

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111116\
 Data File : BF091156.D
 Acq On : 11 Nov 2016 22:35
 Operator : UM/SJ
 Sample : H5628-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-COMP

Manual Integrations
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Quant Time: Nov 12 00:48:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	150085	20.00	ng	-0.01
21) Naphthalene-d8	7.93	136	659737	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	317757	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	493127	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	367263	20.00	ng	-0.03
86) Perylene-d12	15.15	264	274193	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1083480	119.23	ng	-0.01
7) Phenol-d6	6.30	99	1483241	120.25	ng	-0.01
23) Nitrobenzene-d5	7.21	82	879751	72.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.46	330	308920	107.54	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1413157	76.57	ng	-0.02
78) Terphenyl-d14	12.74	244	1189813	80.84	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	69278	5.07	ng	Qvalue # 60
49) Dimethylphthalate	9.41	163	95981	4.61	ng	98
70) Phenanthrene	11.18	178	76133	2.90	ng	97
74) Fluoranthene	12.36	202	179794	6.61	ng	93
77) Pyrene	12.59	202	178839	7.44	ng	96
80) Benzo(a)anthracene	13.78	228	78813m	3.78	ng	
82) Chrysene	13.81	228	63517m	3.09	ng	
87) Benzo(b)fluoranthene	14.79	252	61201m	3.29	ng	
89) Benzo(a)pyrene	15.11	252	46159	2.85	ng	# 97
91) Benzo(g,h,i)perylene	16.81	276	29791	2.35	ng	97

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

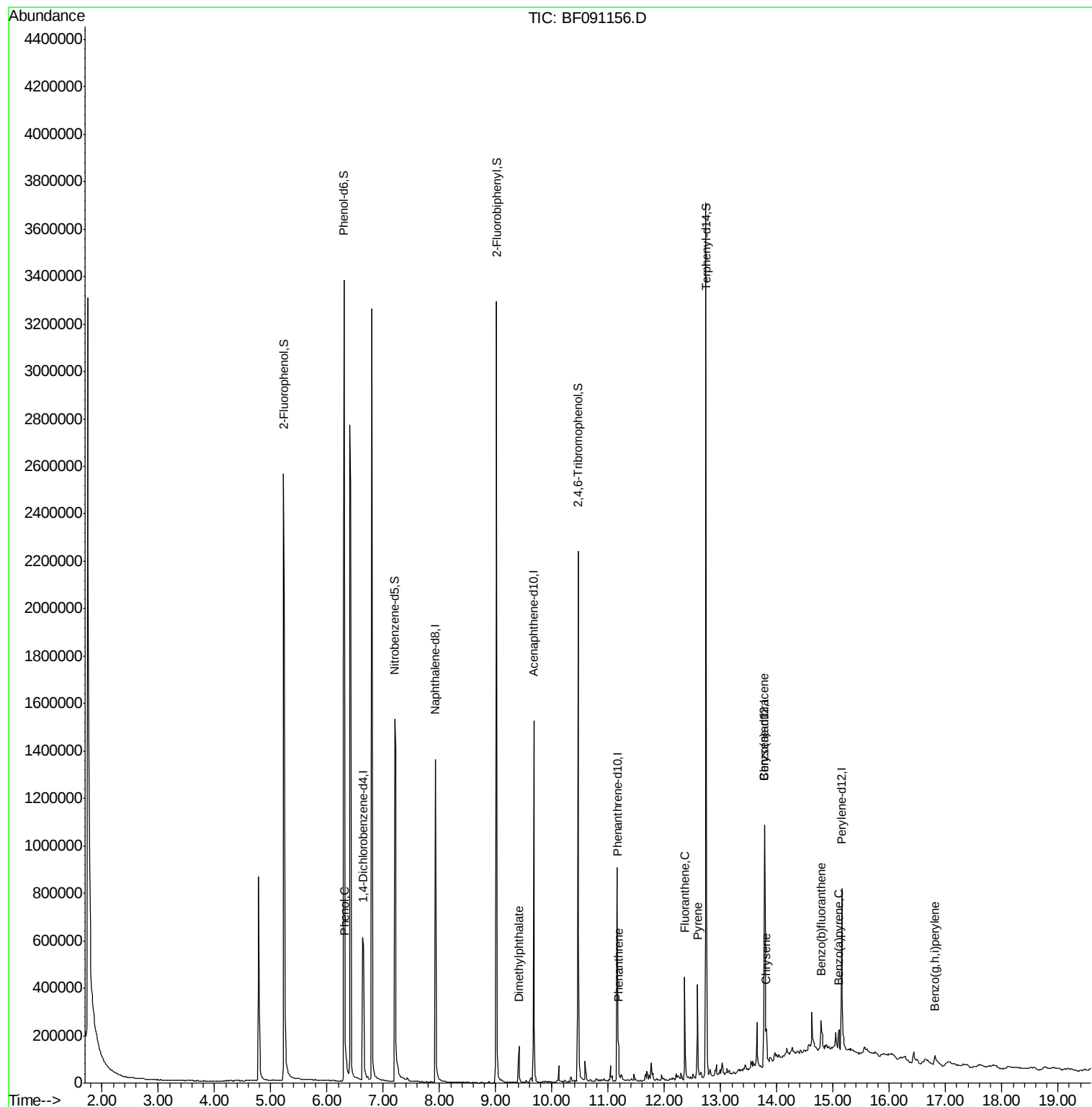
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111116\
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#1

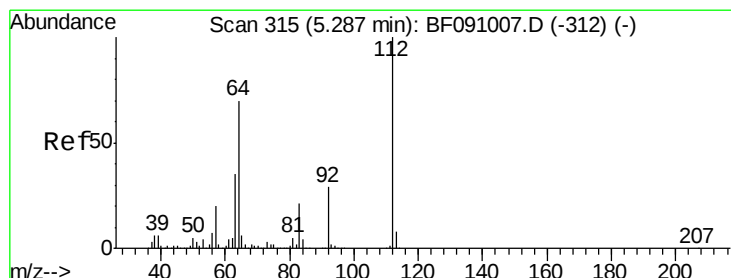
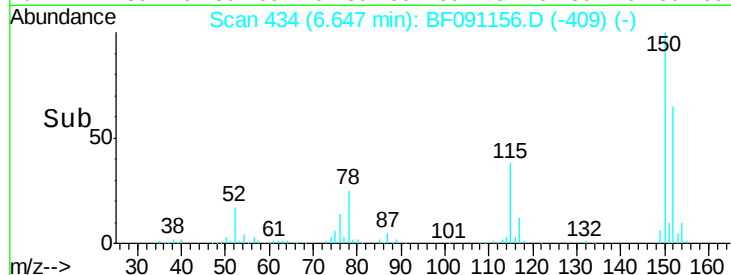
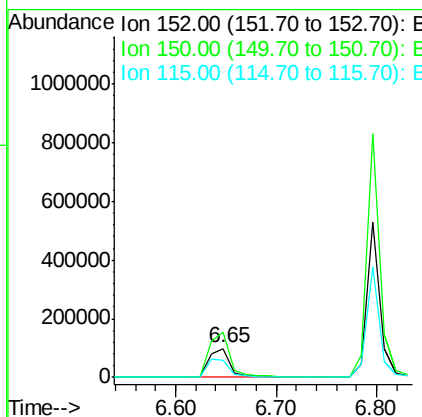
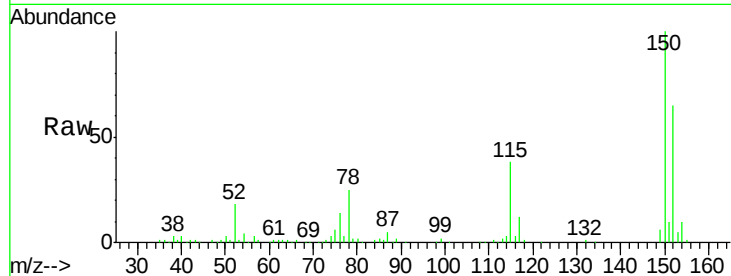
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 434
Delta R.T. -0.01 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.8	190.2
115	57.6	53.3	79.9

