

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
 Data File : BF089060.D
 Acq On : 16 Jul 2016 17:42
 Operator : UM/SJ
 Sample : H3989-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B6(0-11)C

Manual Integrations

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Quant Time: Jul 18 02:06:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	52560	20.00	ng	-0.05
21) Naphthalene-d8	7.95	136	206441	20.00	ng	-0.05
38) Acenaphthene-d10	9.70	164	80664	20.00	ng	-0.05
63) Phenanthrene-d10	11.18	188	128481	20.00	ng	-0.05
75) Chrysene-d12	13.82	240	91924	20.00	ng	-0.03
86) Perylene-d12	15.21	264	65224	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	338652	96.56	ng	-0.03
7) Phenol-d6	6.32	99	408813	90.22	ng	-0.03
23) Nitrobenzene-d5	7.23	82	275729	69.99	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	56192	75.02	ng	-0.05
44) 2-Fluorobiphenyl	9.03	172	366393	71.75	ng	-0.05
78) Terphenyl-d14	12.76	244	248237	60.15	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	94525	16.45	ng	100
70) Phenanthrene	11.20	178	65263	9.29	ng	99
71) Anthracene	11.26	178	16522	2.37	ng	99
74) Fluoranthene	12.39	202	139048	19.53	ng	98
77) Pyrene	12.62	202	127423	16.35	ng	98
80) Benzo(a)anthracene	13.81	228	56846m	9.60	ng	
82) Chrysene	13.84	228	61394m	10.48	ng	
85) Indeno(1,2,3-cd)pyrene	16.51	276	33926	7.53	ng	# 100
87) Benzo(b)fluoranthene	14.82	252	65059m	15.90	ng	
88) Benzo(k)fluoranthene	14.83	252	29310m	8.23	ng	
89) Benzo(a)pyrene	15.15	252	50124	14.47	ng	# 75
91) Benzo(a,h,i)perylene	16.91	276	32875	10.98	ng	# 89

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

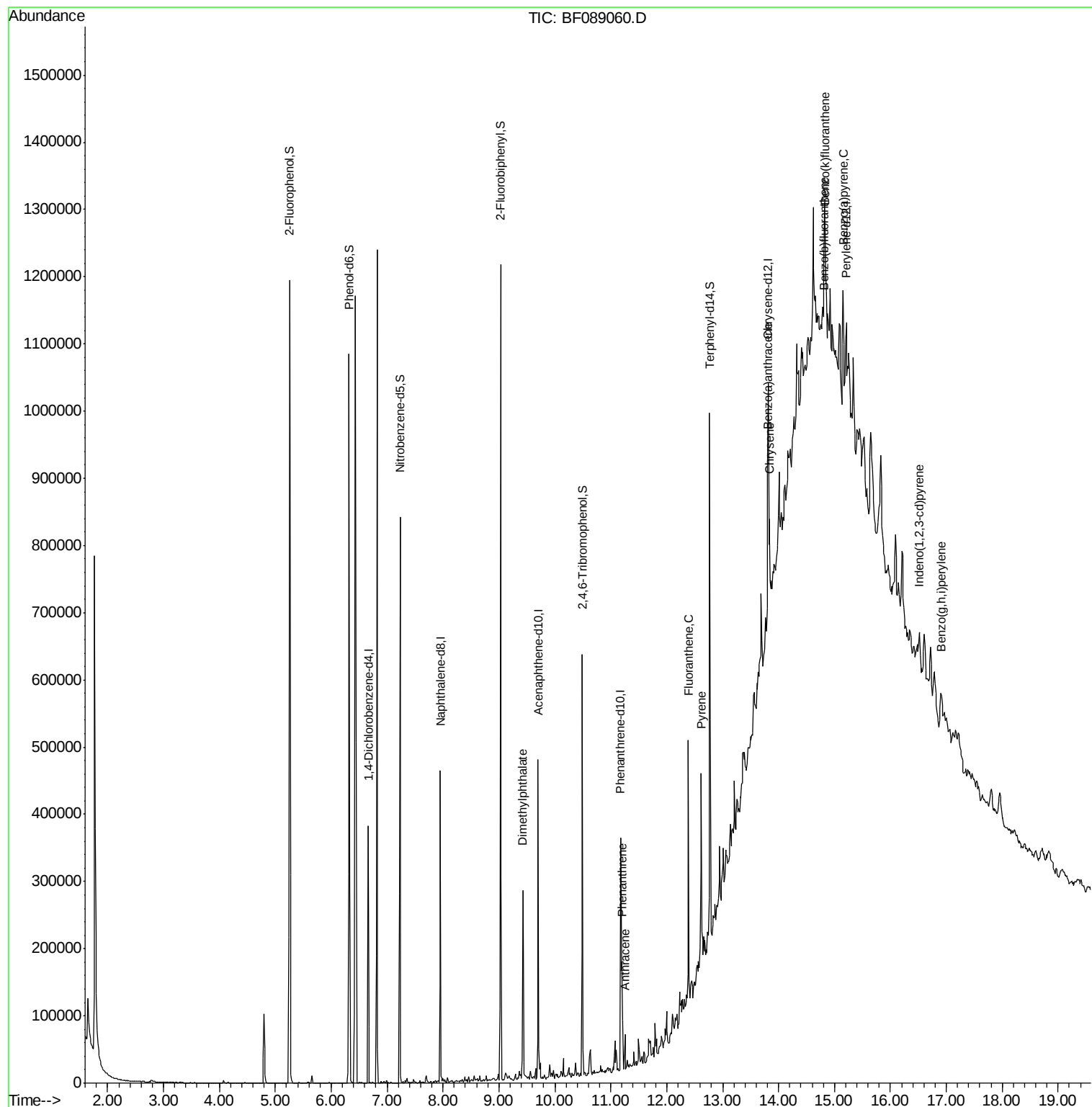
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089060.D
Acq On : 16 Jul 2016 17:42
Operator : UM/SJ
Sample : H3989-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
Q7-B6(0-11)C

Manual Integrations

Quant Time: Jul 18 02:06:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 444

Delta R.T. -0.05 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

Instrument :

BNA_F

ClientSampleId :

Q7-B6(0-11)C

Tot Ion:152 Resp: 52560

Ion Ratio Lower Upper

152 100

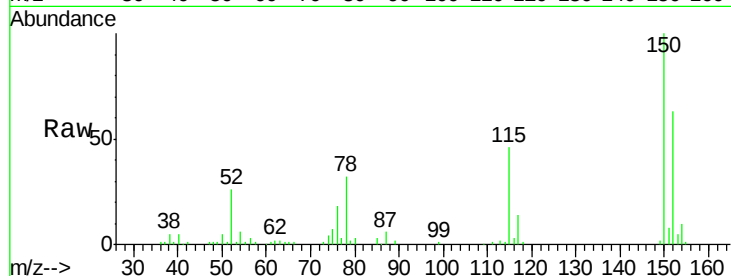
150 159.1 123.8 185.6

115 72.9 39.6 59.4#

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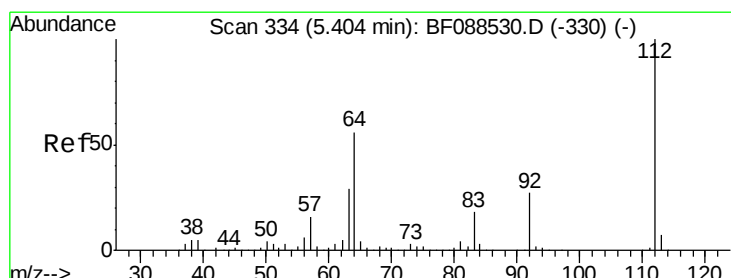
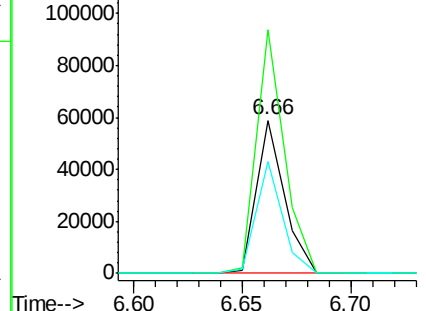
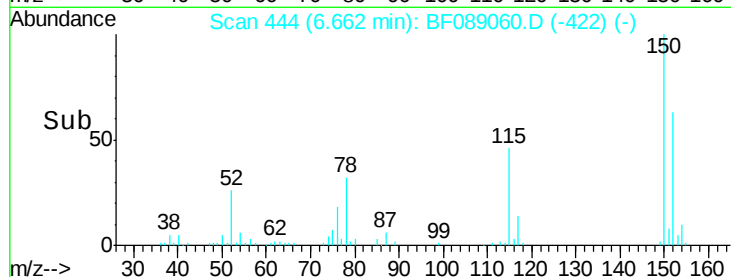
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 96.56 ng

