

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
 Data File : BF088726.D
 Acq On : 6 Jul 2016 2:33
 Operator : UM/SJ
 Sample : H3881-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q5-B1-0-11-C

Manual Integrations

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Quant Time: Jul 06 12:54:57 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	107537	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	383722	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	168854	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	264613	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	197864	20.00	ng	-0.01
86) Perylene-d12	15.30	264	193099	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	619720	86.37	ng	0.00
7) Phenol-d6	6.41	99	847682	91.43	ng	0.00
23) Nitrobenzene-d5	7.34	82	513348	70.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	159286	101.59	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	875464	81.90	ng	0.00
78) Terphenyl-d14	12.87	244	553746	62.33	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.53	163	183376	15.24	ng	98
70) Phenanthrene	11.30	178	142980	9.88	ng	98
71) Anthracene	11.36	178	36667	2.55	ng	97
74) Fluoranthene	12.49	202	131088	8.94	ng	95
77) Pyrene	12.71	202	116007	6.91	ng	96
80) Benzo(a)anthracene	13.90	228	58243	4.57	ng	99
82) Chrysene	13.93	228	37555	2.98	ng	96
85) Indeno(1,2,3-cd)pyrene	16.62	276	22098	2.28	ng	# 100
87) Benzo(b)fluoranthene	14.90	252	63813m	5.27	ng	
89) Benzo(a)pyrene	15.23	252	39050	3.81	ng	96
91) Benzo(g,h,i)perylene	17.02	276	21966	2.48	ng	98

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

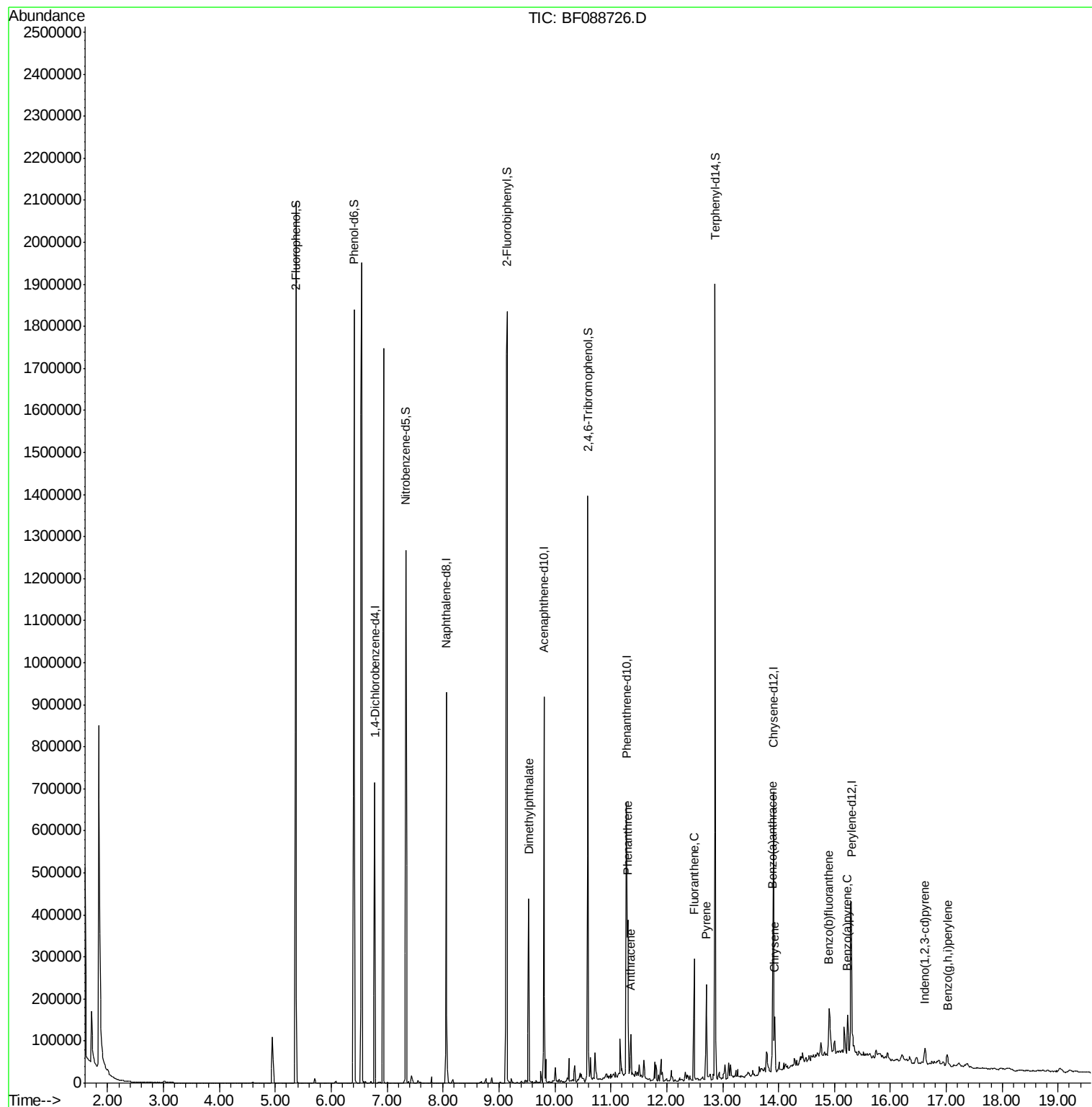
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070516\
Data File : BF088726.D
Acq On : 6 Jul 2016 2:33
Operator : UM/SJ
Sample : H3881-11
Misc :
ALS Vial : 21 Sample Multiplier: 1

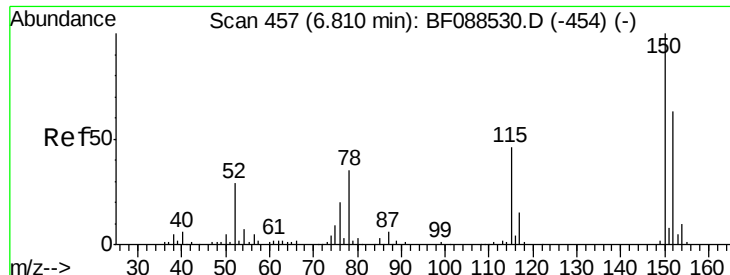
Instrument :
BNA_F
ClientSampleId :
Q5-B1-0-11-C

Manual Integrations

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Quant Time: Jul 06 12:54:57 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

Instrument :

BNA_F

ClientSampleId :

Q5-B1-0-11-C

Tot Ion:152 Resp: 107537

Ion Ratio Lower Upper

152 100

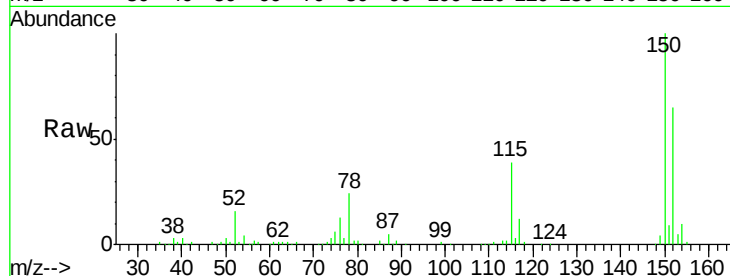
150 154.1 123.8 185.6

115 60.1 39.6 59.4#

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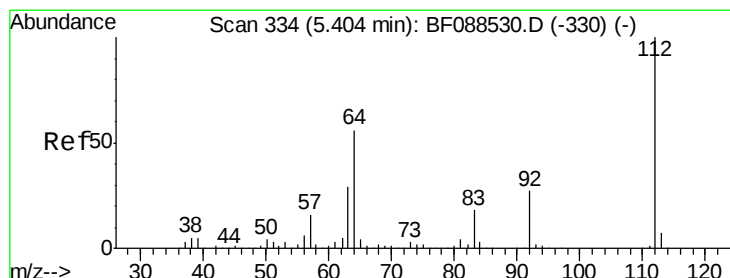
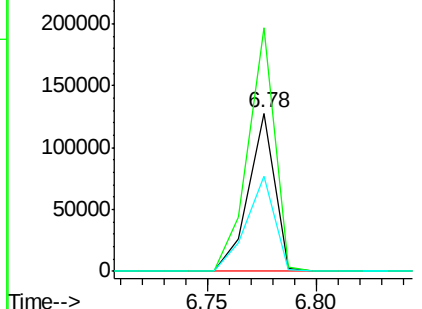
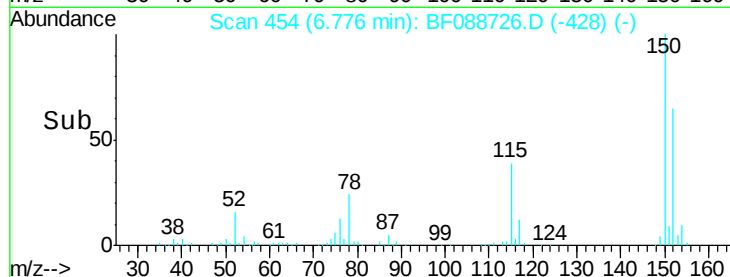
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 86.37 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.00 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

