

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
 Data File : BF088729.D
 Acq On : 6 Jul 2016 4:01
 Operator : UM/SJ
 Sample : H3881-16
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B5-0-11-C

Manual Integrations

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 7/6/2016 7:20:32 PM

Quant Time: Jul 06 13:02:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 06 01:47:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	102680	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	361232	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	156086	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	252295	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	204268	20.00	ng	-0.01
86) Perylene-d12	15.30	264	182042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	575325	83.97	ng	0.00
7) Phenol-d6	6.41	99	652167	73.67	ng	0.00
23) Nitrobenzene-d5	7.34	82	404941	58.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	127235	87.78	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	730596	73.94	ng	0.00
78) Terphenyl-d14	12.87	244	504982	55.06	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	140132	12.60	ng	99
70) Phenanthrene	11.30	178	112394	8.15	ng	99
71) Anthracene	11.36	178	30302	2.21	ng	98
74) Fluoranthene	12.49	202	165754	11.86	ng	95
77) Pyrene	12.72	202	134279	7.75	ng	97
80) Benzo(a)anthracene	13.90	228	69370m	5.27	ng	
82) Chrysene	13.93	228	70894m	5.45	ng	
85) Indeno(1,2,3-cd)pyrene	16.62	276	33508	3.35	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	97314m	8.52	ng	
88) Benzo(k)fluoranthene	14.93	252	20436m	2.06	ng	
89) Benzo(a)pyrene	15.23	252	58109	6.01	ng	98
91) Benzo(a,h,i)perylene	17.02	276	34783	4.16	ng	98

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

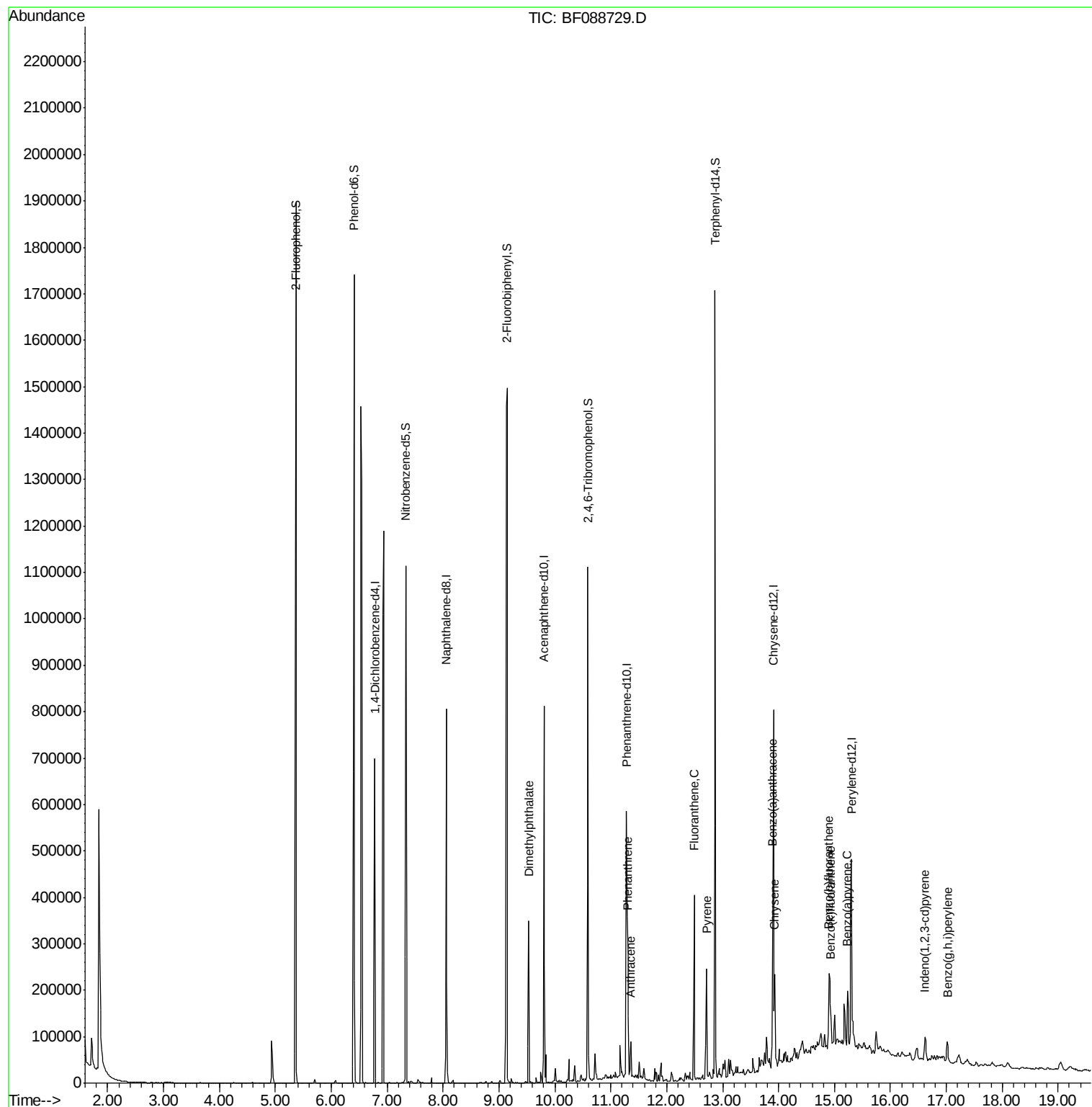
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
Data File : BF088729.D
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Operator : UM/SJ
Sample : H3881-16
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Q6-B5-0-11-C

Manual Integrations

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#1

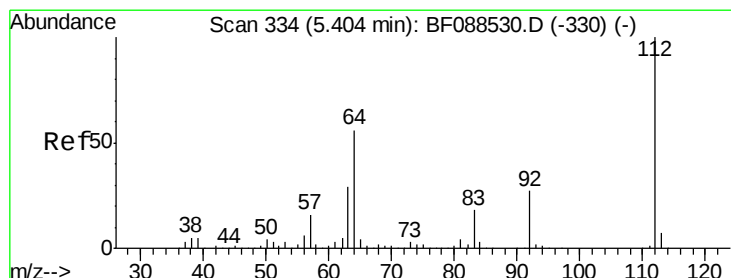
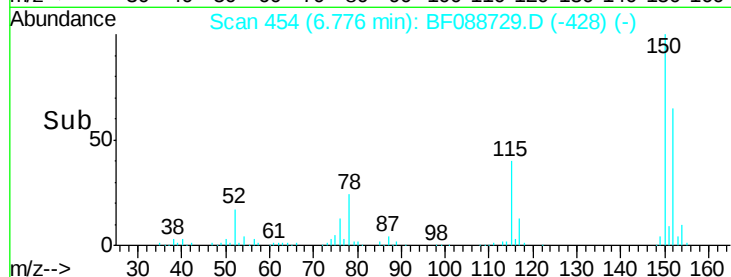
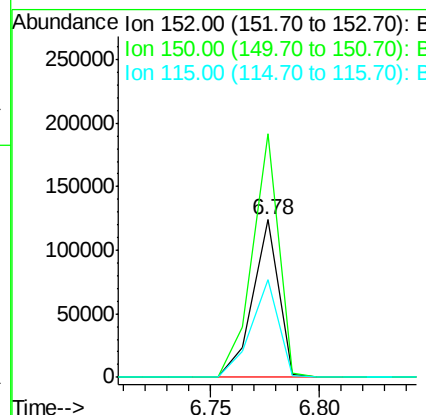
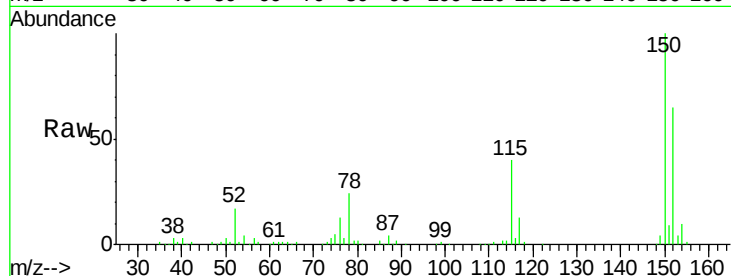
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.78 min Scan# 454
Delta R.T. 0.00 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.6
115	61.7	39.6	59.4

