

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084939.D
 Acq On : 8 Feb 2016 20:10
 Operator : SJ/IZ
 Sample : H1329-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

Manual Integrations
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 2/9/2016 12:57:06 PM

Quant Time: Feb 09 03:32:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	171627	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	728212	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	305438	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	474497	20.00	ng	-0.05
75) Chrysene-d12	13.80	240	261405	20.00	ng	-0.03
86) Perylene-d12	15.17	264	278977	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	997347	90.51	ng	-0.03
7) Phenol-d6	6.32	99	1963292	143.73	ng	-0.02
23) Nitrobenzene-d5	7.23	82	1397273	108.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	25171	7.90	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	2226544	-20.00	ng	-0.03
78) Terphenyl-d14	12.76	244	1269140	110.02	ng	-0.03
Target Compounds						
49) Dimethylphthalate	9.41	163	269204	11.57	ng	Qvalue # 90
70) Phenanthrene	11.18	178	418148	15.89	ng	99
71) Anthracene	11.24	178	53831m	2.03	ng	
74) Fluoranthene	12.37	202	368683	13.84	ng	99
77) Pyrene	12.60	202	355529	17.76	ng	99
80) Benzo(a)anthracene	13.79	228	151281	9.32	ng	# 91
82) Chrysene	13.83	228	124123m	7.89	ng	
85) Indeno(1,2,3-cd)pyrene	16.43	276	72830	5.88	ng	95
87) Benzo(b)fluoranthene	14.80	252	141352m	7.54	ng	
88) Benzo(k)fluoranthene	14.81	252	59251m	3.82	ng	
89) Benzo(a)pyrene	15.12	252	94245	5.90	ng	# 85
91) Benzo(g,h,i)perylene	16.81	276	69427	5.13	ng	96

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

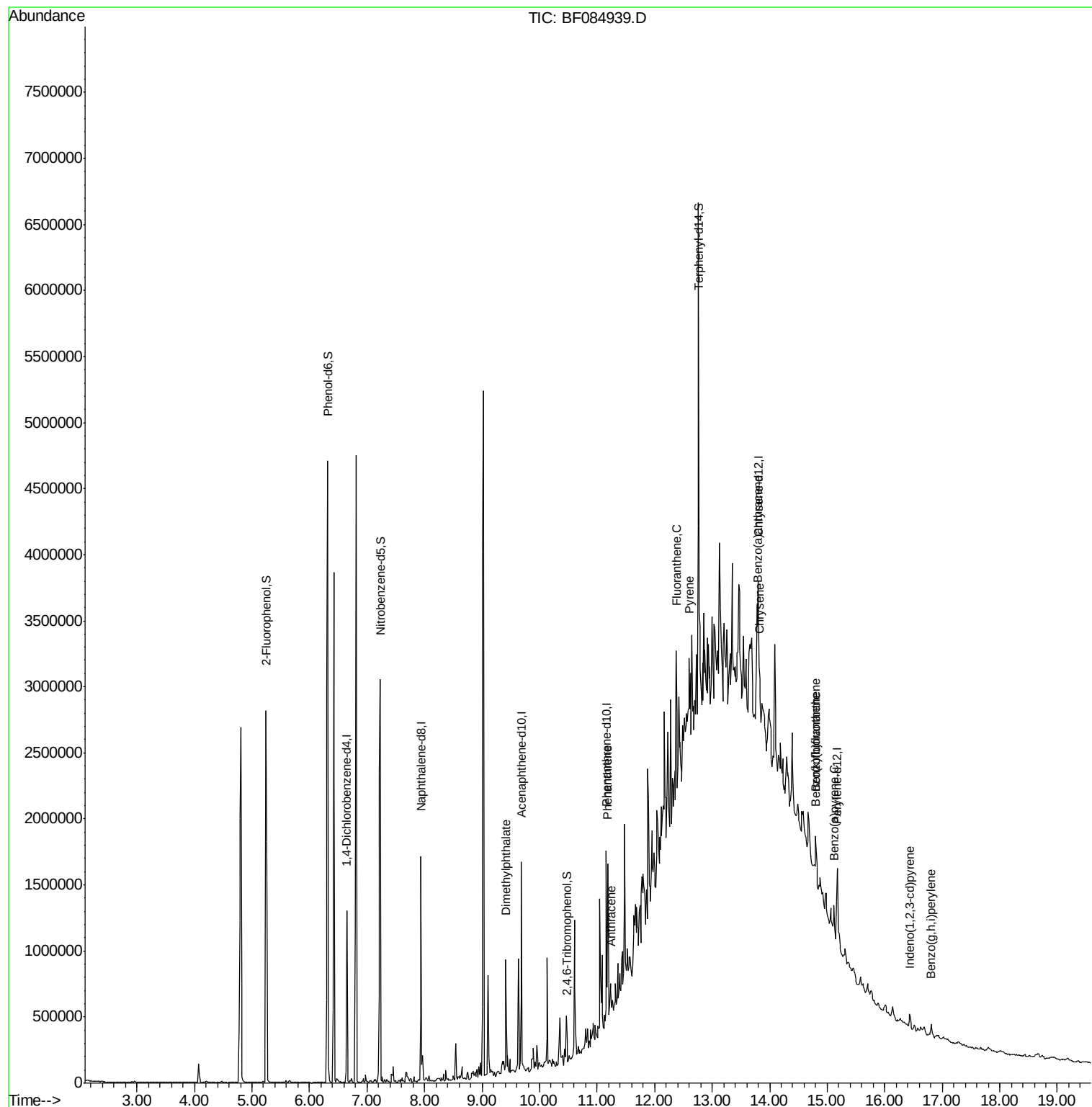
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084939.D
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Sample : H1329-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