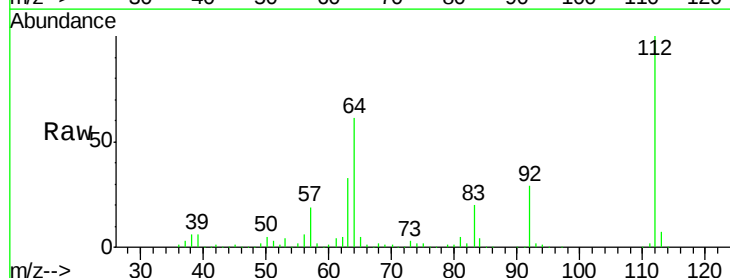
Tgt Ion:112 Resp: 619720

Ion Ratio Lower Upper

112 100

64 61.4 42.2 63.2

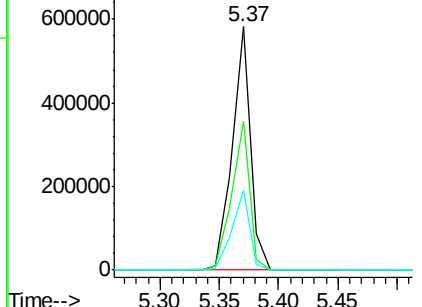
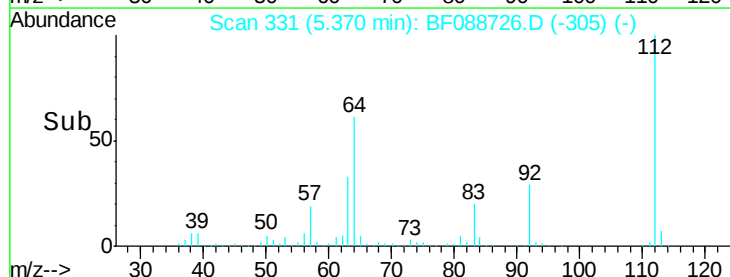
63 32.5 21.8 32.8

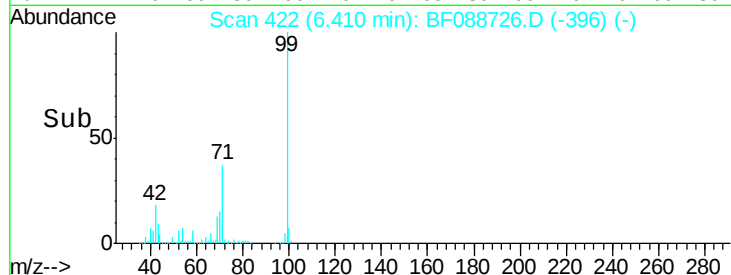
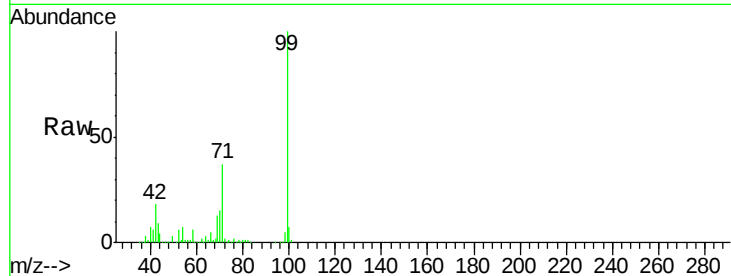
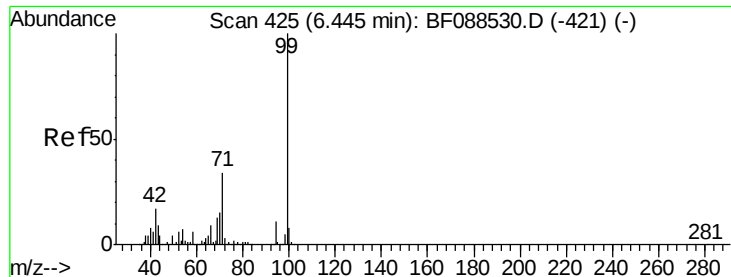


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.43 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

Tot Ion: 99 Resp: 847682

Ion Ratio Lower Upper

99 100

42 17.6 12.2 18.2

71 37.4 23.4 35.0#

Instrument :

BNA_F

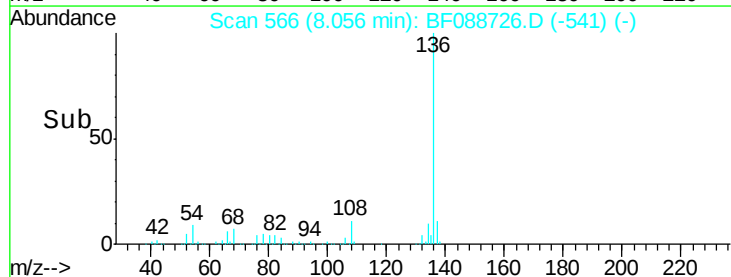
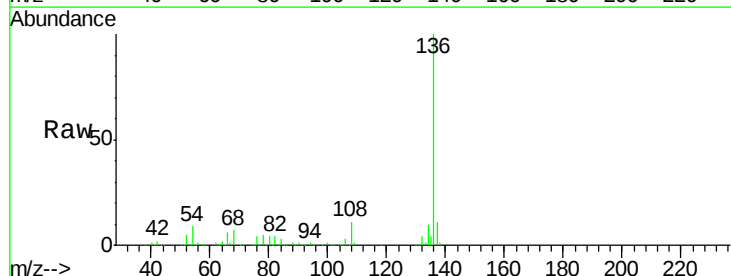
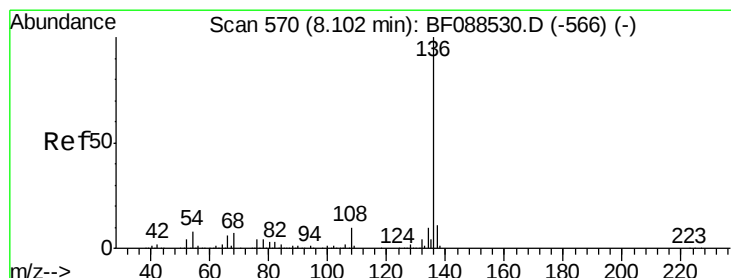
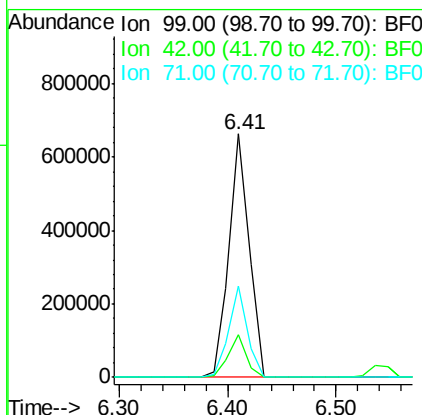
ClientSampleId :

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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: BF088726.D

