

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070217\
 Data File : BF096429.D
 Acq On : 2 Jul 2017 21:18
 Operator : SJ/MA
 Sample : I3883-16RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G29-1.5-3RE

Manual Integrations
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 7/3/2017 4:07:53 PM

Quant Time: Jul 03 14:51:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	98981	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	378418	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	151064	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	242278	20.00	ng	0.00
75) Chrysene-d12	13.88	240	147708	20.00	ng	0.00
86) Perylene-d12	15.30	264	107570	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	30574	4.56	ng	0.00
7) Phenol-d6	6.37	99	430828	52.26	ng	0.00
23) Nitrobenzene-d5	7.29	82	319677	50.76	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	878	0.74	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	622710	70.48	ng	0.00
78) Terphenyl-d14	12.83	244	408896	59.15	ng	0.00
Target Compounds						
31) Naphthalene	8.04	128	69557	3.894	ng	Qvalue 99
37) 2-Methylnaphthalene	8.73	142	36553	3.214	ng	94
49) Dimethylphthalate	9.49	163	85195	7.555	ng	# 97
51) Acenaphthene	9.80	154	32156	3.413	ng	99
54) Dibenzofuran	9.97	168	38879	3.126	ng	# 96
70) Phenanthrene	11.27	178	284115	21.693	ng	99
71) Anthracene	11.32	178	69613	5.216	ng	99
72) Carbazole	11.47	167	27989	2.085	ng	96
74) Fluoranthene	12.46	202	236351	18.406	ng	99
77) Pyrene	12.69	202	213678	18.023	ng	99
80) Benzo(a)anthracene	13.87	228	80955	9.464	ng	97
82) Chrysene	13.90	228	69841m	7.797	ng	
83) Bis(2-ethylhexyl)phthalate	13.87	149	24380	3.639	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.67	276	25501	3.607	ng	96
87) Benzo(b)fluoranthene	14.89	252	63925m	9.484	ng	
88) Benzo(k)fluoranthene	14.92	252	20858m	3.459	ng	
89) Benzo(a)pyrene	15.23	252	46422	7.714	ng	# 79
91) Benzo(g,h,i)perylene	17.09	276	24854	5.066	ng	# 90

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

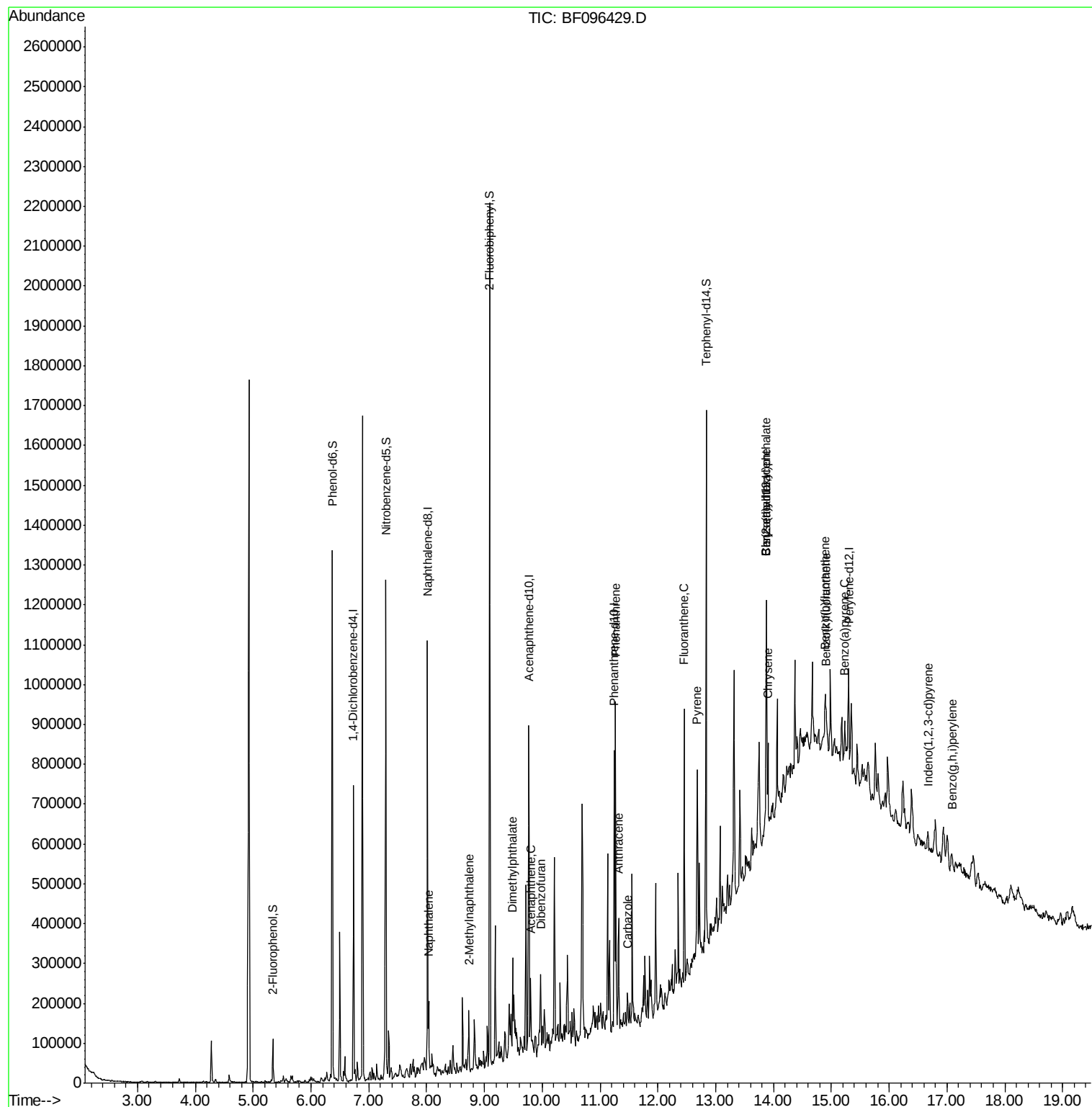
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070217\
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#1

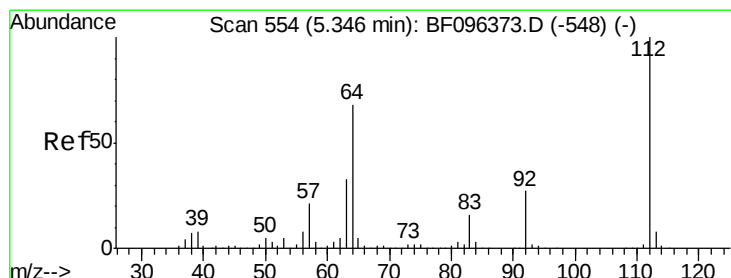
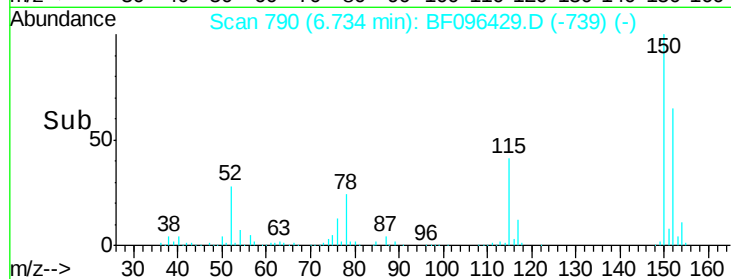
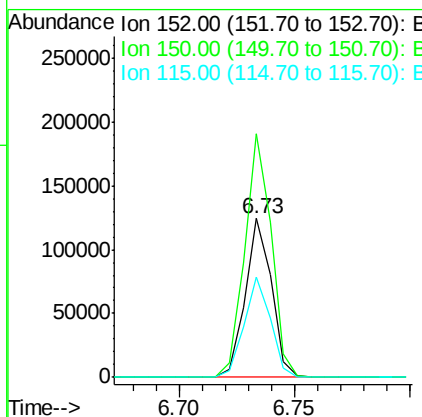
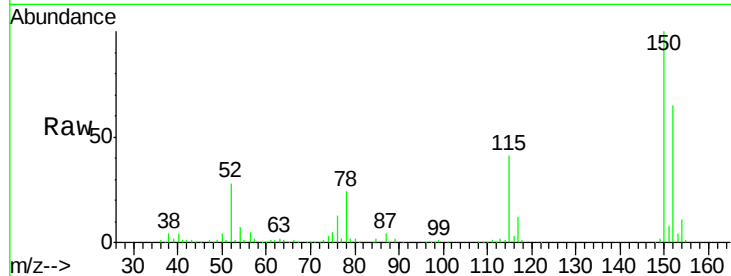
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	62.8	52.2	78.2

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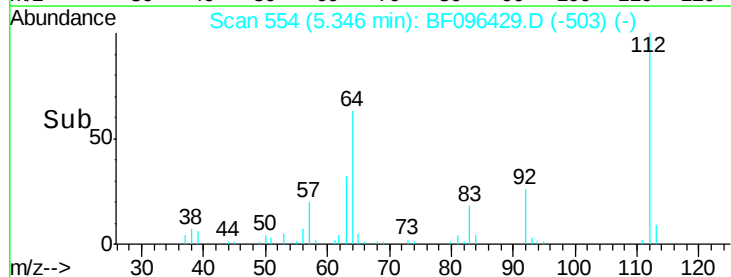
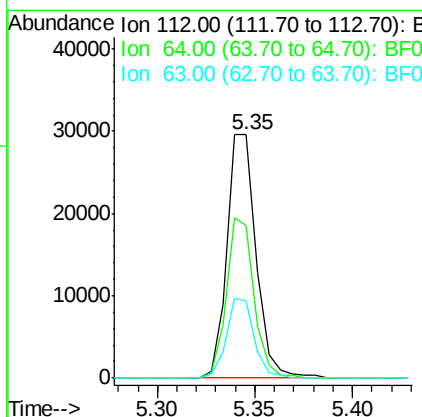
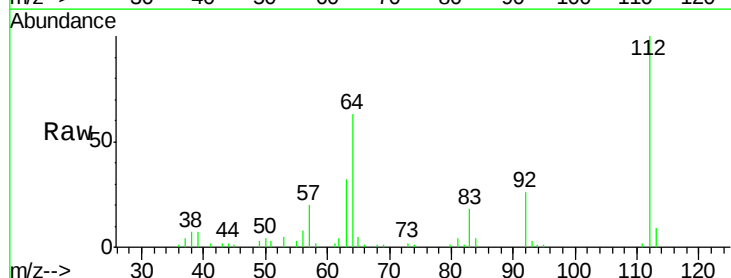
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#5