Manual Integrations

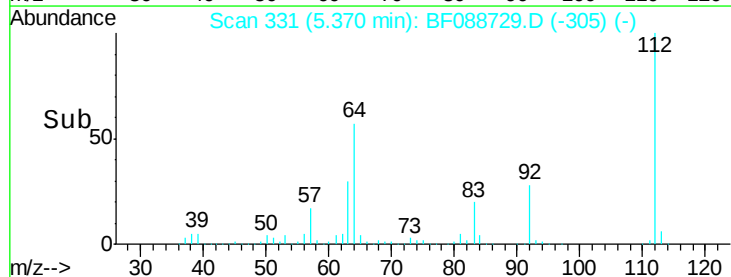
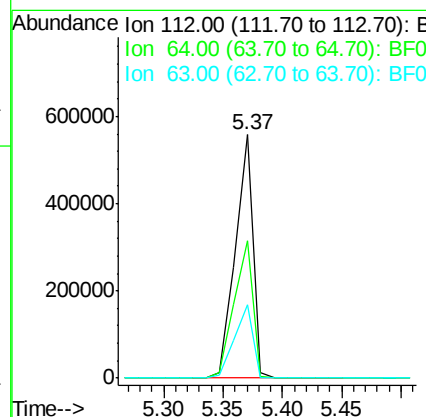
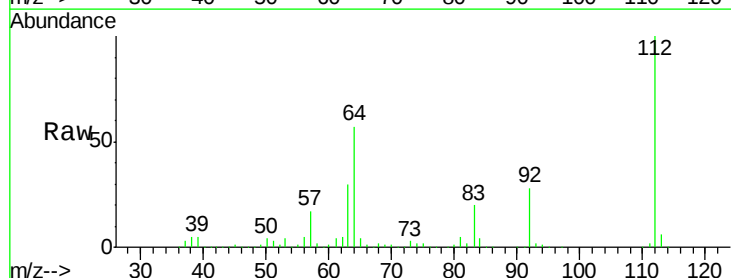
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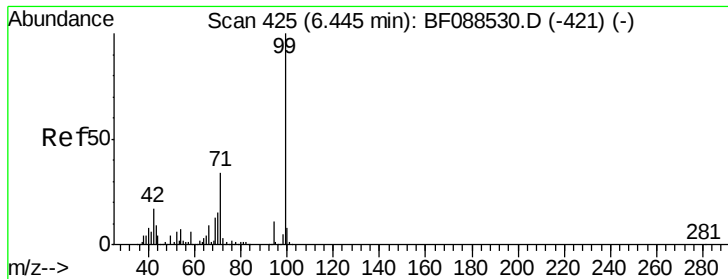


#5

2-Fluorophenol
Concen: 83.97 ng
RT: 5.37 min Scan# 331
Delta R.T. 0.00 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	42.2	63.2
63	29.9	21.8	32.8





#7

Phenol-d6

Concen: 73.67 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088729.D

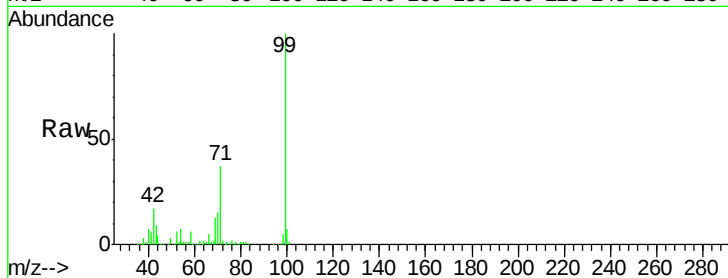
Acq: 6 Jul 2016 4:01

Instrument :

BNA_F

ClientSampleId :

Q6-B5-0-11-C

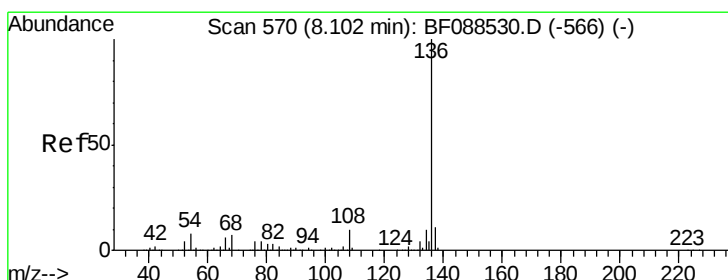
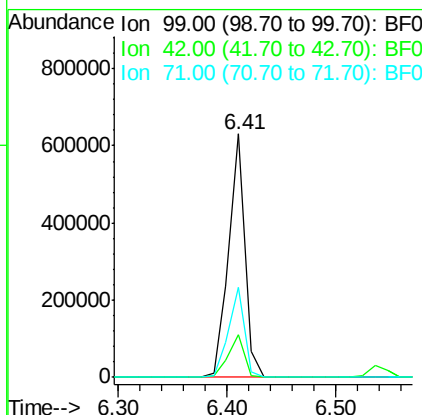
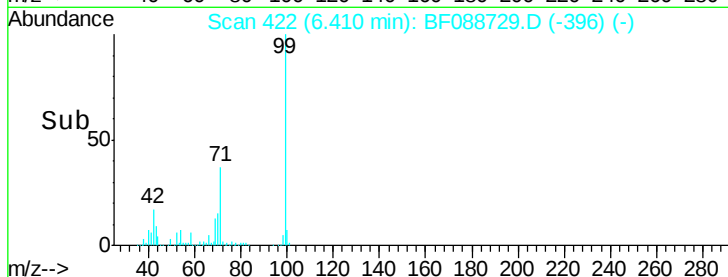


Tot Ion:	99	Resp:	652167
Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.2	18.2
71	36.8	23.4	35.0#

Manual Integrations

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#21

Naphthalene-d8

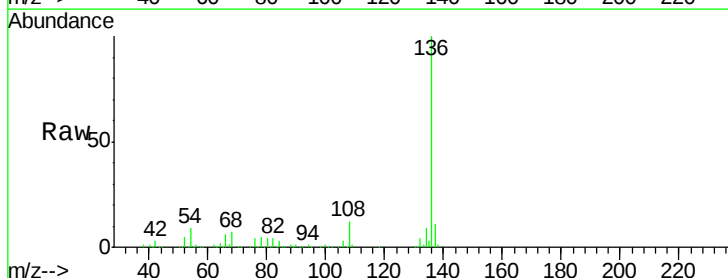
Concen: 20.00 ng

RT: 8.06 min Scan# 566

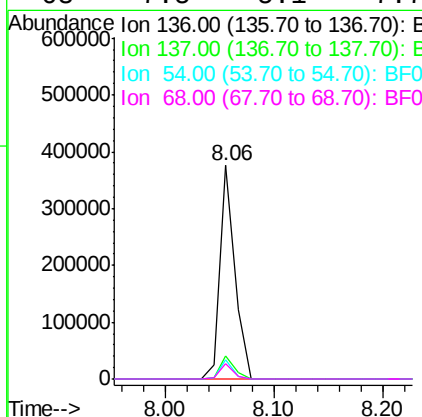
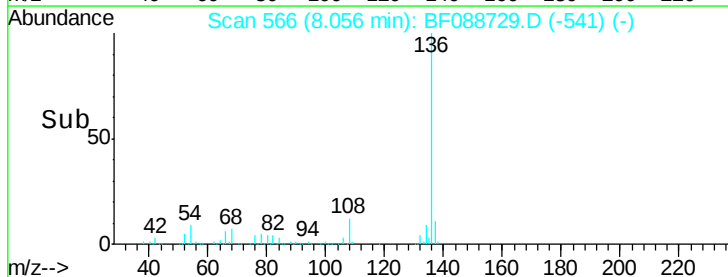
Delta R.T. -0.01 min

Lab File: BF088729.D

Acq: 6 Jul 2016 4:01



Tgt Ion:	136	Resp:	361232
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	9.1	6.6	10.0
68	7.5	5.1	7.7