RT: 5.26 min Scan# 321

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

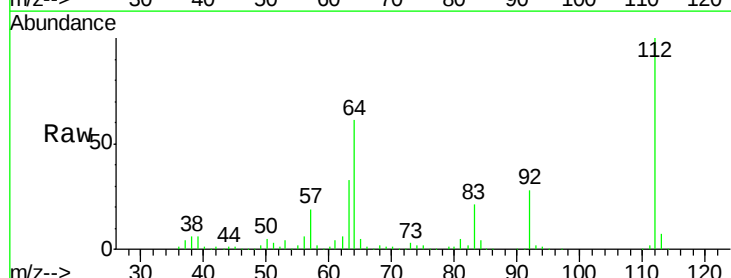
Tgt Ion:112 Resp: 338652

Ion Ratio Lower Upper

112 100

64 61.4 42.2 63.2

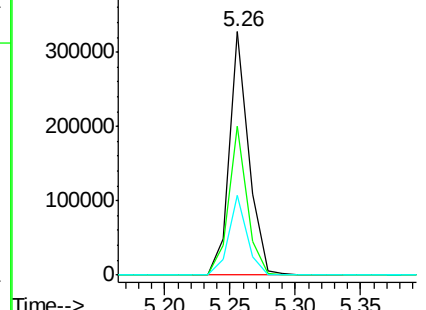
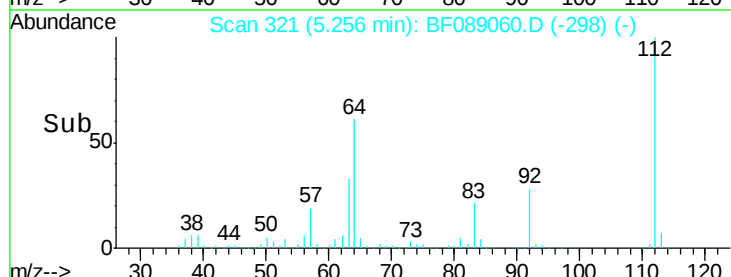
63 32.9 21.8 32.8#



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: 90.22 ng

RT: 6.32 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

Instrument :

BNA_F

ClientSampleId :

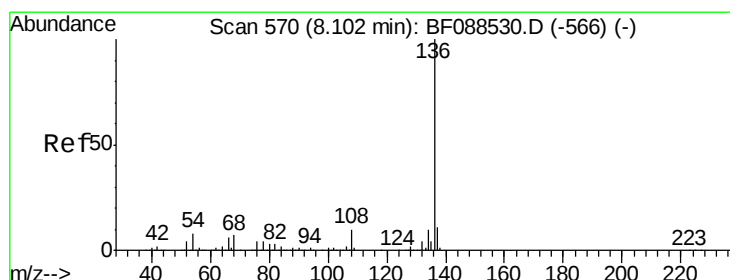
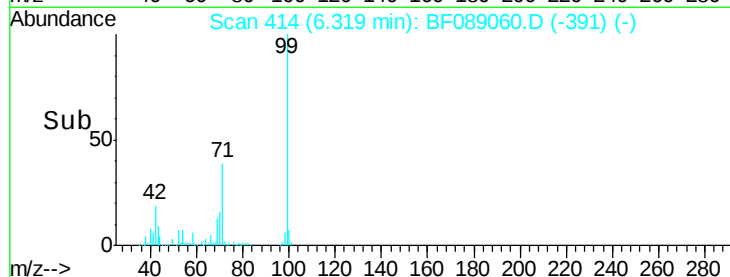
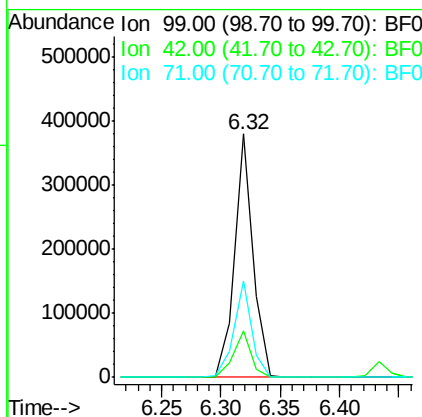
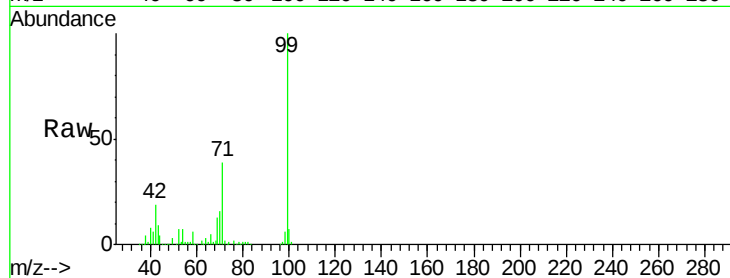
Q7-B6(0-11)C

Tot Ion:	99	Resp:	408813
Ion	Ratio	Lower	Upper
99	100		
42	19.0	12.2	18.2#
71	39.4	23.4	35.0#

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#21

Naphthalene-d8

Concen: 20.00 ng

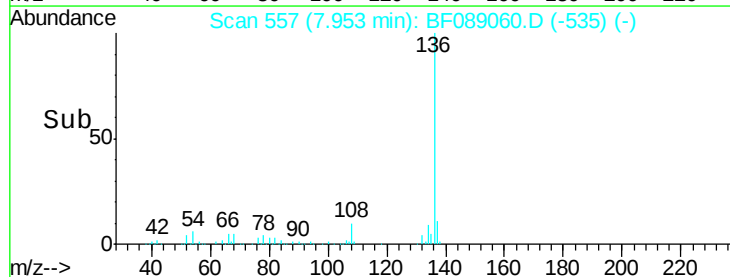
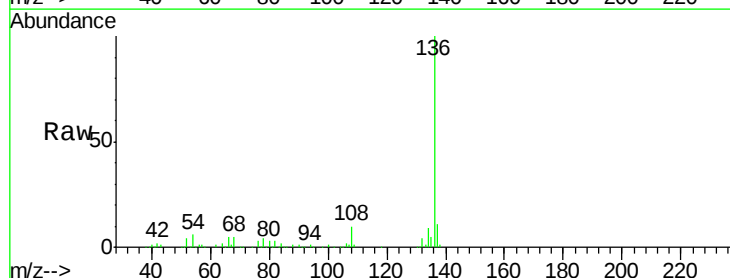
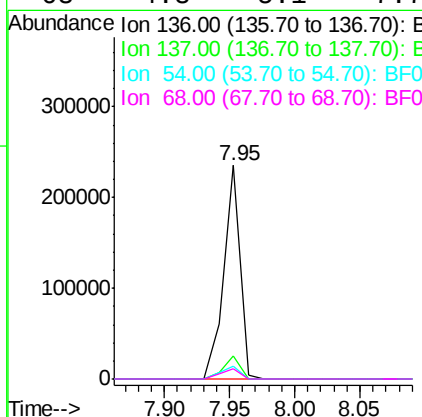
RT: 7.95 min Scan# 557

Delta R.T. -0.05 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

Tgt Ion:	136	Resp:	206441
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	5.8	6.6	10.0#
68	4.8	5.1	7.7#