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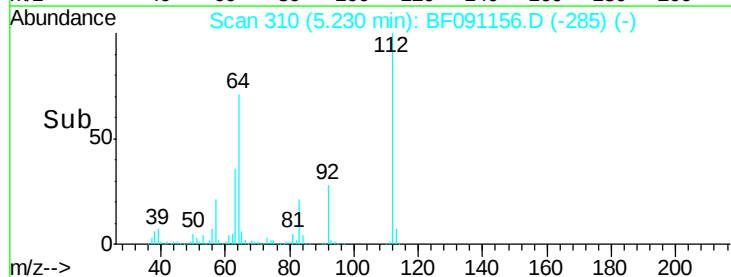
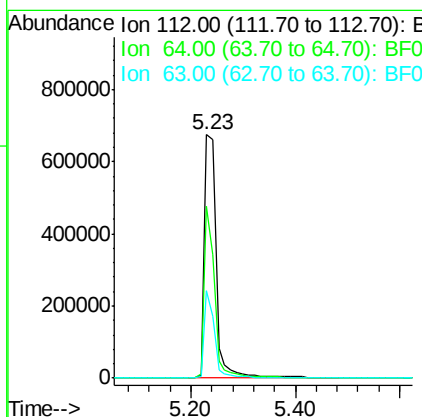
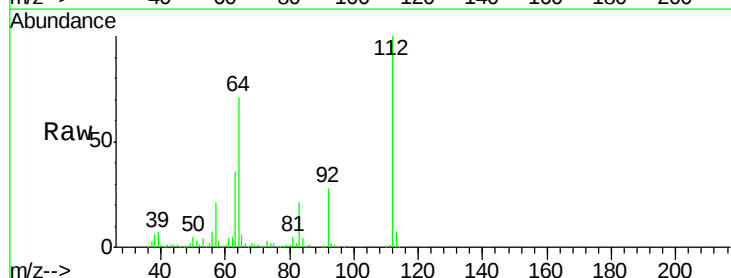
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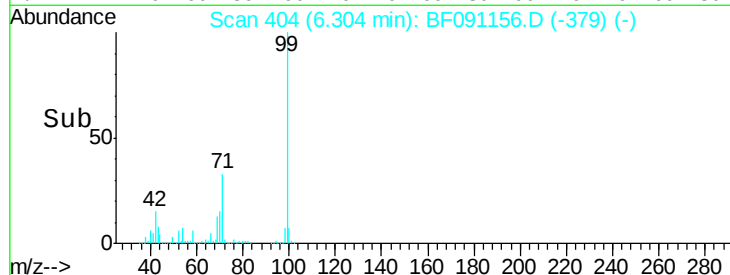
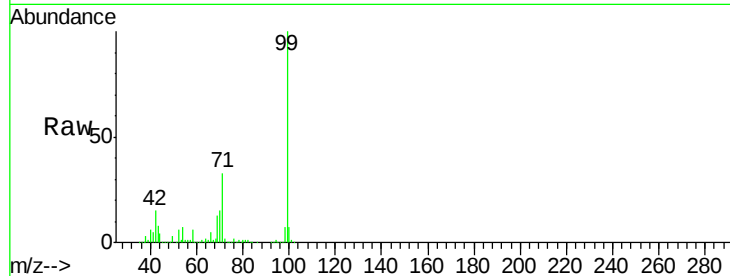


#5

2-Fluorophenol
Concen: 119.23 ng
RT: 5.23 min Scan# 310
Delta R.T. -0.01 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	55.8	83.6
63	35.7	28.0	42.0





#7

Phenol-d6

Concen: 120.25 ng

RT: 6.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Tot Ion: 99 Resp: 1483241

Ion Ratio Lower Upper

99 100

42 15.5 13.9 20.9

71 33.1 27.8 41.8

Instrument :

BNA_F

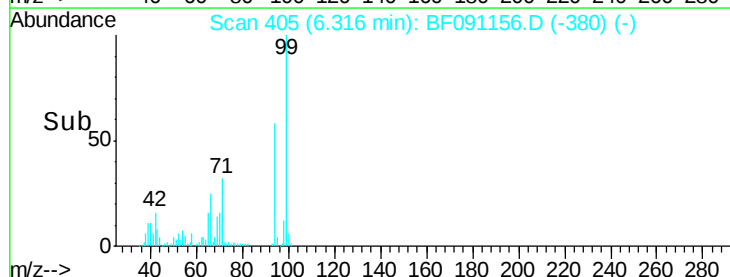
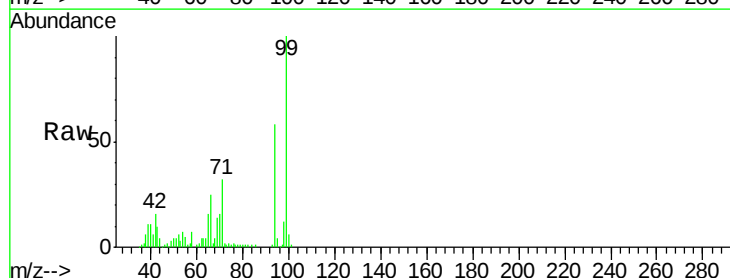
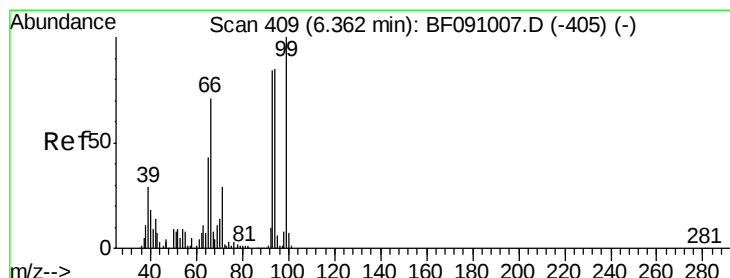
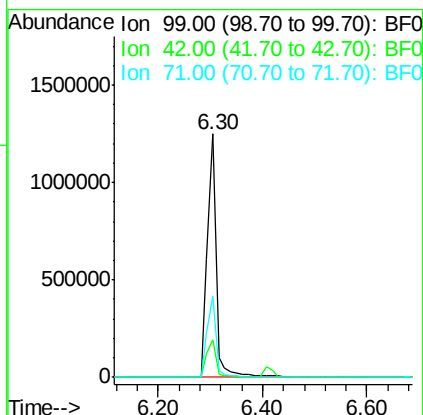
ClientSampleId :

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#10

Phenol

Concen: 5.07 ng

RT: 6.32 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

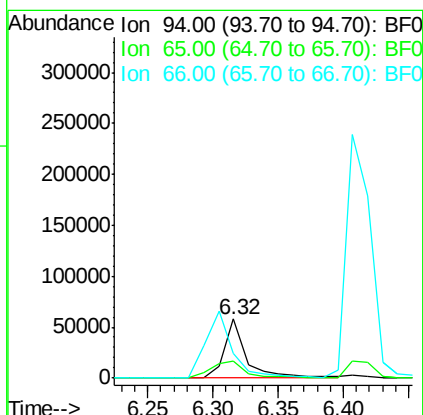
Tgt Ion: 94 Resp: 69278

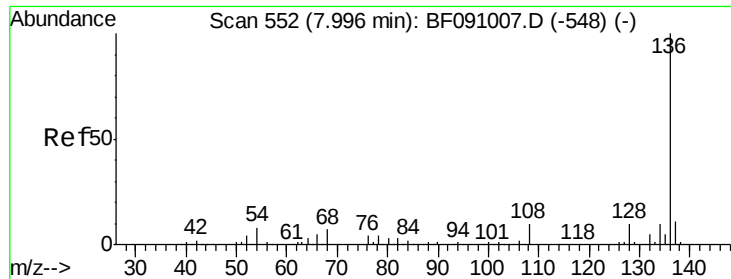
Ion Ratio Lower Upper

94 100

65 28.4 30.4 70.4#

66 42.4 62.9 102.9#





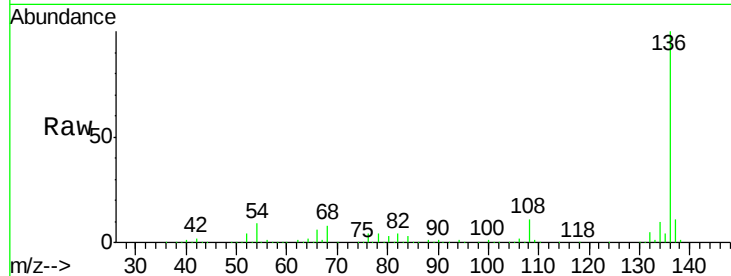
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 546
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

