

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088628.D
 Acq On : 2 Jul 2016 20:33
 Operator : UM/SJ
 Sample : H3847-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Manual Integrations

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Quant Time: Jul 03 04:27:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	108979	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	441123	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	178771	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	275971	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	220553	20.00	ng	-0.02
86) Perylene-d12	15.34	264	204829	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	801130	110.17	ng	-0.01
7) Phenol-d6	6.43	99	1066232	113.48	ng	-0.01
23) Nitrobenzene-d5	7.36	82	648267	77.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	163928	98.75	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	870775	76.94	ng	-0.02
78) Terphenyl-d14	12.89	244	525733	53.09	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	262945	20.65	ng	98
70) Phenanthrene	11.32	178	85890	5.69	ng	98
74) Fluoranthene	12.51	202	128474	8.40	ng	98
77) Pyrene	12.74	202	116262	6.22	ng	97
80) Benzo(a)anthracene	13.92	228	66525	4.68	ng	99
82) Chrysene	13.95	228	48974	3.49	ng	95
85) Indeno(1,2,3-cd)pyrene	16.66	276	23299	2.16	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	63099m	4.91	ng	
88) Benzo(k)fluoranthene	14.96	252	25304m	2.26	ng	
89) Benzo(a)pyrene	15.27	252	43704	4.02	ng	97
91) Benzo(g,h,i)perylene	17.06	276	23996	2.55	ng	93

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

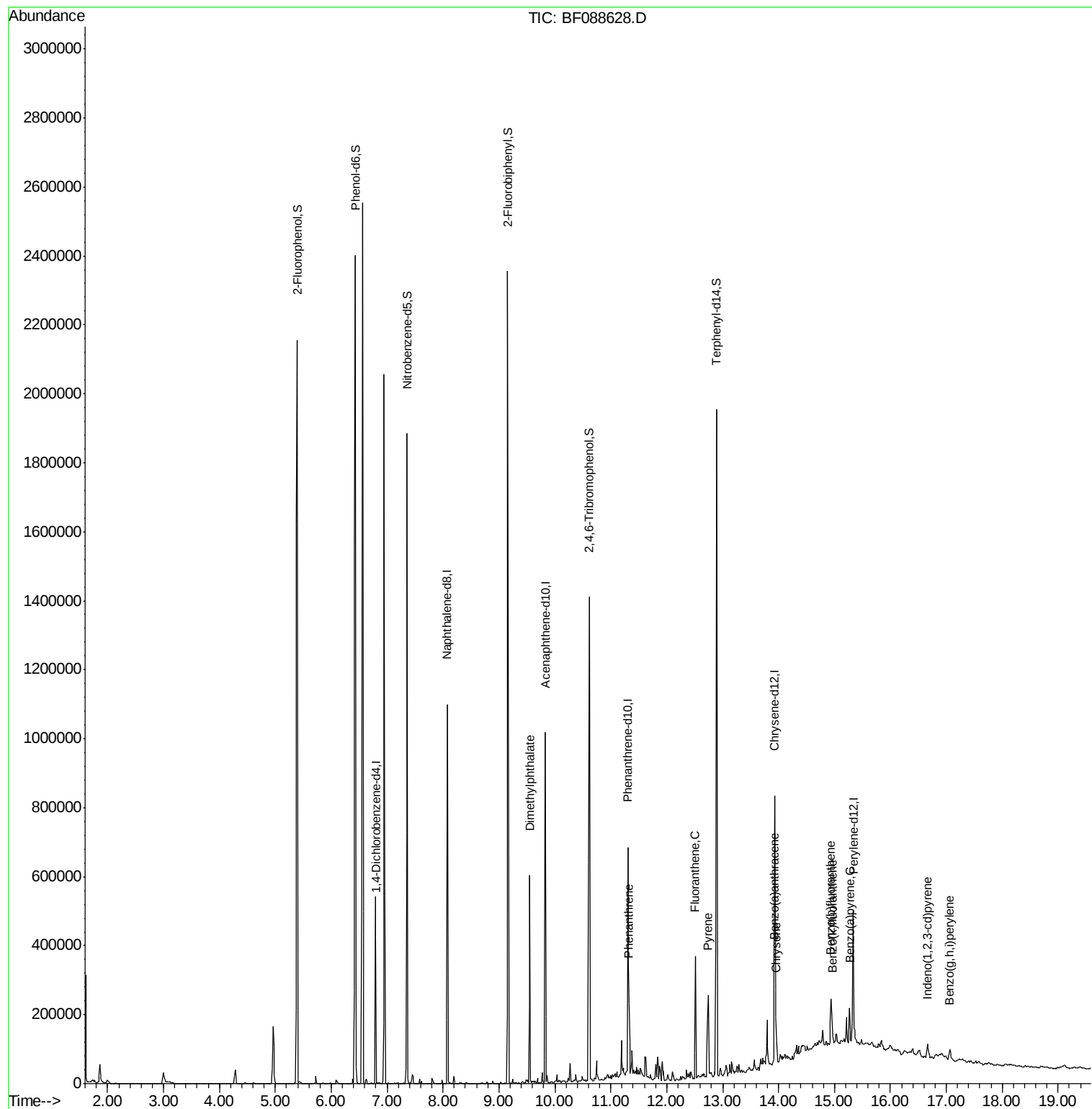
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
Data File : BF088628.D
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Operator : UM/SJ
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Misc :
ALS Vial : 19 Sample Multiplier: 1

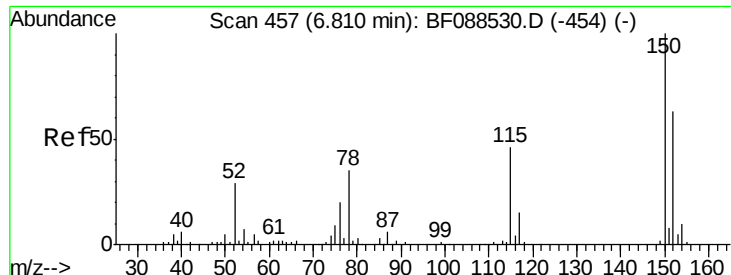
Instrument :
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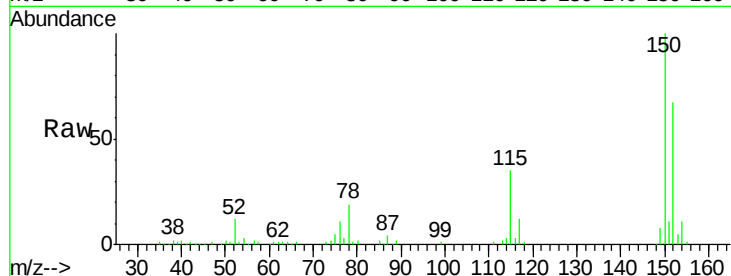




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

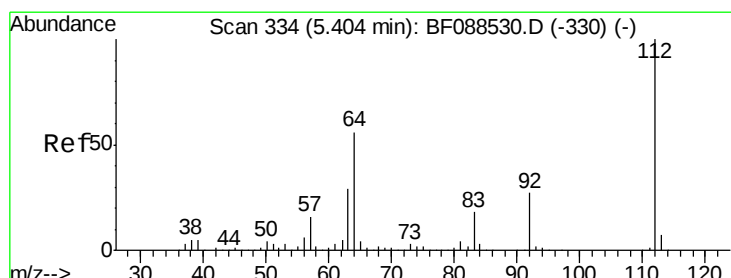
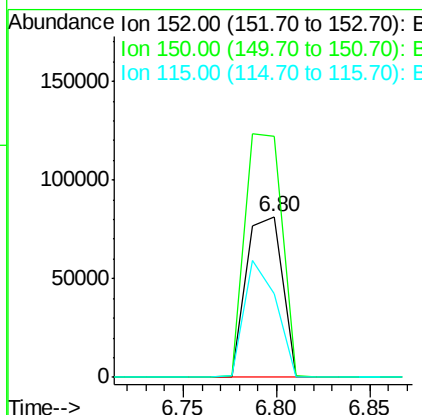
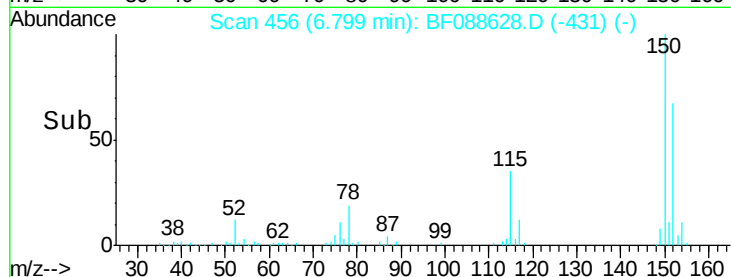
Instrument :
BNA_F
ClientSampleId :
S4-B1(0-11)C



Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.3	123.8	185.6
115	52.5	39.6	59.4

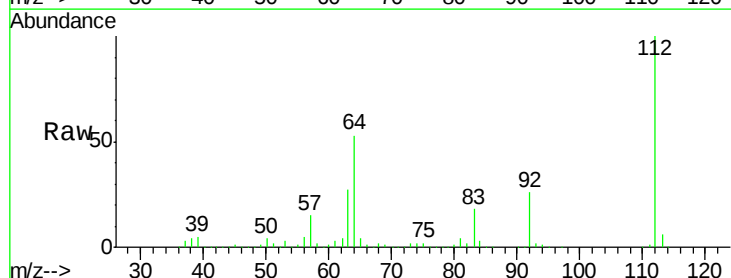
Manual Integrations

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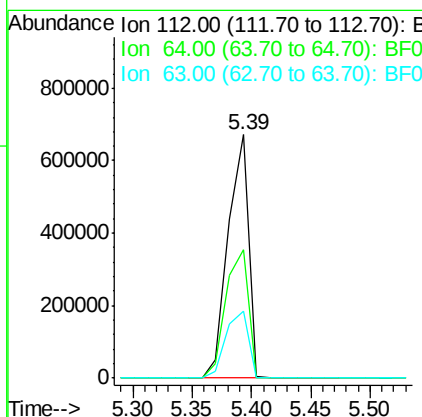
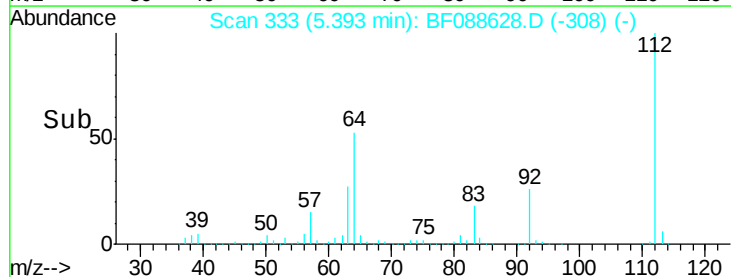


#5

2-Fluorophenol
Concen: 110.17 ng
RT: 5.39 min Scan# 333
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33



Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.2	63.2
63	27.5	21.8	32.8





#7

Phenol-d6

Concen: 113.48 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088628.D

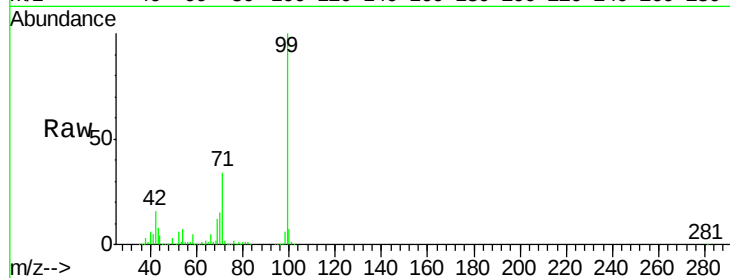
Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C



Tgt Ion: 99 Resp: 1066232

Ion Ratio Lower Upper

99 100

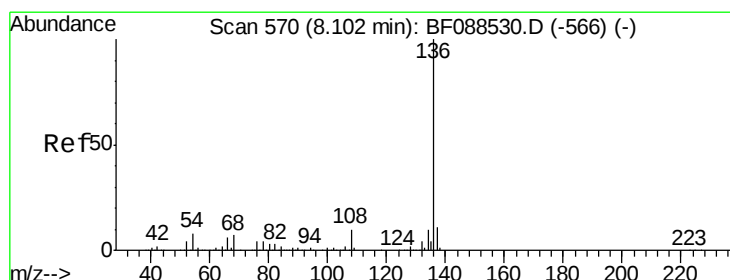
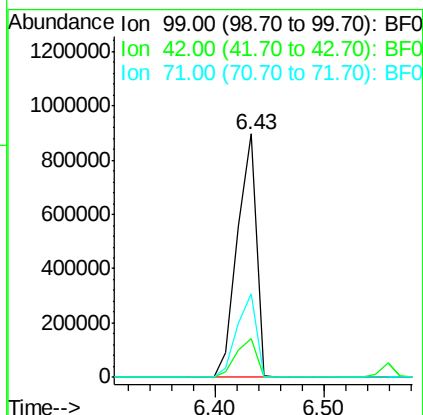
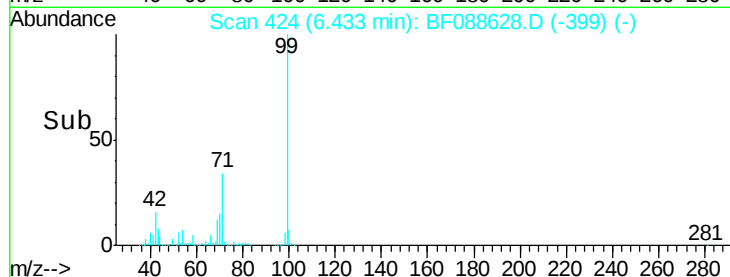
42 15.8 12.2 18.2

71 34.3 23.4 35.0

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Tgt Ion: 136 Resp: 441123

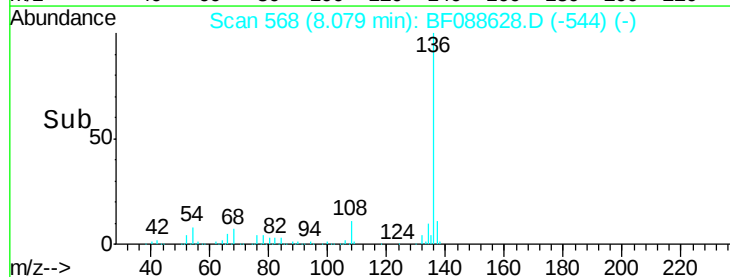
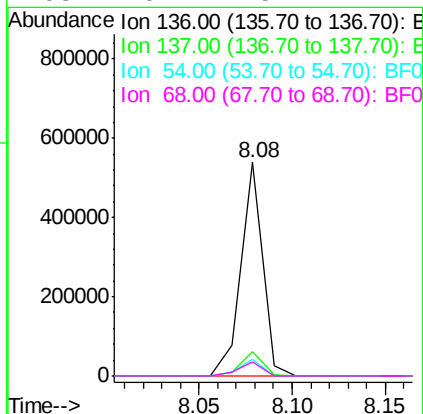
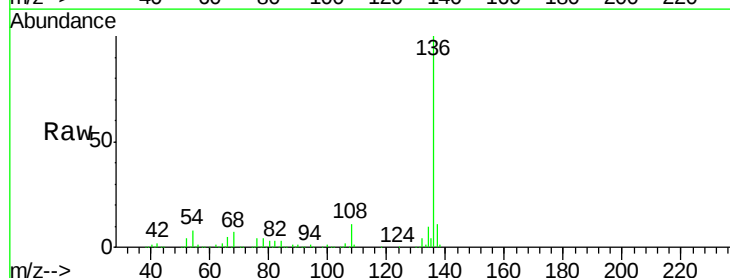
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 7.8 6.6 10.0