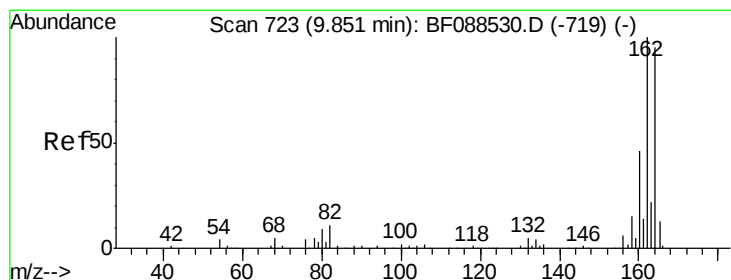
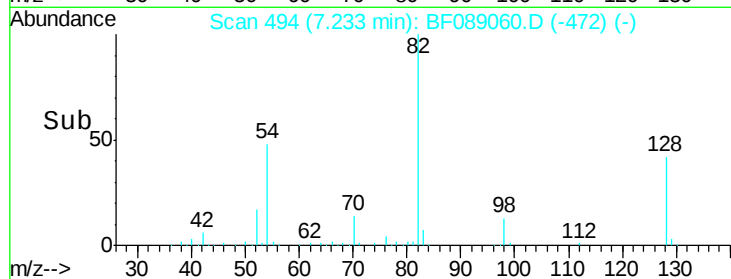
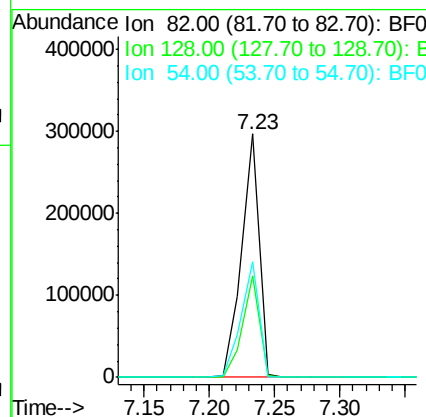
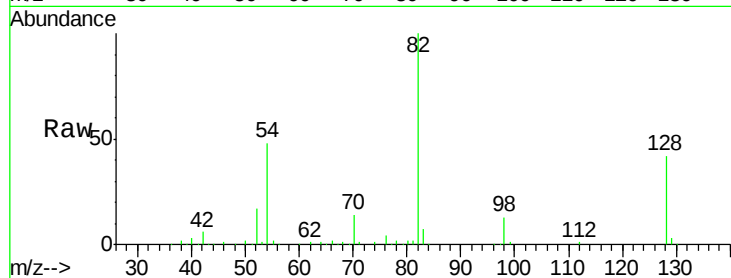
#23
 Nitrobenzene-d5
 Concen: 69.99 ng
 RT: 7.23 min Scan# 494
 Delta R.T. -0.05 min
 Lab File: BF089060.D
 Acq: 16 Jul 2016 17:42

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B6(0-11)C

Tot Ion:	82	Resp:	275729
Ion Ratio	Lower	Upper	
82	100		
128	41.9	35.9	53.9
54	47.7	40.9	61.3

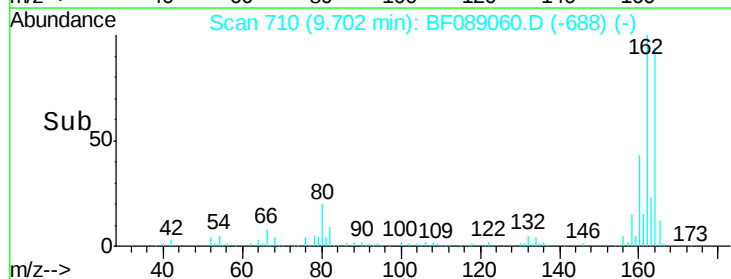
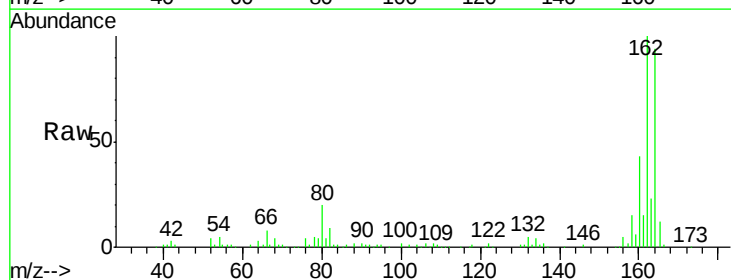
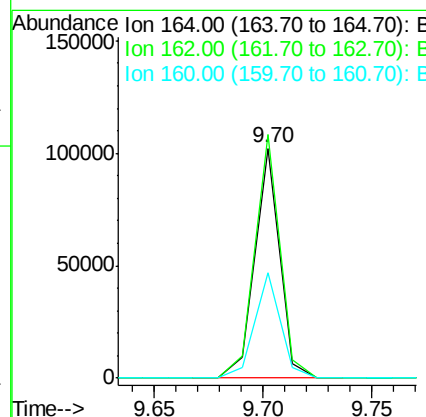
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.70 min Scan# 710
 Delta R.T. -0.05 min
 Lab File: BF089060.D
 Acq: 16 Jul 2016 17:42

Tgt Ion:	164	Resp:	80664
Ion Ratio	Lower	Upper	
164	100		
162	105.9	85.4	128.2
160	45.9	39.5	59.3





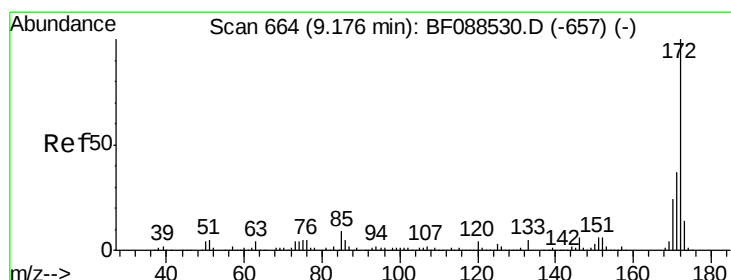
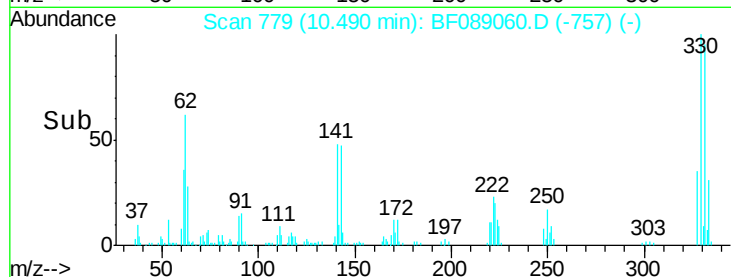
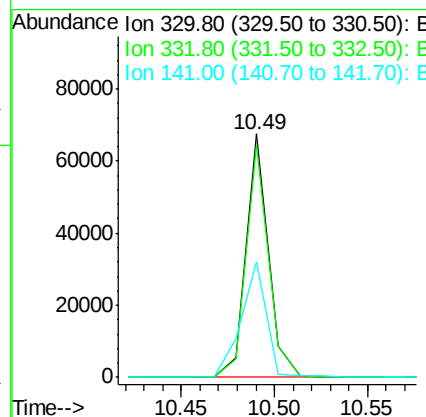
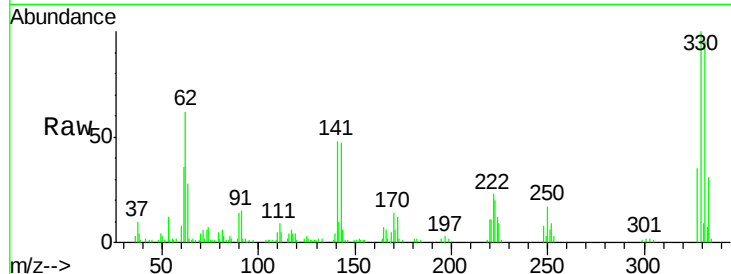
#41
 2,4,6-Tribromophenol
 Concen: 75.02 ng
 RT: 10.49 min Scan# 779
 Delta R.T. -0.05 min
 Lab File: BF089060.D
 Acq: 16 Jul 2016 17:42

Instrument :
 BNA_F
 ClientSampleId :
 Q7-B6(0-11)C

Tot Ion:	330	Resp:	56192
Ion Ratio	Lower	Upper	
330	100		
332	95.7	0.0	0.0#
141	54.4	0.0	0.0#

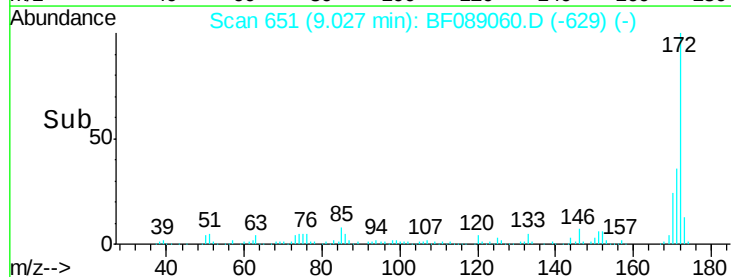
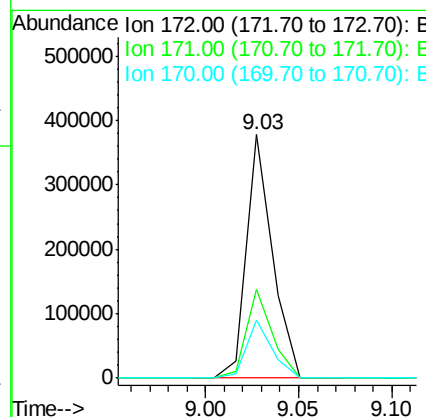
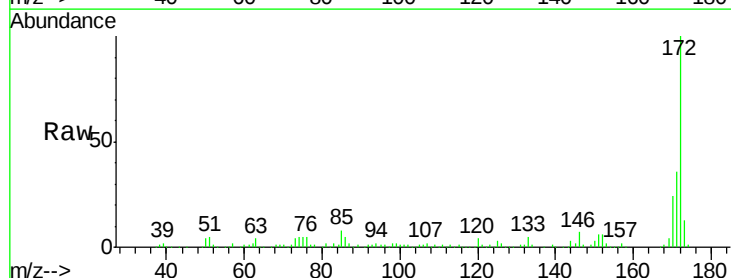
Manual Integrations