2-Fluorophenol
Concen: 4.559 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	46.0	69.0
63	31.6	23.4	35.0





#7

Phenol-d6

Concen: 52.257 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Instrument :

BNA_F

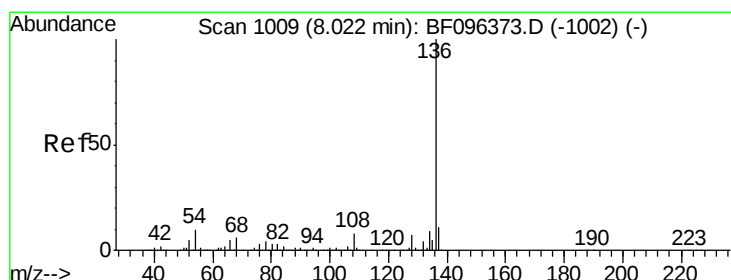
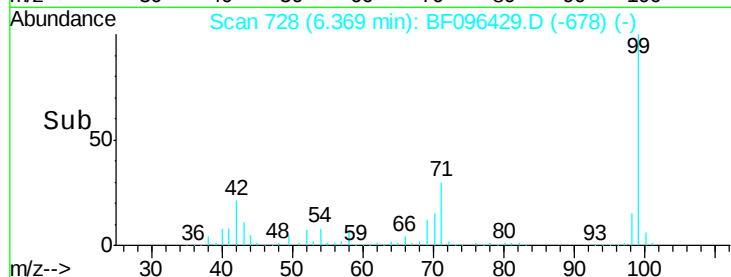
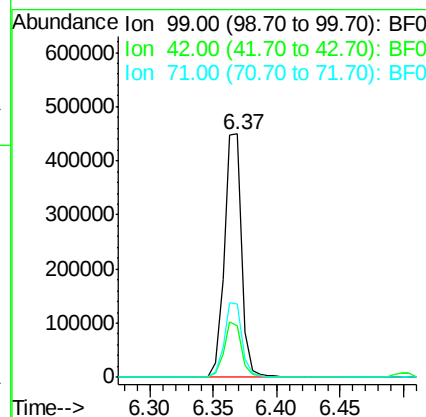
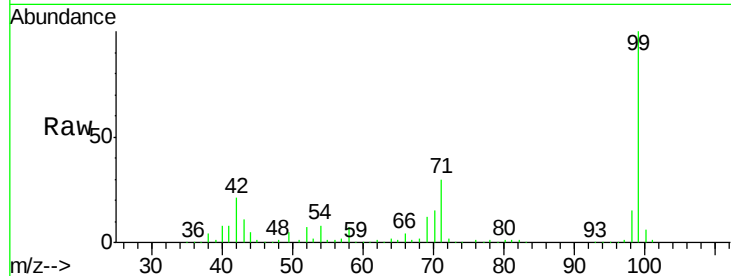
ClientSampleId :

G29-1.5-3RE

Tgt Ion:	99	Resp:	430828
Ion Ratio	Lower	Upper	
99	100		
42	21.5	13.5	20.3#
71	30.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

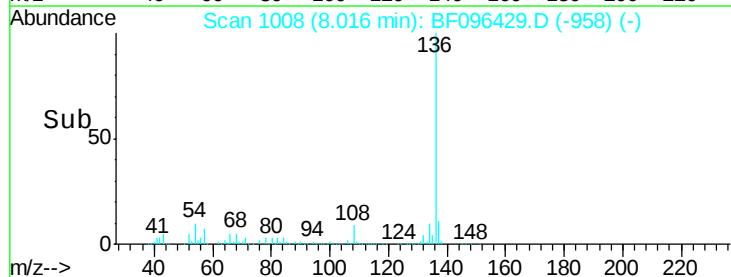
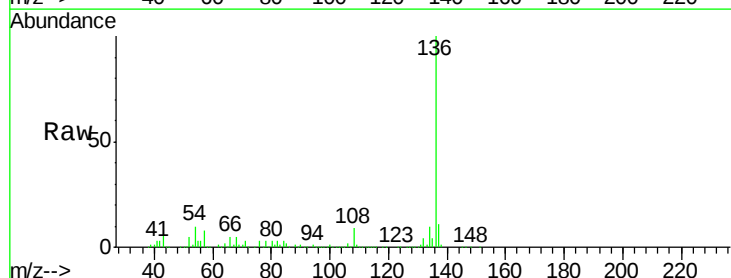
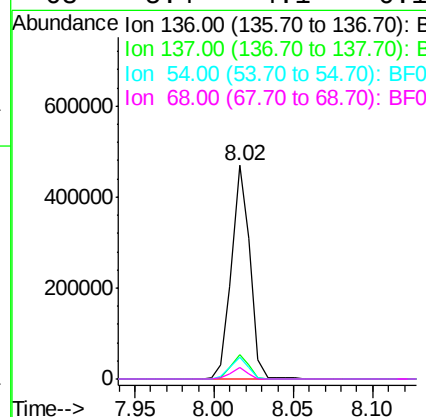
RT: 8.02 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Tgt Ion:	136	Resp:	378418
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.5	12.7
54	10.2	4.9	7.3#
68	5.4	4.1	6.1





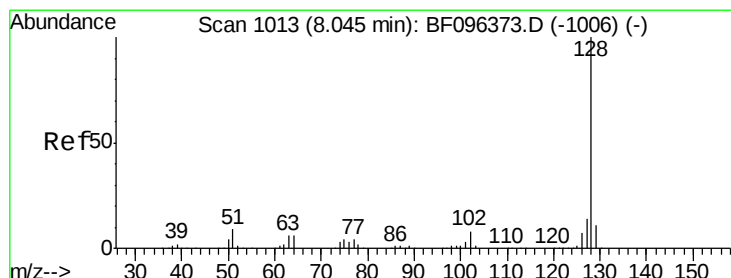
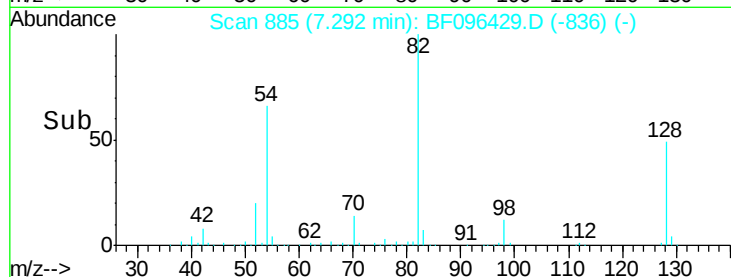
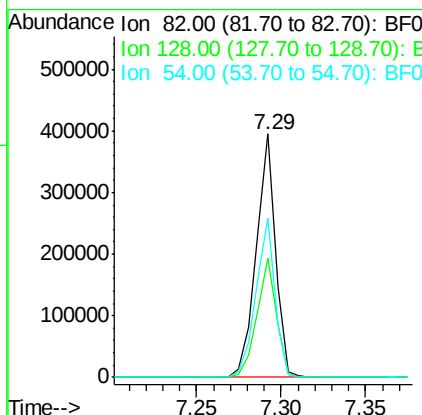
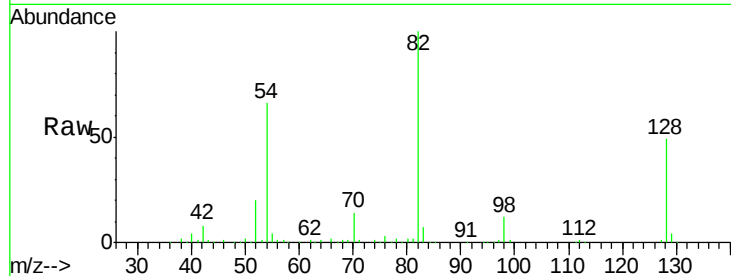
#23
Nitrobenzene-d5
Concen: 50.763 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	319677		
128	49.1	34.0	51.0	
54	65.6	42.2	63.2	

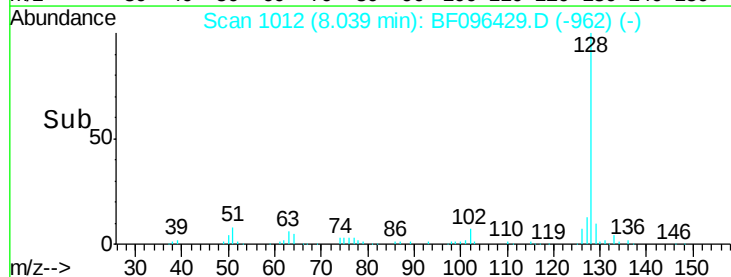
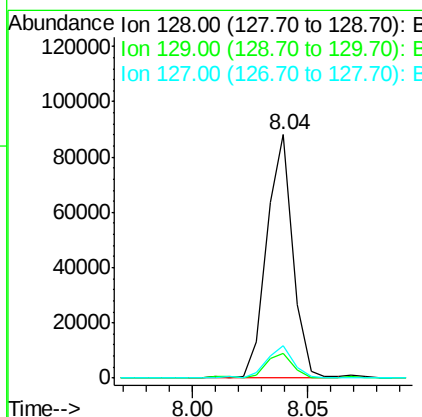
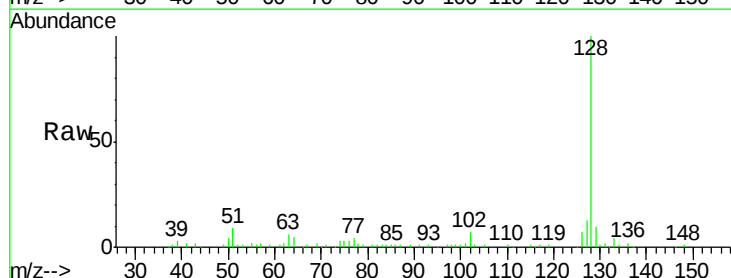
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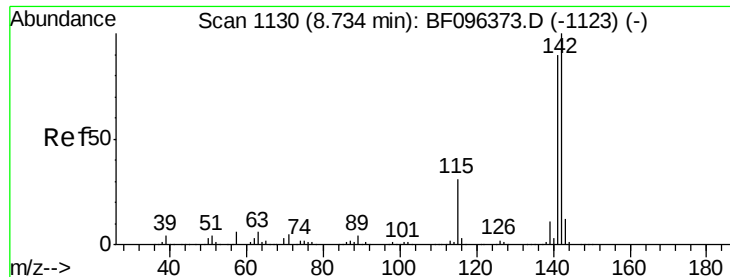
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#31
Naphthalene
Concen: 3.894 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF096429.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	69557		
129	10.4	9.0	13.6	
127	13.3	10.8	16.2	