68 6.7 5.1 7.7





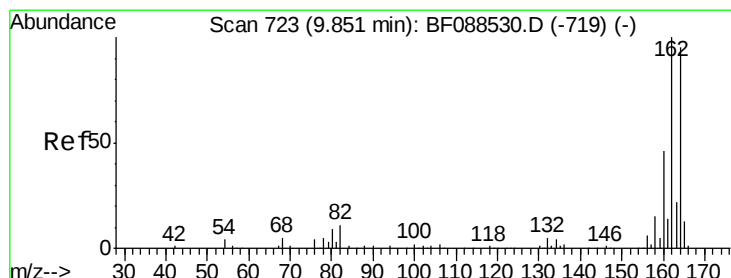
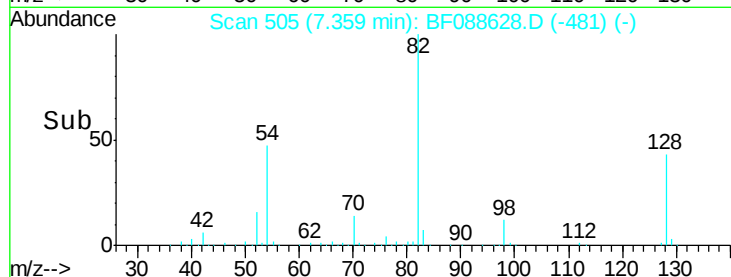
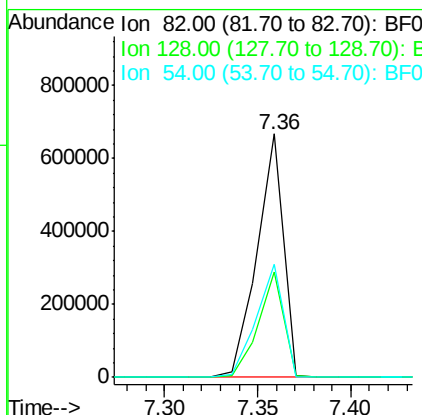
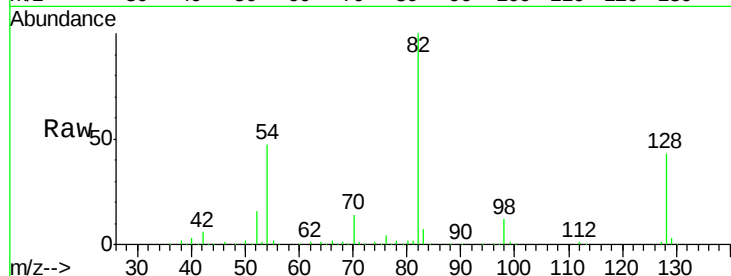
#23
 Nitrobenzene-d5
 Concen: 77.01 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.4	35.9	53.9
54	46.5	40.9	61.3

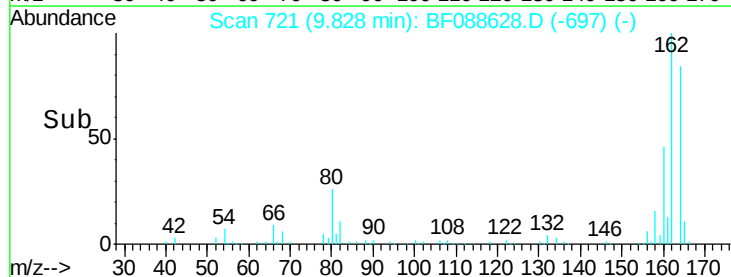
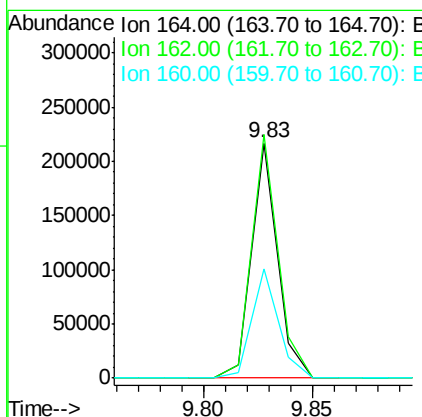
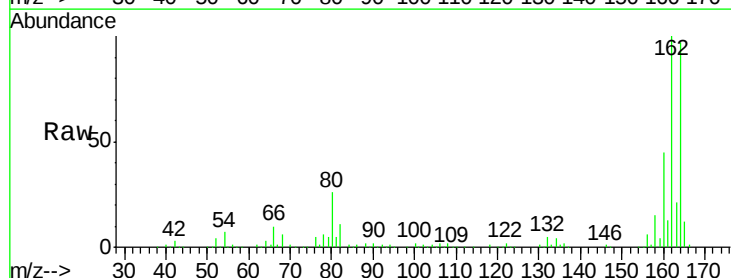
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.4	128.2
160	46.7	39.5	59.3





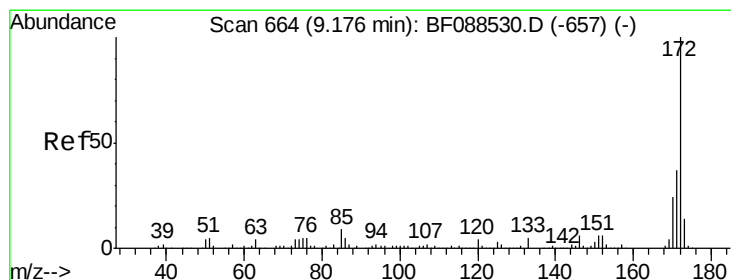
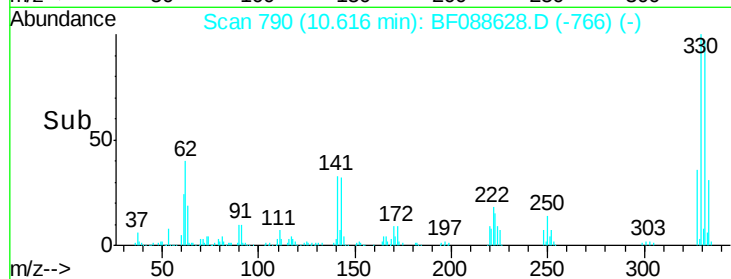
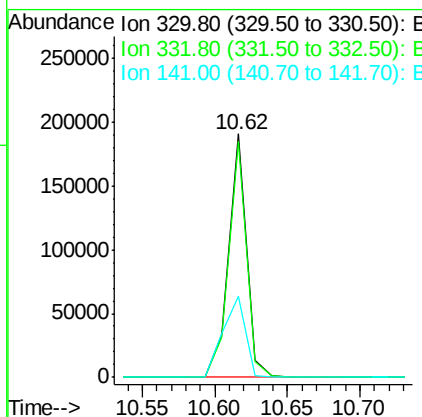
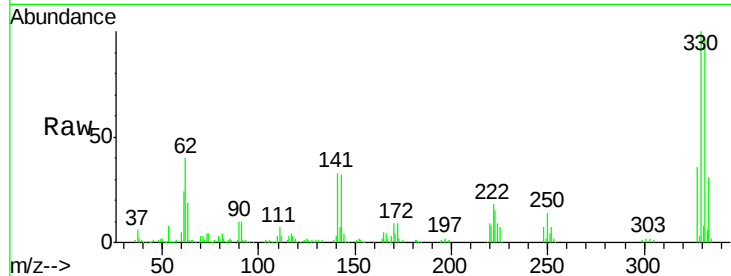
#41
 2,4,6-Tribromophenol
 Concen: 98.75 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	163928		
332	96.9	0.0	0.0	0.0
141	42.0	0.0	0.0	0.0