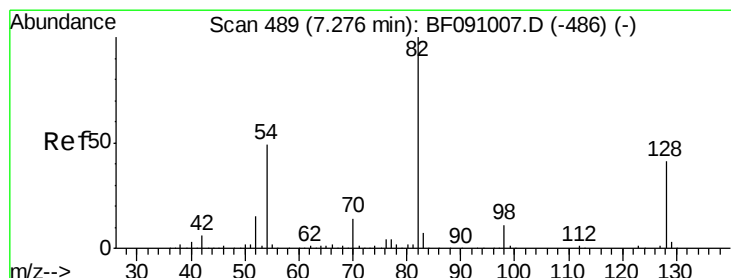
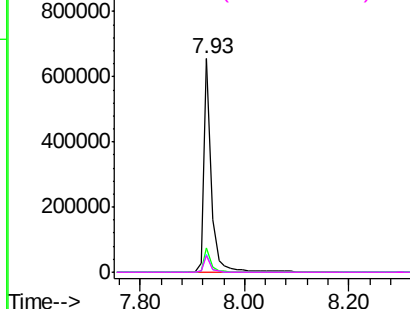
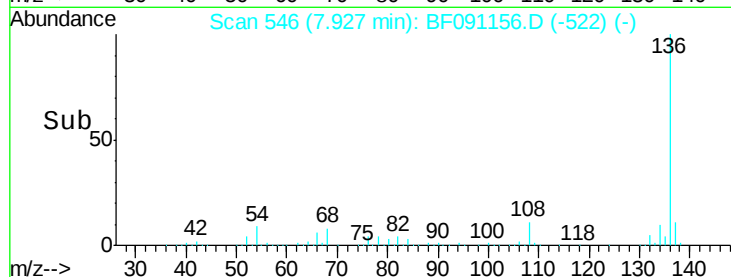
Tot Ion	Ratio	Resp	Lower	Upper
136	100	659737		
137	11.4		8.9	13.3
54	8.6		6.2	9.2
68	7.5		5.5	8.3

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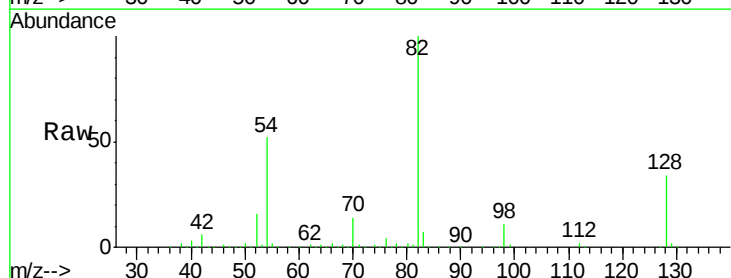


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

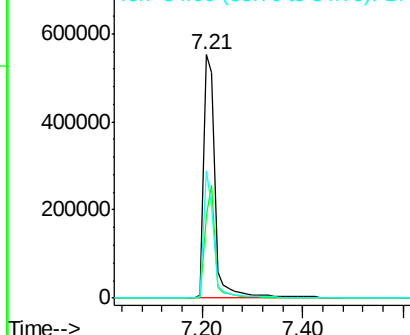
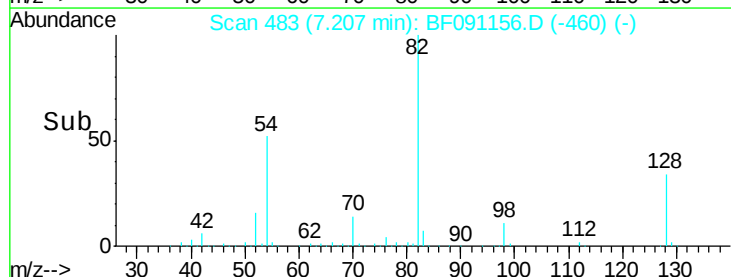


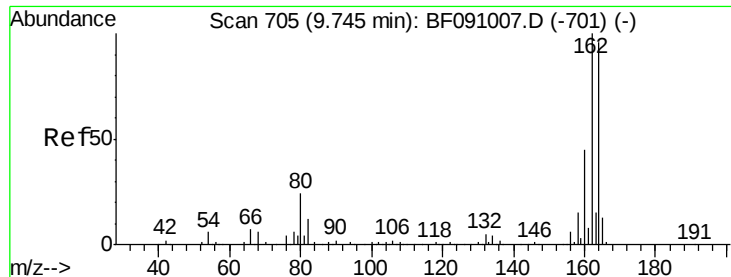
#23
Nitrobenzene-d5
Concen: 72.74 ng
RT: 7.21 min Scan# 483
Delta R.T. -0.03 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	879751		
128	33.9		32.4	48.6
54	52.3		39.2	58.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 699

Delta R.T. -0.02 min

Lab File: BF091156.D

Acq: 11 Nov 2016 22:35

Instrument :

BNA_F

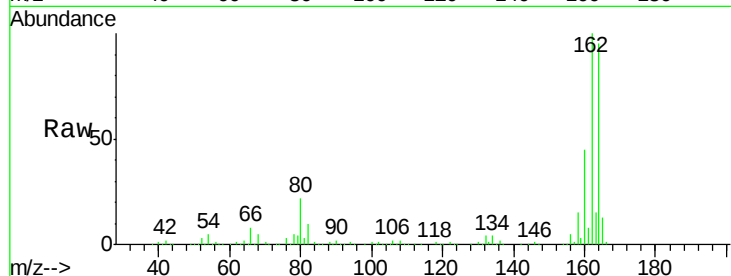
ClientSampleId :

SB-COMP

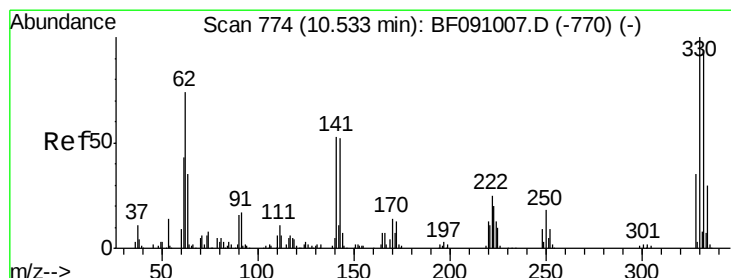
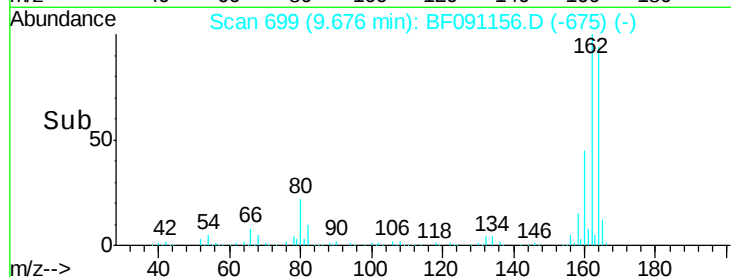
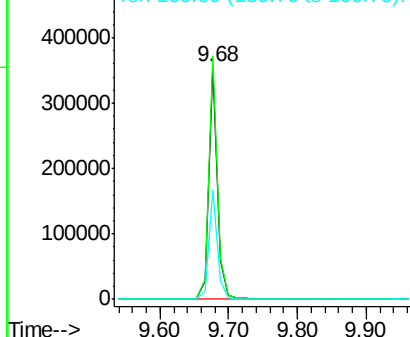
Tot Ion:	164	Resp:	317757
Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.6	125.4
160	46.7	37.9	56.9