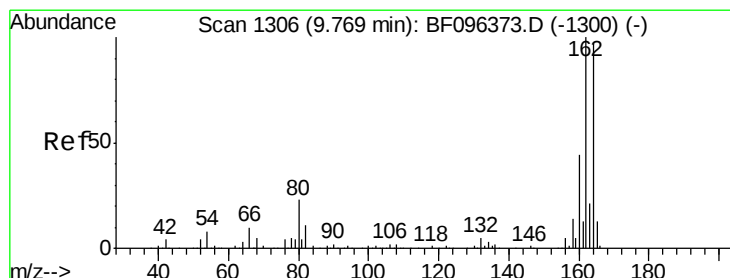
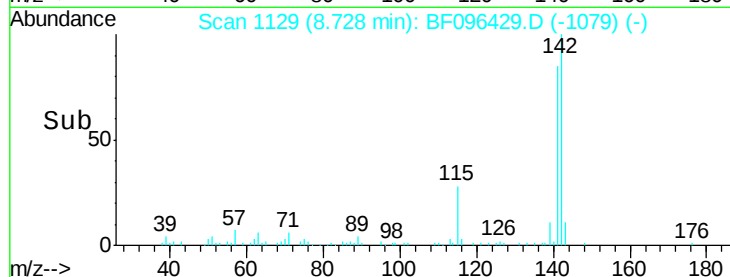
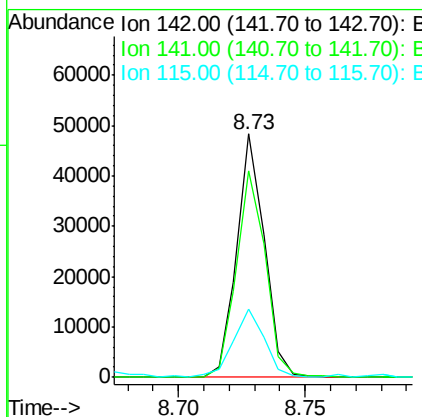
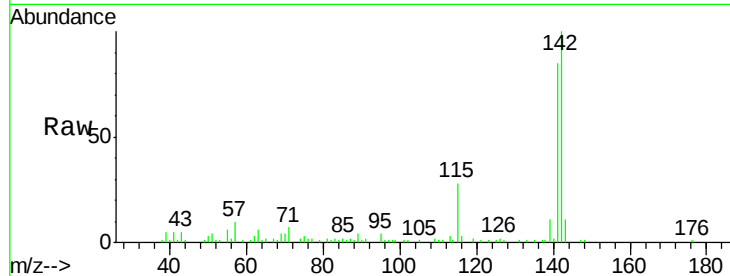
#37
2-Methylnaphthalene
Concen: 3.214 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	36553		
141	84.6	71.3	106.9	
115	28.1	27.1	40.7	

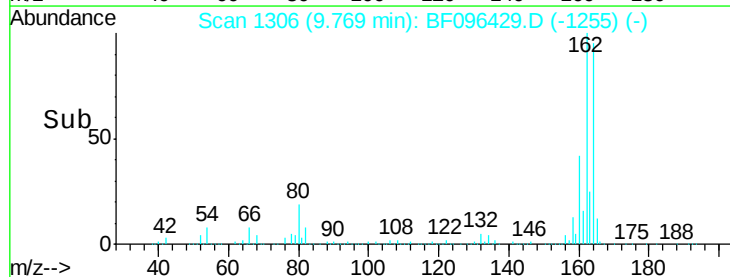
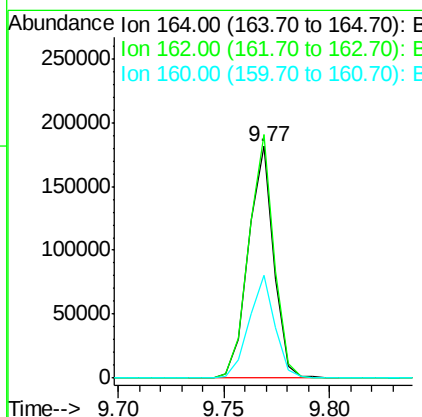
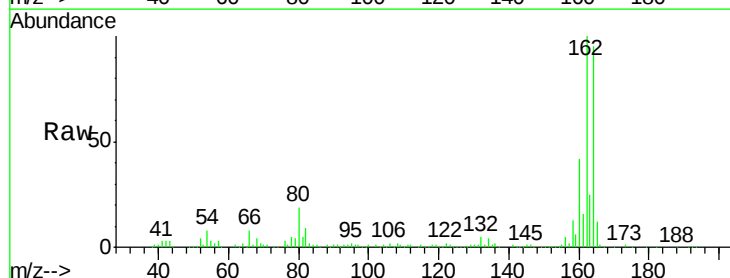
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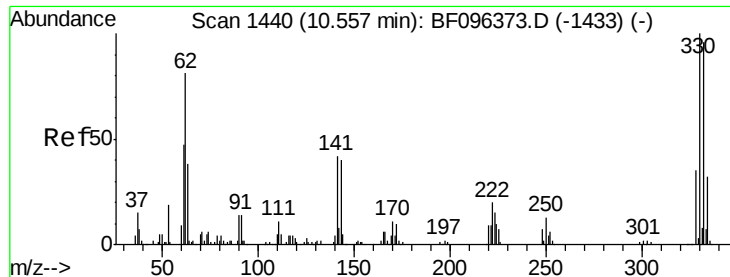
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	151064		
162	105.2	82.6	123.8	
160	44.5	36.2	54.2	





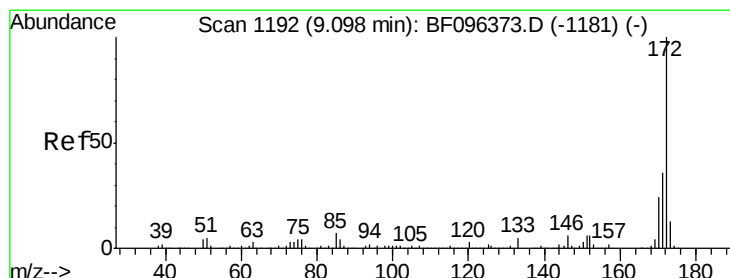
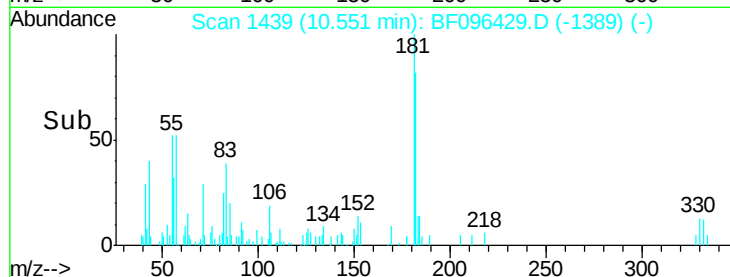
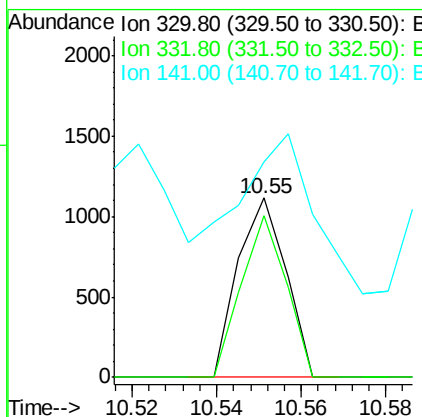
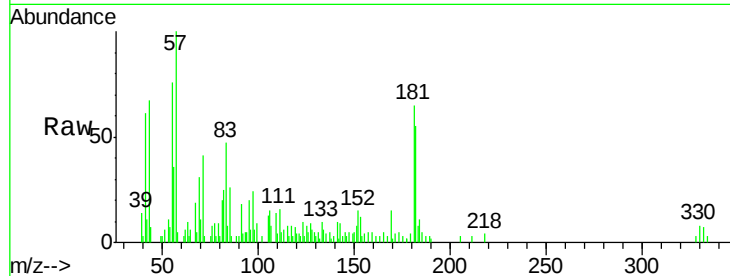
#41
 2,4,6-Tribromophenol
 Concen: 0.744 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096429.D
 Acq: 2 Jul 2017 21:18

Instrument :
 BNA_F
 ClientSampleId :
 G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
330	100		
332	84.4	76.6	115.0
141	142.5	31.4	47.2#

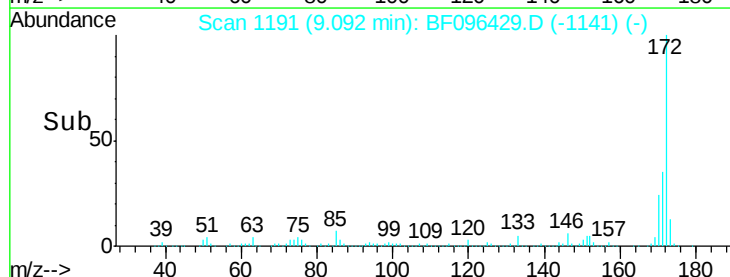
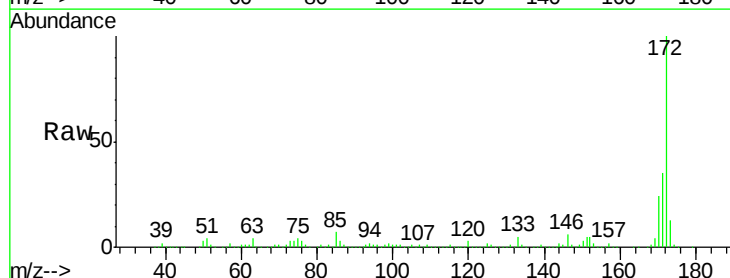
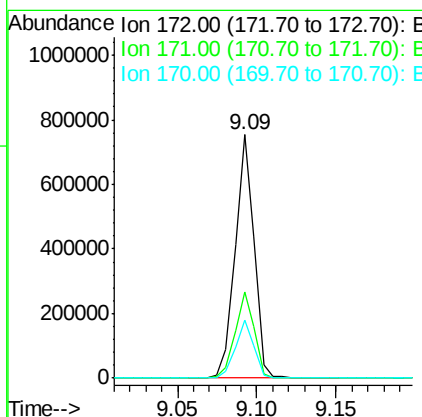
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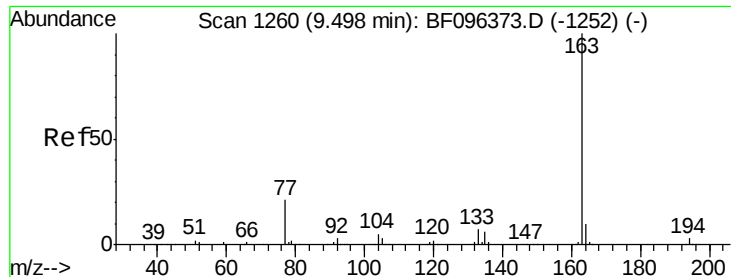
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#44
 2-Fluorobiphenyl
 Concen: 70.480 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096429.D
 Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.6	19.8	29.8