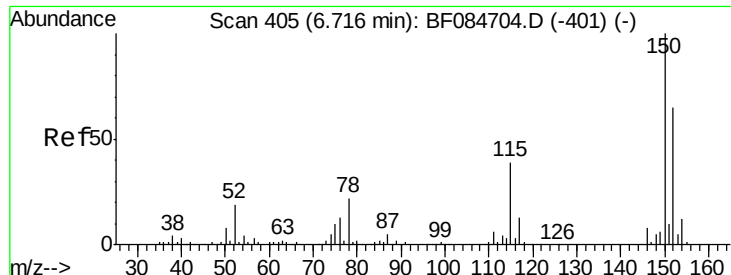
Instrument :
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ClientSampleId :
S4-B007(10-12)

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Quant Time: Feb 09 03:32:33 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
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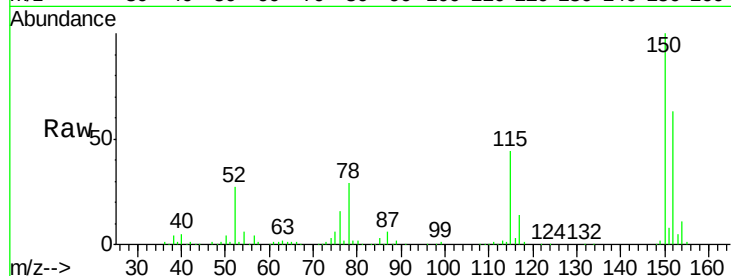




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

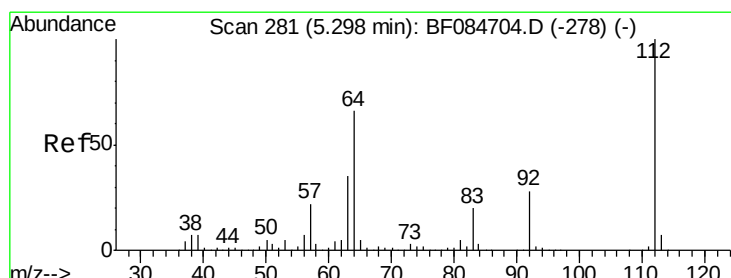
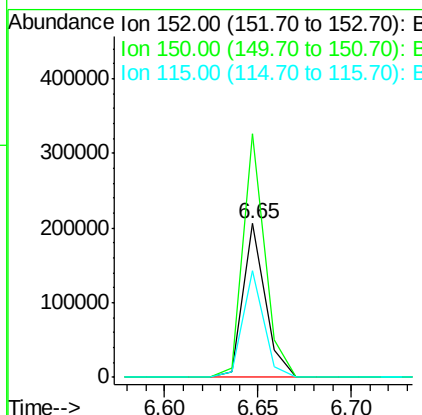
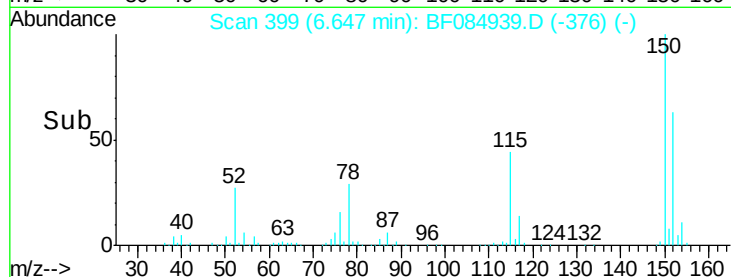
Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	171627		
150	158.2	123.0	184.4	
115	69.5	51.4	77.2	