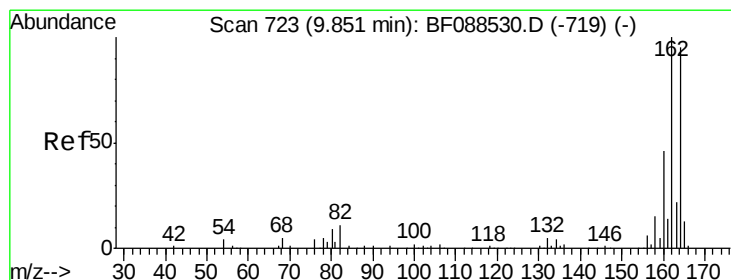
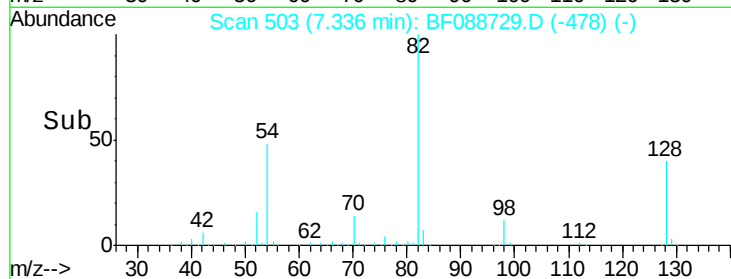
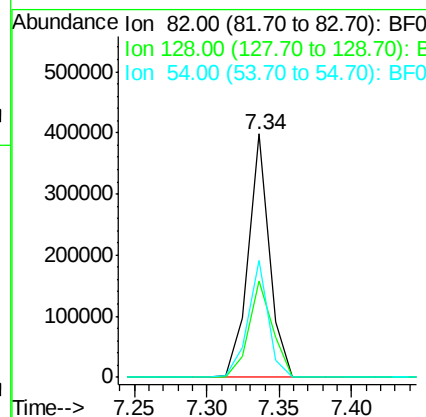
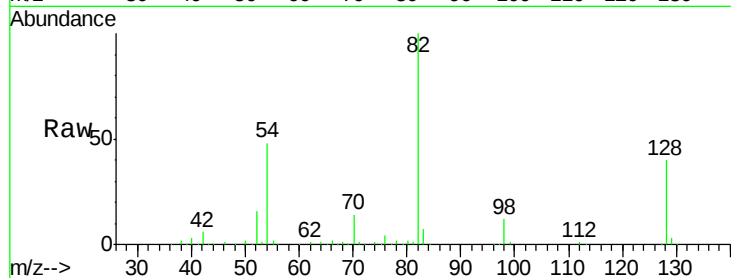
#23
 Nitrobenzene-d5
 Concen: 58.75 ng
 RT: 7.34 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF088729.D
 Acq: 6 Jul 2016 4:01

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B5-0-11-C

Tot Ion	82	Resp	404941
Ion Ratio	100	Lower	Upper
82	100		
128	39.6	35.9	53.9
54	48.3	40.9	61.3

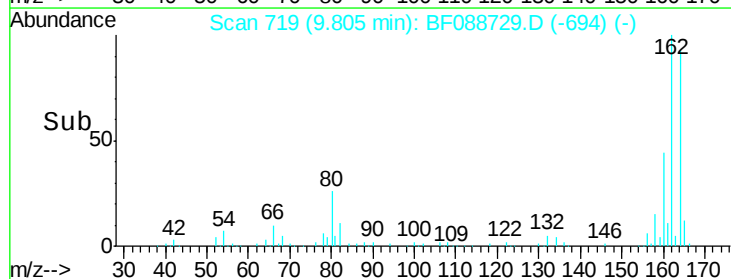
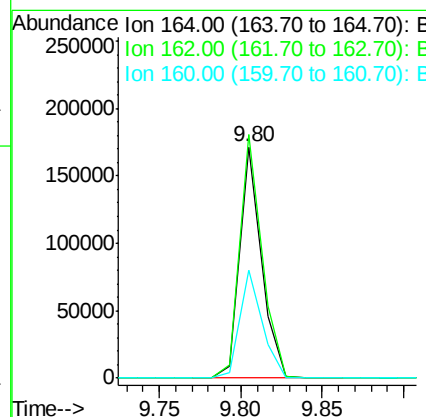
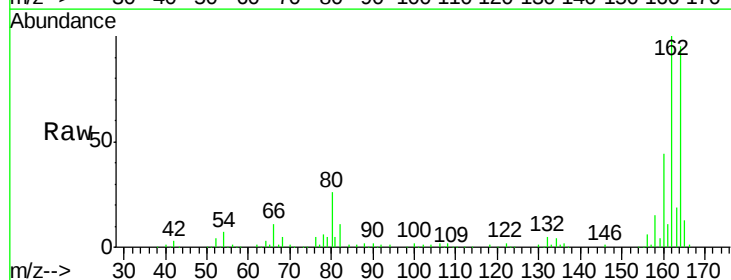
Manual Integrations

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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF088729.D
 Acq: 6 Jul 2016 4:01

Tgt Ion	164	Resp	156086
Ion Ratio	100	Lower	Upper
164	100		
162	105.2	85.4	128.2
160	46.4	39.5	59.3





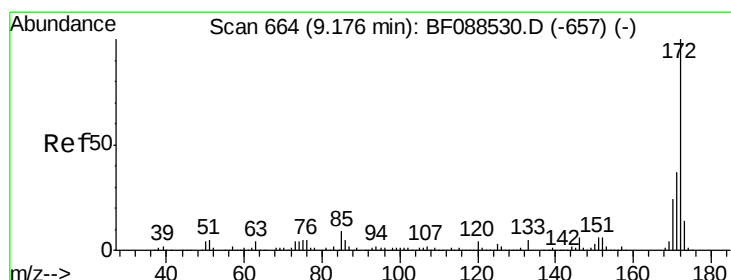
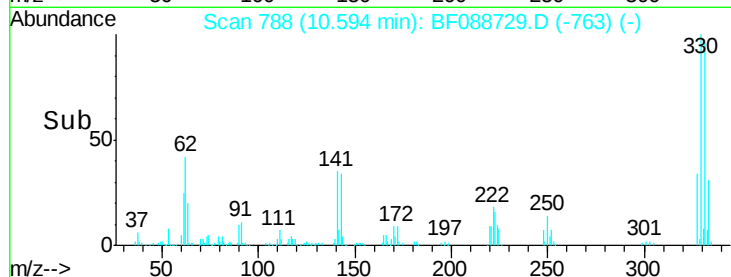
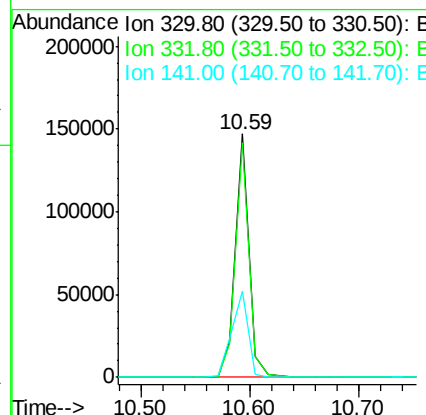
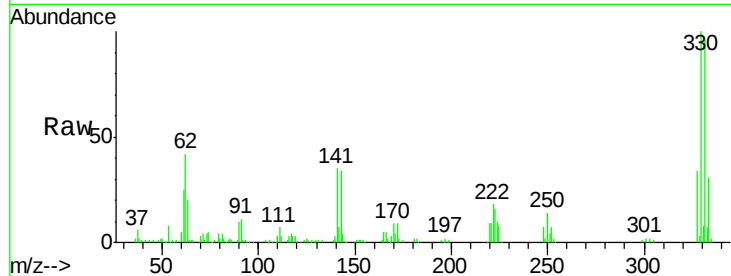
#41
 2,4,6-Tribromophenol
 Concen: 87.78 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088729.D
 Acq: 6 Jul 2016 4:01

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B5-0-11-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	127235		
332	96.0	0.0	0.0	0.0
141	42.2	0.0	0.0	0.0