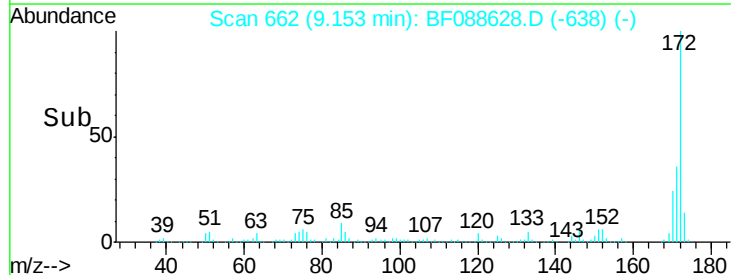
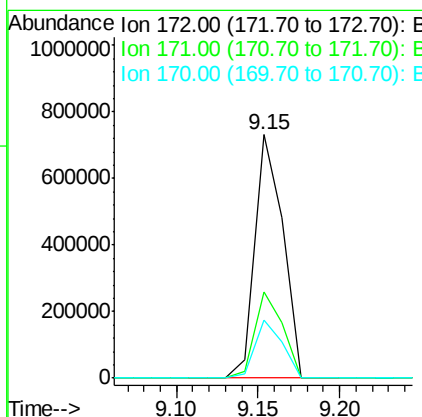
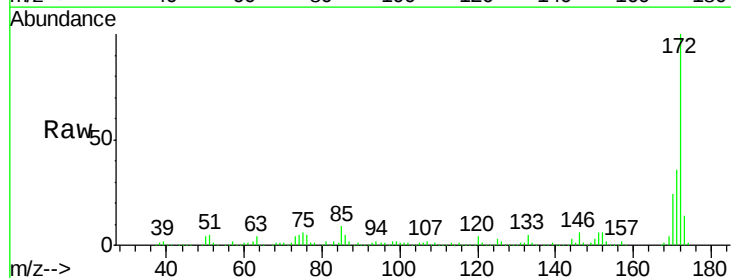
Manual Integrations

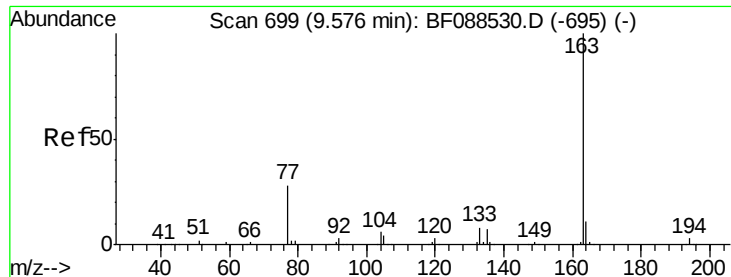
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#44
 2-Fluorobiphenyl
 Concen: 76.94 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	870775		
171	35.6	28.6	43.0	
170	23.7	19.2	28.8	





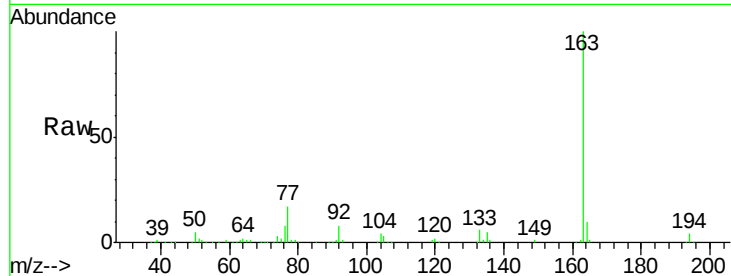
#49
Dimethylphthalate
Concen: 20.65 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Instrument :
BNA_F
ClientSampleId :
S4-B1(0-11)C

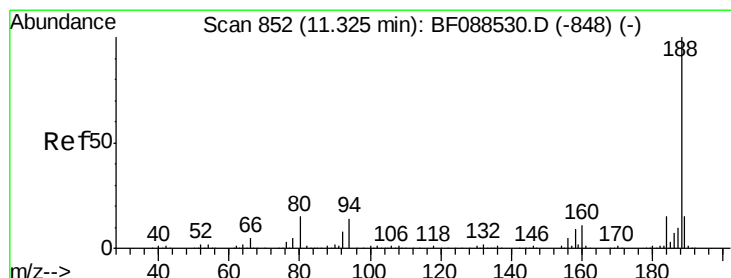
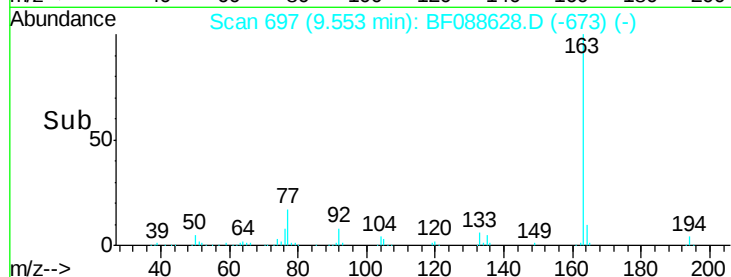
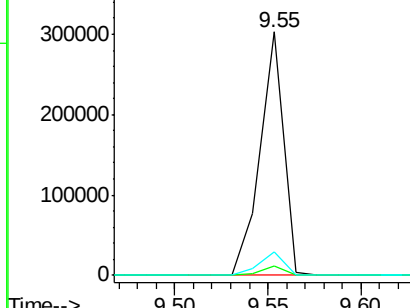
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	262945		
194	3.6		2.8	4.2
164	9.7		8.3	12.5

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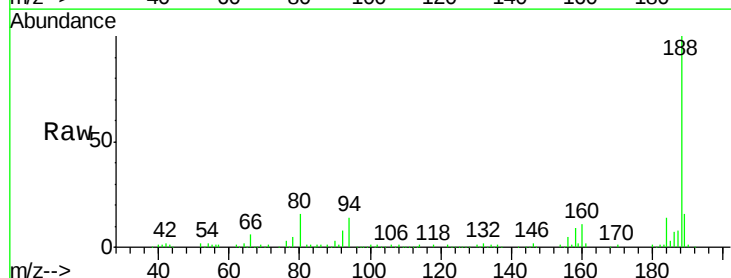


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

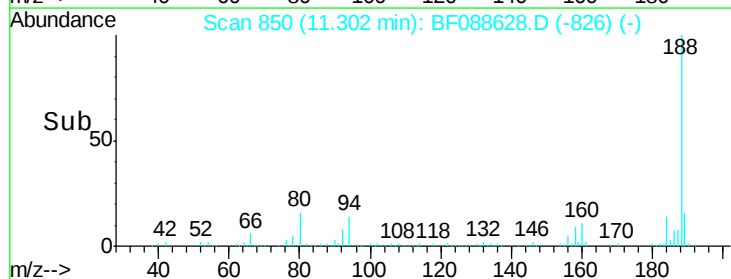
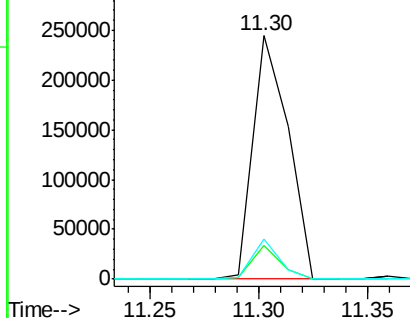


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	275971		
94	14.0		9.0	13.6#
80	16.2		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