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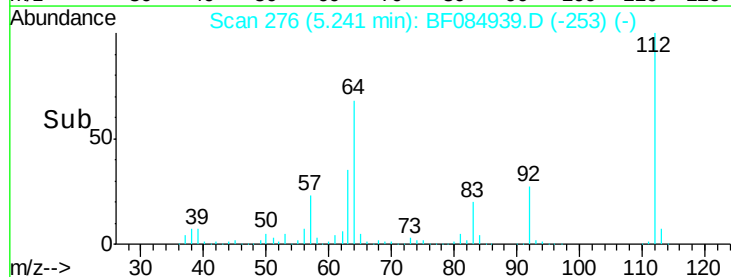
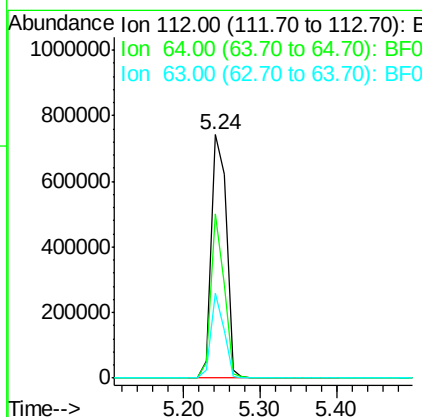
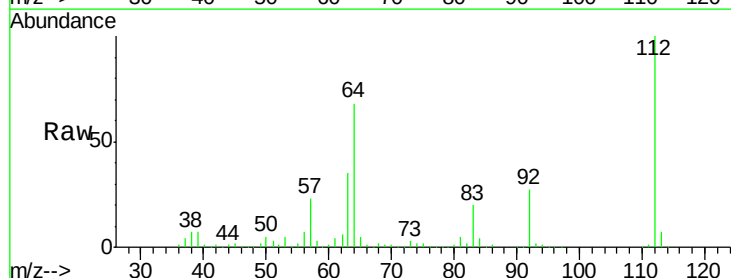
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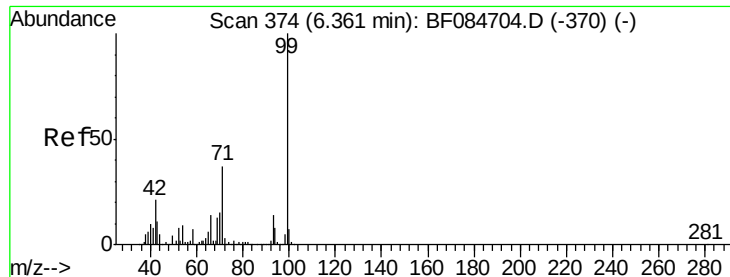


#5

2-Fluorophenol
Concen: 90.51 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	997347		
64	67.5	36.6	55.0#	
63	34.9	19.4	29.0#	