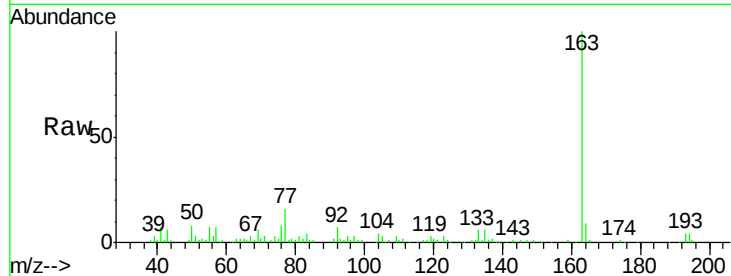
#49
Dimethylphthalate
Concen: 7.555 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

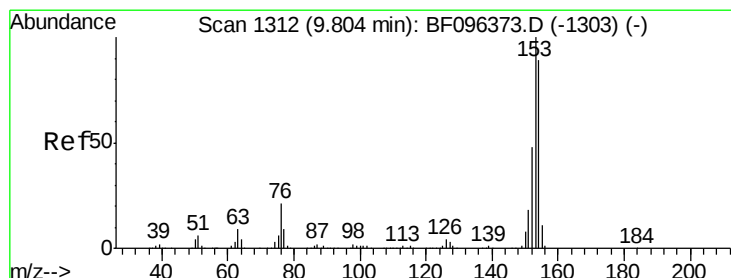
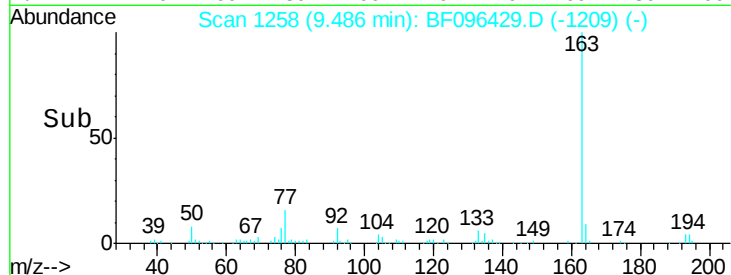
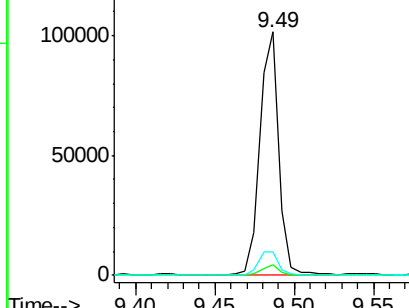
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	85195		
194	4.2		2.6	4.0#
164	9.4		8.4	12.6

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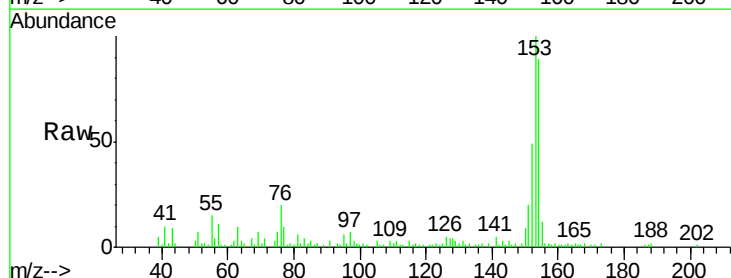


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

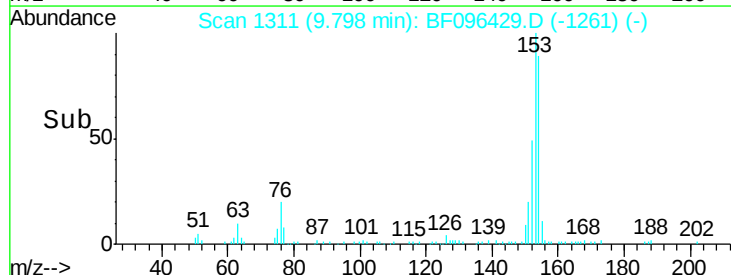
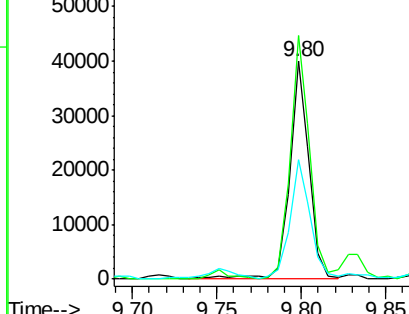


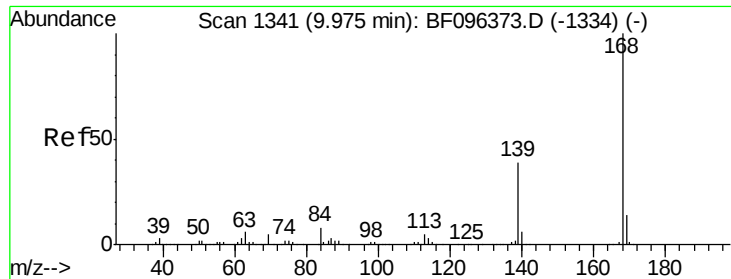
#51
Acenaphthene
Concen: 3.413 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32156		
153	111.9		90.5	135.7
152	55.2		43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 3.126 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF096429.D

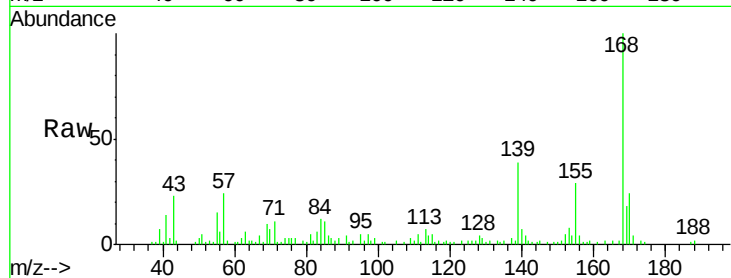
Acq: 2 Jul 2017 21:18

Instrument :

BNA_F

ClientSampleId :

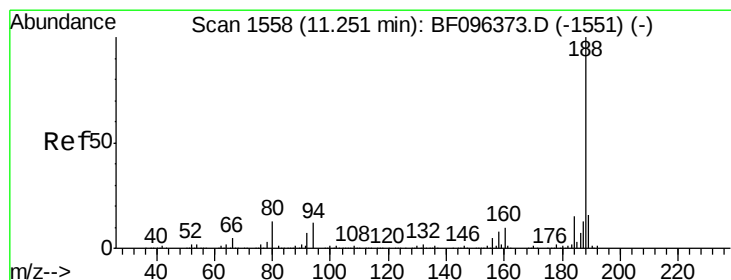
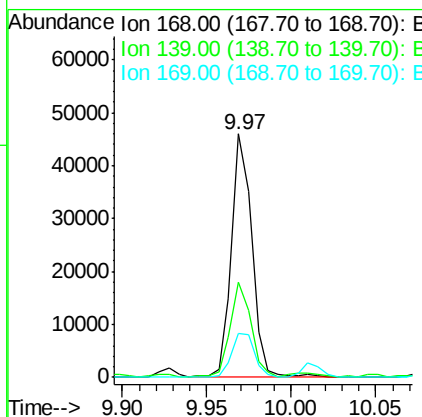
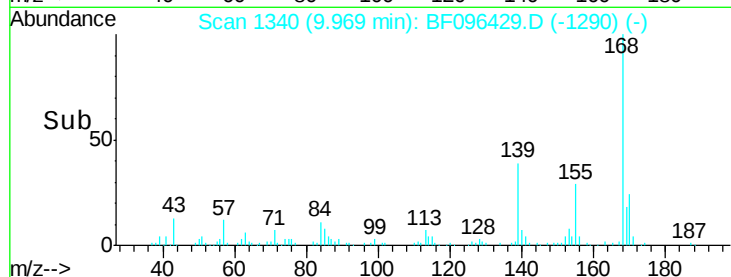
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Tgt Ion:	168	Resp:	38879
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.6	45.8
169	17.9	10.8	16.2#

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

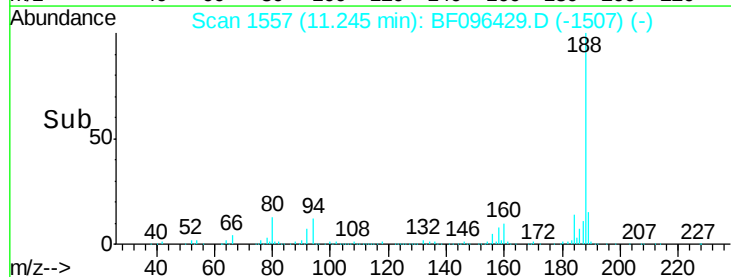
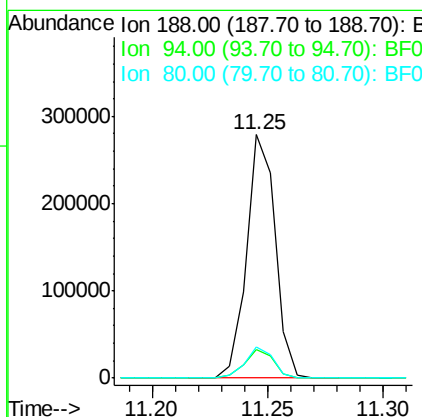
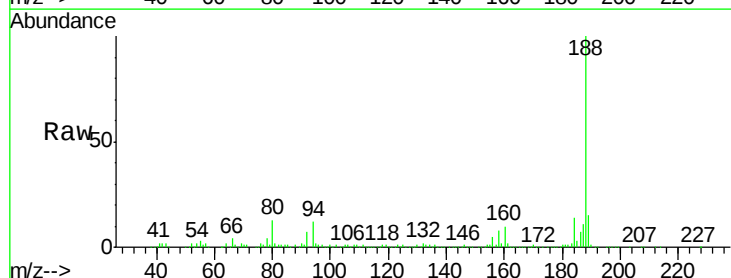
RT: 11.25 min Scan# 1557