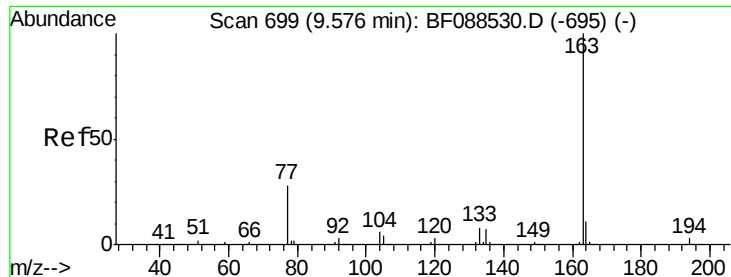
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#44
 2-Fluorobiphenyl
 Concen: 71.75 ng
 RT: 9.03 min Scan# 651
 Delta R.T. -0.05 min
 Lab File: BF089060.D
 Acq: 16 Jul 2016 17:42

Tgt Ion:	172	Resp:	366393
Ion Ratio	Lower	Upper	
172	100		
171	36.3	28.6	43.0
170	23.7	19.2	28.8





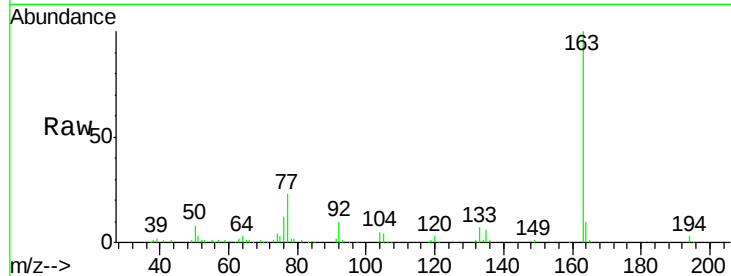
#49
Dimethylphthalate
Concen: 16.45 ng
RT: 9.43 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Instrument :
BNA_F
ClientSampleId :
Q7-B6(0-11)C

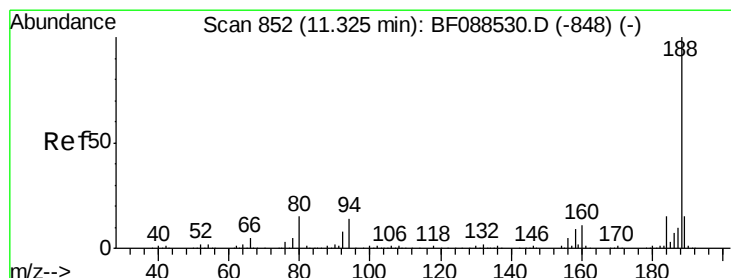
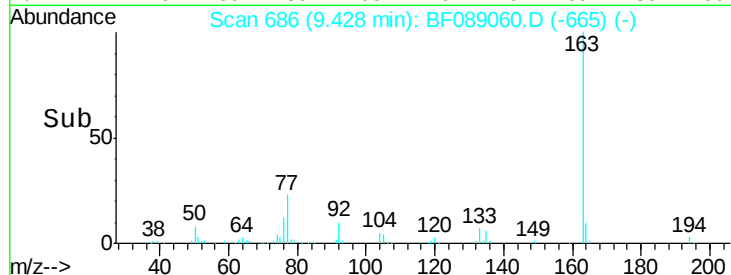
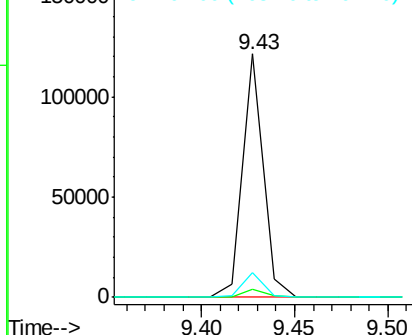
Tot Ion:163 Resp: 94525
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 10.3 8.3 12.5

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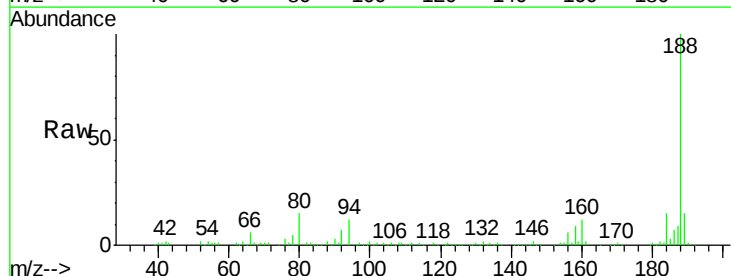


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

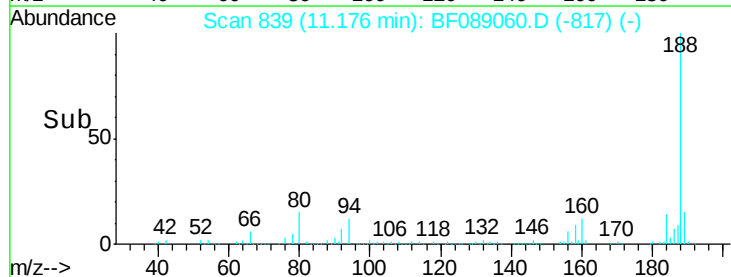
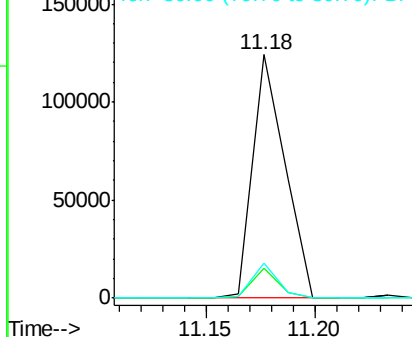


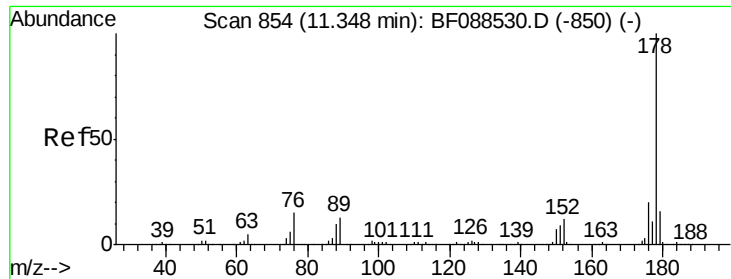
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 839
Delta R.T. -0.05 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Tgt Ion:188 Resp: 128481
Ion Ratio Lower Upper
188 100
94 12.2 9.0 13.6
80 14.6 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





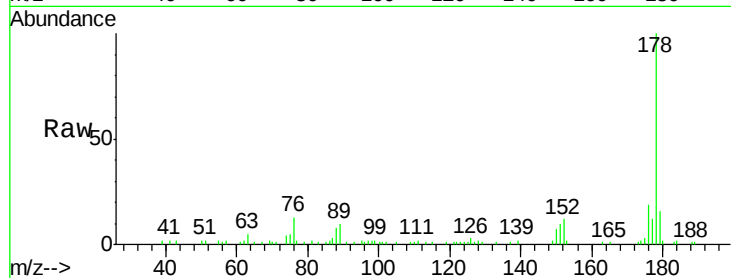
#70
Phenanthrene
Concen: 9.29 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.05 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Instrument :
BNA_F
ClientSampleId :
Q7-B6(0-11)C

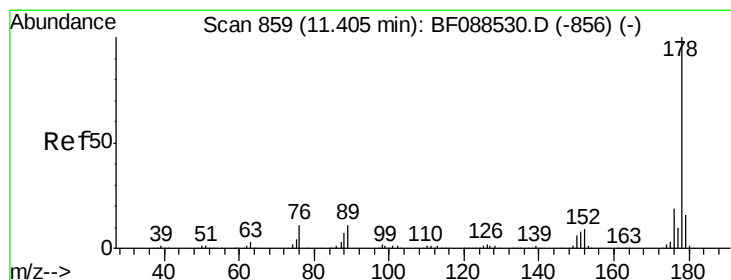
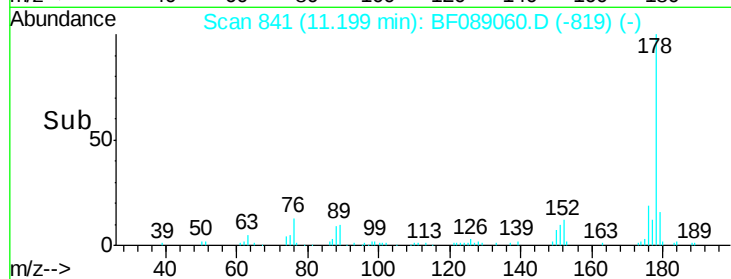
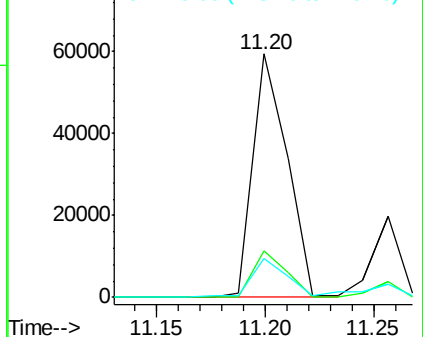
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	16.0	13.0	19.4