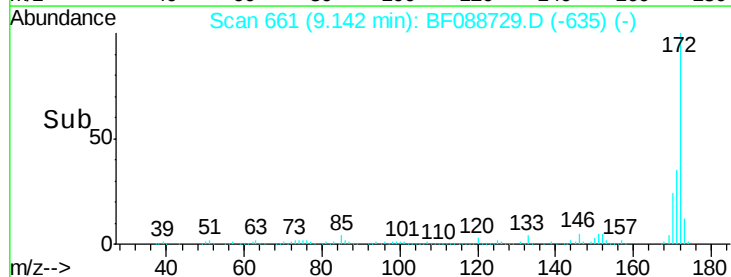
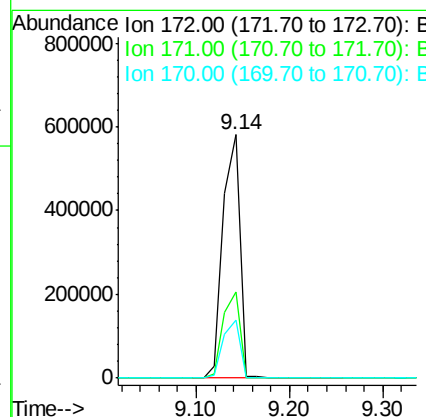
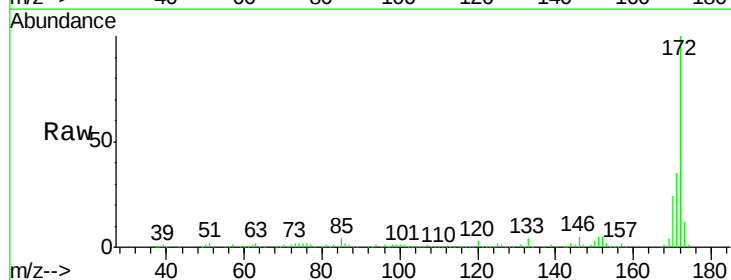
Manual Integrations

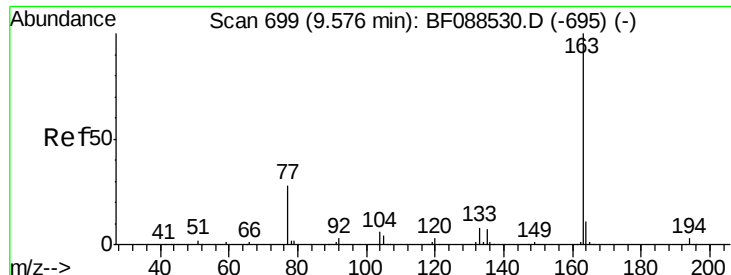
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#44
 2-Fluorobiphenyl
 Concen: 73.94 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088729.D
 Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	730596		
171	35.5	28.6	43.0	
170	23.6	19.2	28.8	





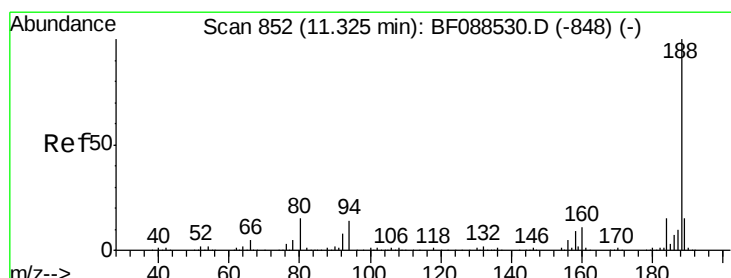
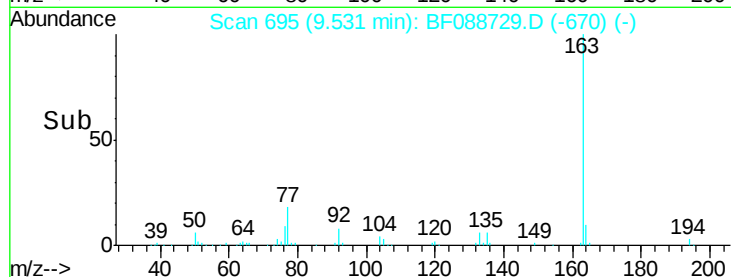
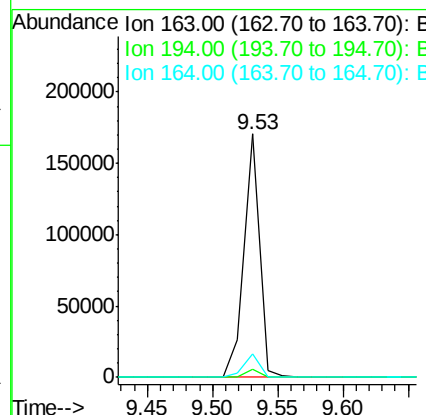
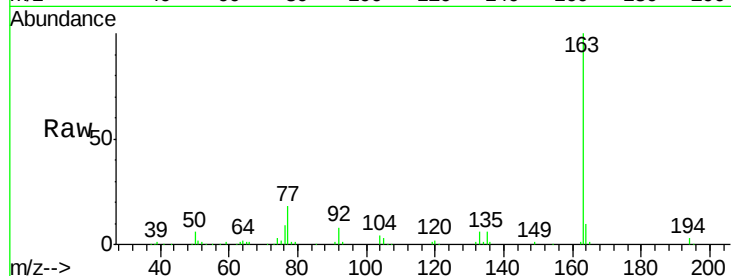
#49
Dimethylphthalate
Concen: 12.60 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100	140132		
194	3.3	2.8	4.2	
164	9.8	8.3	12.5	

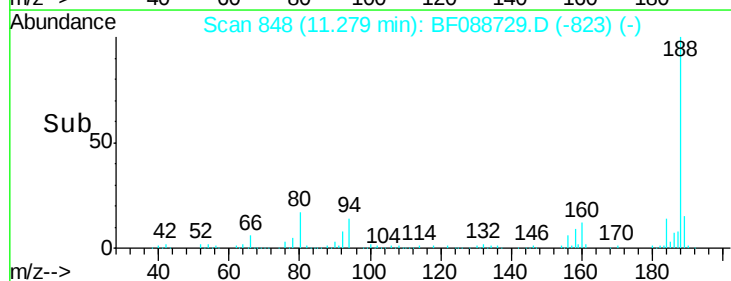
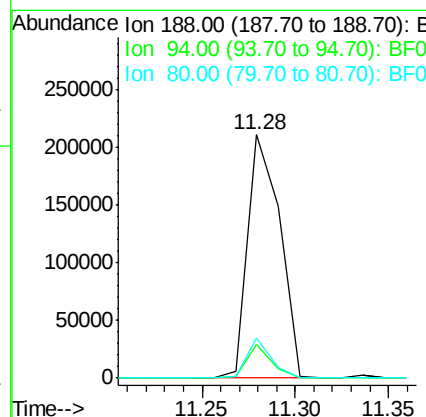
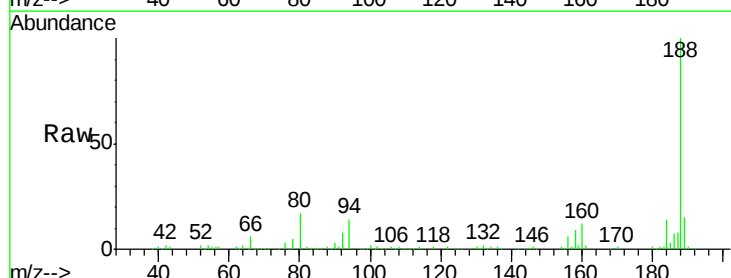
Manual Integrations

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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	252295		
94	14.0	9.0	13.6#	
80	16.6	10.0	15.0#	





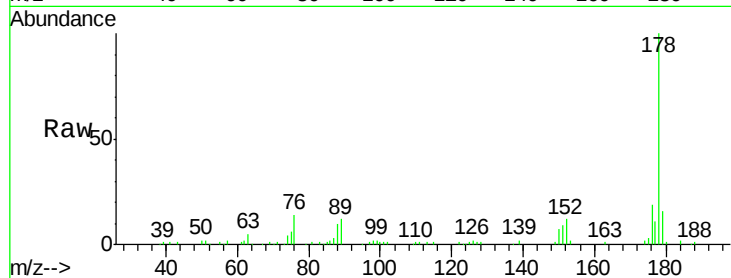
#70
Phenanthrene
Concen: 8.15 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

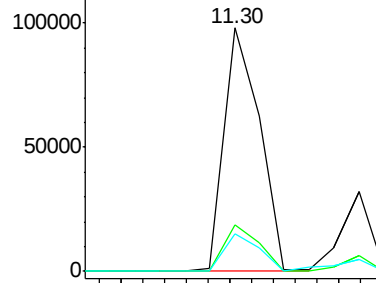
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.6	13.0	19.4