Acq: 6 Jul 2016 2:33

Tgt Ion: 136 Resp: 383722

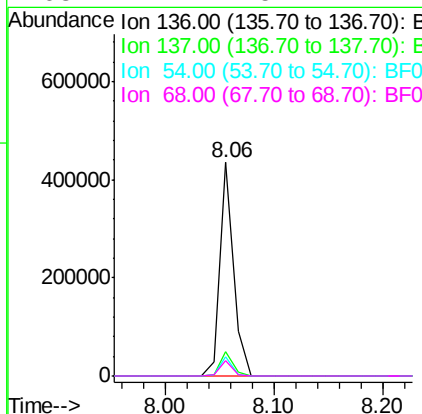
Ion Ratio Lower Upper

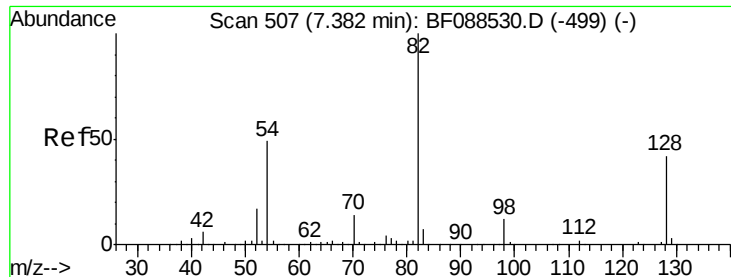
136 100

137 11.4 9.1 13.7

54 8.9 6.6 10.0

68 7.4 5.1 7.7





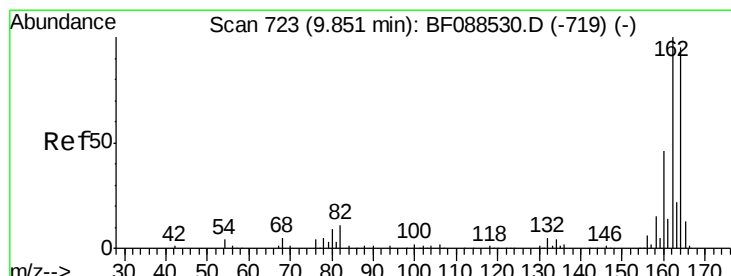
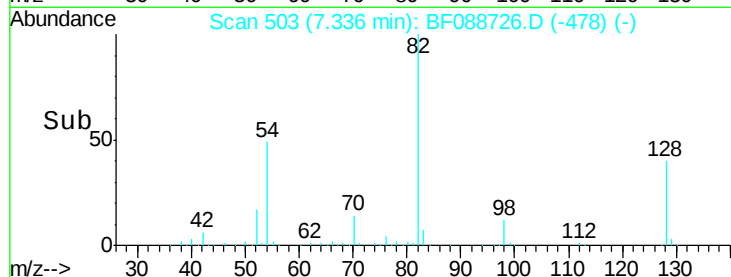
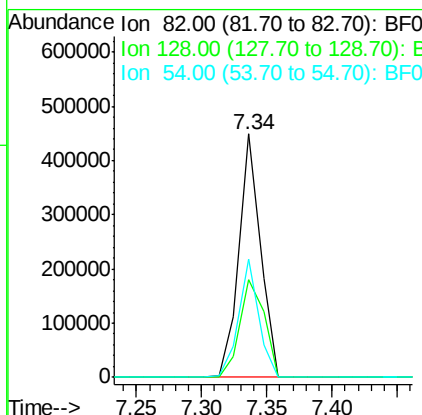
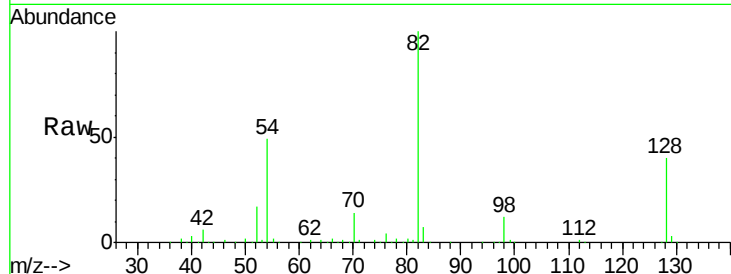
#23
 Nitrobenzene-d5
 Concen: 70.11 ng
 RT: 7.34 min Scan# 503
 Delta R.T. -0.01 min
 Lab File: BF088726.D
 Acq: 6 Jul 2016 2:33

Instrument :
 BNA_F
 ClientSampleId :
 Q5-B1-0-11-C

Tot Ion:	82	Resp:	513348
Ion Ratio	Lower	Upper	
82	100		
128	40.1	35.9	53.9
54	48.8	40.9	61.3

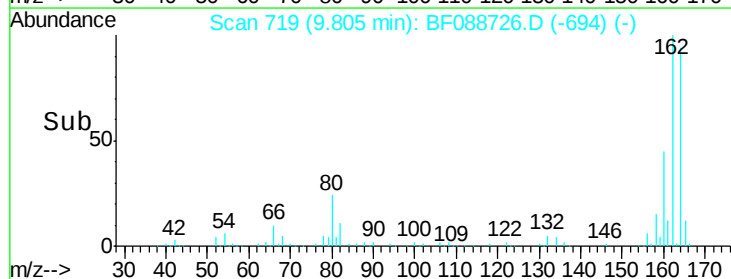
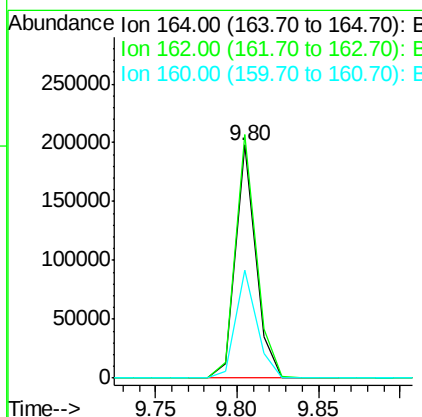
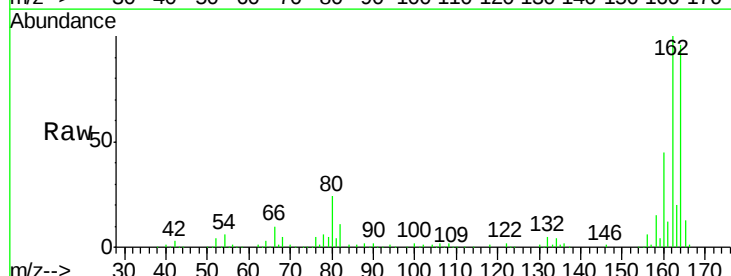
Manual Integrations

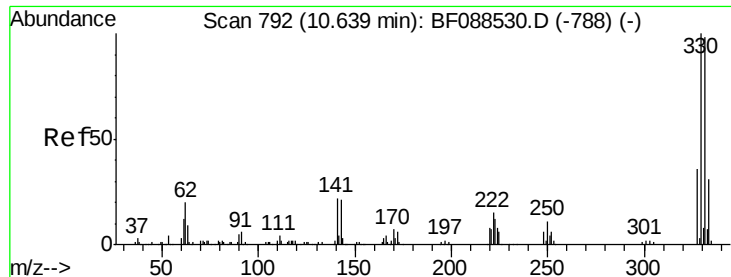
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 719
 Delta R.T. -0.01 min
 Lab File: BF088726.D
 Acq: 6 Jul 2016 2:33

Tgt Ion:	164	Resp:	168854
Ion Ratio	Lower	Upper	
164	100		
162	104.6	85.4	128.2
160	46.6	39.5	59.3





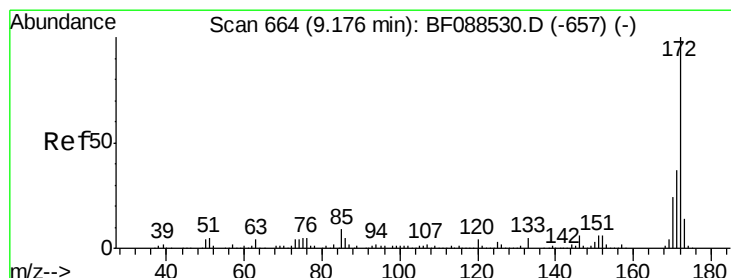
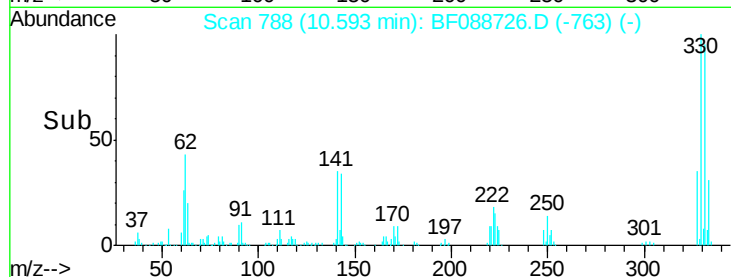
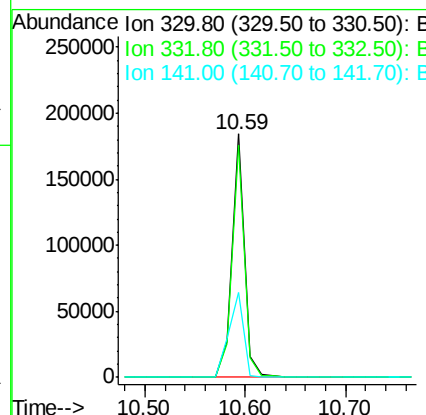
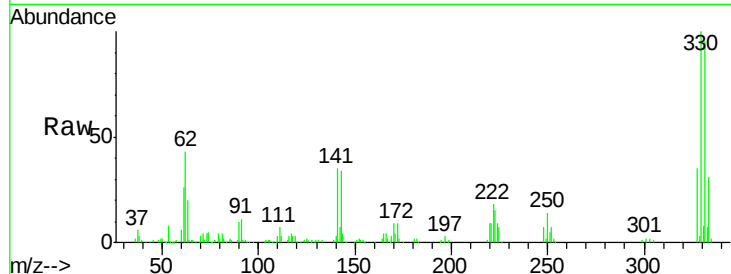
#41
 2,4,6-Tribromophenol
 Concen: 101.59 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088726.D
 Acq: 6 Jul 2016 2:33