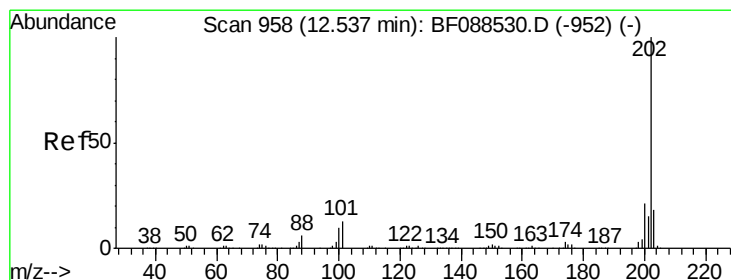
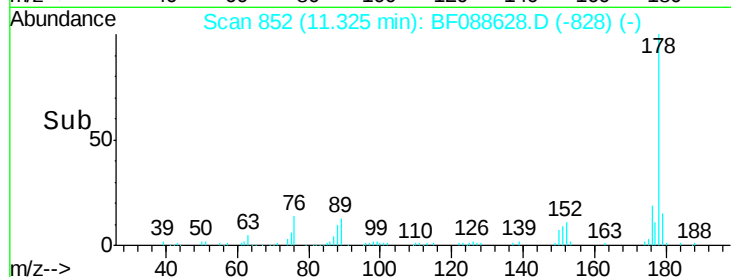
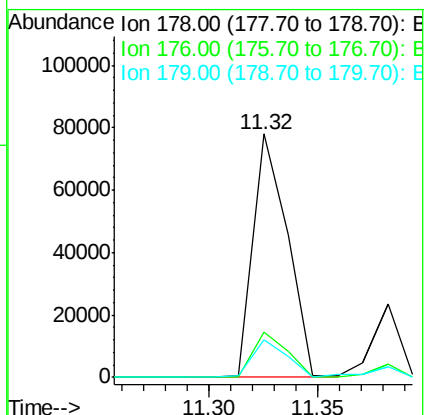
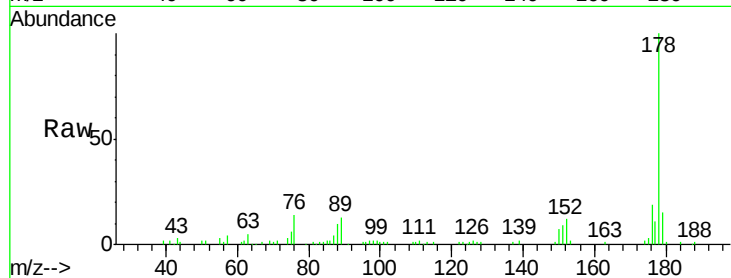
#70
Phenanthrene
Concen: 5.69 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Instrument :
BNA_F
ClientSampleId :
S4-B1(0-11)C

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.5	13.0	19.4

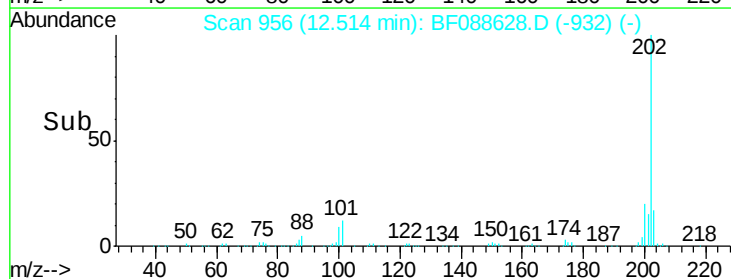
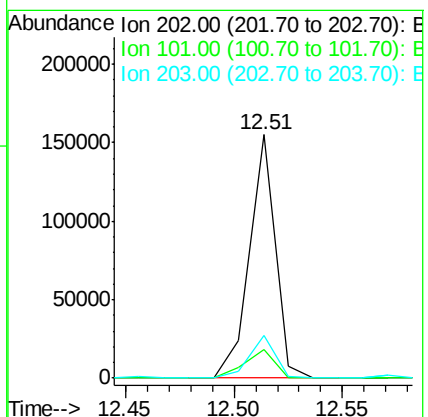
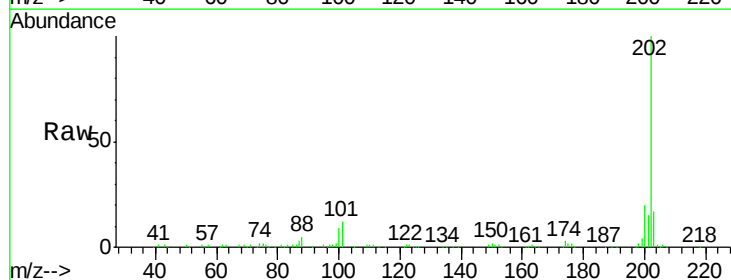
Manual Integrations

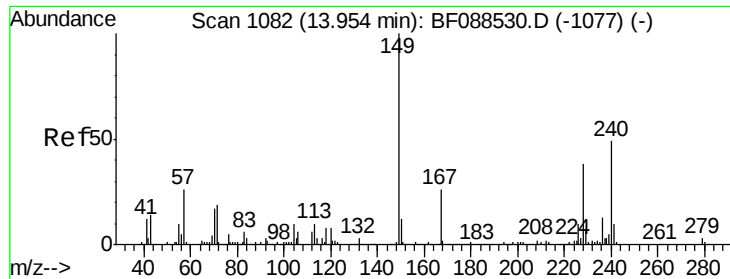
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#74
Fluoranthene
Concen: 8.40 ng
RT: 12.51 min Scan# 956
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

Tgt Ion:240 Resp: 220553

Ion Ratio Lower Upper

240 100

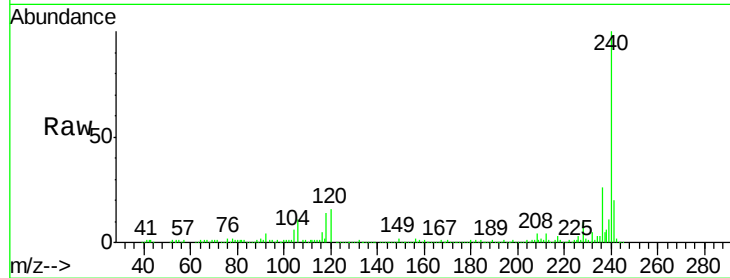
120 15.6 6.8 10.2#

236 25.7 20.2 30.2

Manual Integrations

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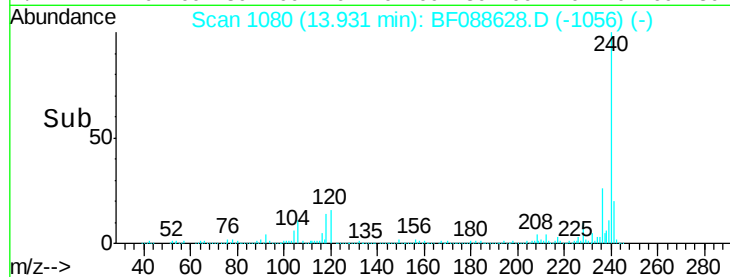


Abundance Ion 240.00 (239.70 to 240.70): E

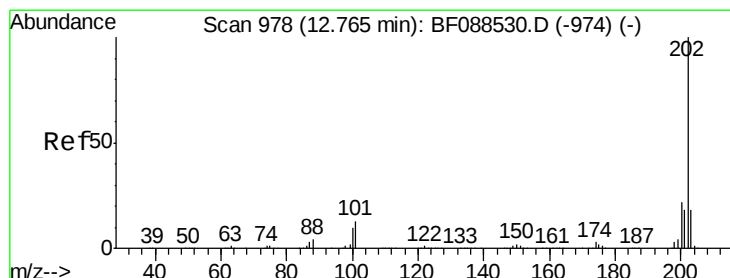
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#77