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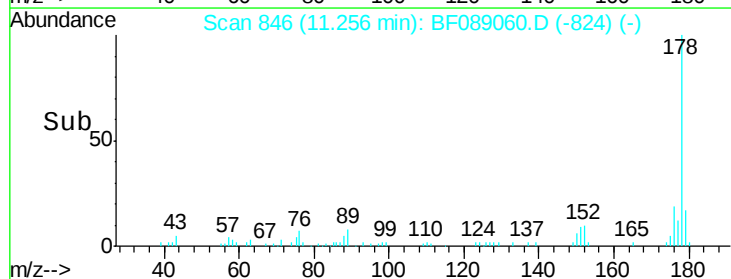
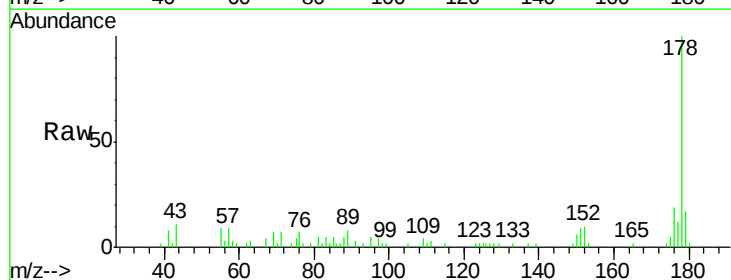
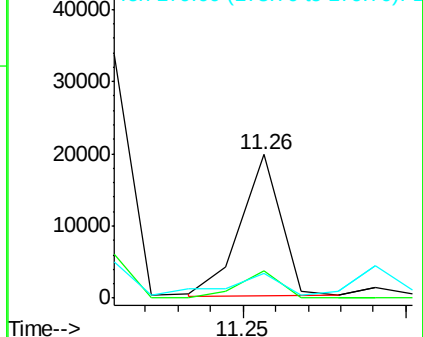
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

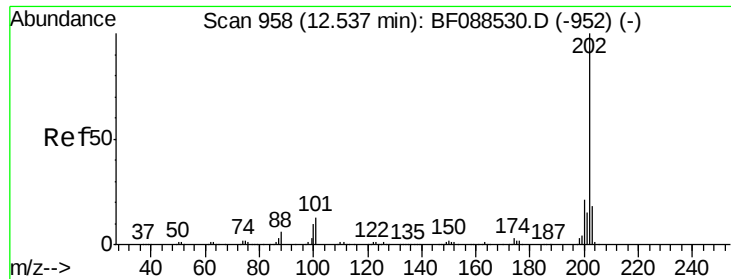


#71
Anthracene
Concen: 2.37 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.05 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	16.9	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





#74

Fluoranthene

Concen: 19.53 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

Instrument :

BNA_F

ClientSampleId :

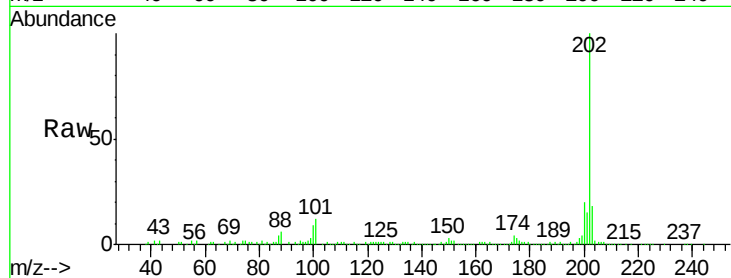
Q7-B6(0-11)C

Tot Ion:	202	Resp:	139048
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	33.1
203	17.7	0.0	38.1

Manual Integrations

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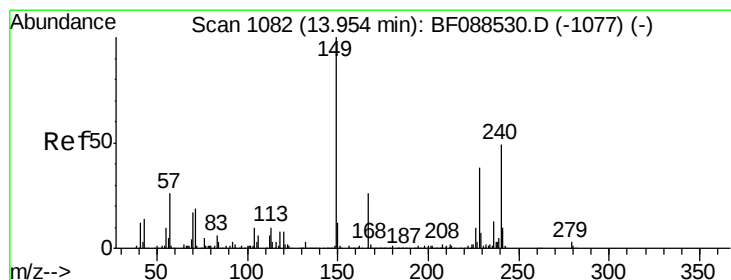
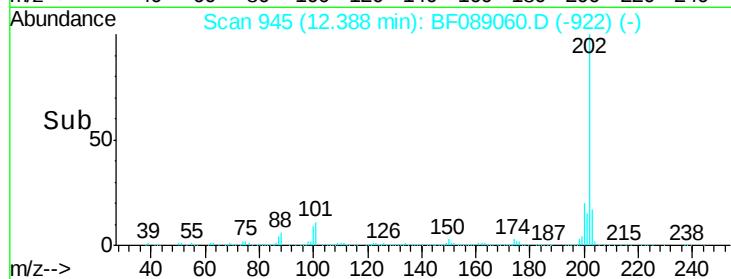
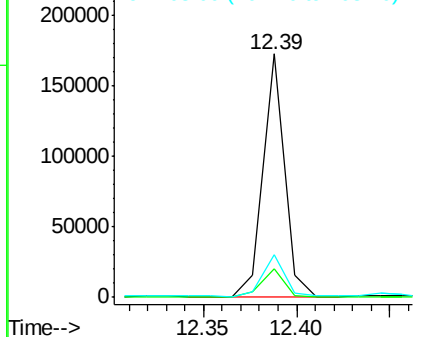
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

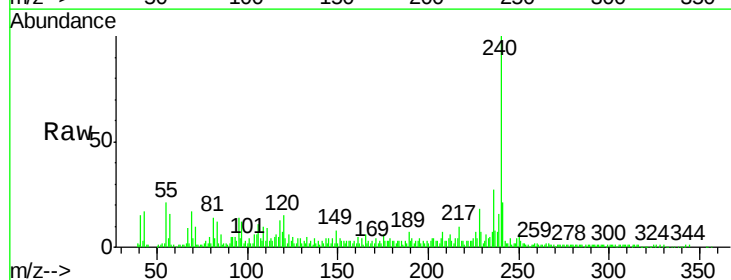
RT: 13.82 min Scan# 1070

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

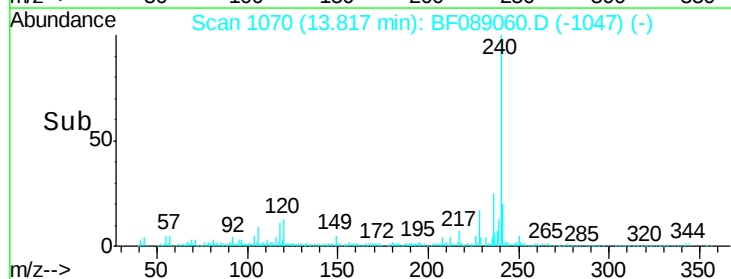
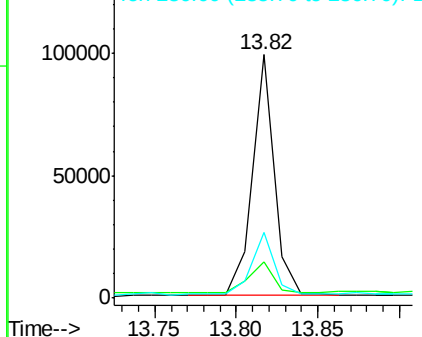
Tgt Ion:	240	Resp:	91924
Ion Ratio	Lower	Upper	
240	100		
120	14.7	6.8	10.2#
236	27.1	20.2	30.2