Instrument :
 BNA_F
 ClientSampleId :
 Q5-B1-0-11-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	159286		
332	95.5	0.0	0.0	0.0
141	42.2	0.0	0.0	0.0

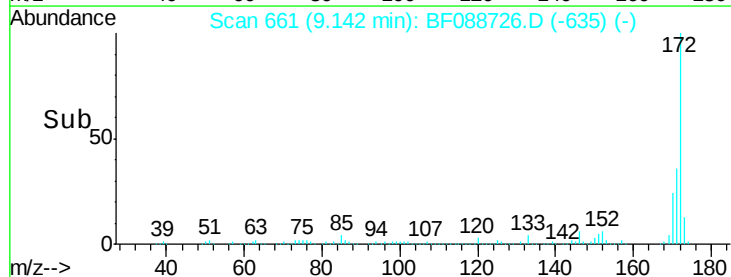
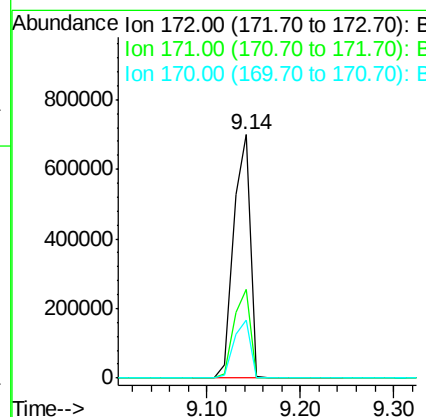
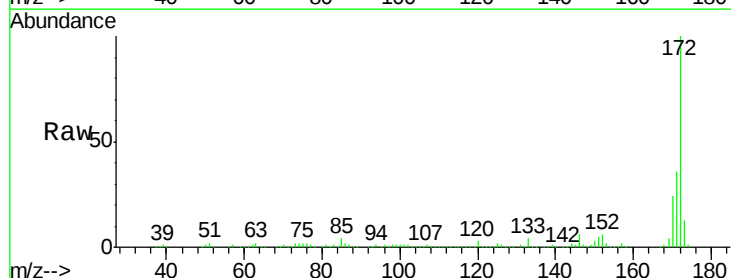
Manual Integrations

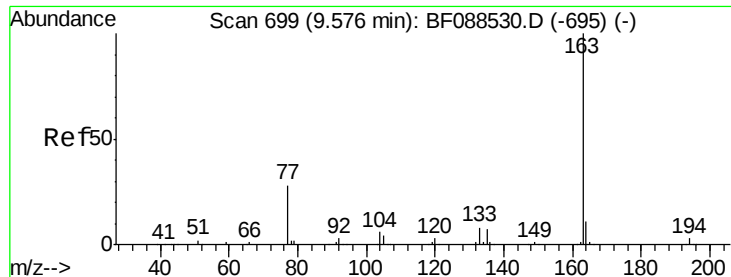
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#44
 2-Fluorobiphenyl
 Concen: 81.90 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088726.D
 Acq: 6 Jul 2016 2:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	875464		
171	36.2	28.6	43.0	
170	23.9	19.2	28.8	





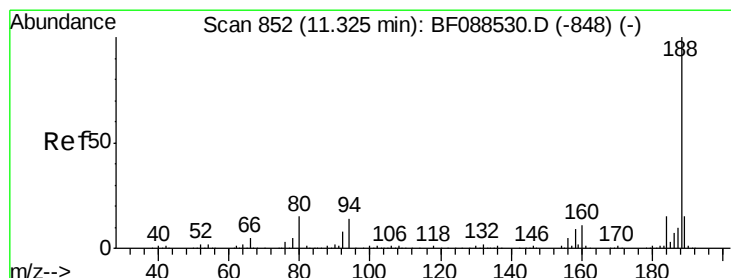
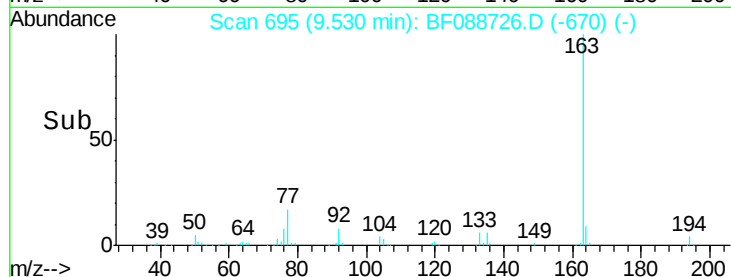
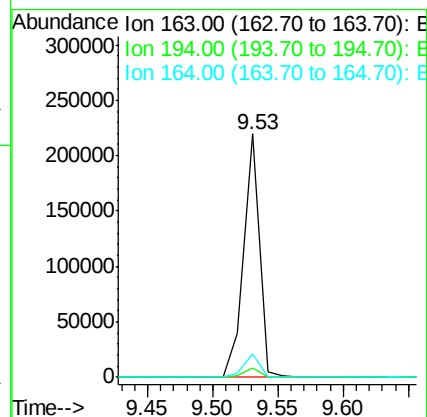
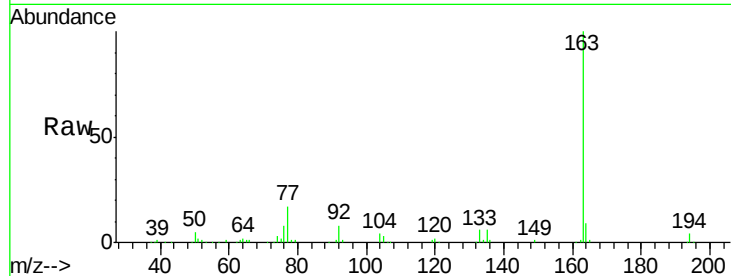
#49
Dimethylphthalate
Concen: 15.24 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

Instrument :
BNA_F
ClientSampleId :
Q5-B1-0-11-C

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.4	8.3	12.5

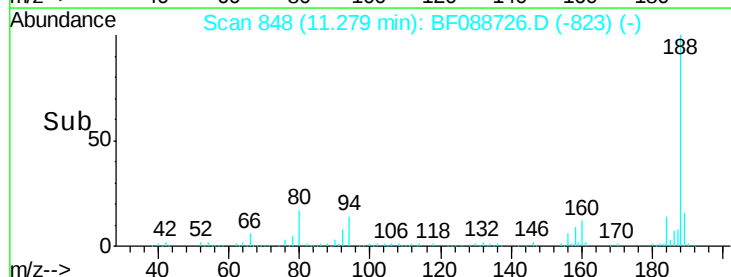
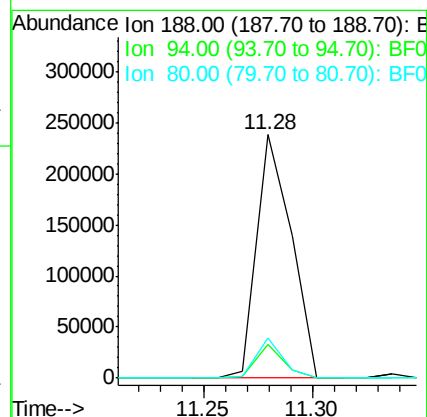
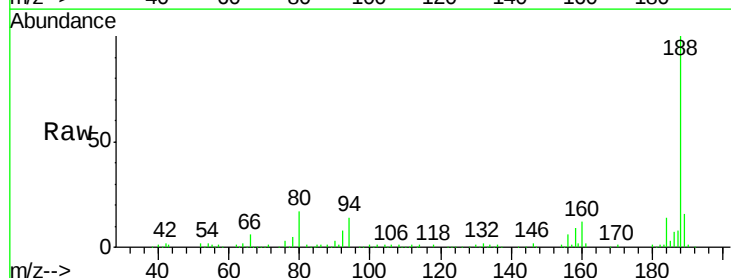
Manual Integrations

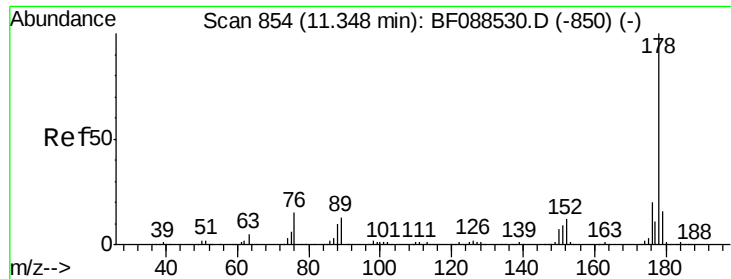
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