Pyrene

Concen: 6.22 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

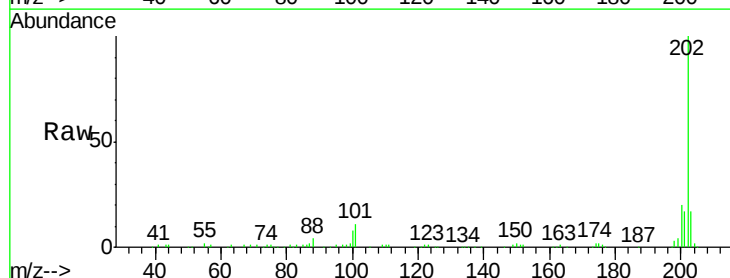
Tgt Ion:202 Resp: 116262

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

203 16.8 14.5 21.7

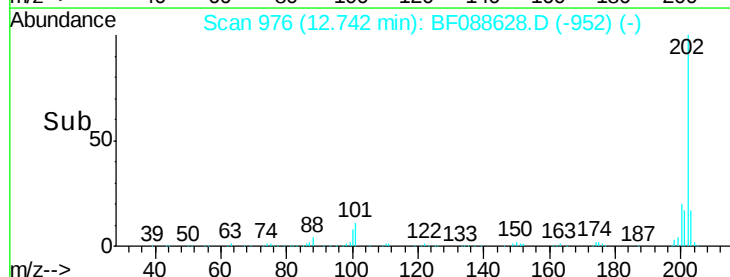


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



Time-->



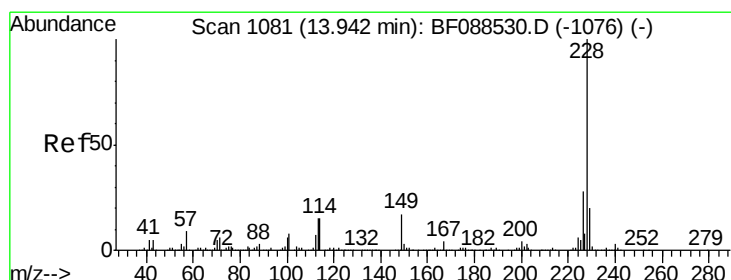
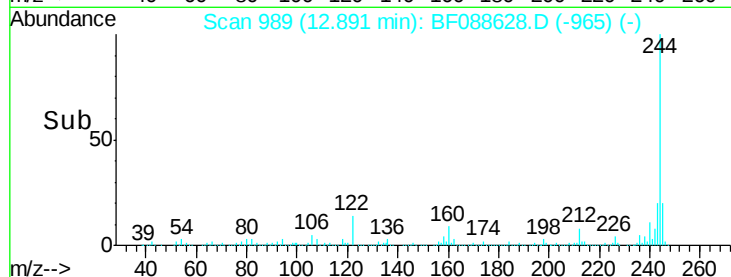
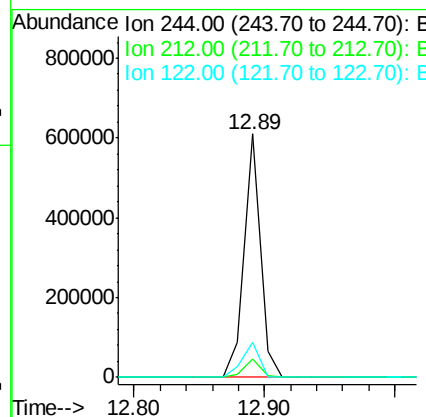
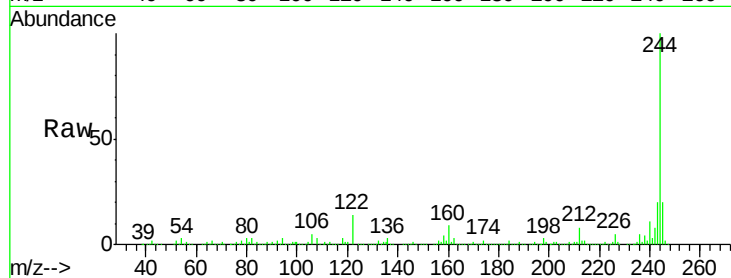
#78
 Terphenyl-d14
 Concen: 53.09 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	14.1	11.2	16.8

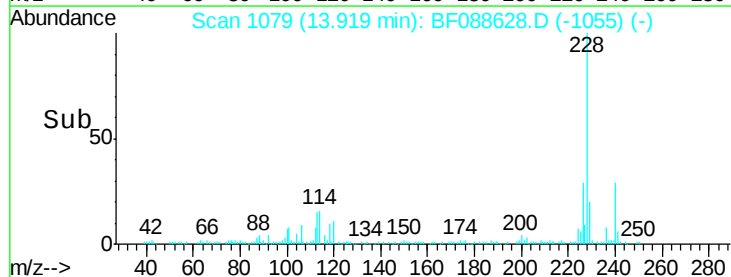
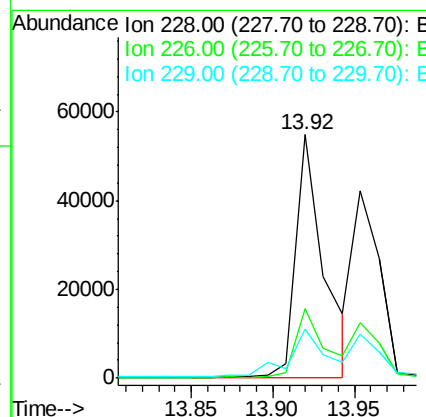
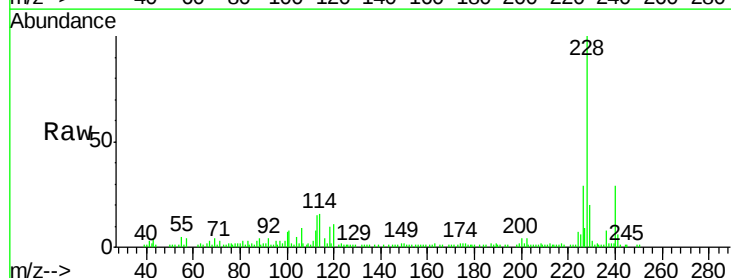
Manual Integrations

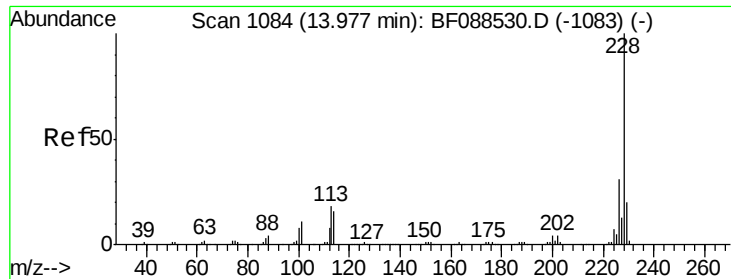
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#80
 Benzo(a)anthracene
 Concen: 4.68 ng
 RT: 13.92 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.4	16.0	24.0





#82

Chrysene

Concen: 3.49 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088628.D

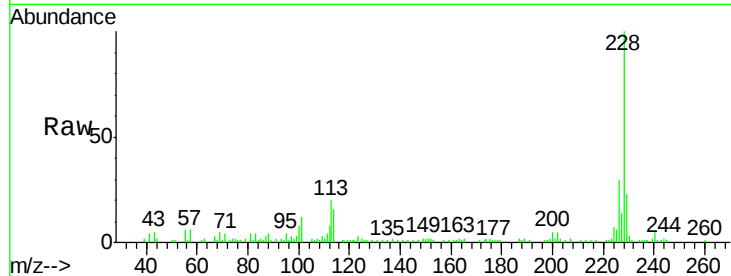
Acq: 2 Jul 2016 20:33

Instrument :

BNA_F

ClientSampleId :