#7

Phenol-d6

Concen: 143.73 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

Tgt Ion: 99 Resp: 1963292

Ion Ratio Lower Upper

99 100

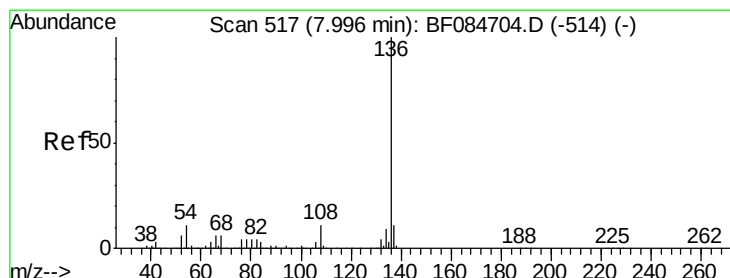
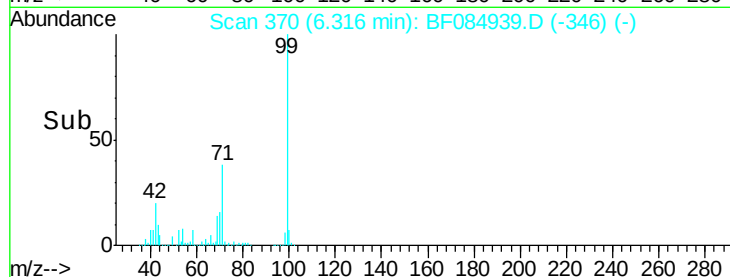
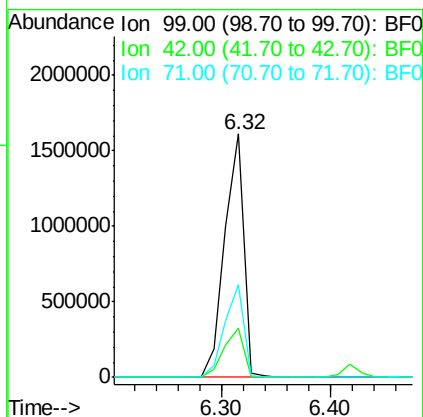
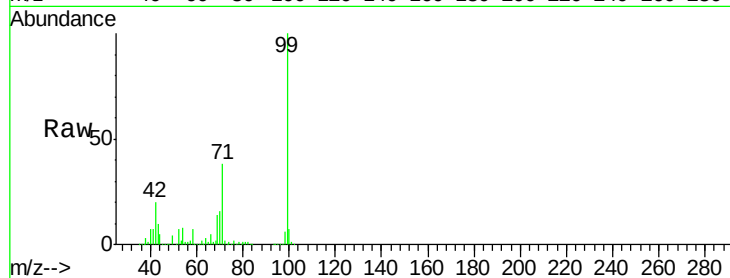
42 20.0 12.8 19.2#

71 37.8 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Tgt Ion: 136 Resp: 728212

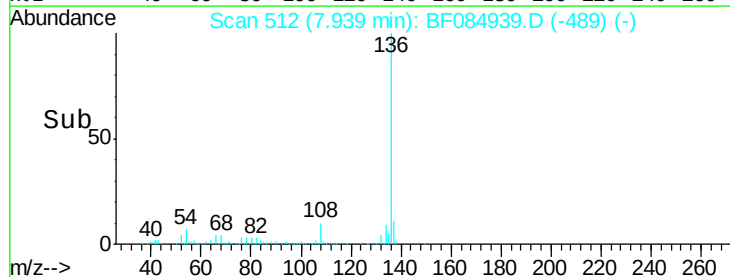
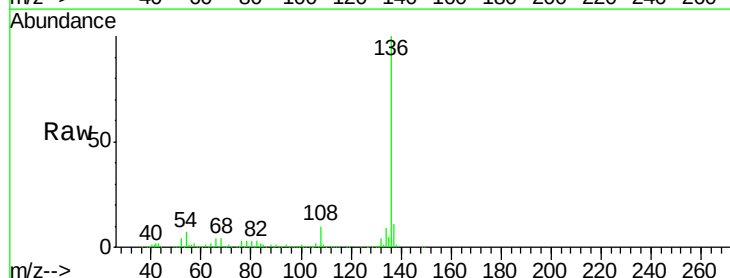
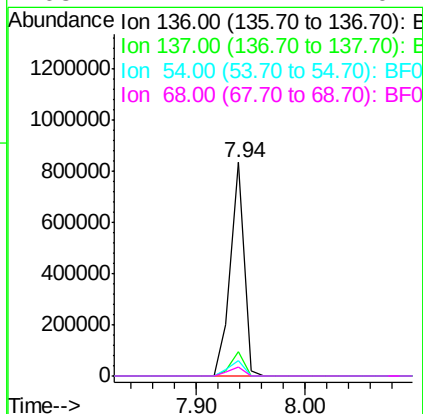
Ion Ratio Lower Upper