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





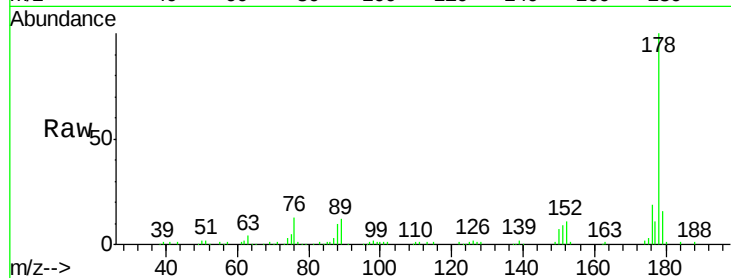
#70
Phenanthrene
Concen: 9.88 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

Instrument :
BNA_F
ClientSampleId :
Q5-B1-0-11-C

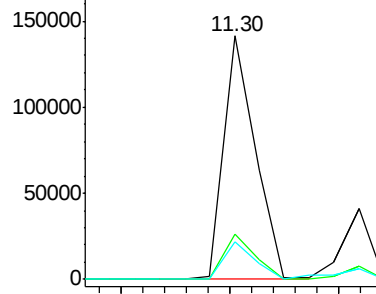
Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.5	15.8	23.6	
179	15.7	13.0	19.4	

Manual Integrations

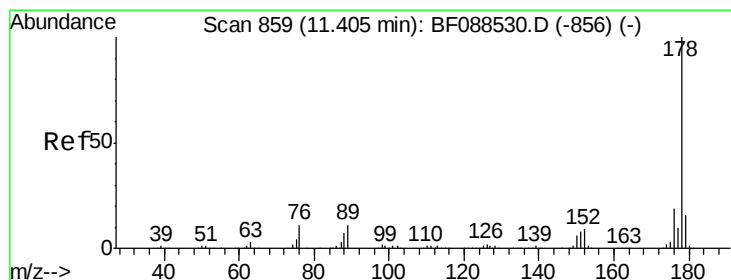
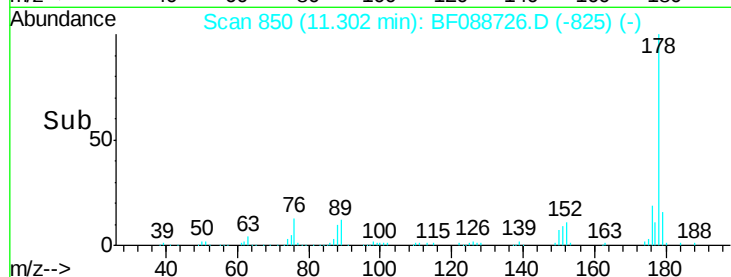
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



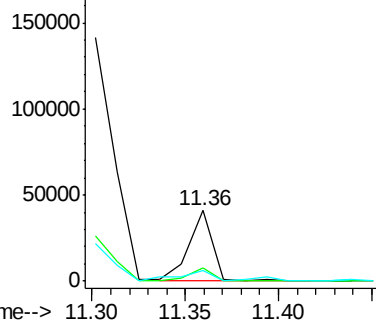
Time-->



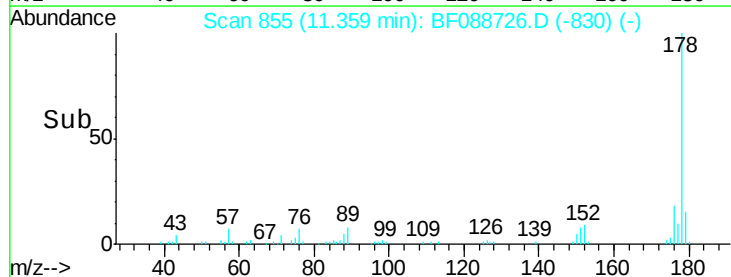
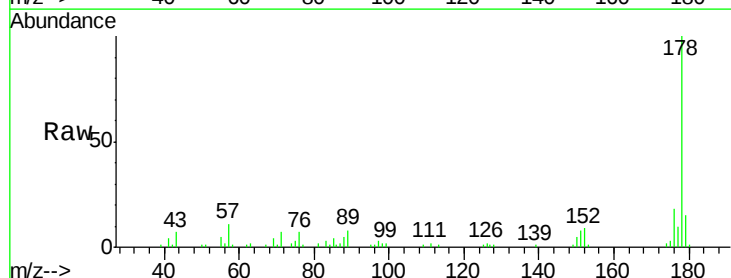
#71
Anthracene
Concen: 2.55 ng
RT: 11.36 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

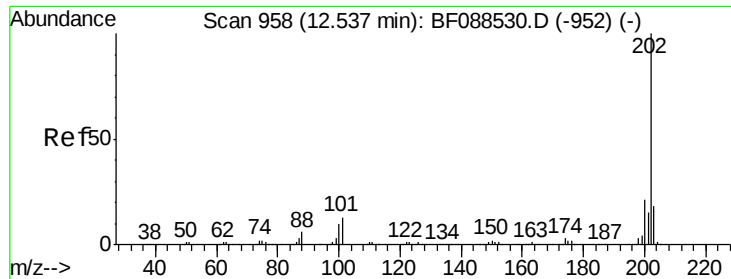
Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.0	15.6	23.4	
179	14.6	12.8	19.2	

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: 8.94 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF088726.D

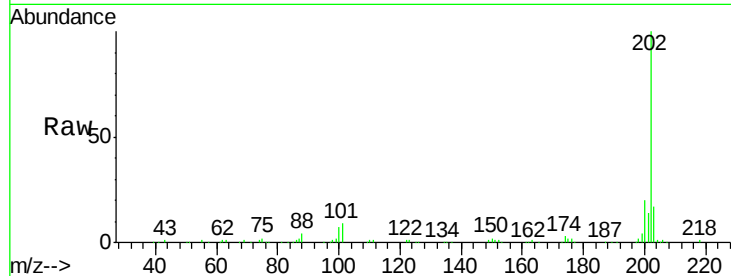
Acq: 6 Jul 2016 2:33

Instrument :

BNA_F

ClientSampleId :

Q5-B1-0-11-C

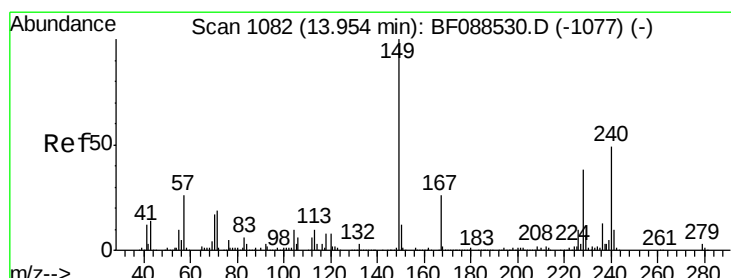
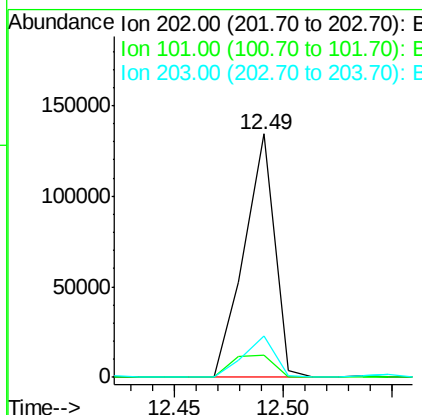
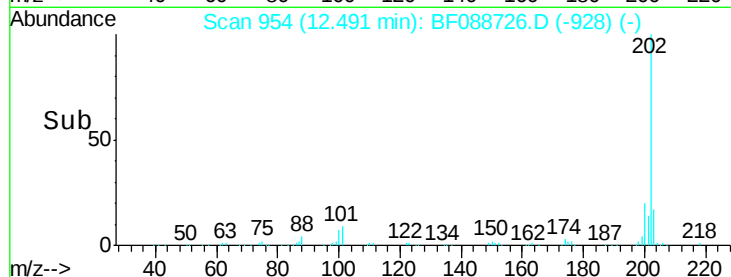


Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.3	0.0	33.1		
203	17.1	0.0	38.1		