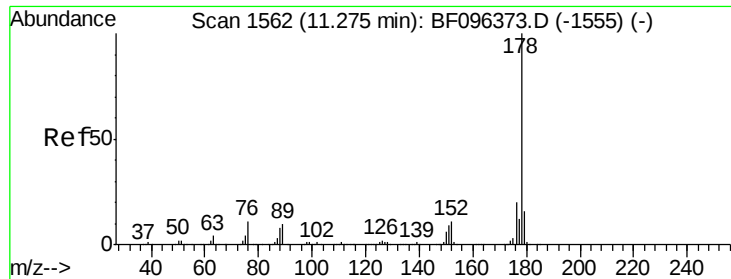
Delta R.T. -0.01 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Tgt Ion:	188	Resp:	242278
Ion Ratio	Lower	Upper	
188	100		
94	11.9	9.4	14.2
80	12.9	10.2	15.2





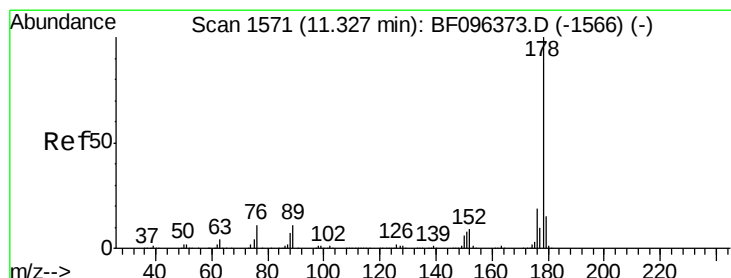
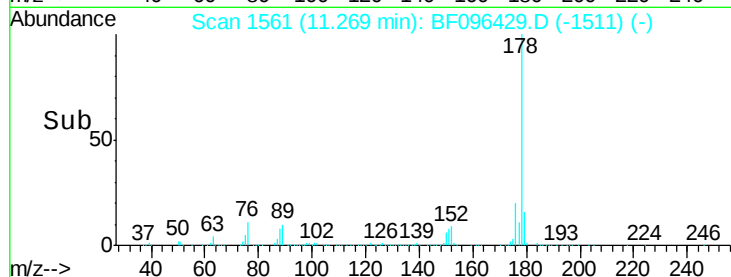
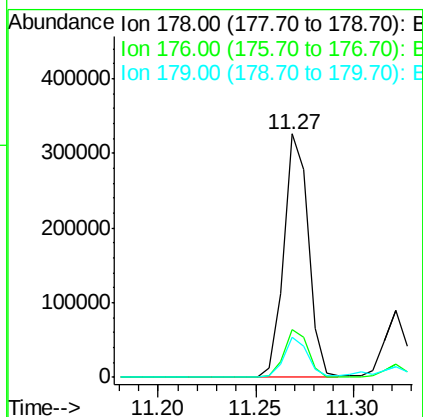
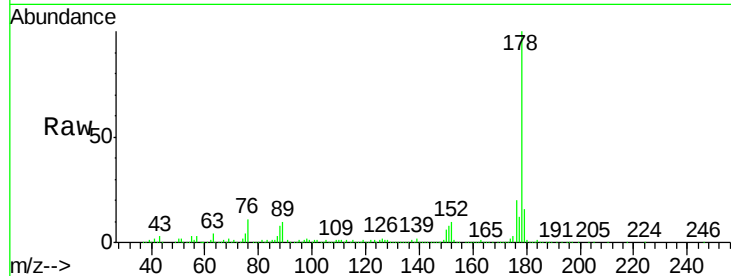
#70
Phenanthrene
Concen: 21.693 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.2	24.4
179	16.2	12.6	19.0

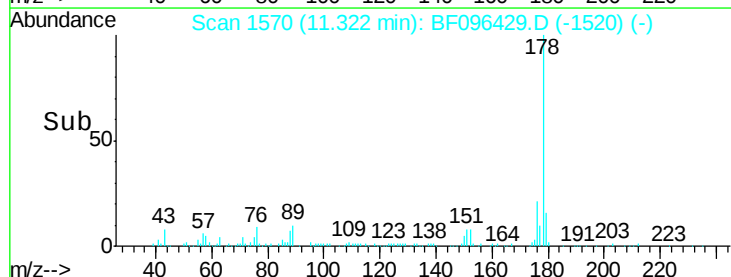
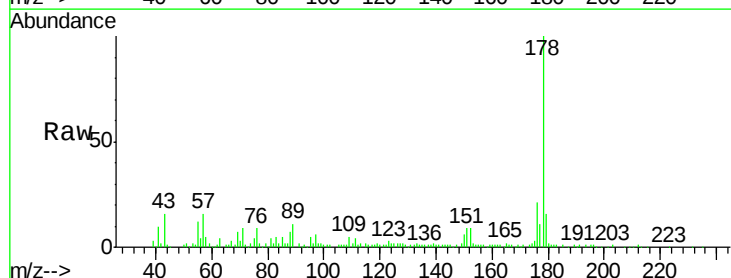
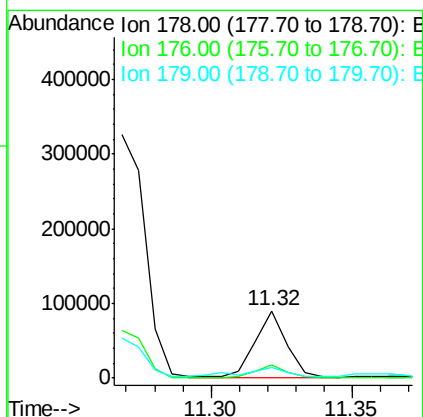
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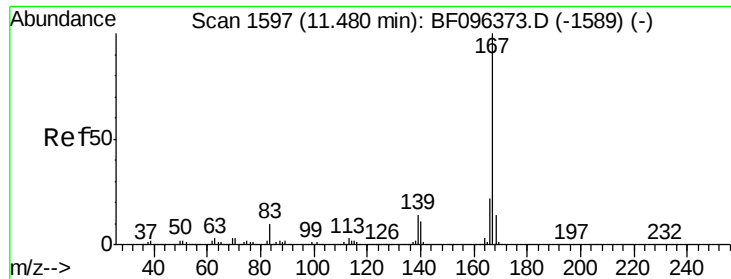
mohammad
7/3/2017 4:07:53 PM



#71
Anthracene
Concen: 5.216 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	16.4	12.7	19.1





#72

Carbazole

Concen: 2.085 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Instrument :

BNA_F

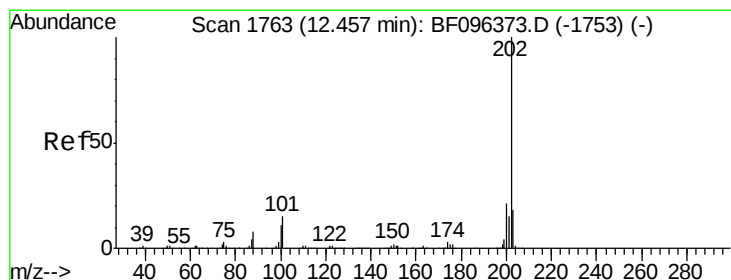
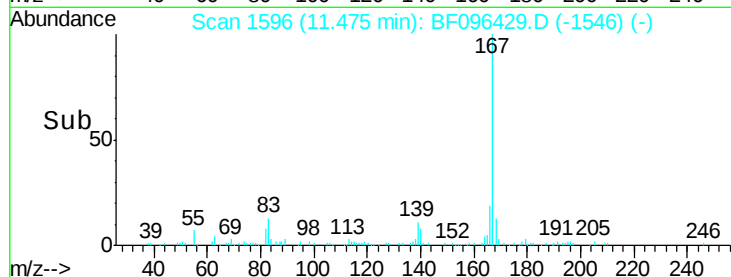
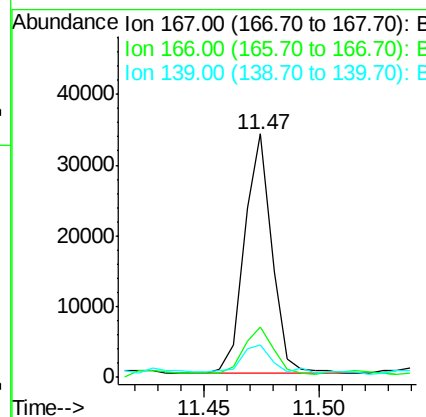
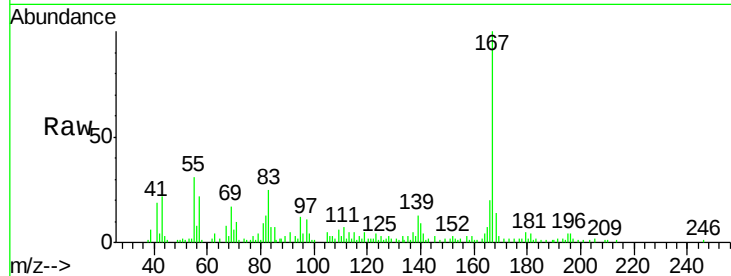
ClientSampleId :

G29-1.5-3RE

Tgt Ion:	167	Resp:	27989
Ion Ratio	Lower	Upper	
167	100		
166	20.5	18.1	27.1
139	13.4	11.7	17.5

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#74

Fluoranthene

Concen: 18.406 ng

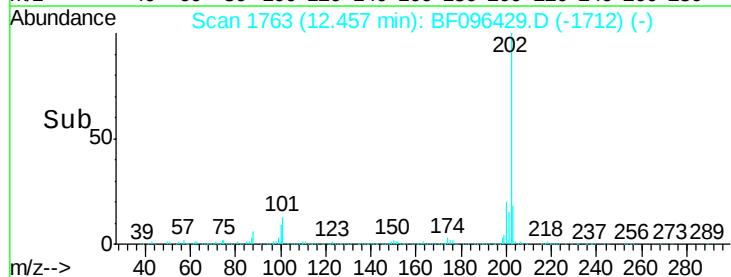
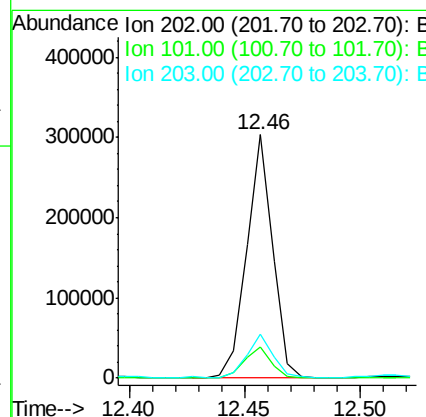
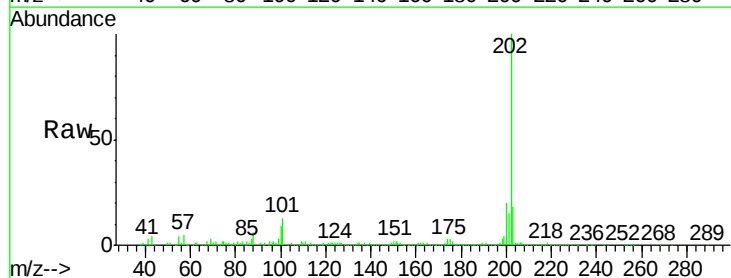
RT: 12.46 min Scan# 1763