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



#41

2,4,6-Tribromophenol

Concen: 107.54 ng

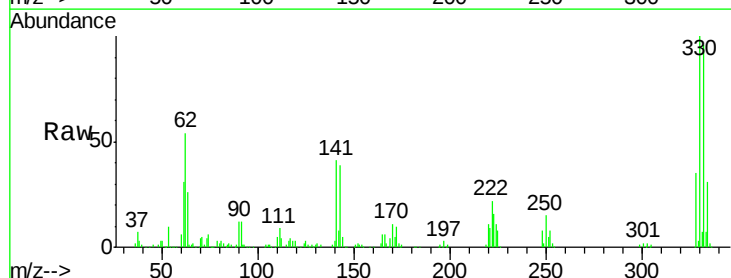
RT: 10.46 min Scan# 768

Delta R.T. -0.02 min

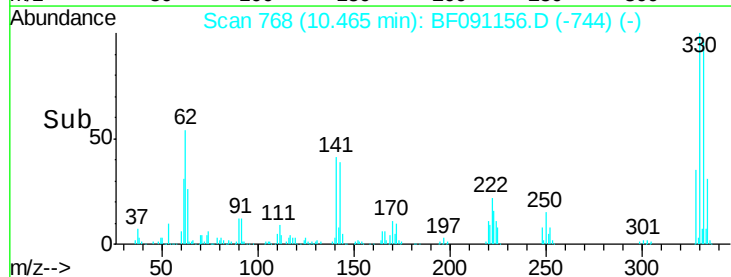
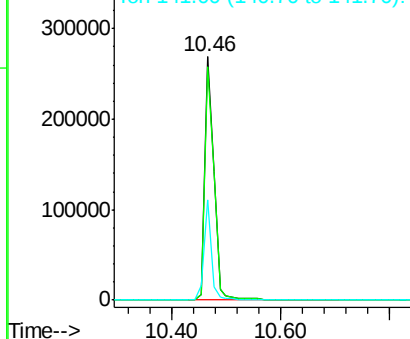
Lab File: BF091156.D

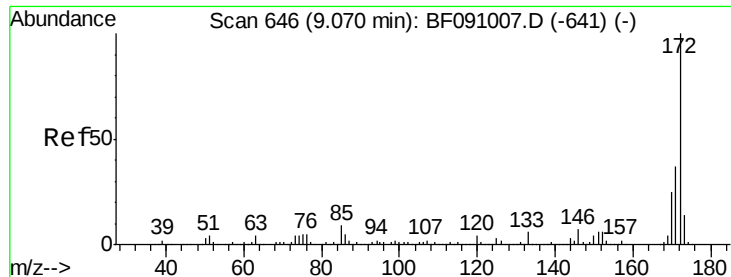
Acq: 11 Nov 2016 22:35

Tgt Ion:	330	Resp:	308920
Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.9	113.9
141	33.3	36.1	54.1#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





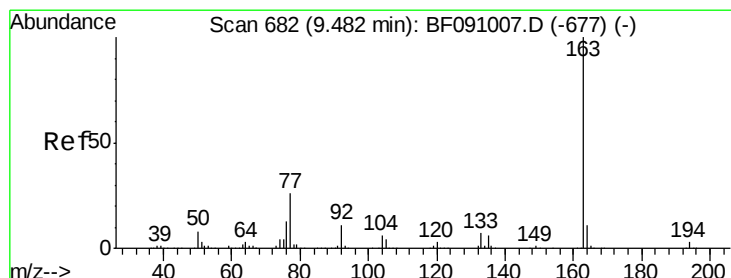
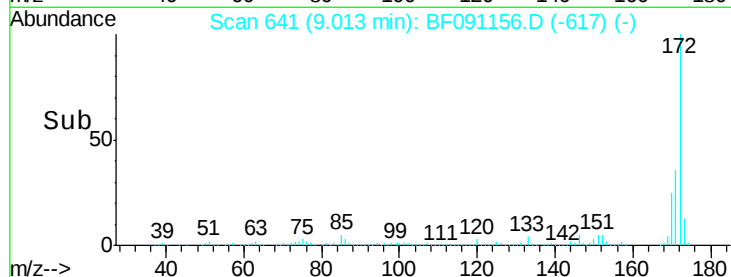
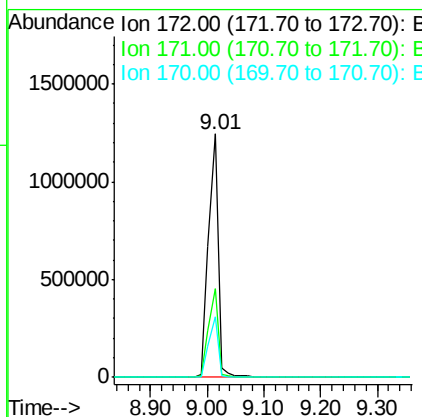
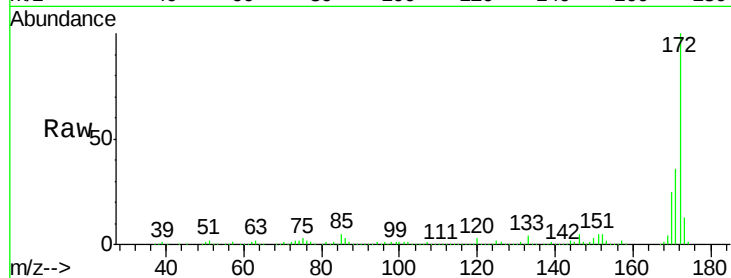
#44
2-Fluorobiphenyl
Concen: 76.57 ng
RT: 9.01 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
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ClientSampleId :
SB-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	24.8	20.3	30.5

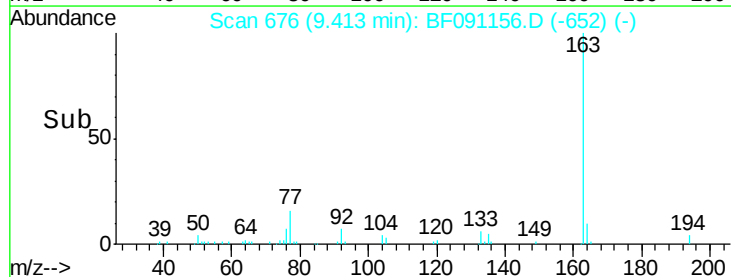
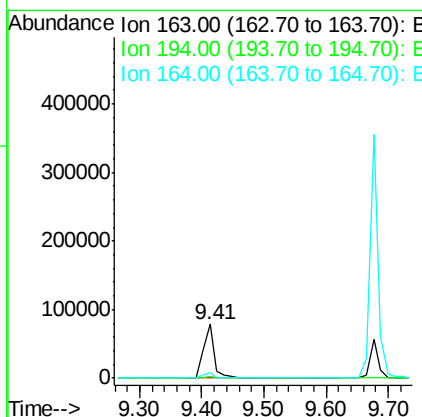
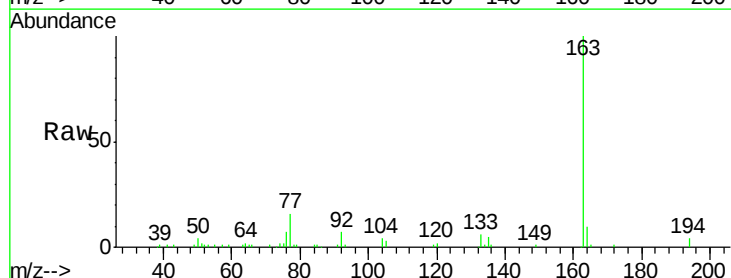
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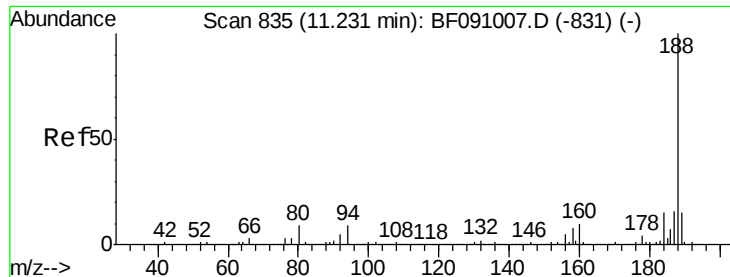
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#49
Dimethylphthalate
Concen: 4.61 ng
RT: 9.41 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.2	8.7	13.1