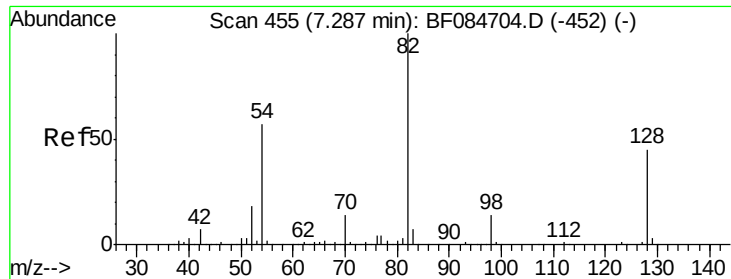
136 100

137 11.3 8.7 13.1

54 7.4 5.8 8.8

68 4.1 4.2 6.2#





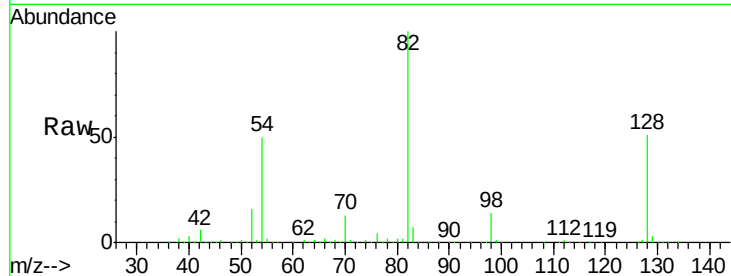
#23
 Nitrobenzene-d5
 Concen: 108.09 ng
 RT: 7.23 min Scan# 450
 Delta R.T. -0.03 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

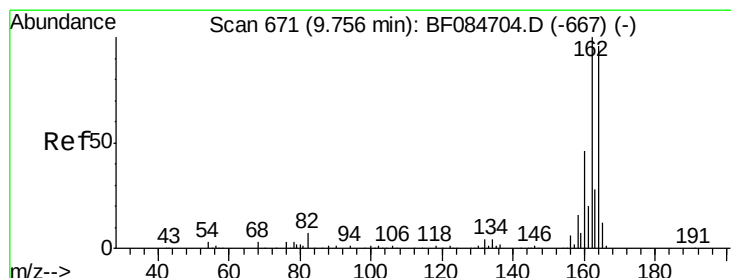
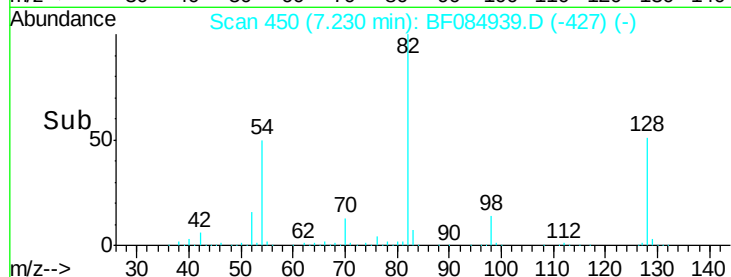
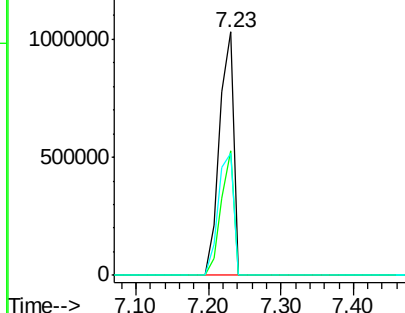
Tgt Ion: 82 Resp: 1397273
 Ion Ratio Lower Upper
 82 100
 128 50.9 34.6 51.8
 54 50.3 38.4 57.6

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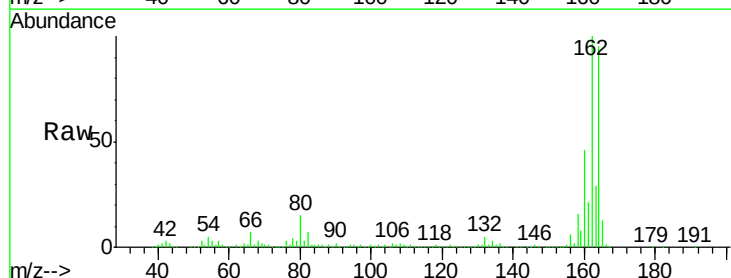