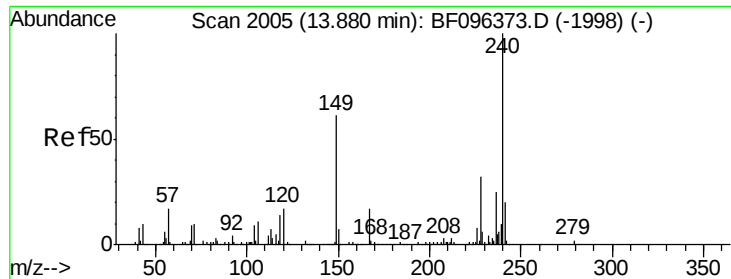
Delta R.T. 0.00 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Tgt Ion:	202	Resp:	236351
Ion Ratio	Lower	Upper	
202	100		
101	12.6	0.0	33.2
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Instrument :

BNA_F

ClientSampleId :

G29-1.5-3RE

Tgt Ion:240 Resp: 147708

Ion Ratio Lower Upper

240 100

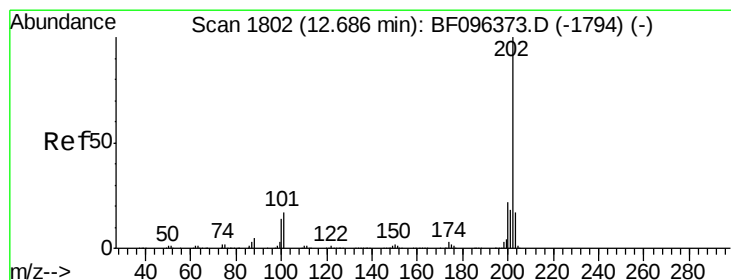
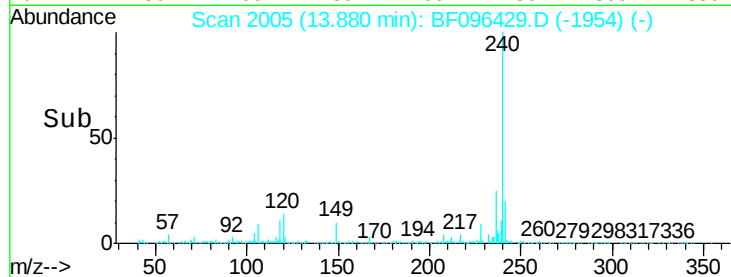
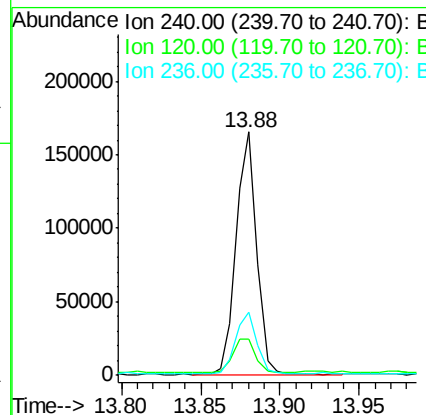
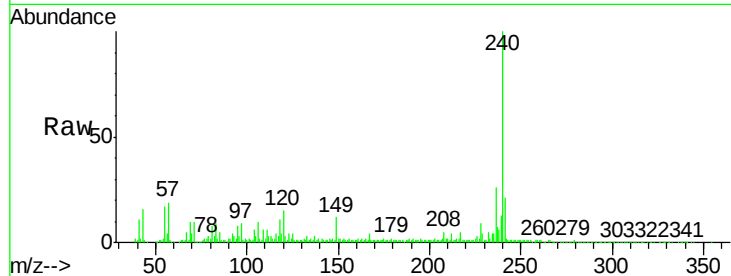
120 15.1 5.8 8.8#

236 26.0 20.5 30.7

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#77

Pyrene

Concen: 18.023 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

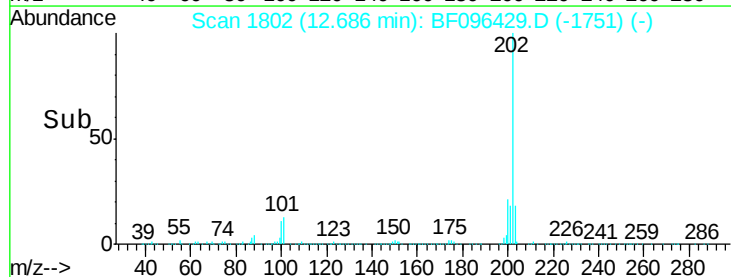
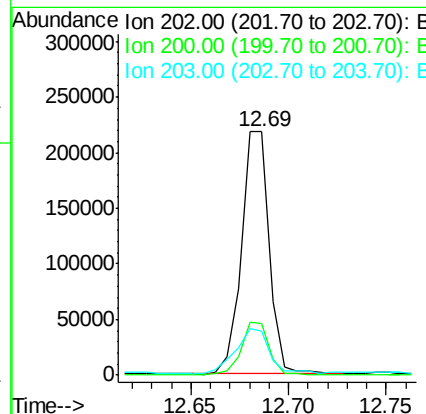
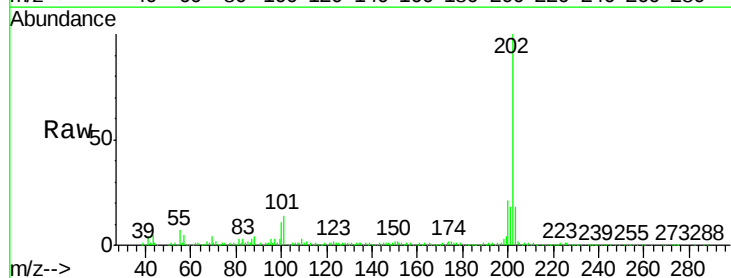
Tgt Ion:202 Resp: 213678

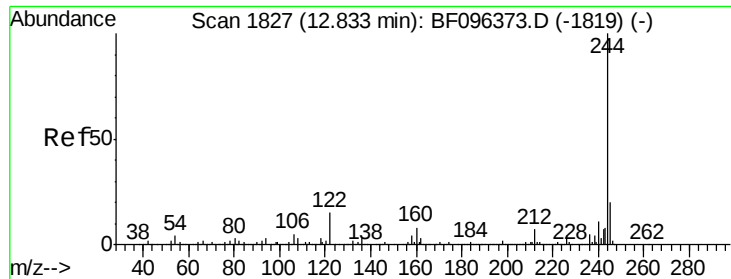
Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 18.1 14.4 21.6





#78

Terphenyl-d14

Concen: 59.154 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Instrument :

BNA_F

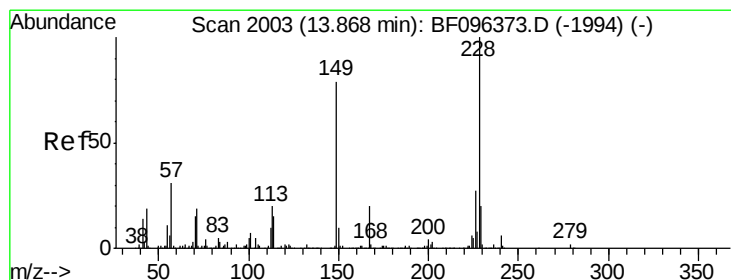
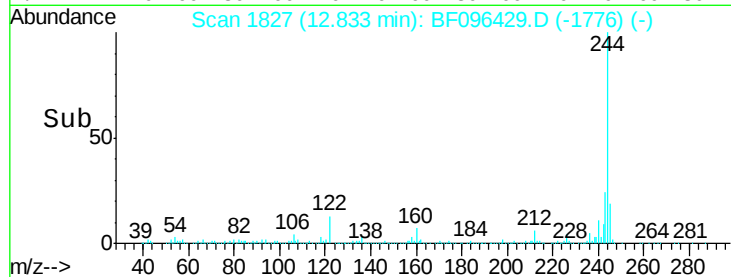
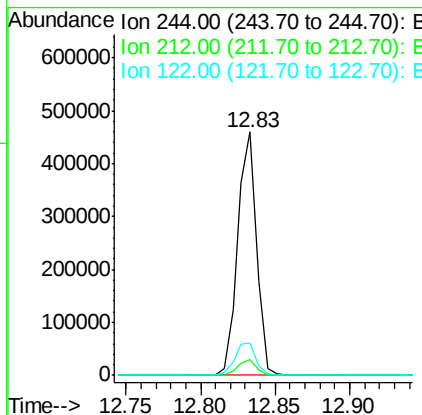
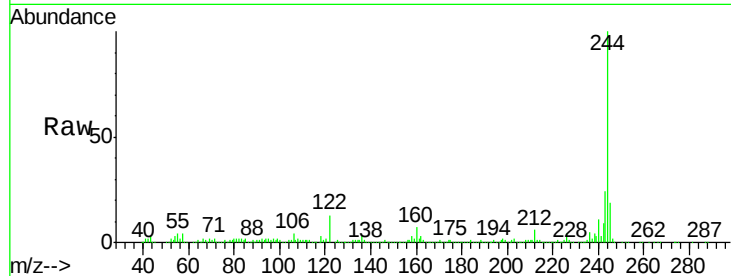
ClientSampleId :

G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	13.2	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 9.464 ng

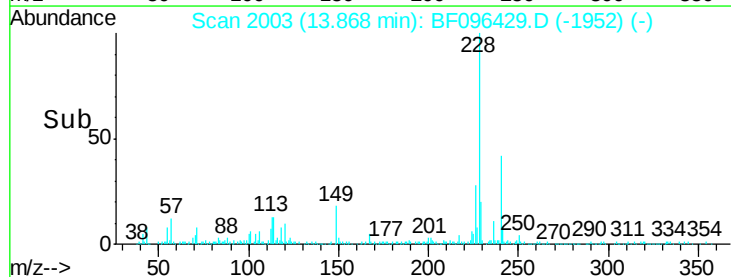
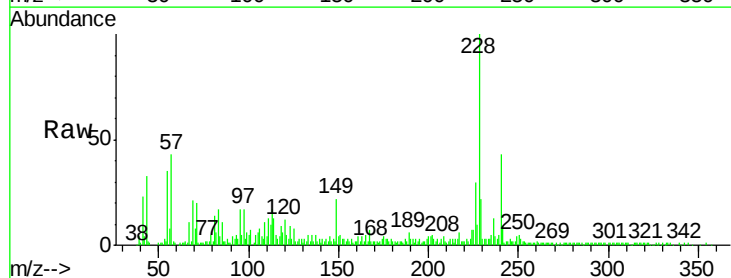
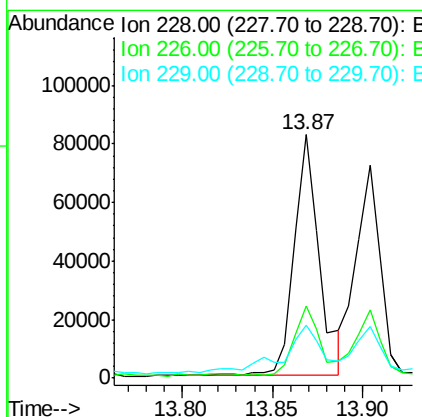
RT: 13.87 min Scan# 2003