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

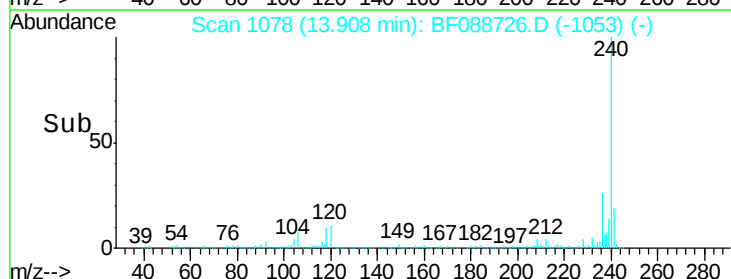
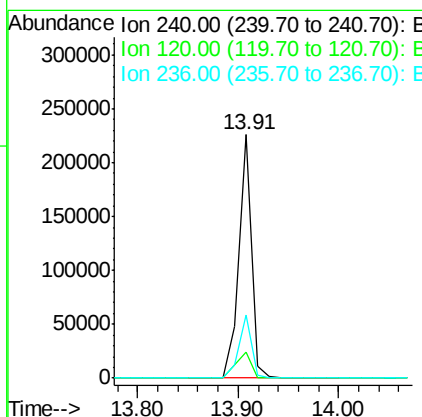
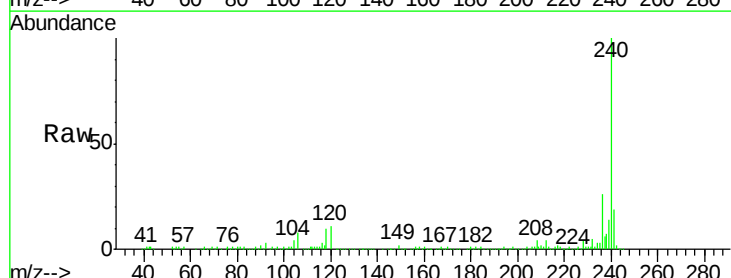
RT: 13.91 min Scan# 1078

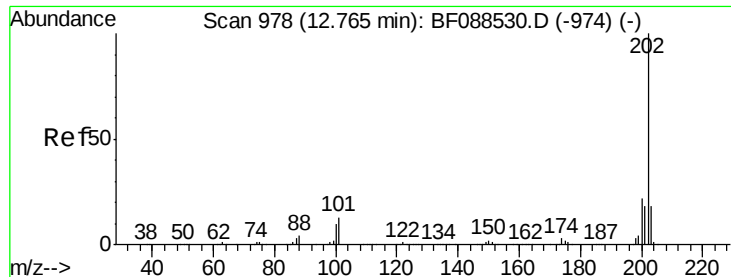
Delta R.T. -0.01 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.5	6.8	10.2#		
236	25.9	20.2	30.2		





#77

Pvrene

Concen: 6.91 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

Instrument :

BNA_F

ClientSampleId :

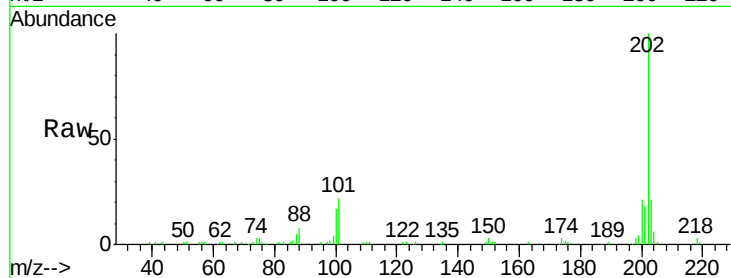
Q5-B1-0-11-C

Tot Ion:	202	Resp:	116007
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	21.3	14.5	21.7

Manual Integrations

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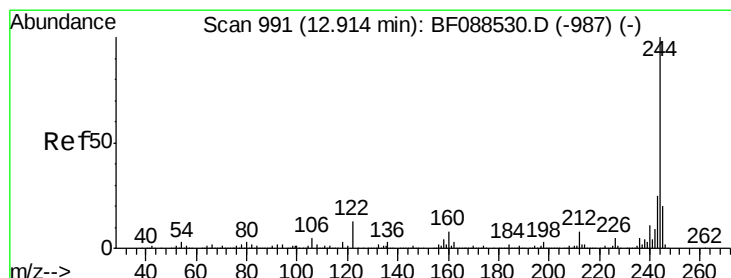
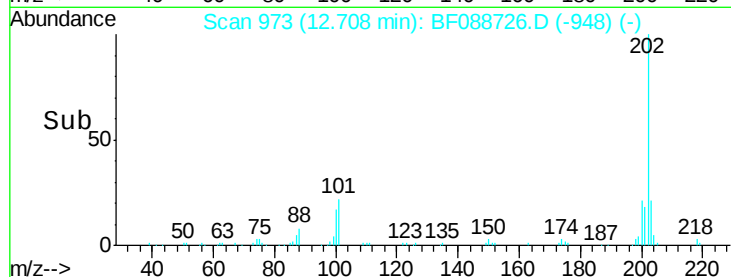
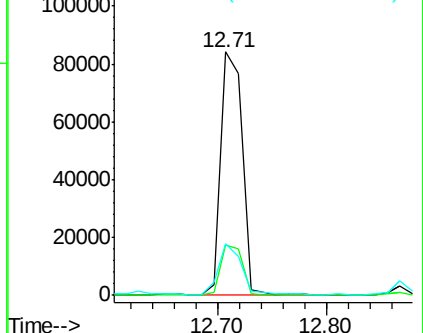
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.33 ng

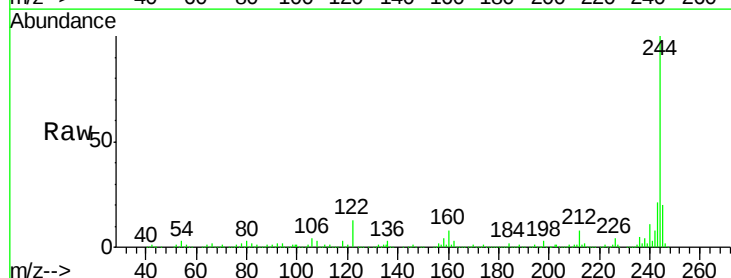
RT: 12.87 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

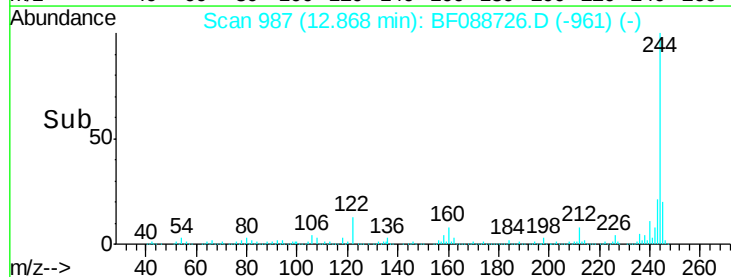
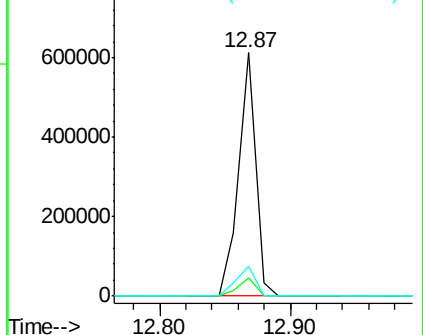
Tgt Ion:	244	Resp:	553746
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	12.5	11.2	16.8