Manual Integrations

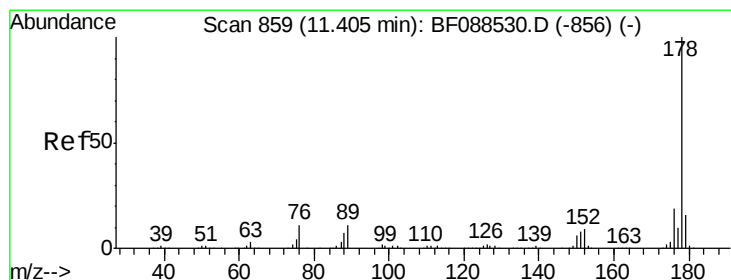
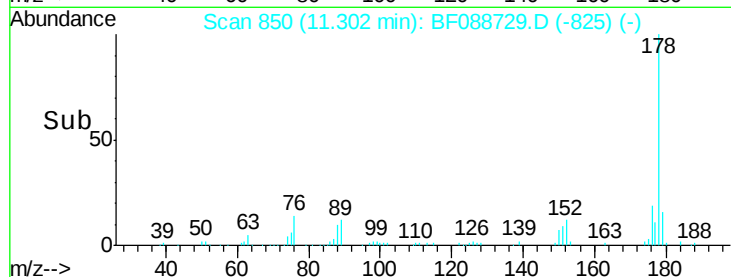
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



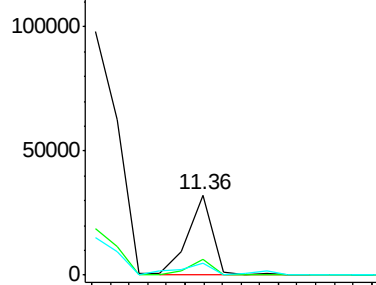
Time-->



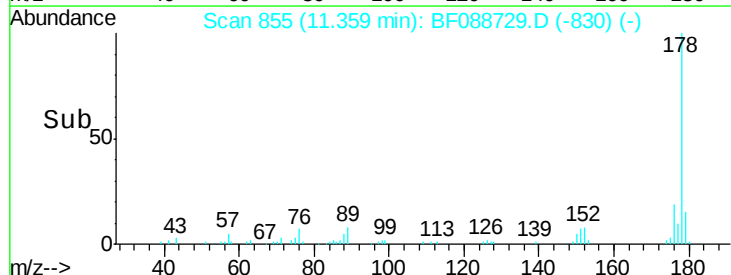
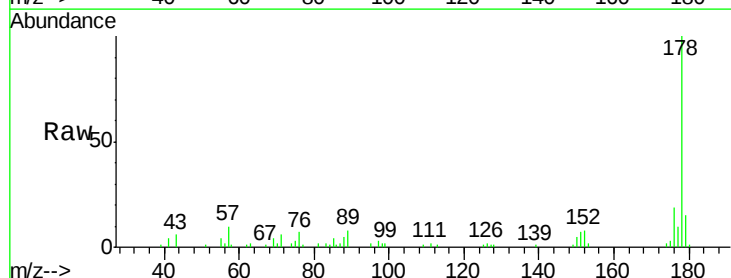
#71
Anthracene
Concen: 2.21 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

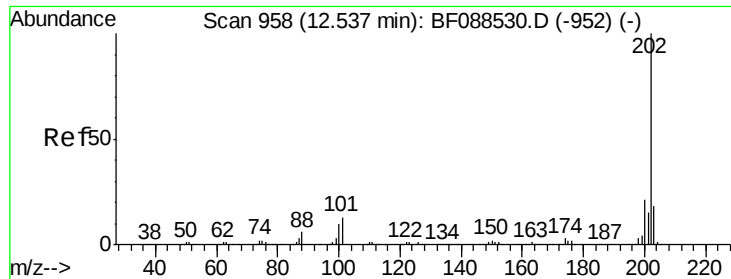
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.1	12.8	19.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 11.86 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF088729.D

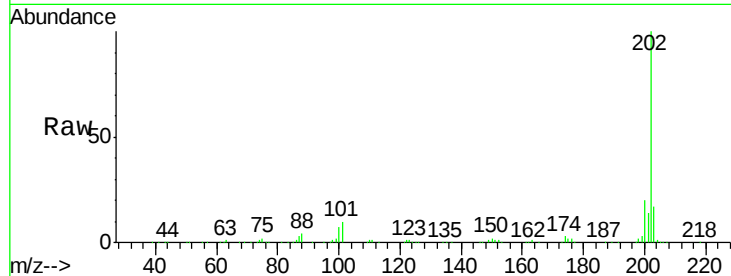
Acq: 6 Jul 2016 4:01

Instrument :

BNA_F

ClientSampleId :

Q6-B5-0-11-C

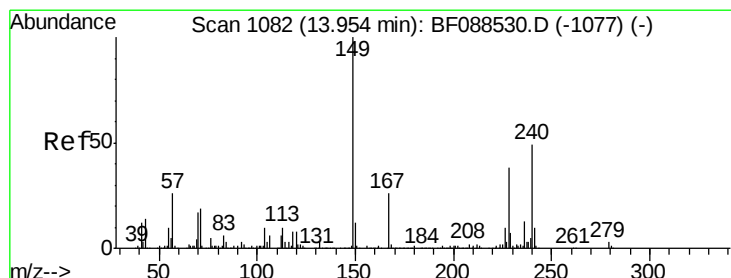
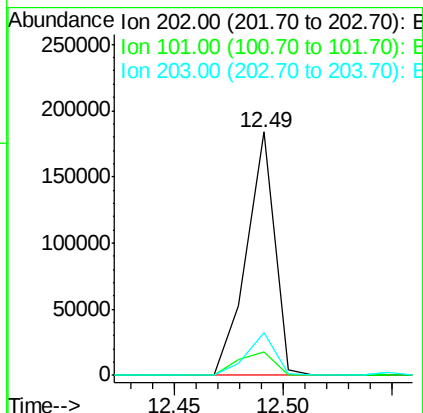
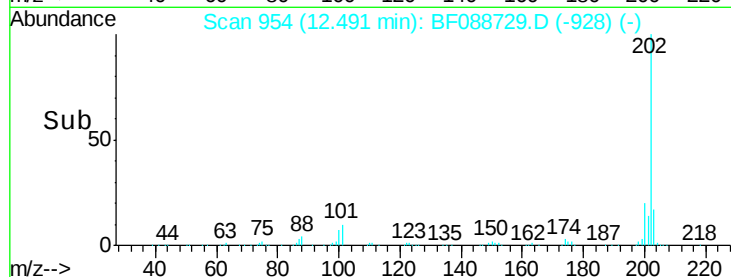


Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		165754		
101	9.6	0.0	33.1		
203	17.5	0.0	38.1		

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

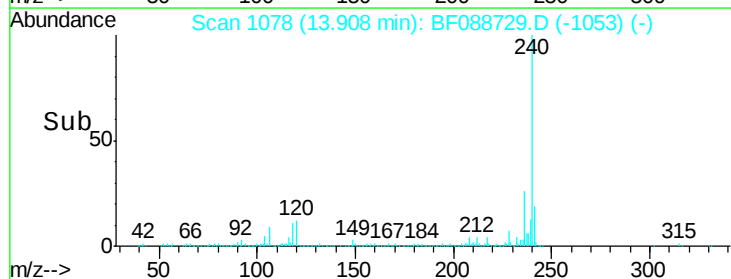
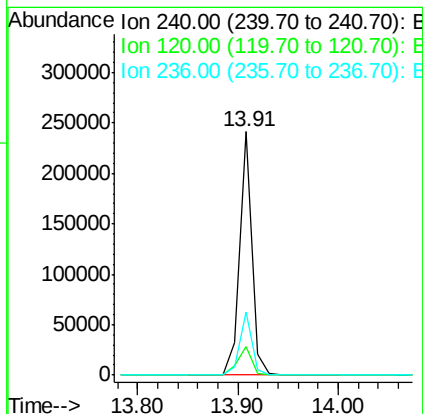
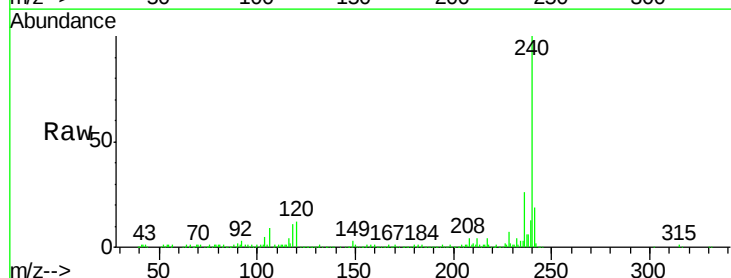
RT: 13.91 min Scan# 1078