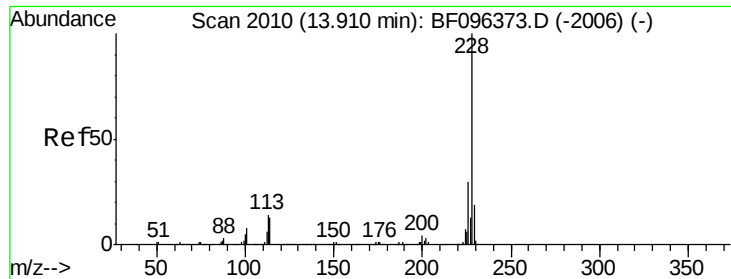
Delta R.T. -0.00 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	21.7	16.3	24.5





#82

Chrysene

Concen: 7.797 ng m

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096429.D

Acq: 2 Jul 2017 21:18

Instrument :

BNA_F

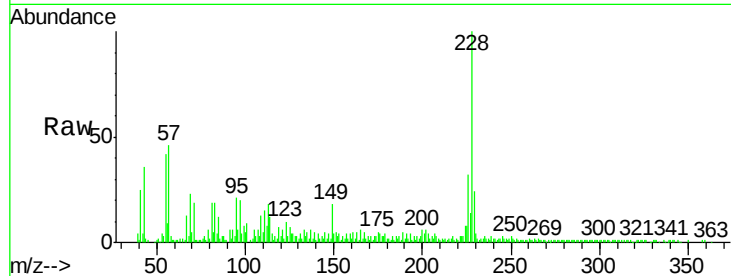
ClientSampleId :

G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	24.5	15.8	23.6

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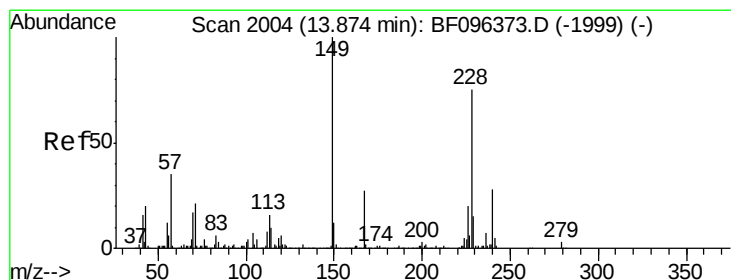
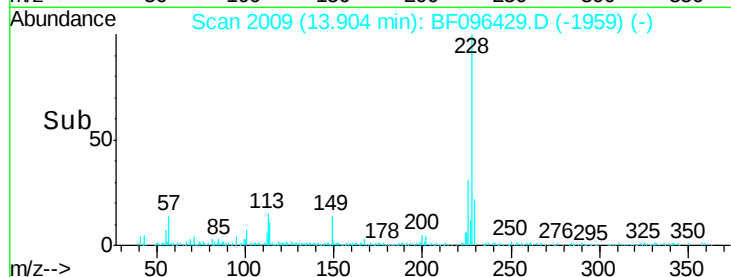
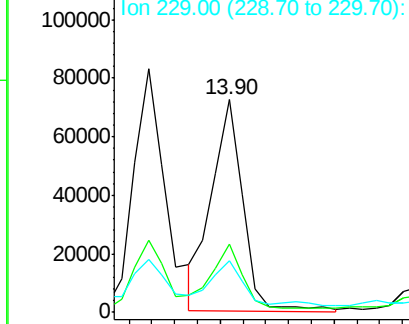
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.639 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF096429.D

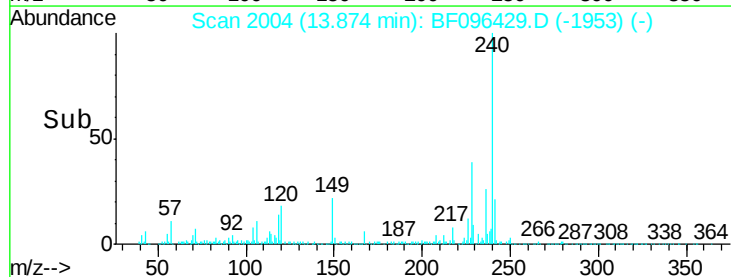
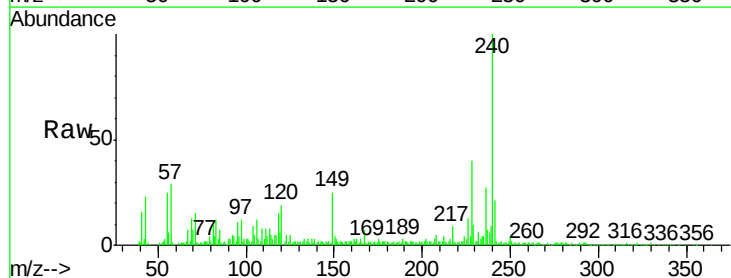
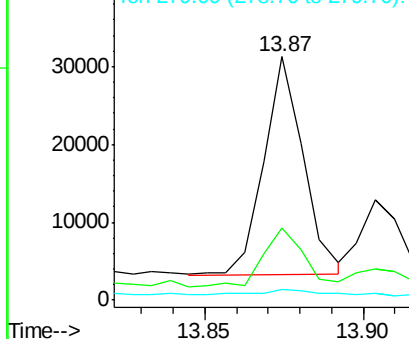
Acq: 2 Jul 2017 21:18

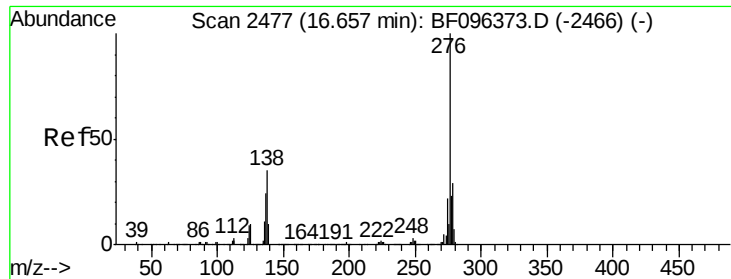
Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	21.0	31.4
279	4.2	1.9	2.9

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





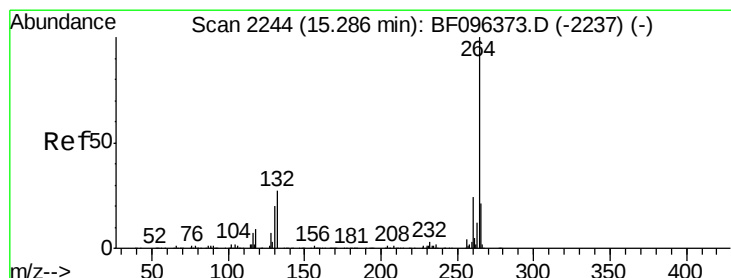
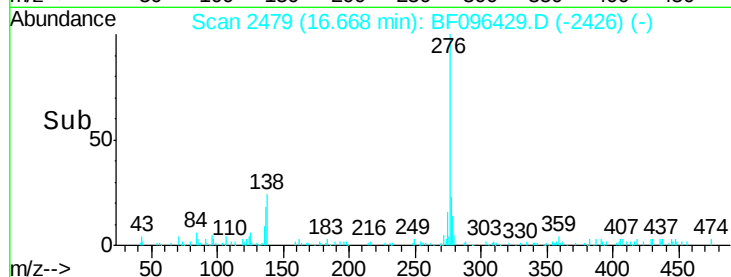
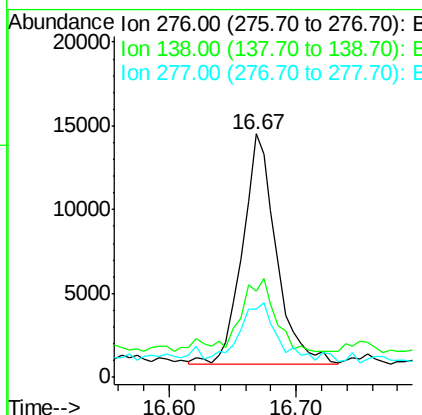
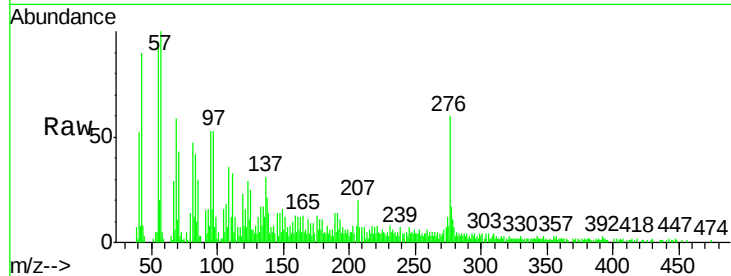
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.607 ng
 RT: 16.67 min Scan# 2479
 Delta R.T. 0.01 min
 Lab File: BF096429.D
 Acq: 2 Jul 2017 21:18

Instrument :
 BNA_F
 ClientSampleId :
 G29-1.5-3RE

Tgt Ion:	276	Resp:	25501
Ion Ratio	Lower	Upper	
276	100		
138	31.2	27.8	41.6
277	25.4	20.2	30.4