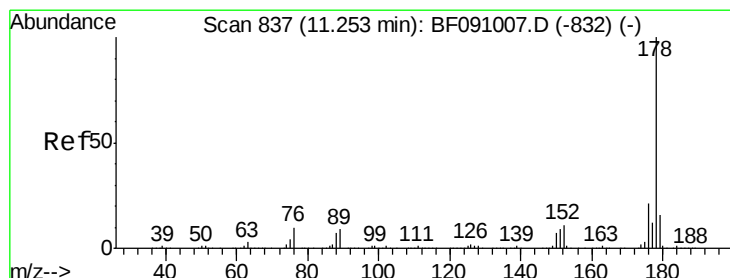
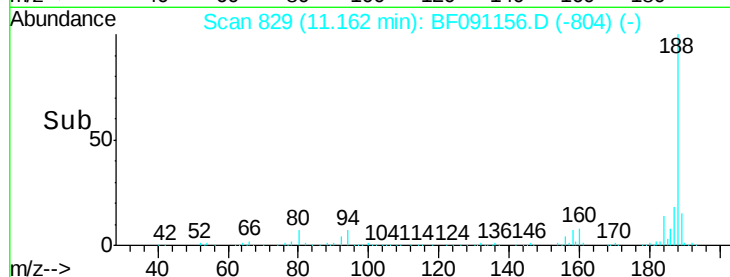
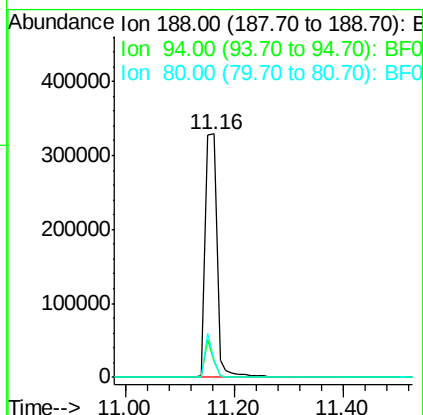
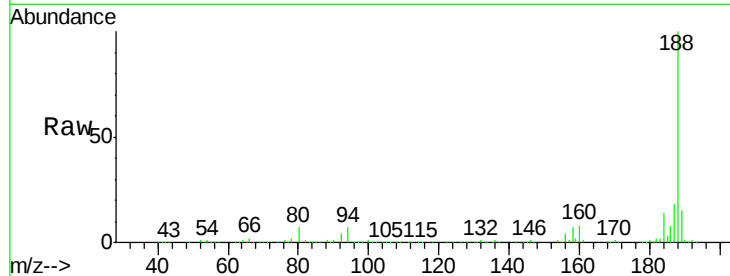
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	493127		
94	6.7	7.0	10.4#	
80	7.1	7.5	11.3#	

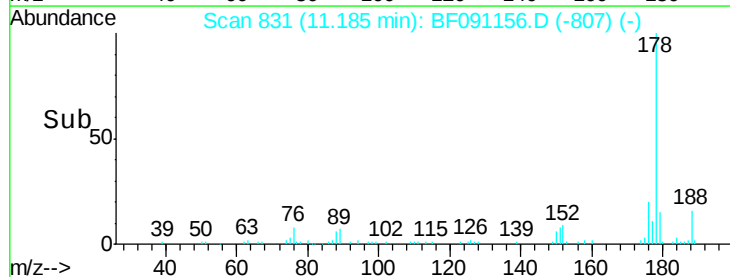
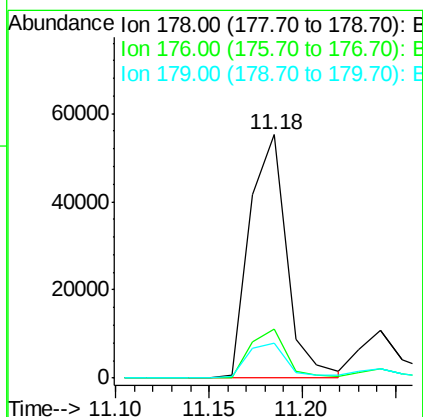
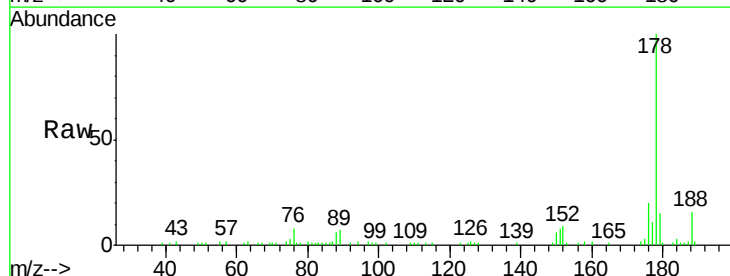
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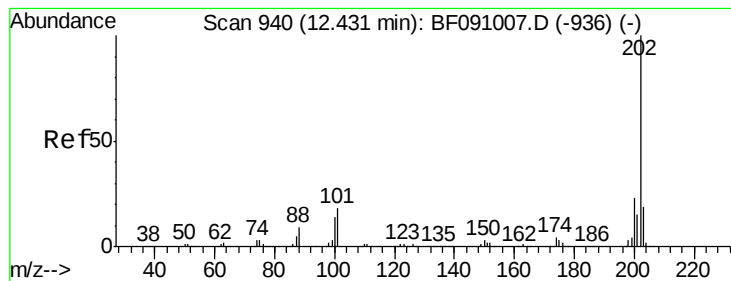
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#70
Phenanthrene
Concen: 2.90 ng
RT: 11.18 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	76133		
176	20.0	16.6	25.0	
179	14.6	12.9	19.3	





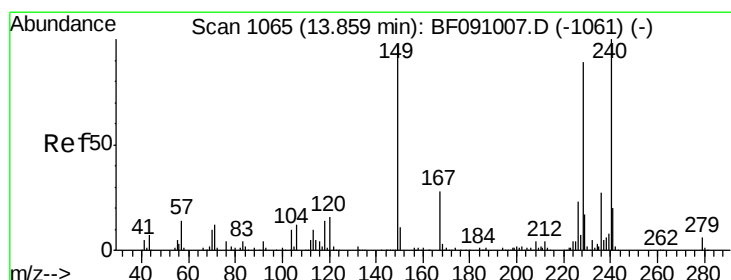
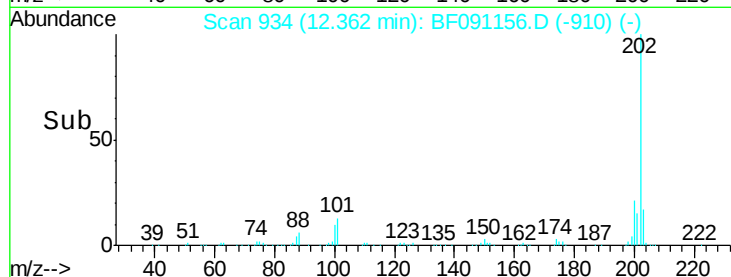
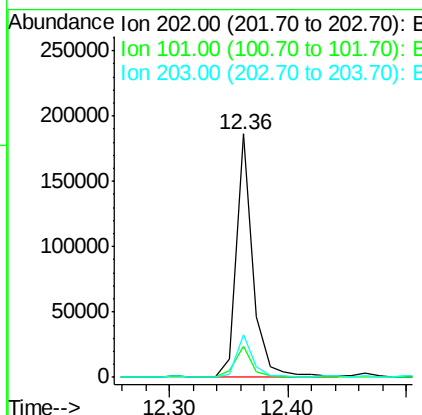
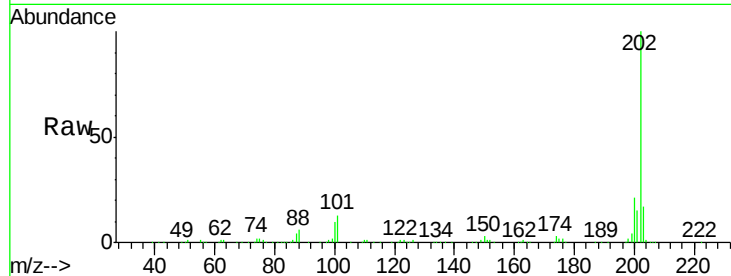
#74
Fluoranthene
Concen: 6.61 ng
RT: 12.36 min Scan# 934
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.8	0.0	37.6
203	17.5	0.0	38.6