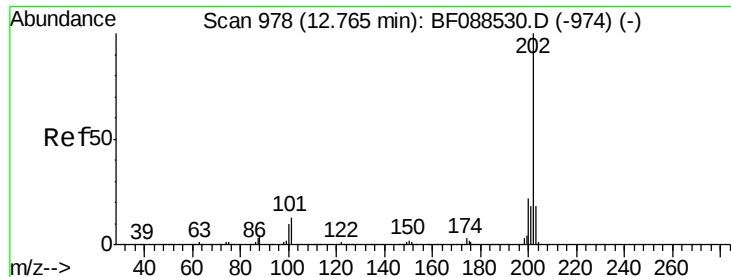


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.35 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

Instrument :

BNA_F

ClientSampleId :

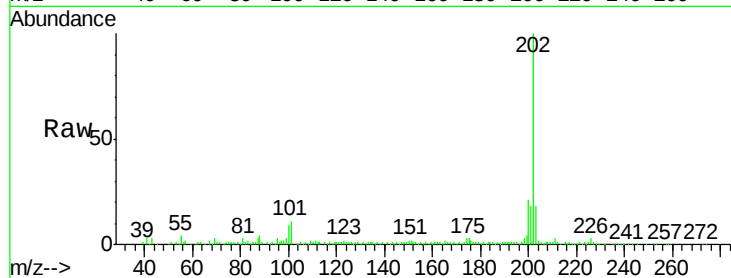
Q7-B6(0-11)C

Tot Ion:	202	Resp:	127423
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	17.7	14.5	21.7

Manual Integrations

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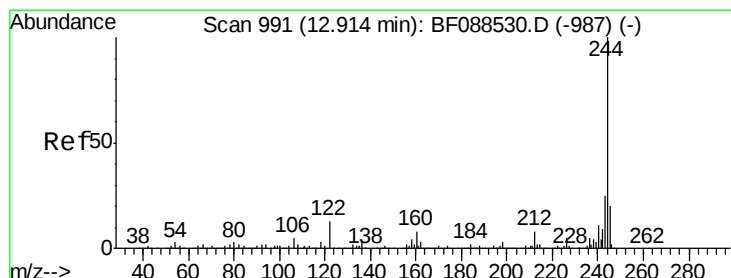
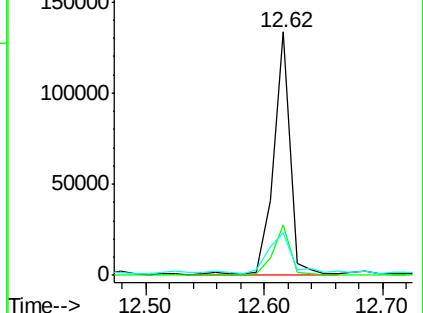
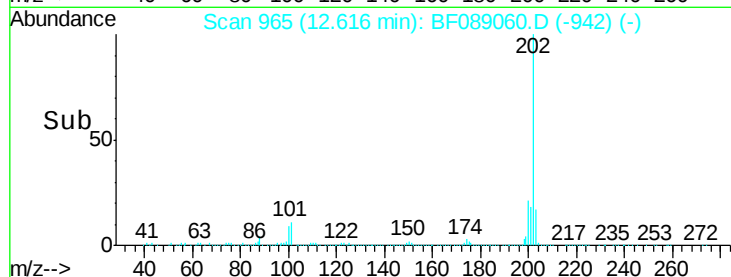
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 60.15 ng

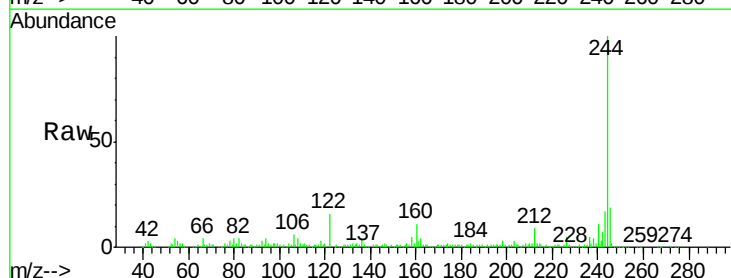
RT: 12.76 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

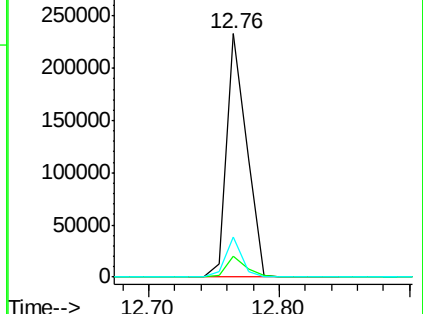
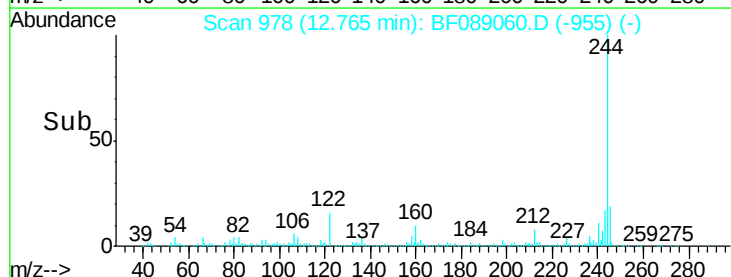
Tgt Ion:	244	Resp:	248237
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.0	9.0
122	16.4	11.2	16.8

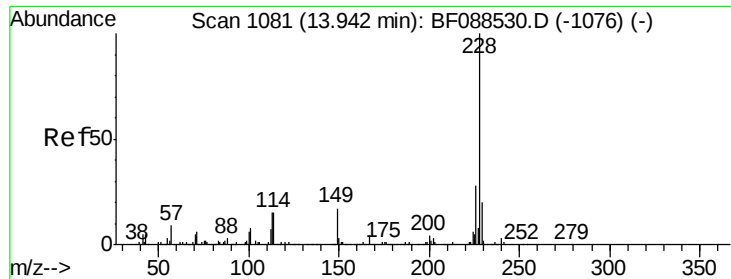


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





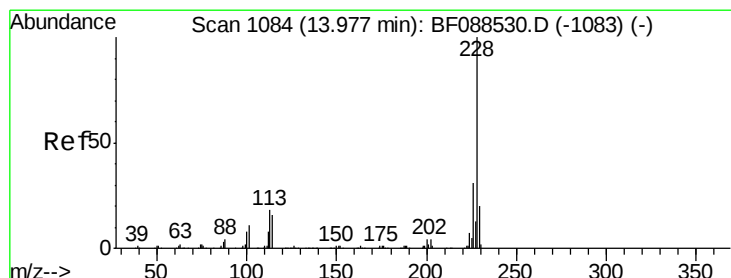
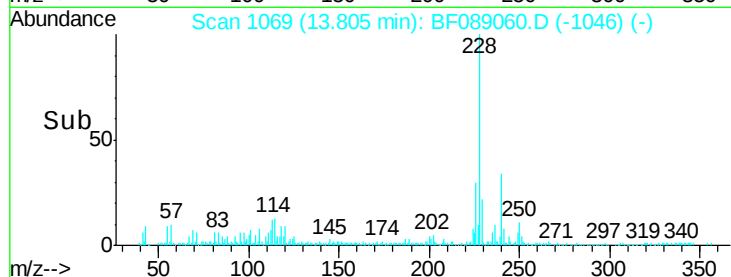
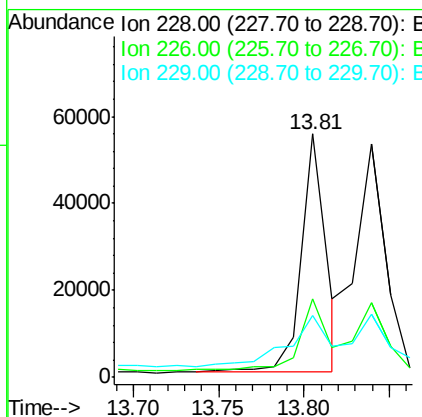
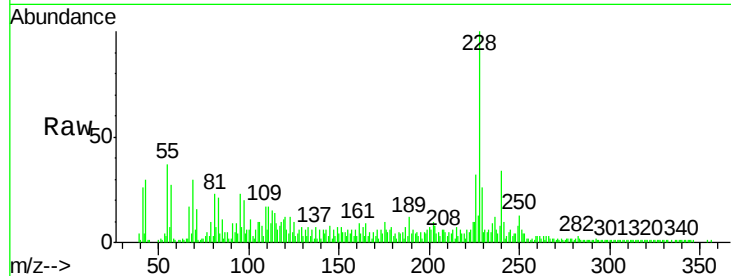
#80
Benzo(a)anthracene
Concen: 9.60 ng m
RT: 13.81 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Instrument :
BNA_F
ClientSampleId :
Q7-B6(0-11)C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	32.2	22.3	33.5		
229	25.6	16.0	24.0		