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

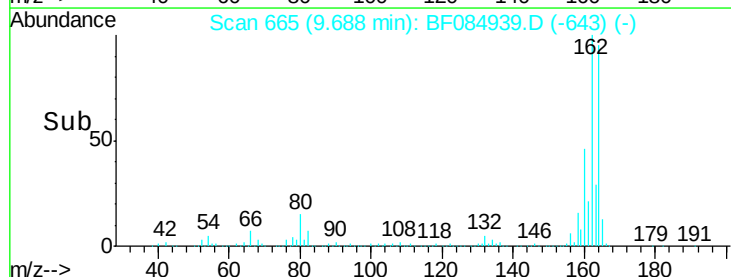
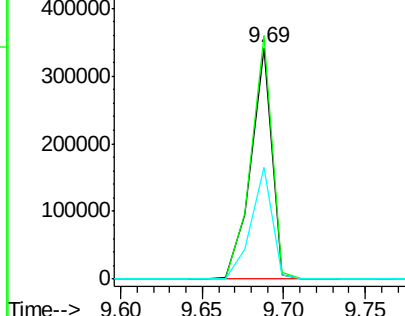


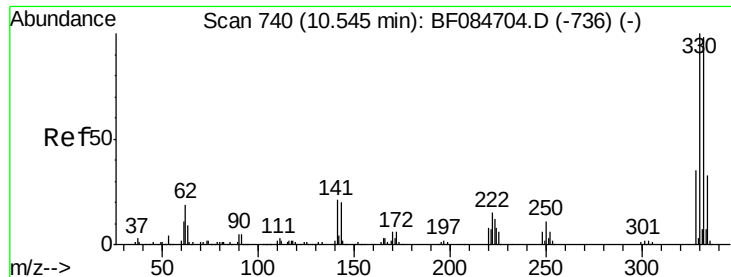
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.69 min Scan# 665
 Delta R.T. -0.05 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Tgt Ion: 164 Resp: 305438
 Ion Ratio Lower Upper
 164 100
 162 105.5 85.1 127.7
 160 48.5 37.5 56.3



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





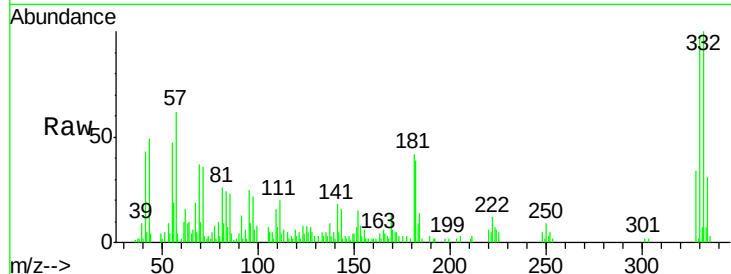
#41
 2,4,6-Tribromophenol
 Concen: 7.90 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	25171		
332	99.3	76.6	114.8	
141	44.1	27.8	41.6#	

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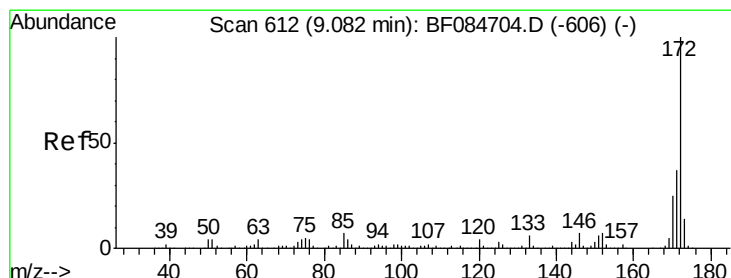
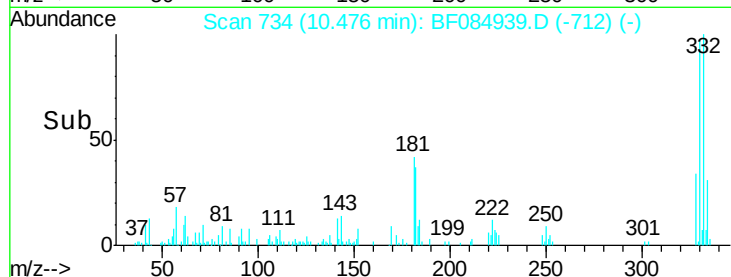
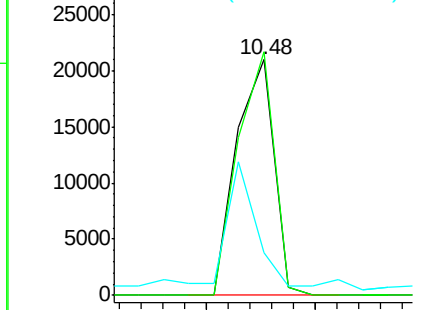