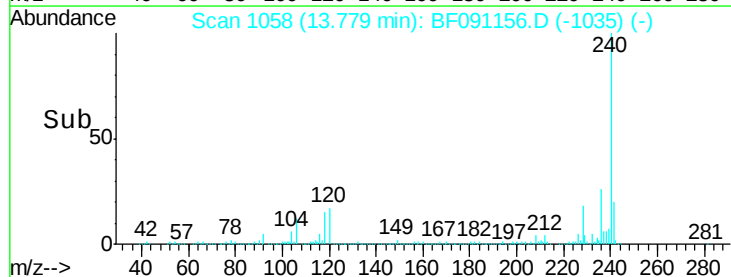
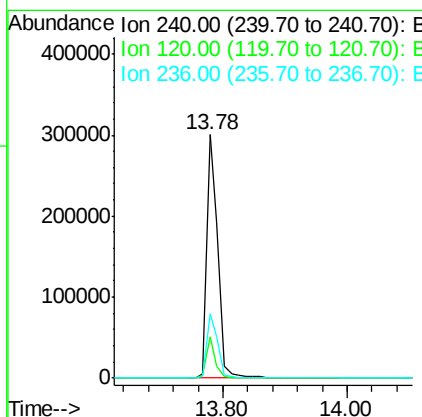
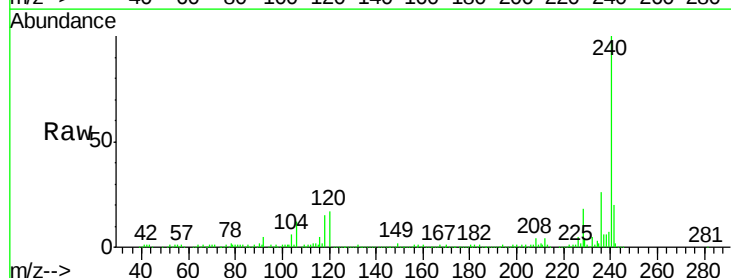
Manual Integrations
APPROVED

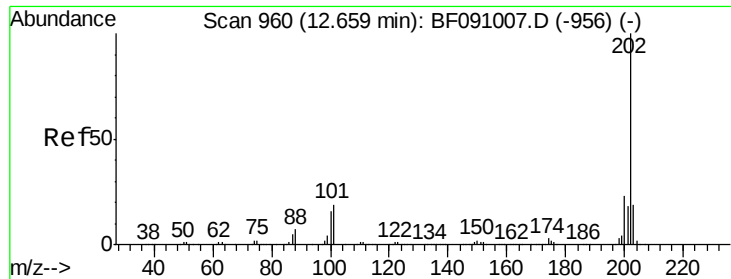
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.78 min Scan# 1058
Delta R.T. -0.03 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	16.9	12.9	19.3
236	26.5	21.9	32.9





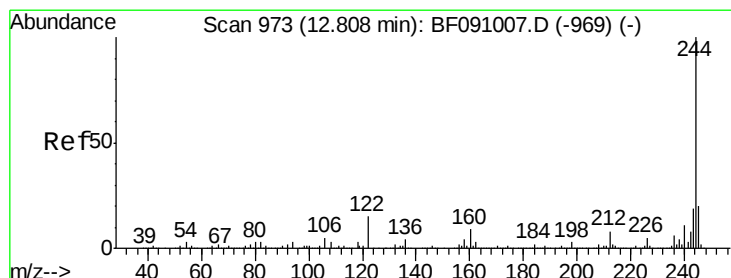
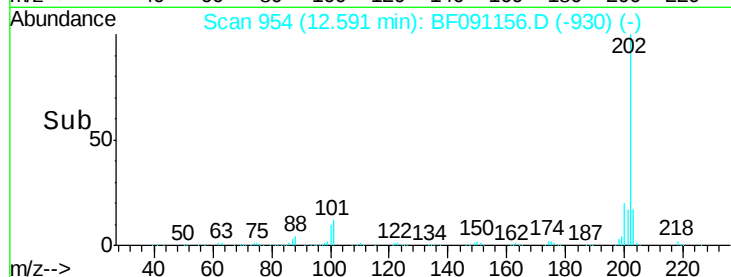
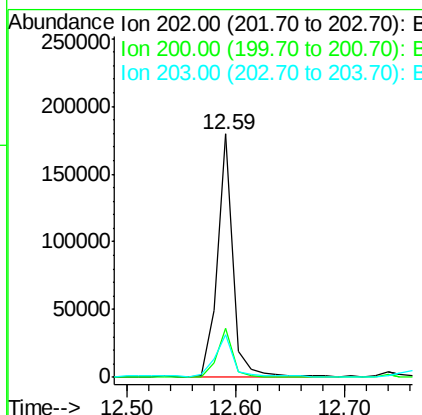
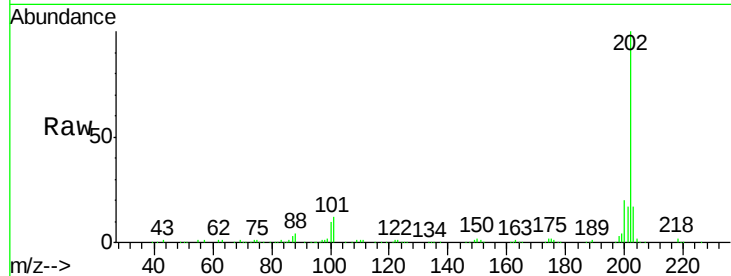
#77
Pvrene
Concen: 7.44 ng
RT: 12.59 min Scan# 954
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	18.4	27.6
203	17.4	15.0	22.6