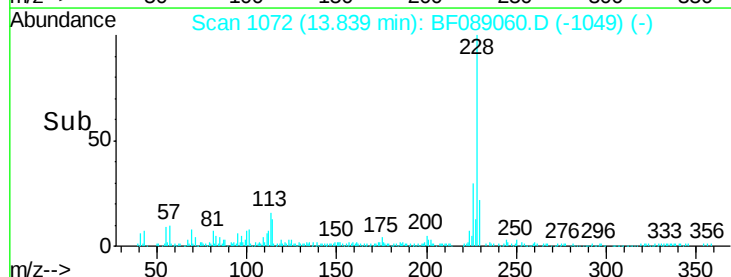
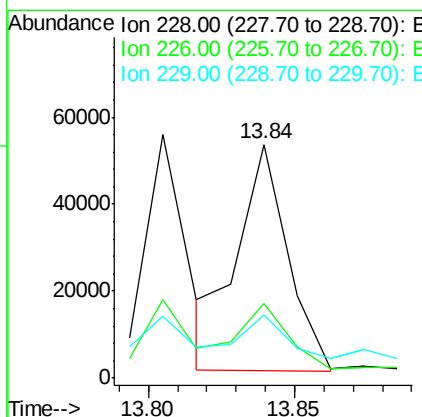
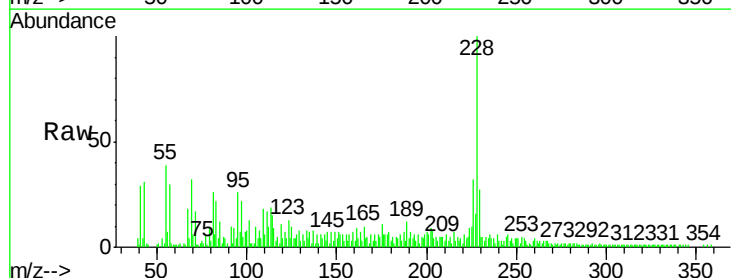
Manual Integrations

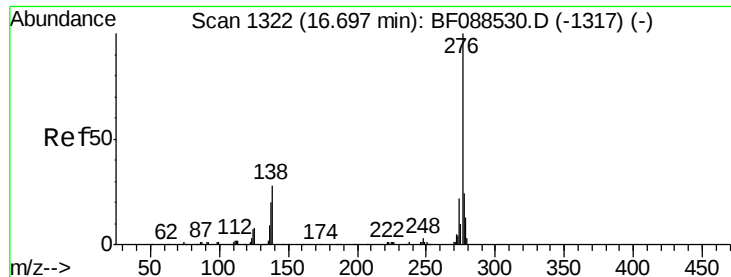
sohil
7/18/2016 7:37:50 PM



#82
Chrysene
Concen: 10.48 ng m
RT: 13.84 min Scan# 1072
Delta R.T. -0.03 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	32.0	25.4	38.2		
229	27.0	16.3	24.5		





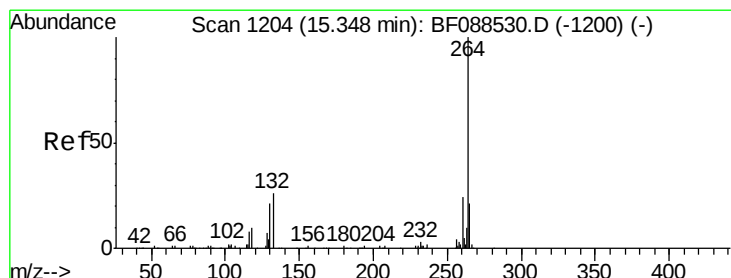
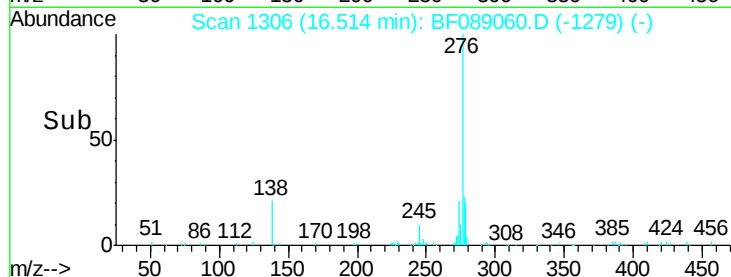
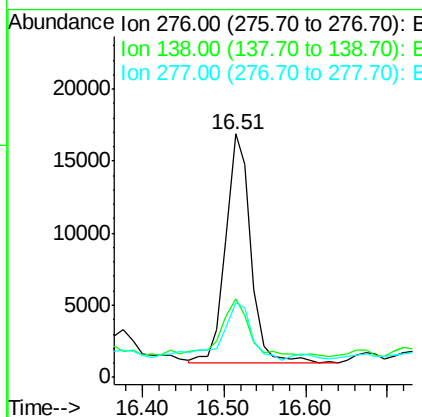
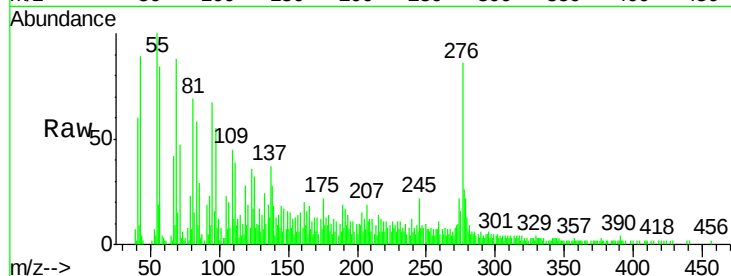
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.53 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Instrument :
BNA_F
ClientSampleId :
Q7-B6(0-11)C

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	0.0	0.0#
277	31.8	0.0	0.0#

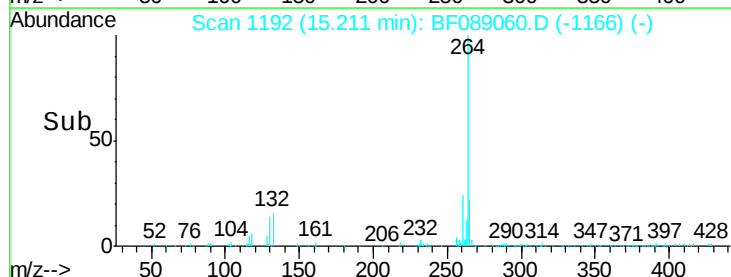
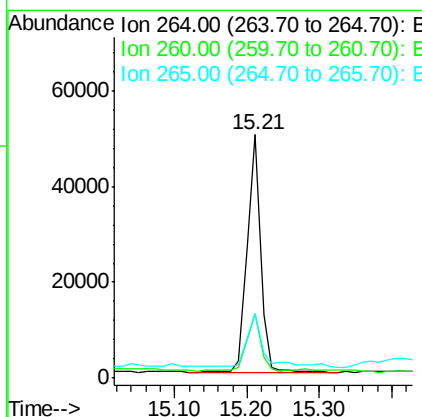
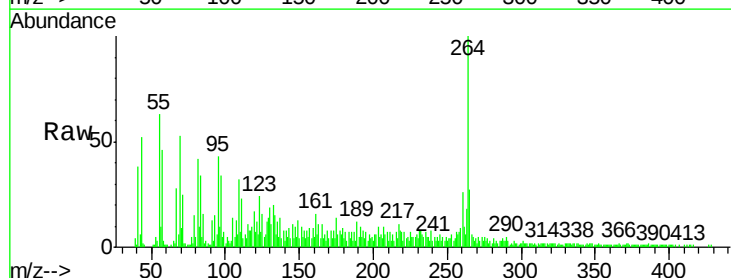
Manual Integrations

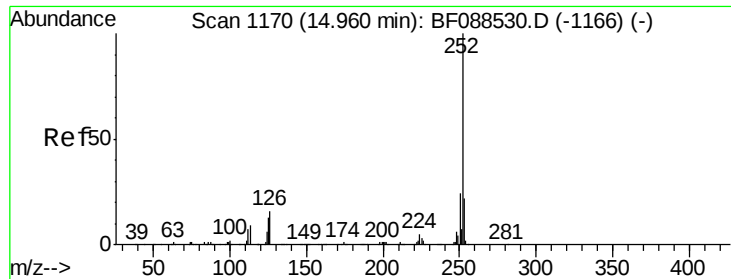
sohil
7/18/2016 7:37:50 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.2	28.8
265	26.6	16.9	25.3#





#87

Benzo(b)fluoranthene

Concen: 15.90 ng m

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

Instrument :

BNA_F

ClientSampleId :