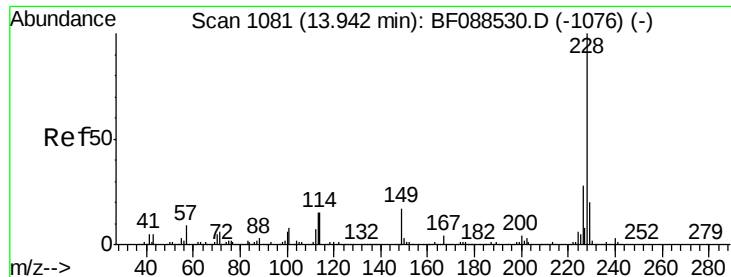


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





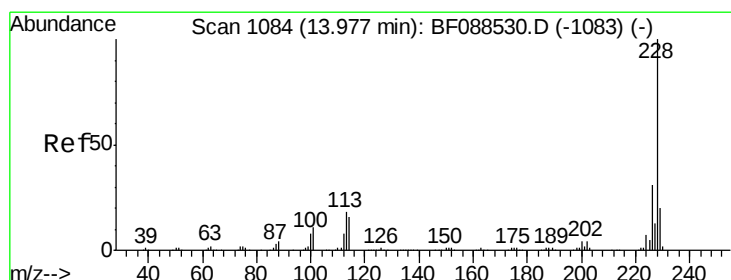
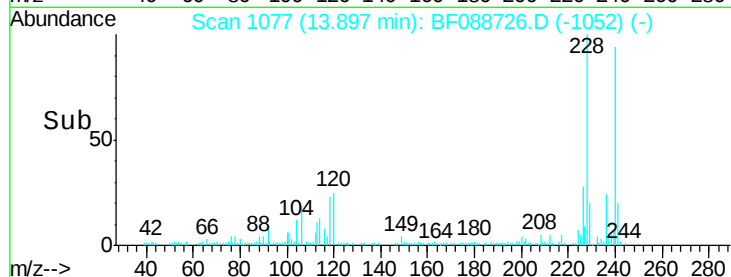
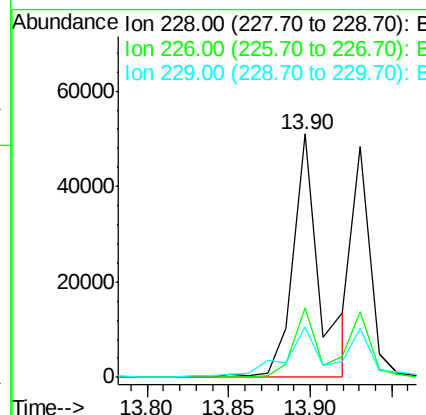
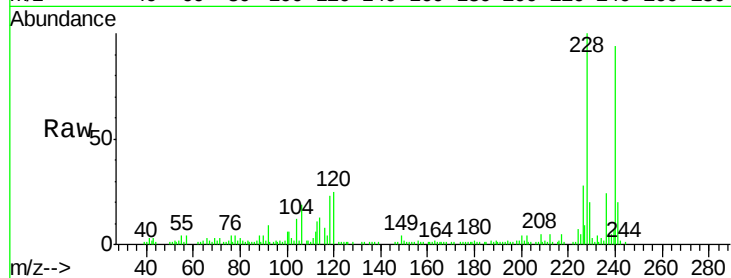
#80
Benzo(a)anthracene
Concen: 4.57 ng
RT: 13.90 min Scan# 1077
Delta R.T. -0.01 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

Instrument :
BNA_F
ClientSampleId :
Q5-B1-0-11-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		58243		
226	28.5	22.3	33.5		
229	20.5	16.0	24.0		

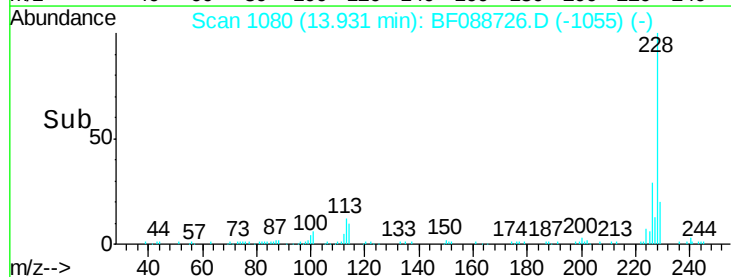
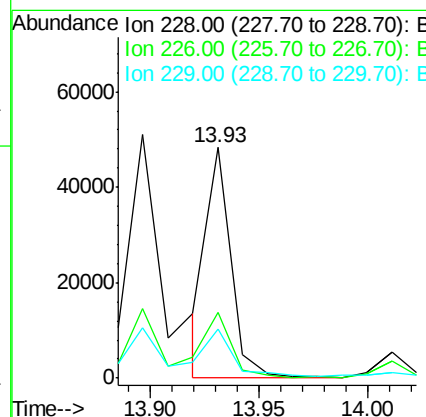
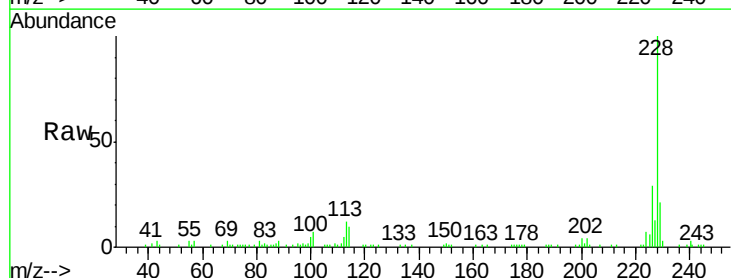
Manual Integrations

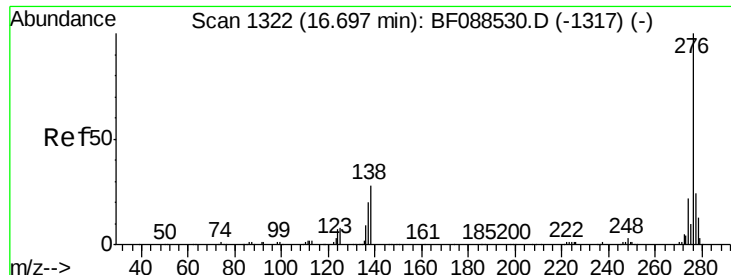
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#82
Chrysene
Concen: 2.98 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.01 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		37555		
226	28.5	25.4	38.2		
229	21.4	16.3	24.5		





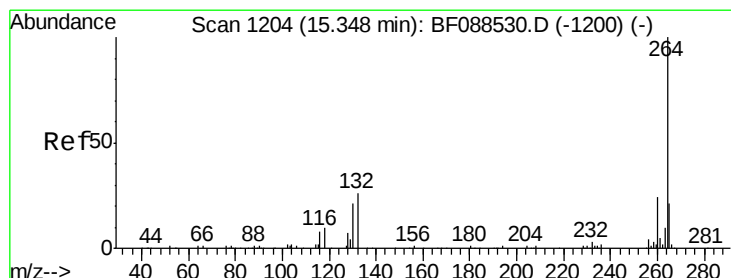
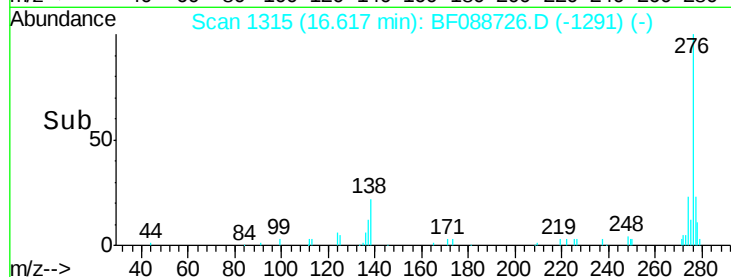
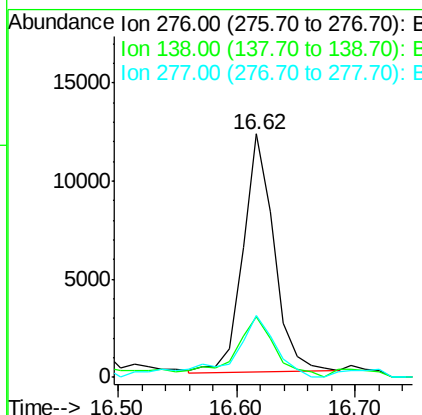
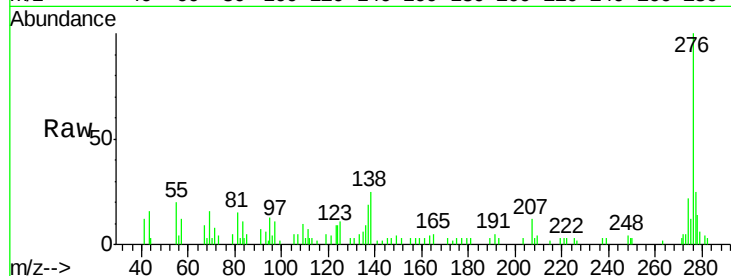
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.28 ng
RT: 16.62 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

Instrument :
BNA_F
ClientSampleId :
Q5-B1-0-11-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.4	0.0	0.0#
277	37.6	0.0	0.0#

