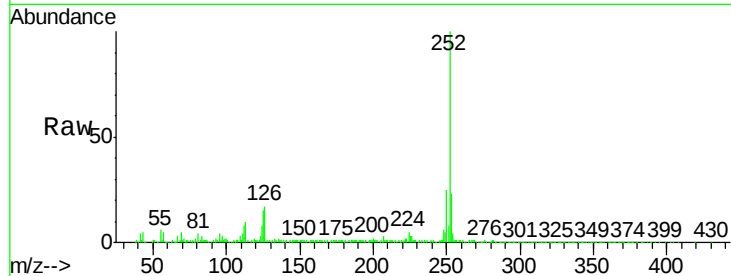
Instrument :
BNA_F

ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	15.2	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 6.27 ng m

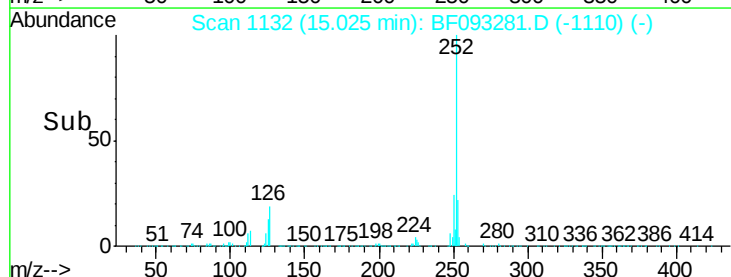
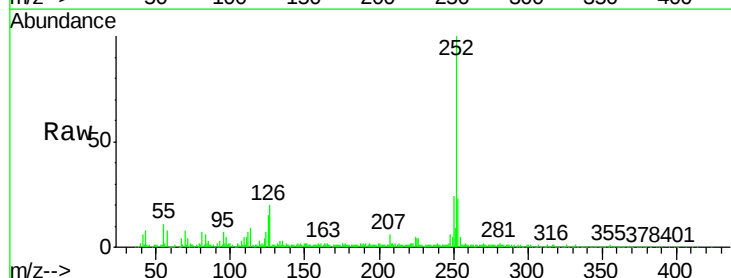
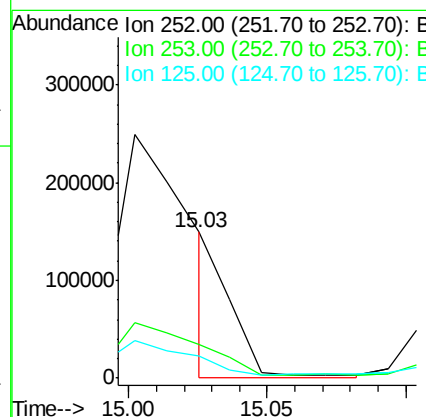
RT: 15.03 min Scan# 1132