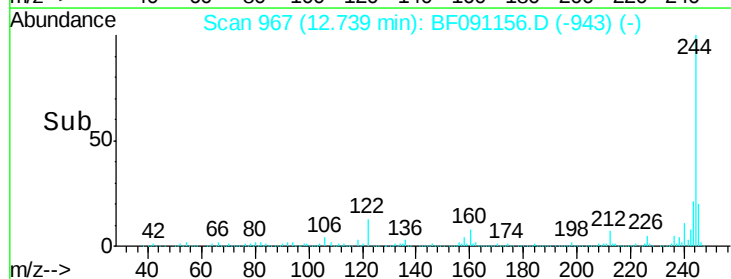
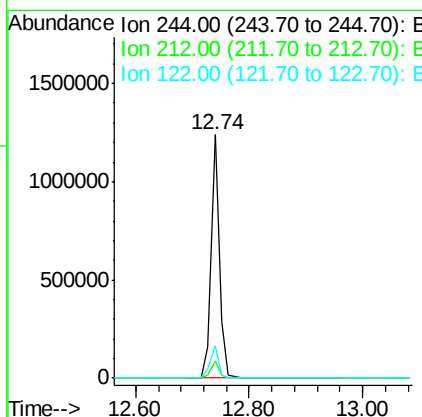
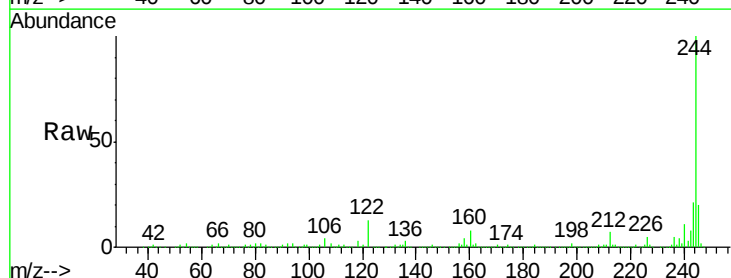
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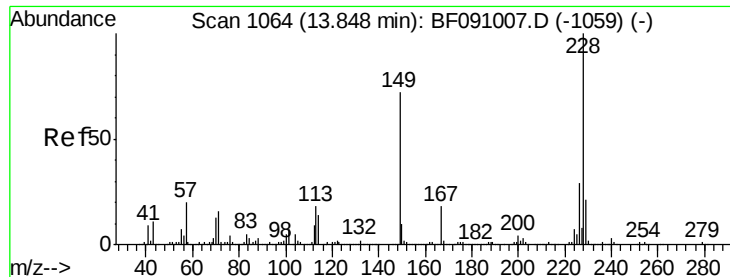
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#78
Terphenyl-d14
Concen: 80.84 ng
RT: 12.74 min Scan# 967
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.4	9.6
122	13.2	12.3	18.5





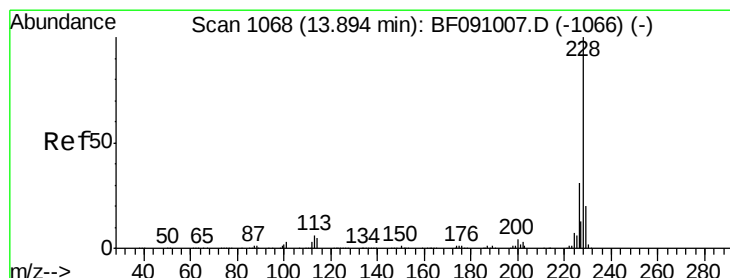
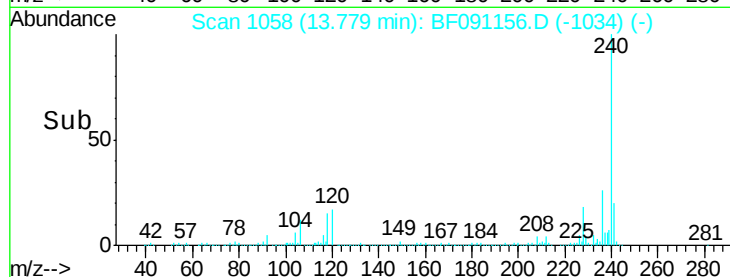
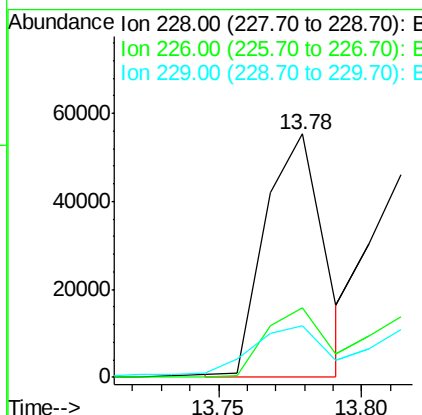
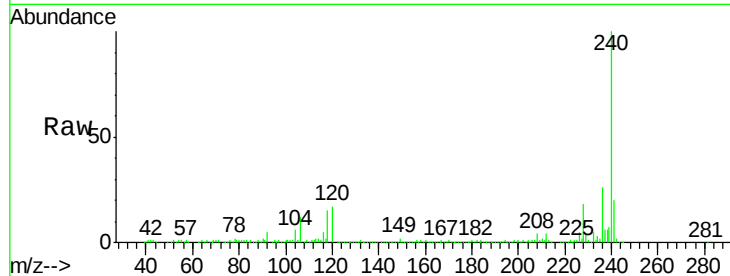
#80
Benzo(a)anthracene
Concen: 3.78 ng m
RT: 13.78 min Scan# 1058
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion:	228	Resp:	78813
Ion Ratio	Lower	Upper	
228	100		
226	28.7	23.0	34.6
229	20.9	16.6	24.8

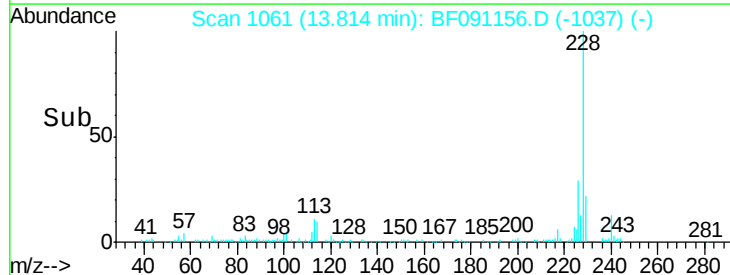
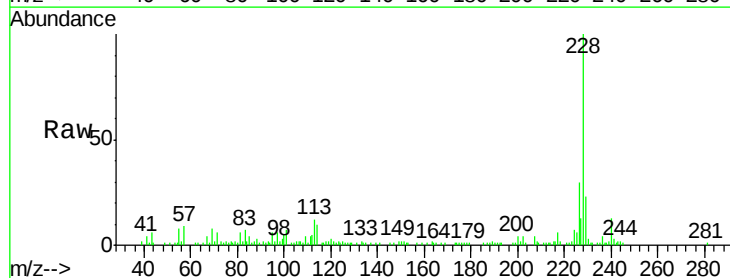
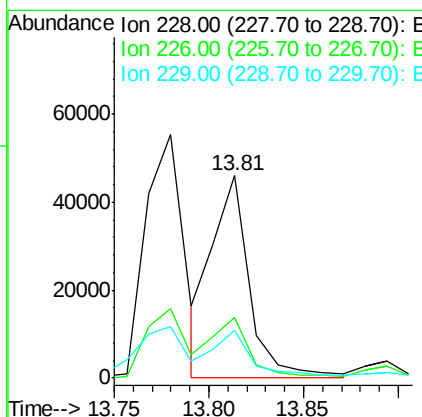
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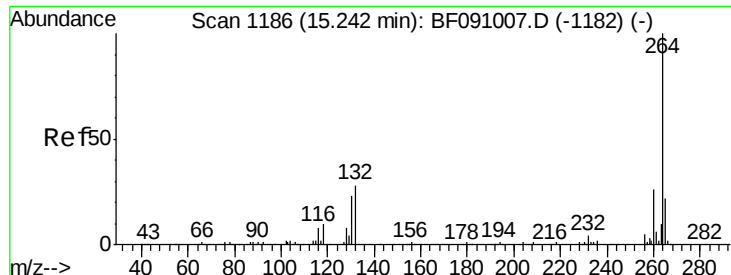
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#82
Chrysene
Concen: 3.09 ng m
RT: 13.81 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion:	228	Resp:	63517
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.9	37.3
229	23.4	15.9	23.9