S4-B1(0-11)C

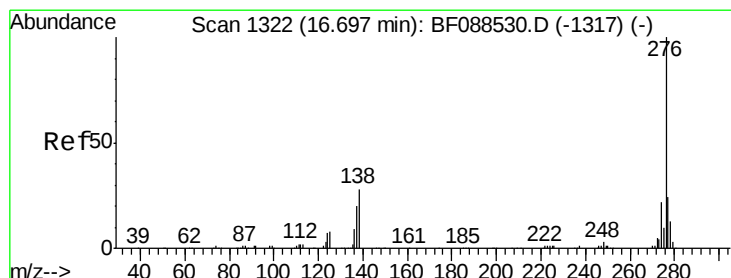
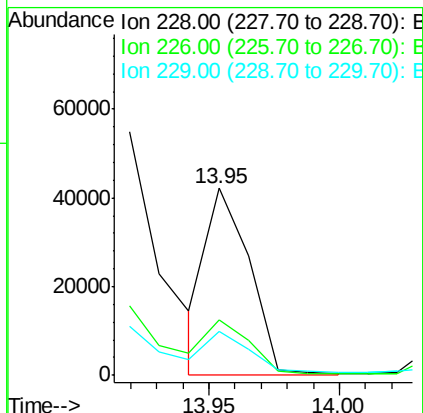
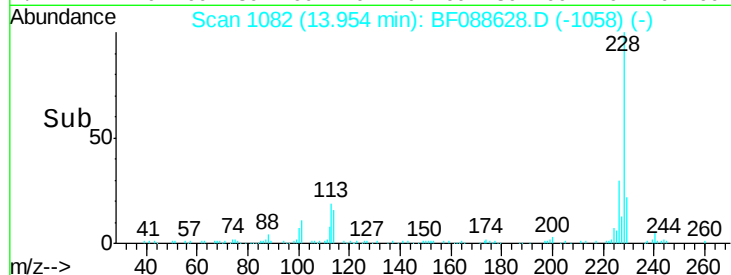


Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.4	38.2
229	23.3	16.3	24.5

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.16 ng

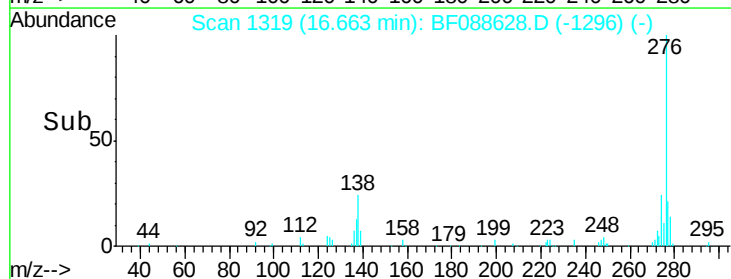
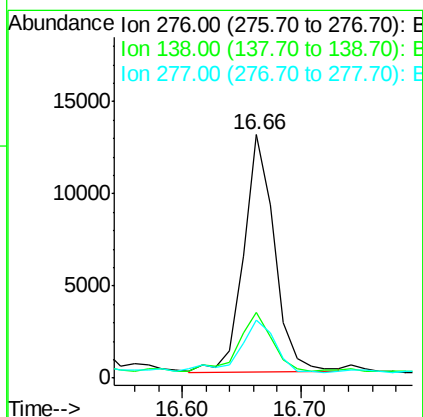
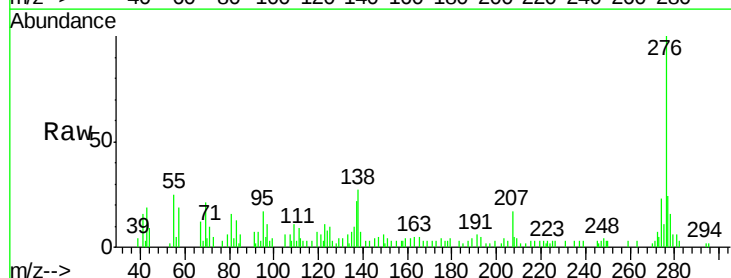
RT: 16.66 min Scan# 1319

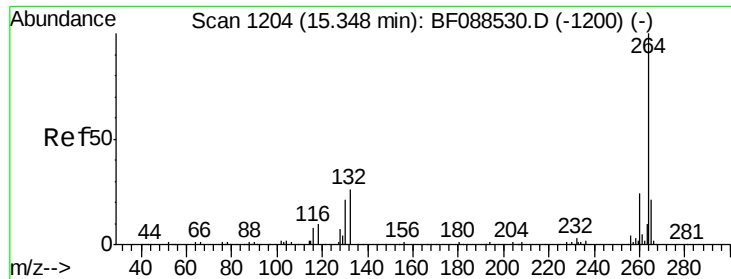
Delta R.T. -0.03 min

Lab File: BF088628.D

Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	0.0	0.0#
277	25.6	0.0	0.0#





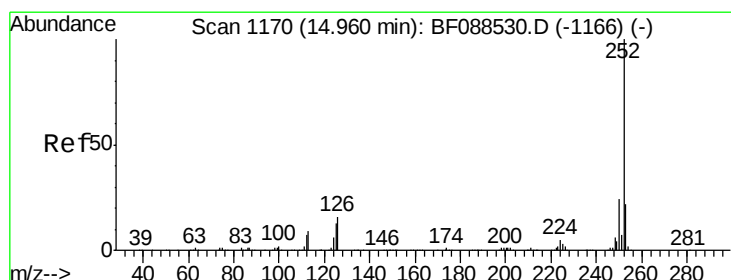
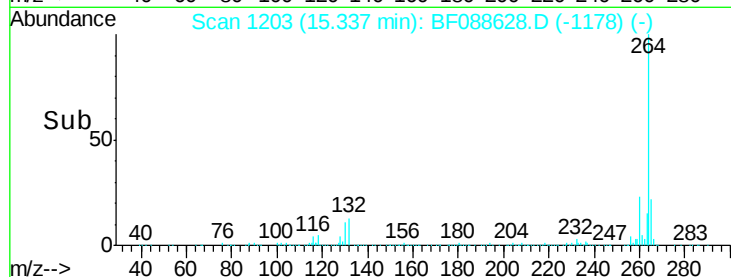
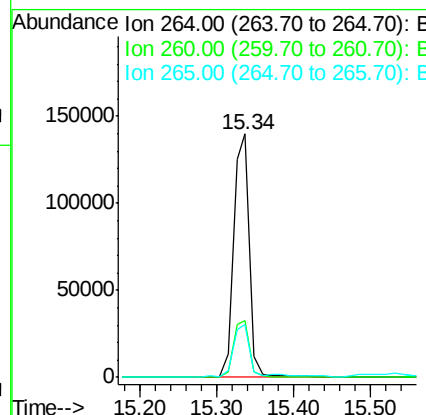
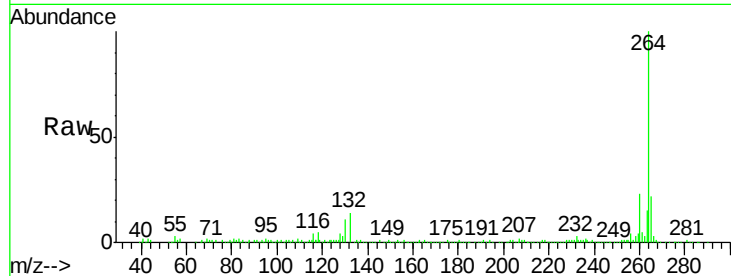
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Instrument :
BNA_F
ClientSampleId :
S4-B1(0-11)C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.6	16.9	25.3