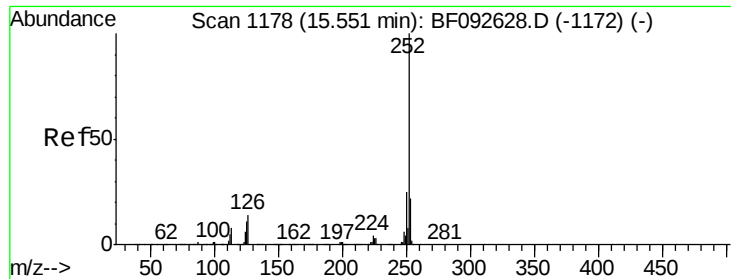
Delta R.T. -0.05 min

Lab File: BF093281.D

Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	15.2	8.9	13.3





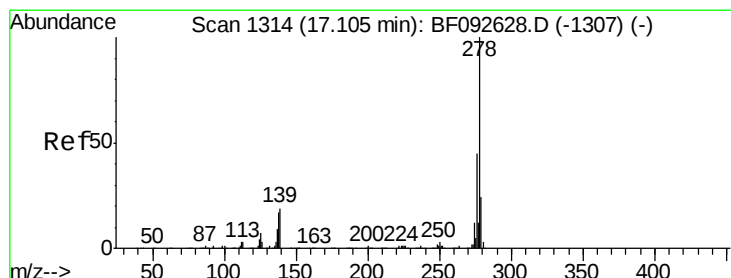
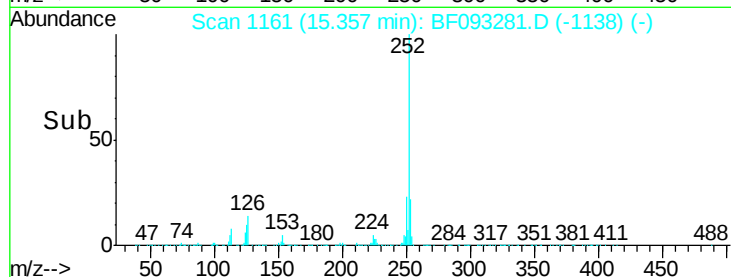
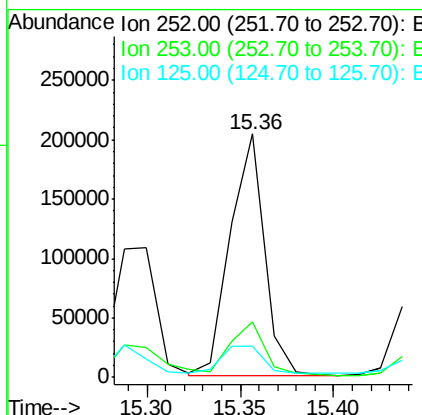
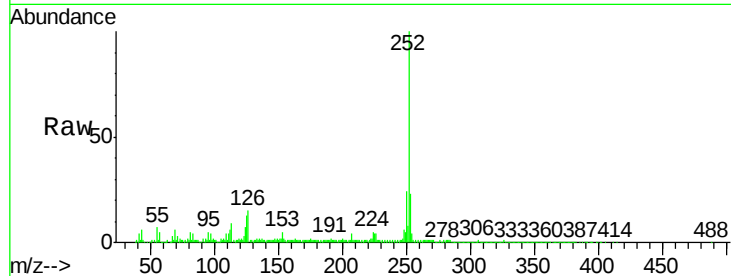
#89
Benzo(a)pyrene
Concen: 25.08 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.03 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-15-41-COMPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.9	10.0	15.0

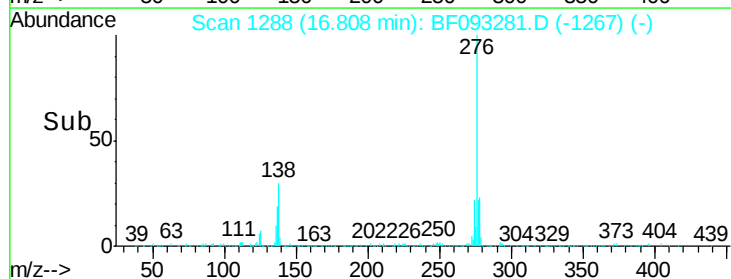
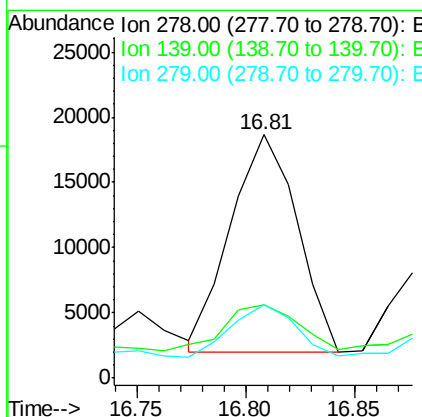
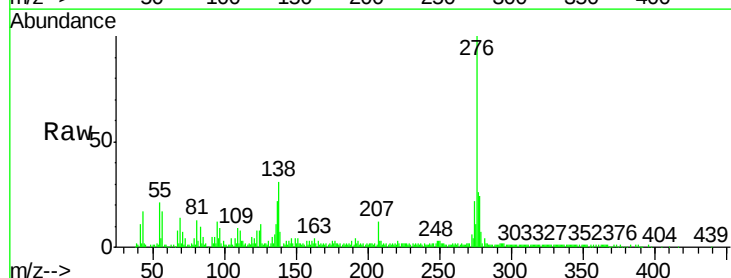
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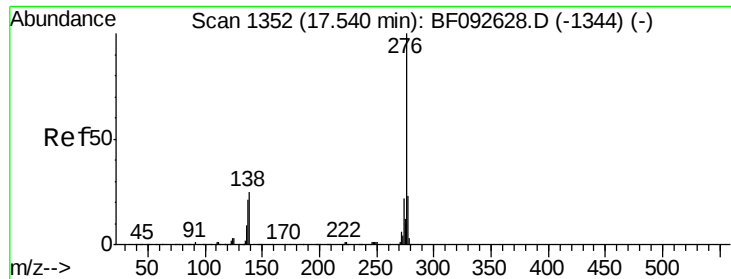
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 4.23 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.06 min
Lab File: BF093281.D
Acq: 1 Mar 2017 8:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.2	14.8	22.2#
279	30.3	19.8	29.6#





#91
 Benzo(g,h,i)perylene
 Concen: 15.10 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.06 min
 Lab File: BF093281.D
 Acq: 1 Mar 2017 8:45

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-15-41-COMPDL

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	25.5	19.2	28.8	
138	29.2	16.0	24.0	

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