Q7-B6(0-11)C

Tot Ion:252 Resp: 65059

Ion Ratio Lower Upper

252 100

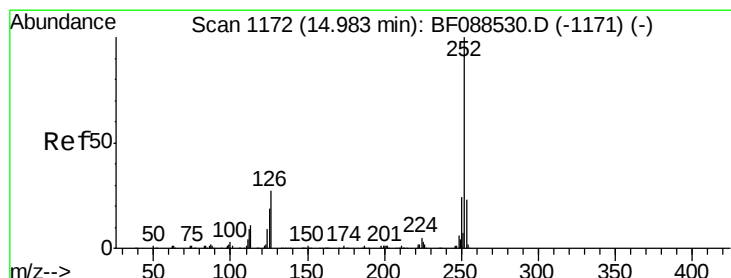
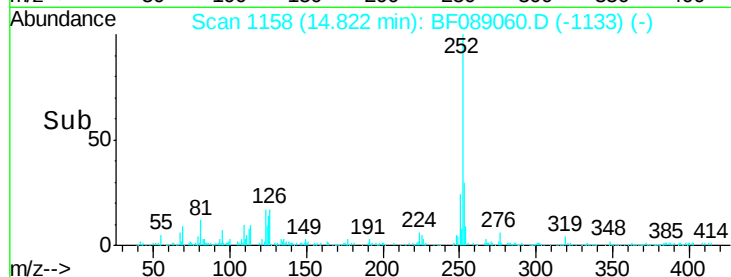
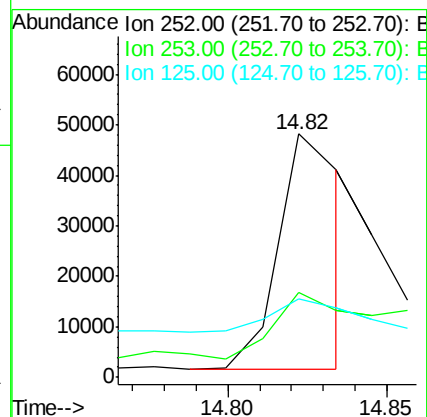
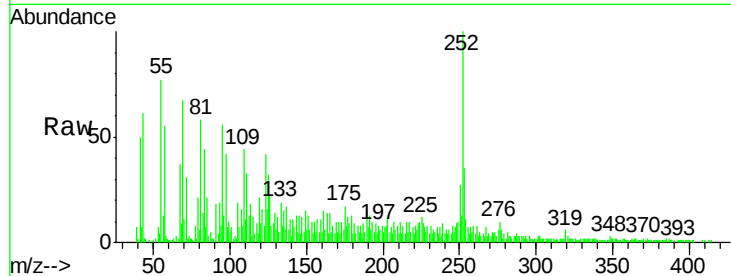
253 34.8 17.4 26.2#

125 32.4 7.1 10.7#

Manual Integrations

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#88

Benzo(k)fluoranthene

Concen: 8.23 ng m

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF089060.D

Acq: 16 Jul 2016 17:42

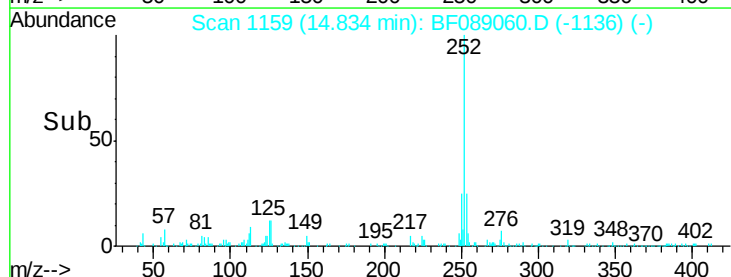
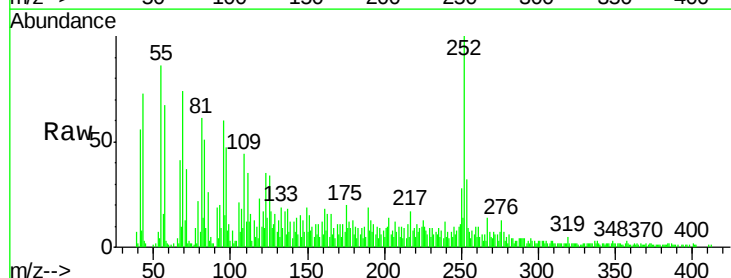
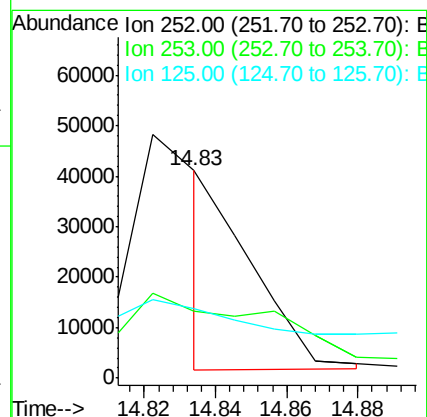
Tgt Ion:252 Resp: 29310

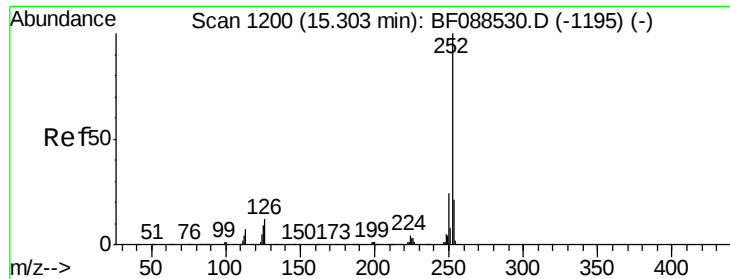
Ion Ratio Lower Upper

252 100

253 32.1 18.0 27.0#

125 33.5 11.2 16.8#





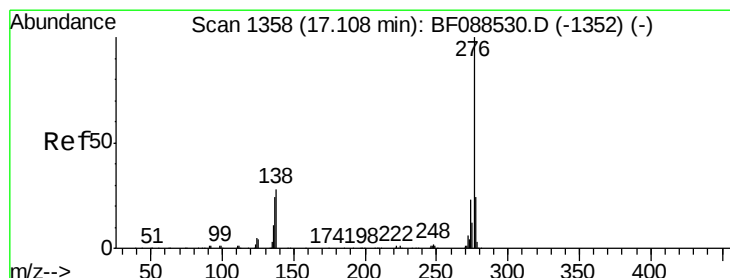
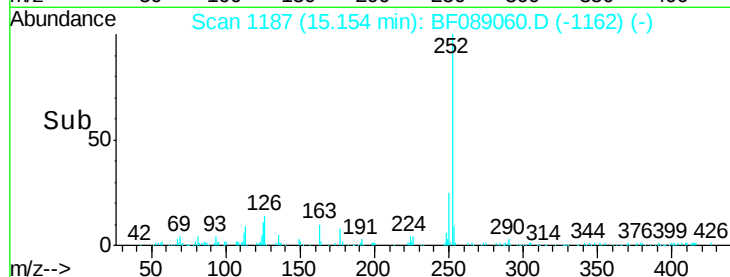
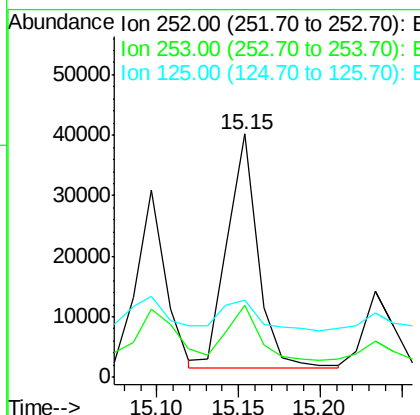
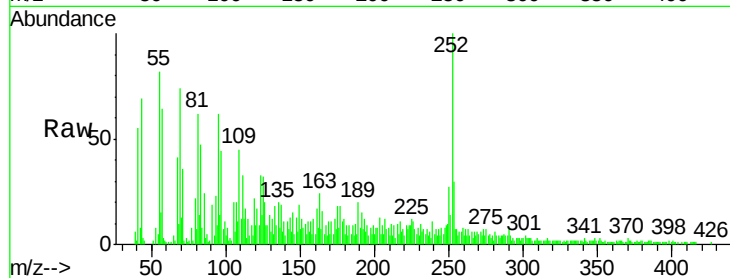
#89
Benzo(a)pyrene
Concen: 14.47 ng
RT: 15.15 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Instrument :
BNA_F
ClientSampleId :
Q7-B6(0-11)C

Tot Ion:	252	Resp:	50124
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.9	26.9#
125	31.5	12.5	18.7#

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 10.98 ng
RT: 16.91 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BF089060.D
Acq: 16 Jul 2016 17:42

Tgt Ion:	276	Resp:	32875
Ion Ratio	Lower	Upper	
276	100		
277	30.4	18.9	28.3#
138	31.0	21.4	32.2