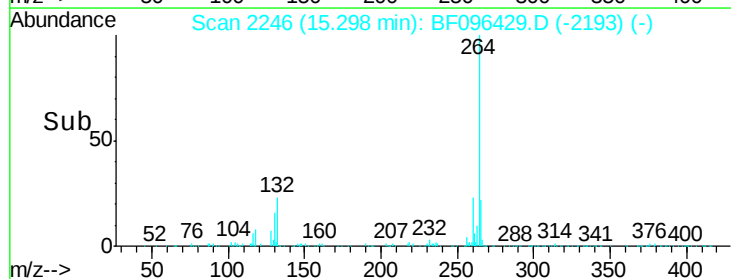
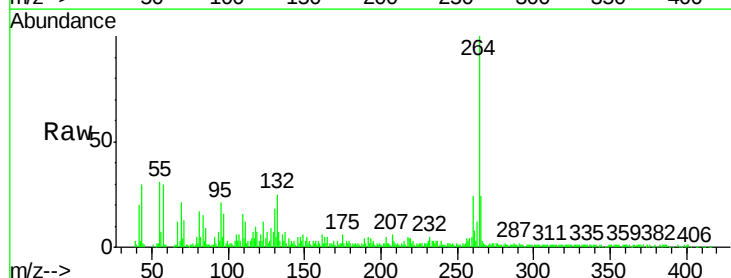
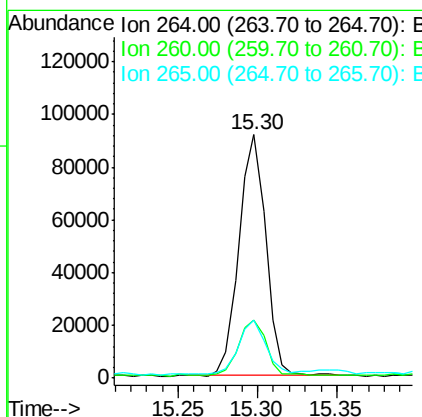
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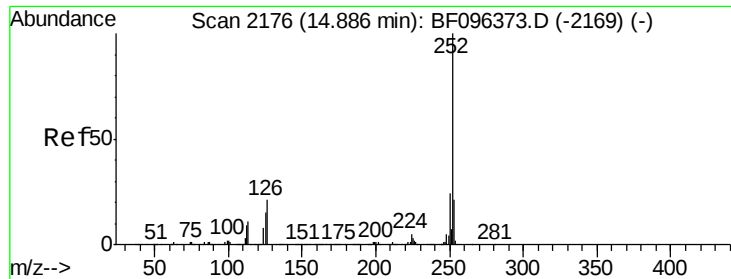
mohammad
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF096429.D
 Acq: 2 Jul 2017 21:18

Tgt Ion:	264	Resp:	107570
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.5	29.3
265	23.6	17.2	25.8





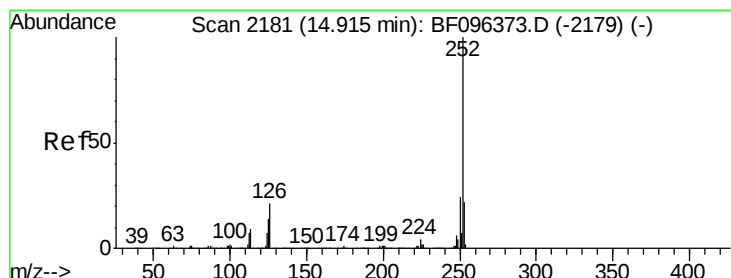
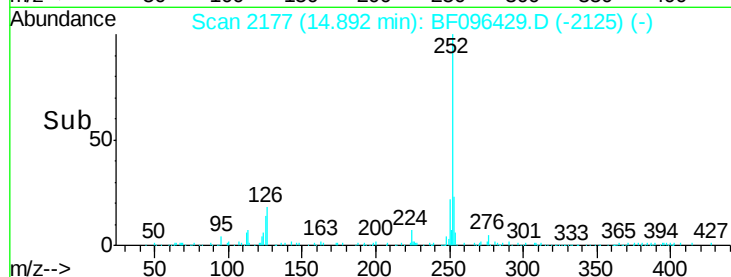
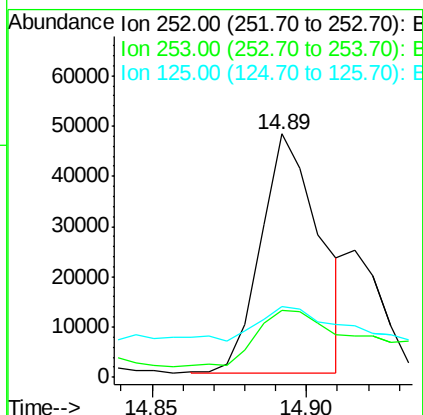
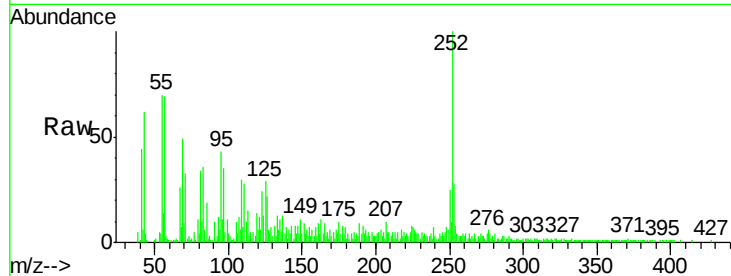
#87
Benzo(b)fluoranthene
Concen: 9.484 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.1	27.1#
125	29.0	9.8	14.8#

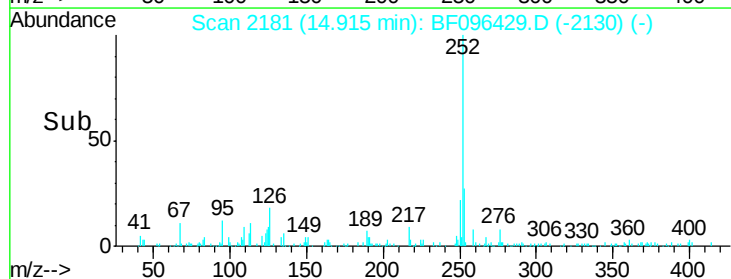
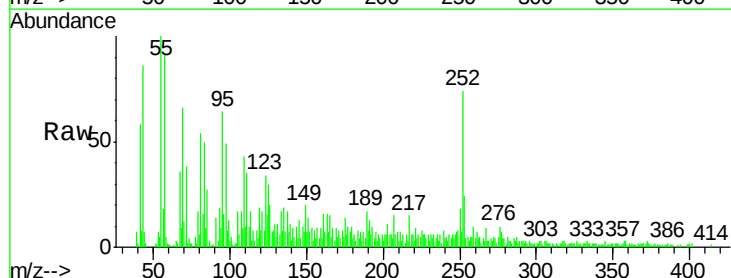
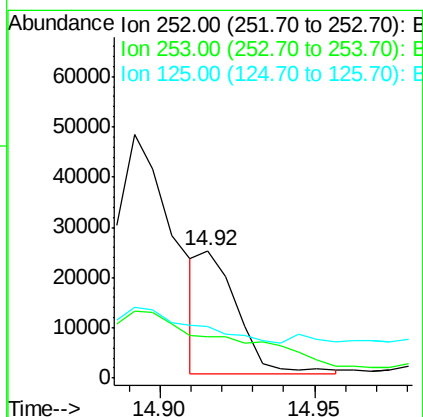
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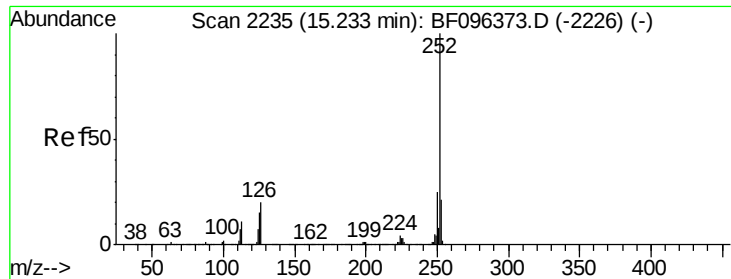
mohammad
7/3/2017 4:07:53 PM



#88
Benzo(k)fluoranthene
Concen: 3.459 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.7	18.4	27.6#
125	40.8	13.1	19.7#





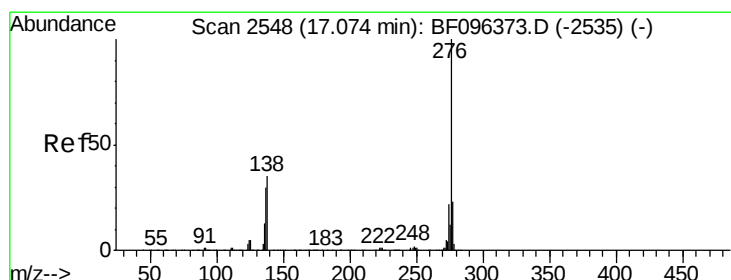
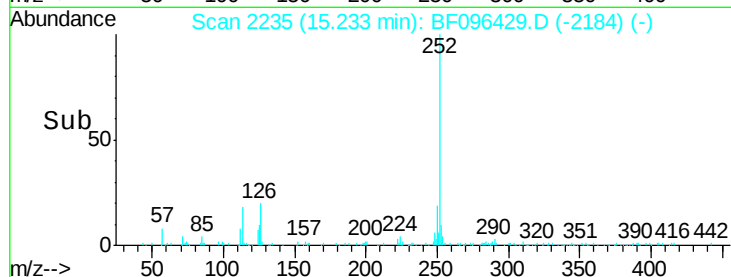
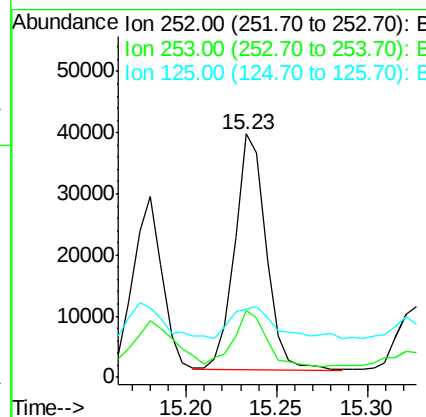
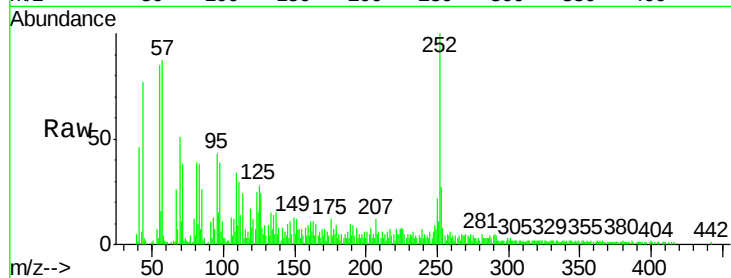
#89
Benzo(a)pyrene
Concen: 7.714 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Instrument :
BNA_F
ClientSampleId :
G29-1.5-3RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.5	26.3#
125	27.9	11.0	16.4#

Manual Integrations
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7/3/2017 4:07:53 PM



#91
Benzo(g,h,i)perylene
Concen: 5.066 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.01 min
Lab File: BF096429.D
Acq: 2 Jul 2017 21:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.7	18.6	28.0#
138	36.1	25.4	38.0