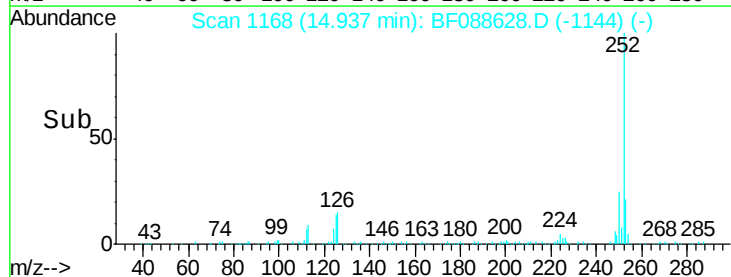
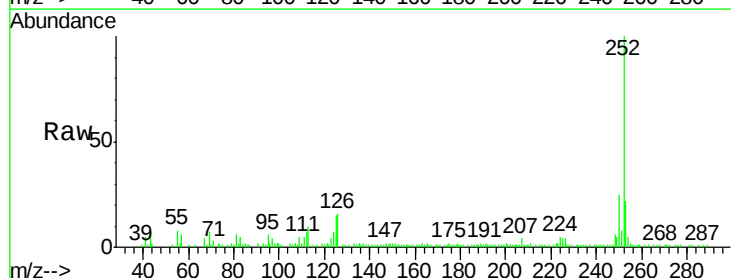
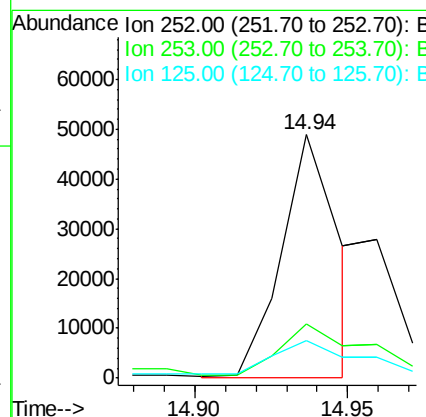
Manual Integrations

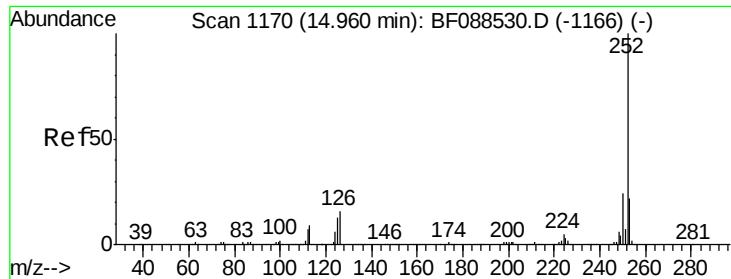
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#87
Benzo(b)fluoranthene
Concen: 4.91 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	15.5	7.1	10.7#





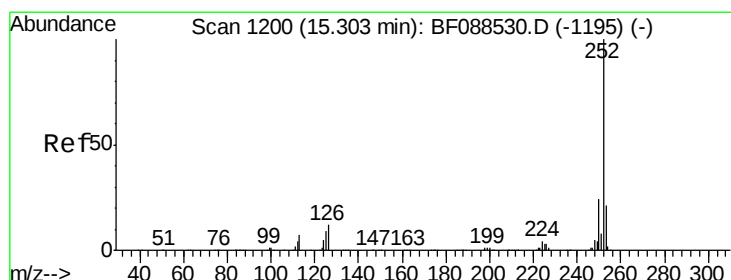
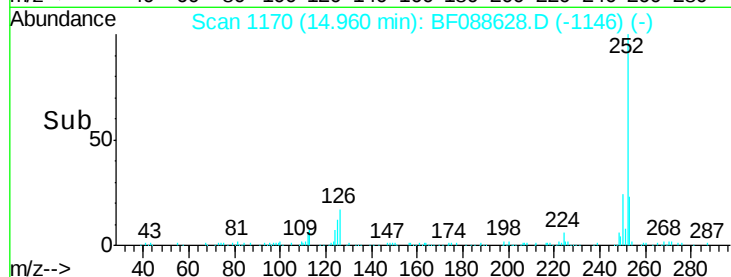
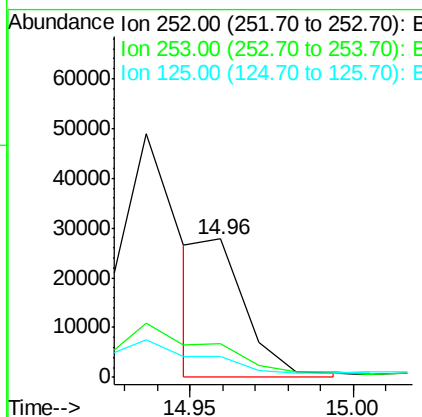
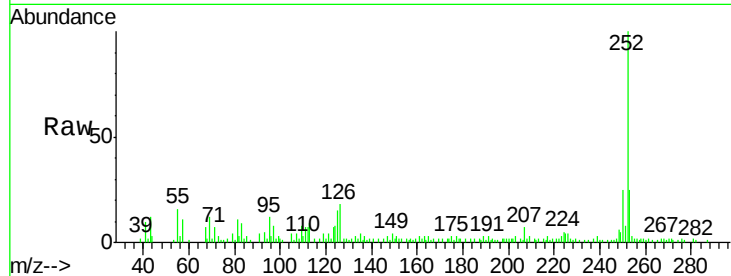
#88
Benzo(k)fluoranthene
Concen: 2.26 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Instrument :
BNA_F
ClientSampleId :
S4-B1(0-11)C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	15.0	11.2	16.8

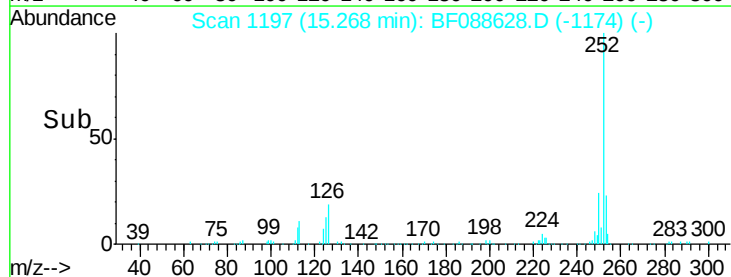
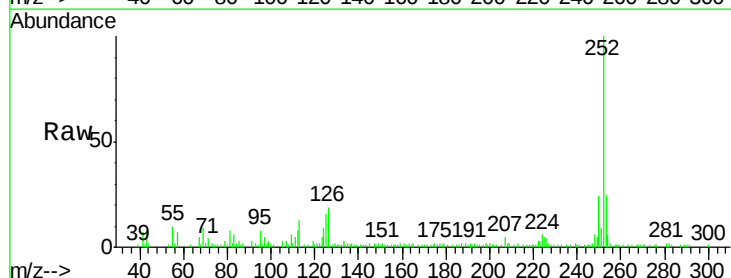
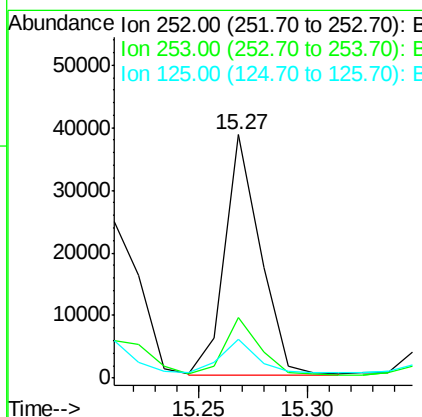
Manual Integrations

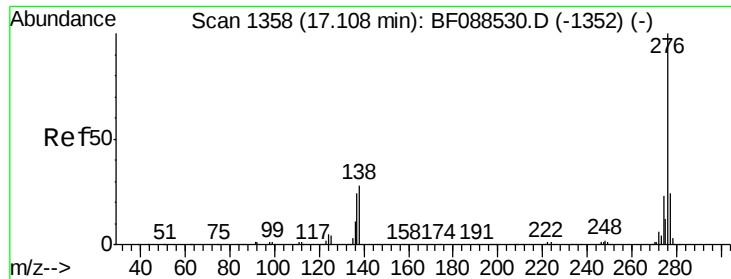
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#89
Benzo(a)pyrene
Concen: 4.02 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088628.D
Acq: 2 Jul 2016 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	15.8	12.5	18.7





#91
 Benzo(g,h,i)perylene
 Concen: 2.55 ng
 RT: 17.06 min Scan# 1354
 Delta R.T. -0.05 min
 Lab File: BF088628.D
 Acq: 2 Jul 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 S4-B1(0-11)C

Tgt Ion:	276	Resp:	23996
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.9	28.3
138	30.8	21.4	32.2

Manual Integrations

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