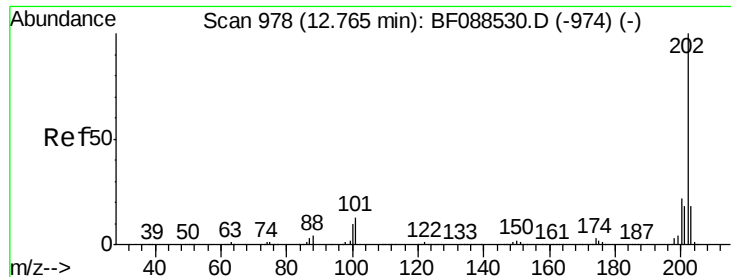
Delta R.T. -0.01 min

Lab File: BF088729.D

Acq: 6 Jul 2016 4:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		204268		
120	11.7	6.8	10.2#		
236	25.8	20.2	30.2		





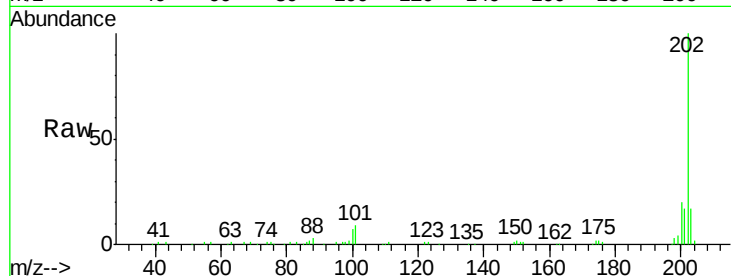
#77
Pvrene
Concen: 7.75 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

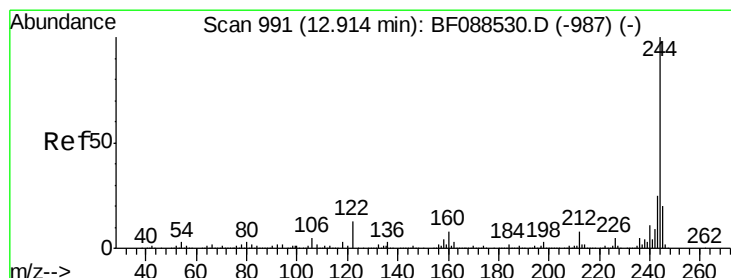
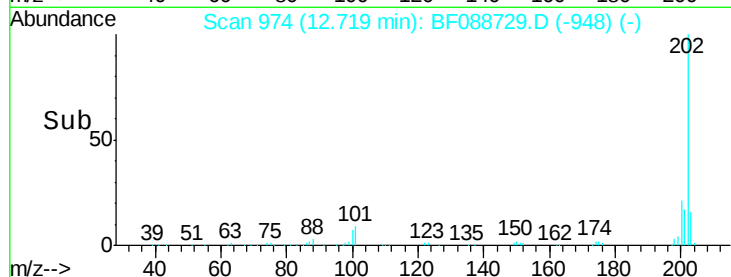
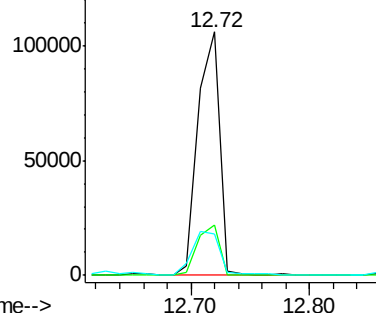
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.8	14.5	21.7

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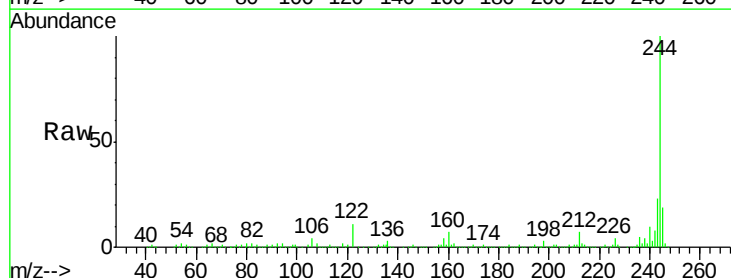


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

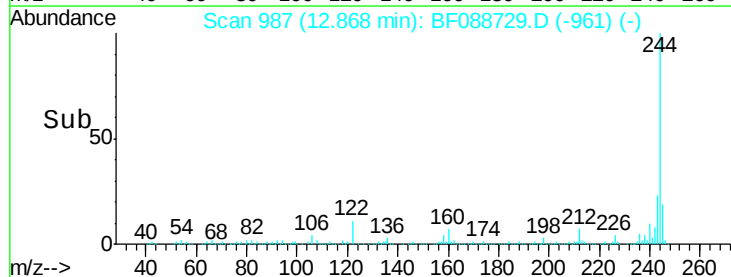
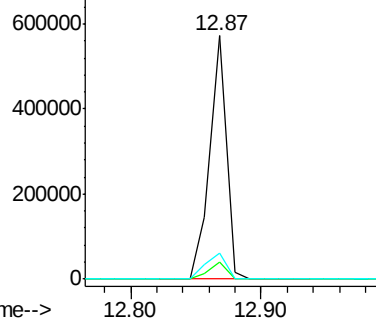


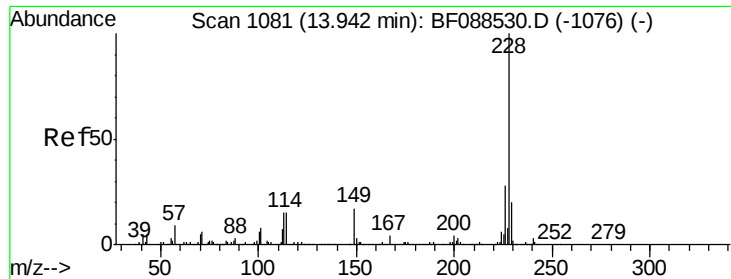
#78
Terphenyl-d14
Concen: 55.06 ng
RT: 12.87 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	10.7	11.2	16.8



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





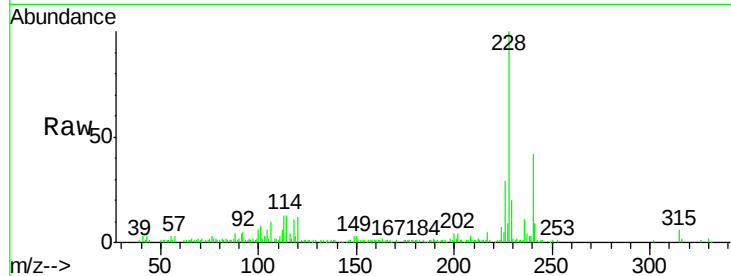
#80
Benzo(a)anthracene
Concen: 5.27 ng m
RT: 13.90 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

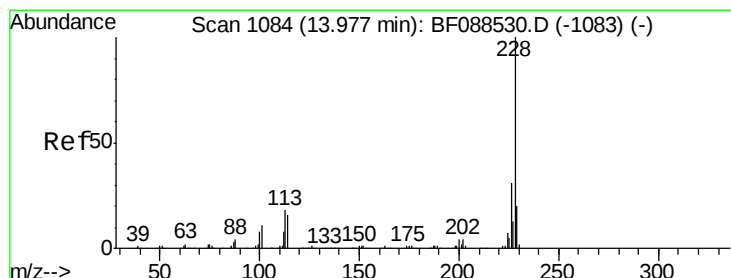
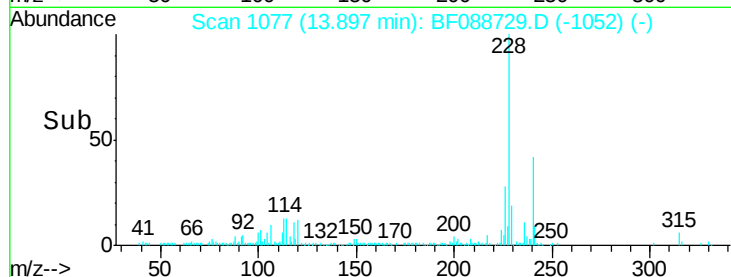
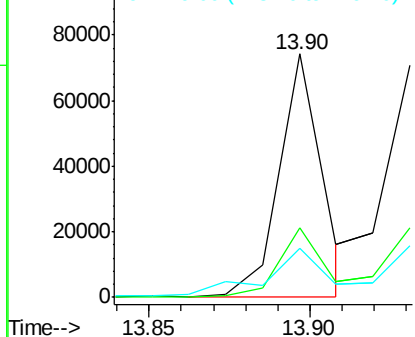
Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	28.6	22.3	33.5	
229	20.2	16.0	24.0	