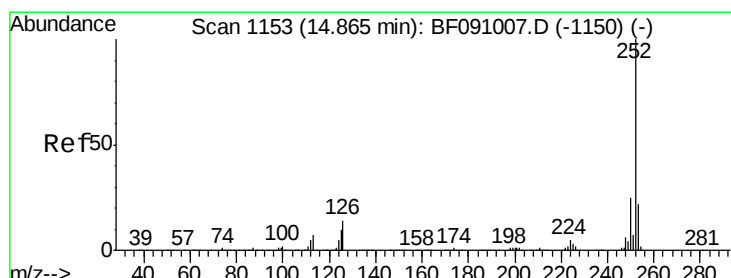
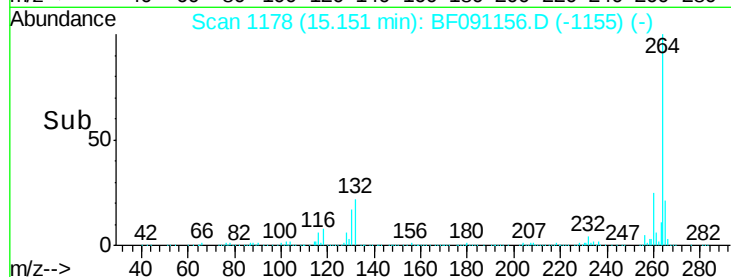
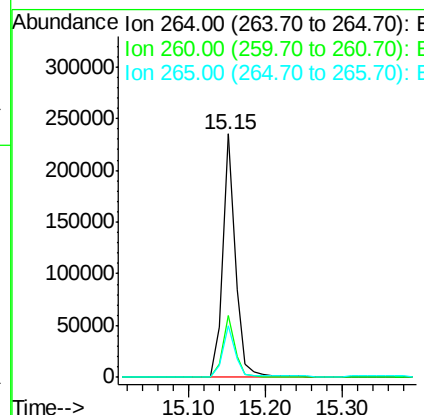
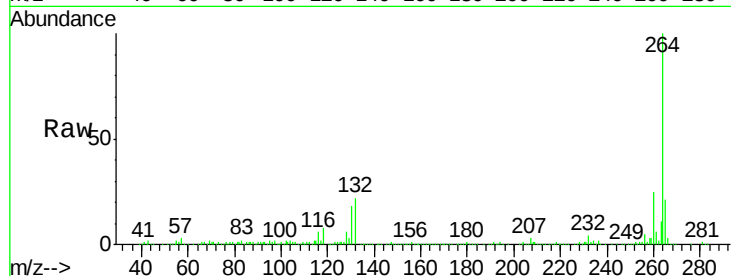
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1178
Delta R.T. -0.03 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.6	30.8
265	21.1	17.8	26.8

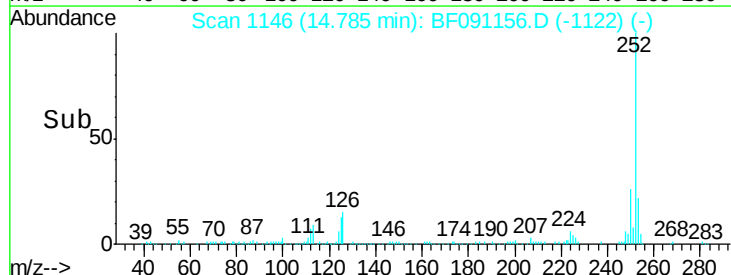
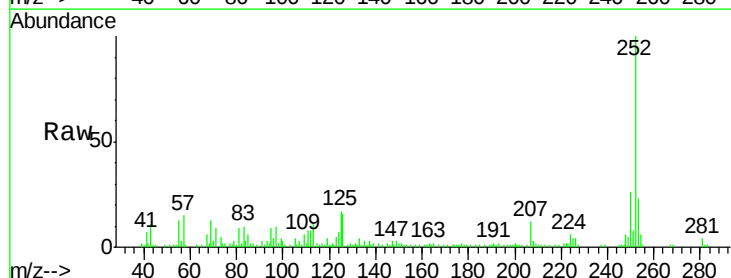
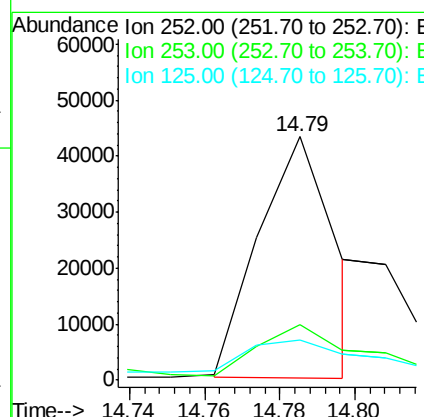
Manual Integrations
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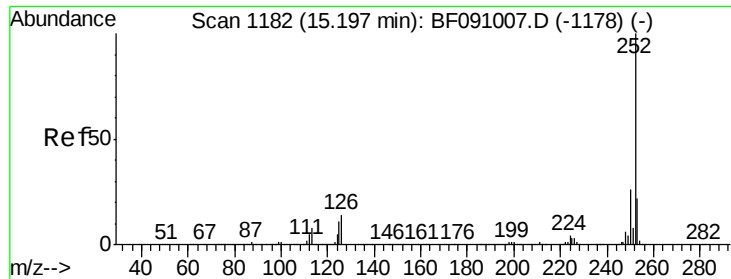
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#87
Benzo(b)fluoranthene
Concen: 3.29 ng m
RT: 14.79 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	16.5	8.3	12.5#





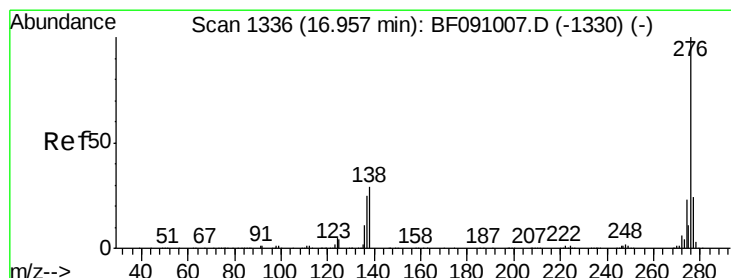
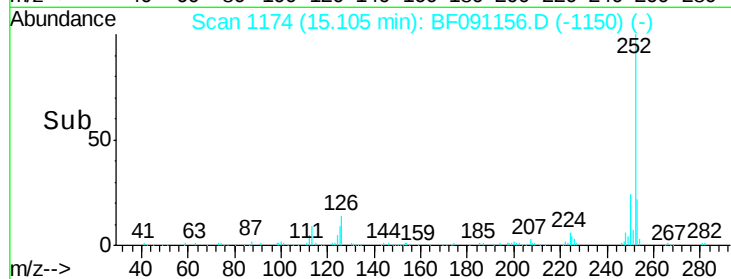
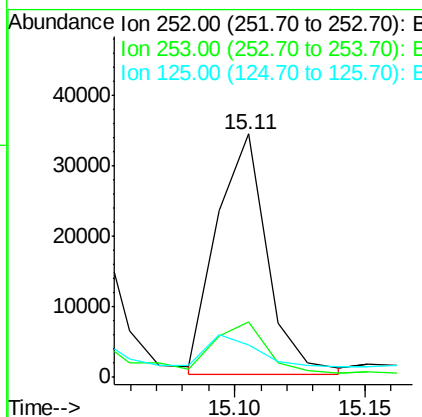
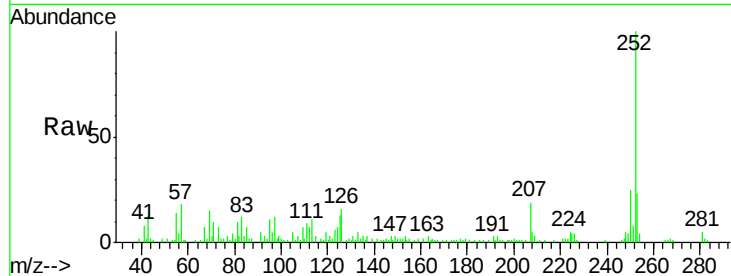
#89
Benzo(a)pyrene
Concen: 2.85 ng
RT: 15.11 min Scan# 1174
Delta R.T. -0.02 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Instrument :
BNA_F
ClientSampleId :
SB-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	13.5	8.6	13.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.35 ng
RT: 16.81 min Scan# 1323
Delta R.T. -0.05 min
Lab File: BF091156.D
Acq: 11 Nov 2016 22:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	26.2	23.3	34.9