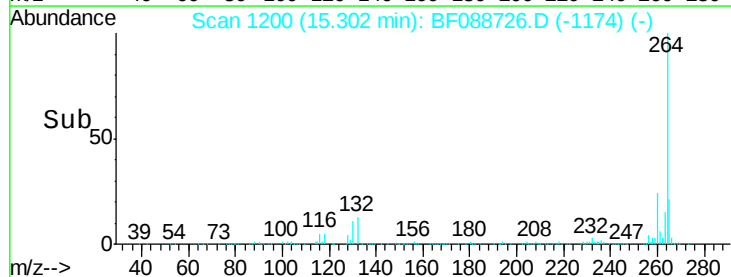
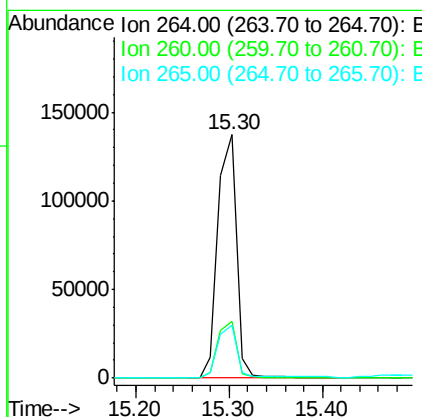
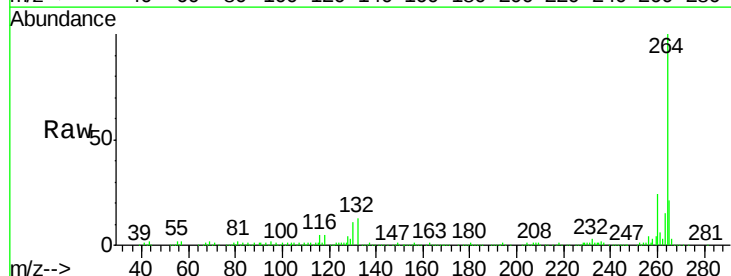
Manual Integrations

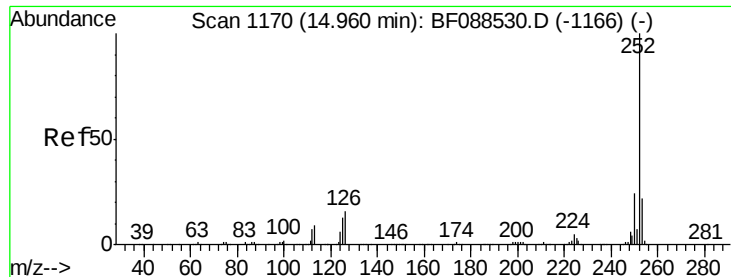
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF088726.D
Acq: 6 Jul 2016 2:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 5.27 ng

RT: 14.90 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

Instrument :

BNA_F

ClientSampleId :

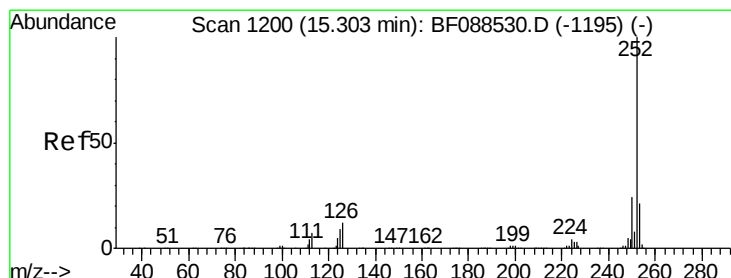
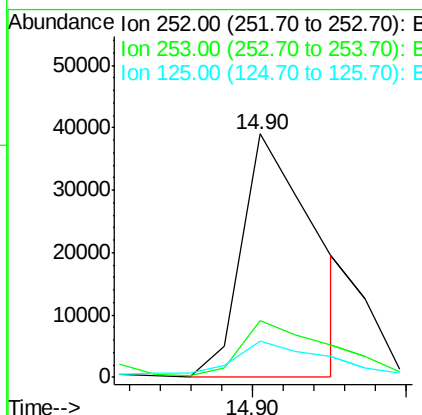
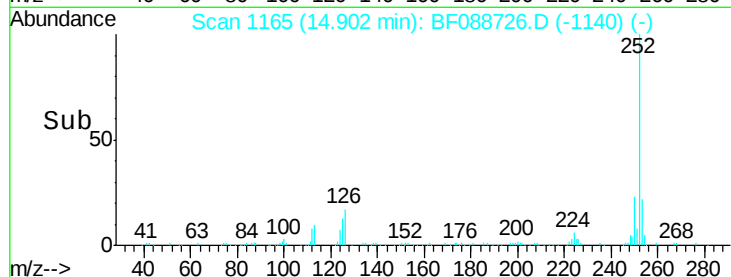
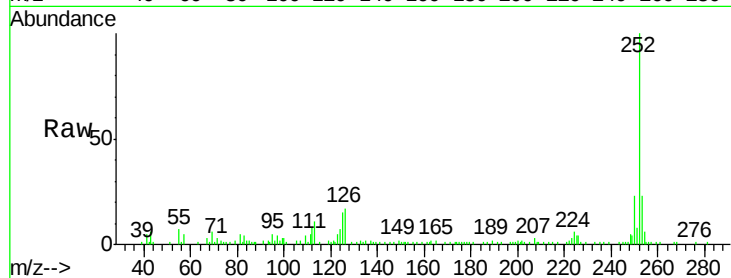
Q5-B1-0-11-C

Tot Ion:	252	Resp:	63813
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	14.9	7.1	10.7#

Manual Integrations

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#89

Benzo(a)pyrene

Concen: 3.81 ng

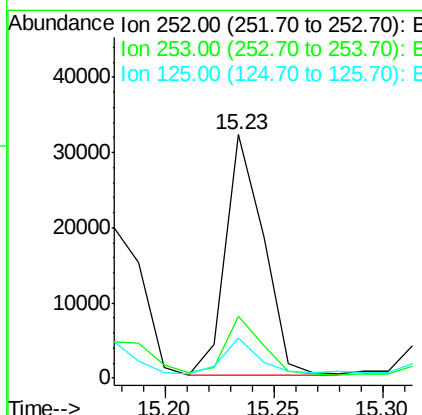
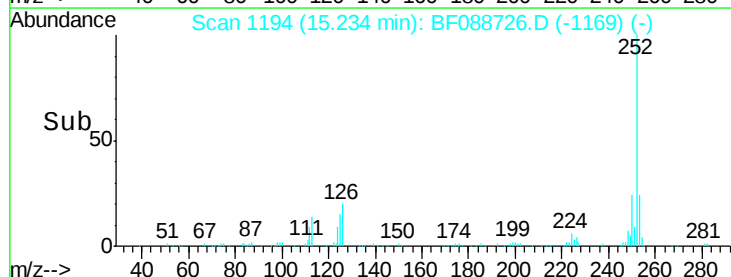
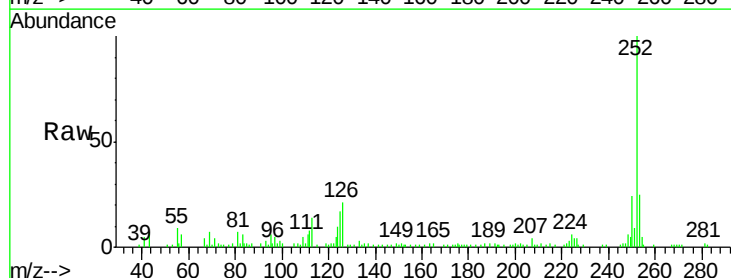
RT: 15.23 min Scan# 1194

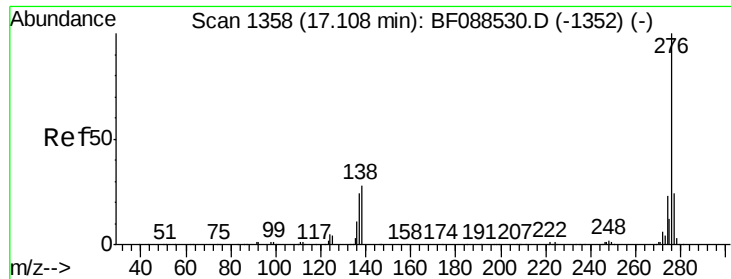
Delta R.T. -0.01 min

Lab File: BF088726.D

Acq: 6 Jul 2016 2:33

Tgt Ion:	252	Resp:	39050
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	16.5	12.5	18.7





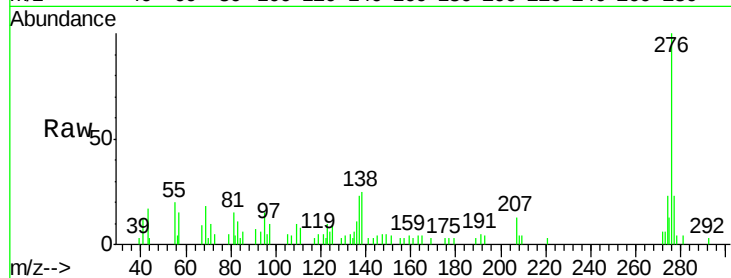
#91
 Benzo(a,h,i)perylene
 Concen: 2.48 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: BF088726.D
 Acq: 6 Jul 2016 2:33

Instrument :
 BNA_F
 ClientSampleId :
 Q5-B1-0-11-C

Tot Ion:	276	Resp:	21966
Ion Ratio	Lower	Upper	
276	100		
277	23.2	18.9	28.3
138	25.3	21.4	32.2

Manual Integrations

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