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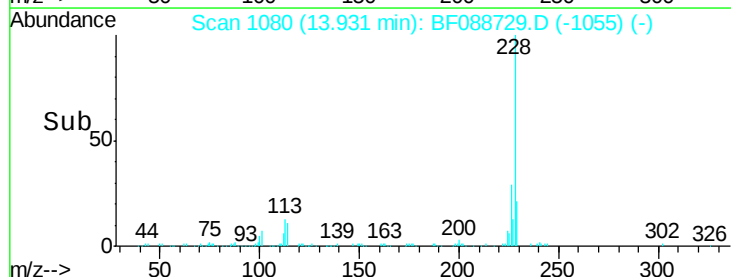
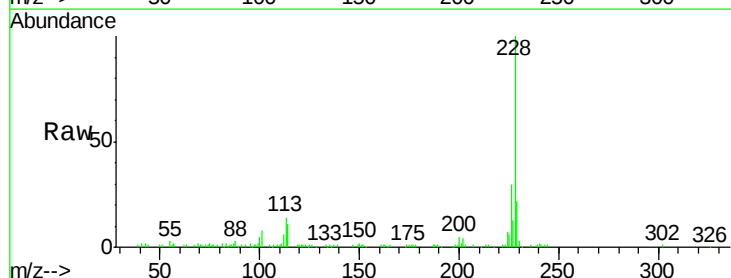
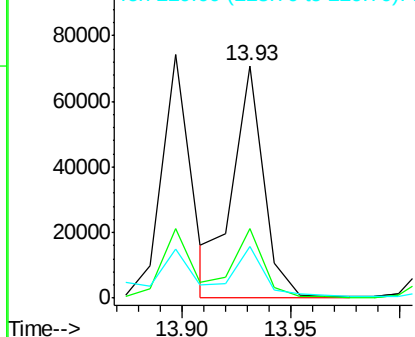
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

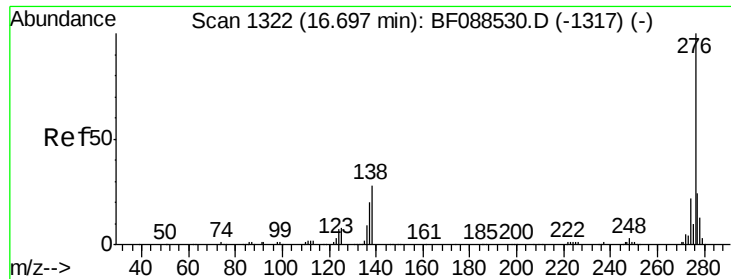


#82
Chrysene
Concen: 5.45 ng m
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	29.8	25.4	38.2	
229	22.3	16.3	24.5	

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





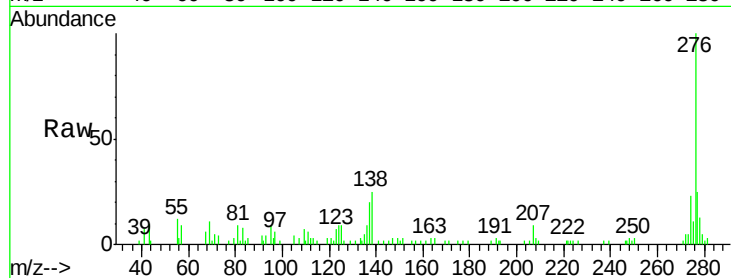
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	0.0	0.0#
277	28.4	0.0	0.0#

Manual Integrations

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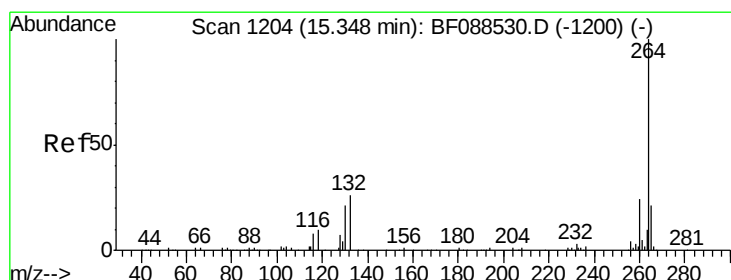
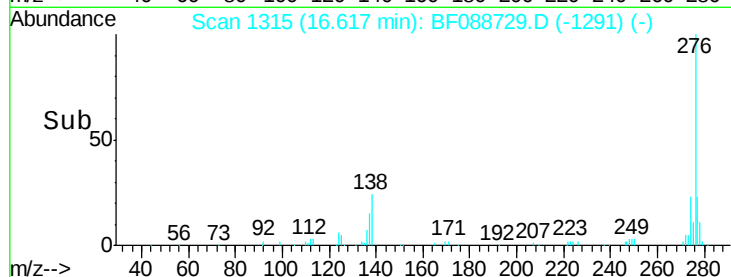
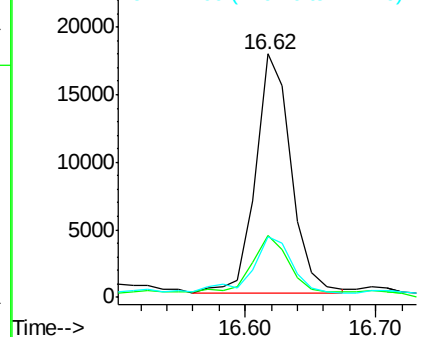


Abundance

Ion 276.00 (275.70 to 276.70): E

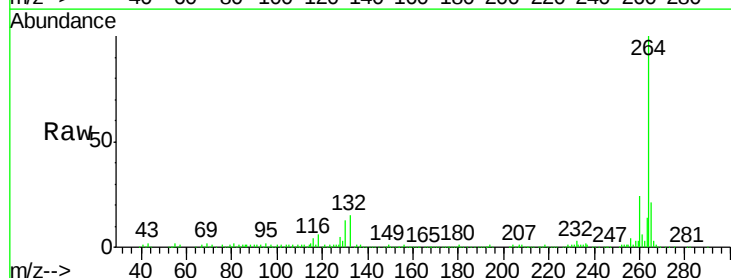
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.4	16.9	25.3

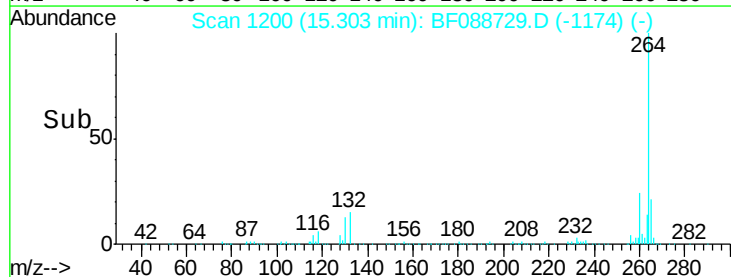
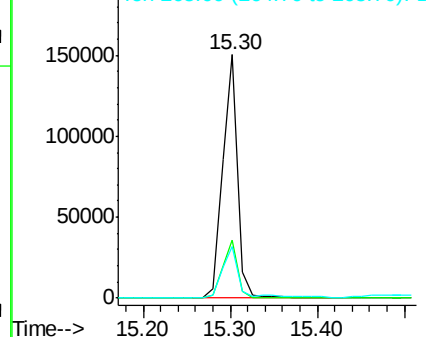


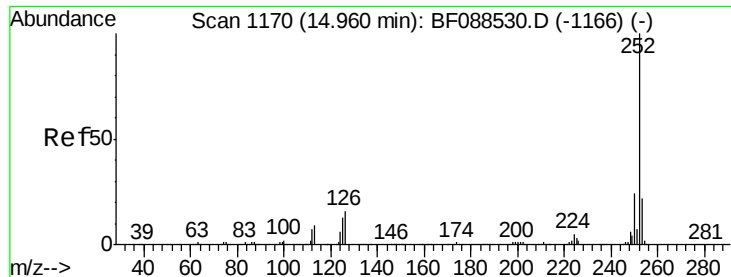
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





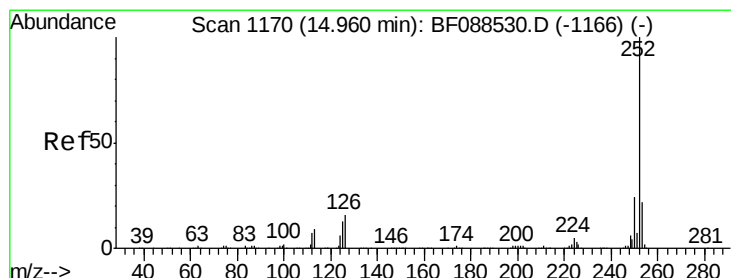
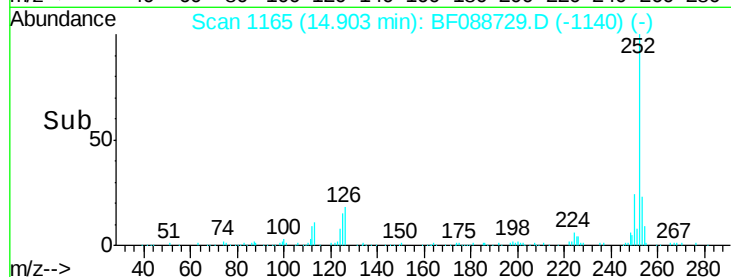
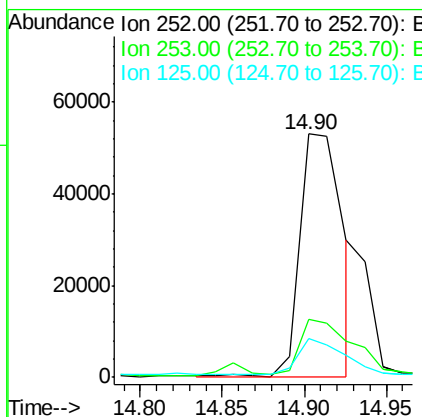
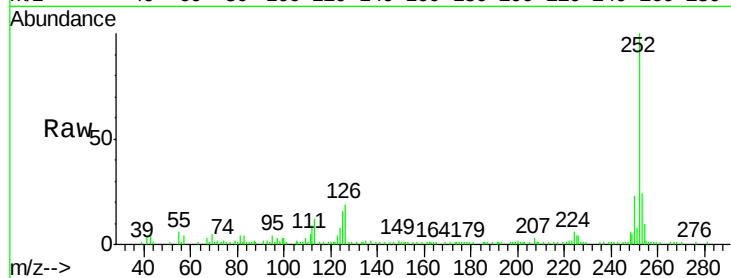
#87
Benzo(b)fluoranthene
Concen: 8.52 ng m
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	15.7	7.1	10.7

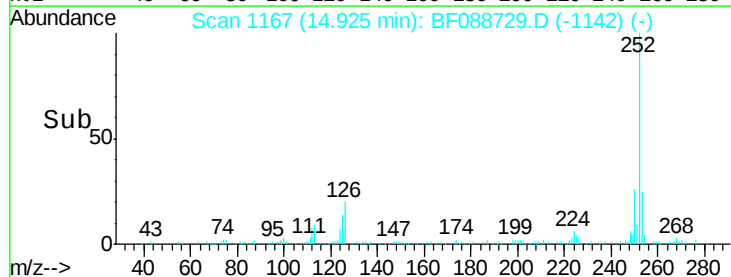
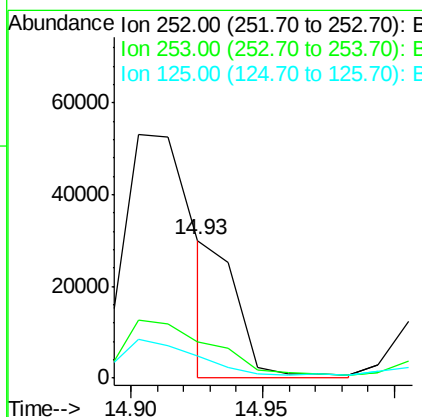
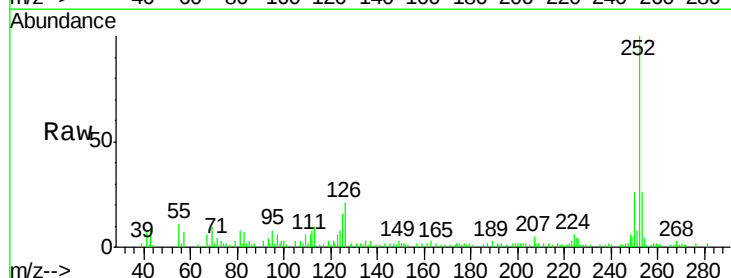
Manual Integrations

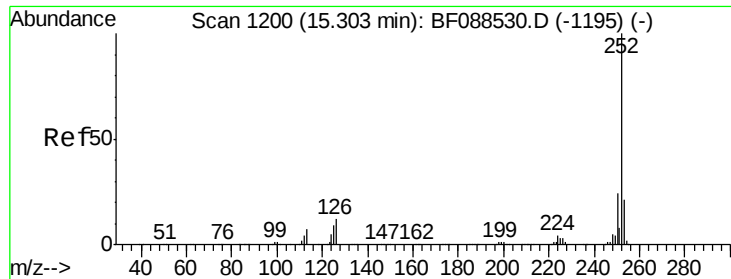
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#88
Benzo(k)fluoranthene
Concen: 2.06 ng m
RT: 14.93 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	16.3	11.2	16.8





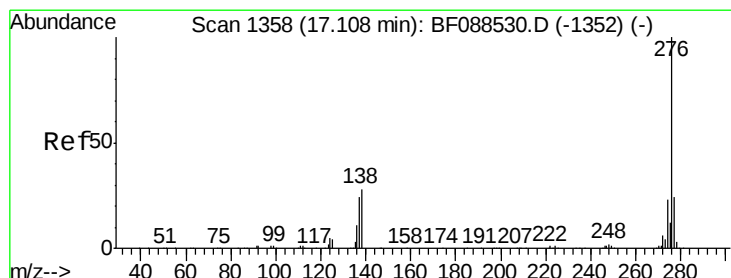
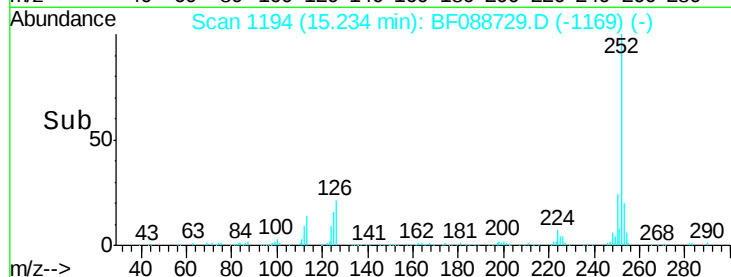
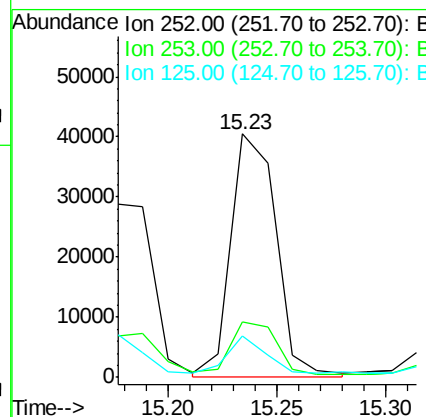
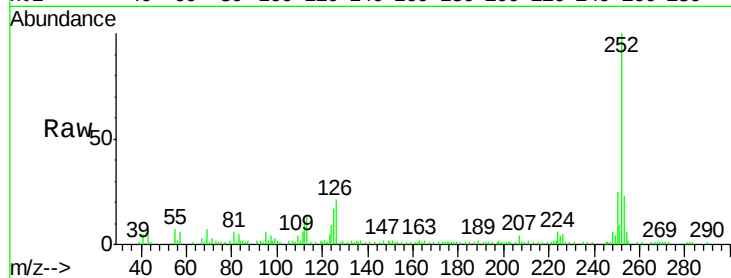
#89
Benzo(a)pyrene
Concen: 6.01 ng
RT: 15.23 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Instrument :
BNA_F
ClientSampleId :
Q6-B5-0-11-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	17.0	12.5	18.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 4.16 ng
RT: 17.02 min Scan# 1350
Delta R.T. -0.02 min
Lab File: BF088729.D
Acq: 6 Jul 2016 4:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.9	28.3
138	26.8	21.4	32.2