Abundance

Ion 329.80 (329.50 to 330.50): E

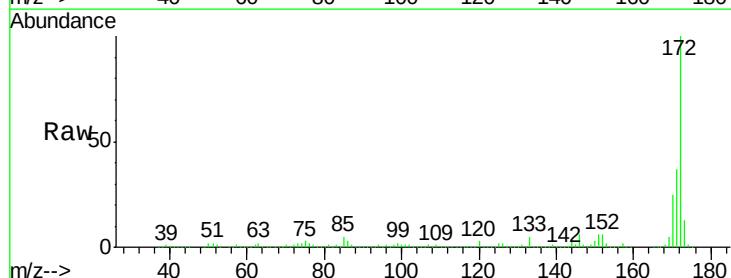
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: -20.00 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084939.D
 Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2226544		
171	37.5	28.9	43.3	
170	25.2	18.6	27.8	

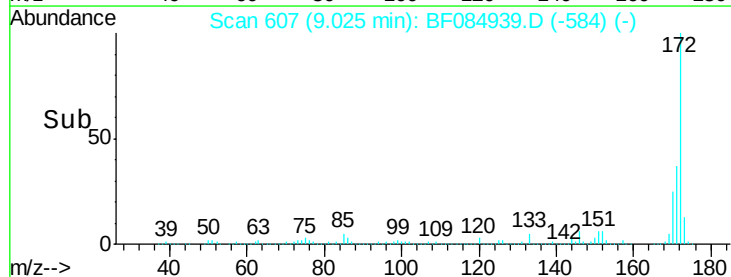
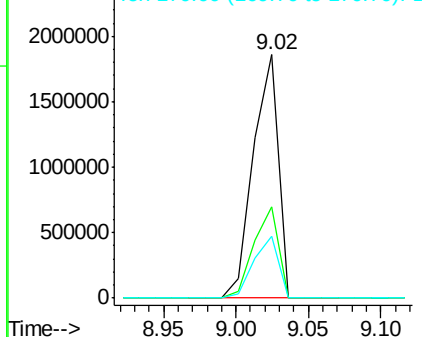


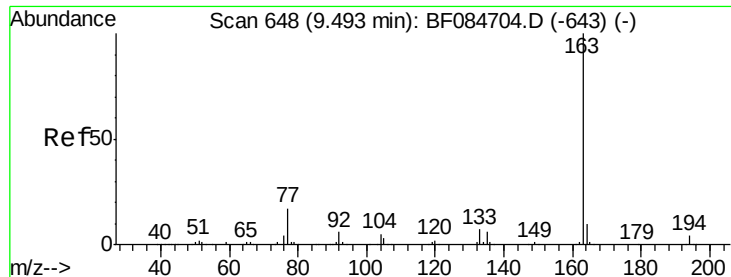
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





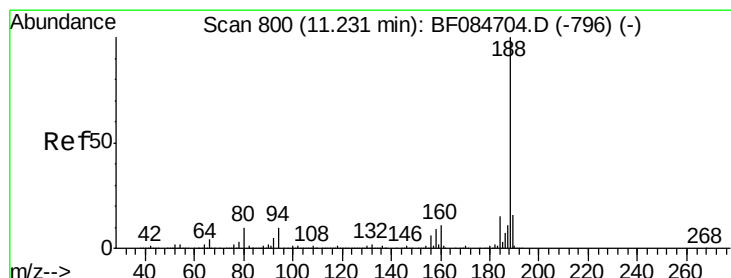
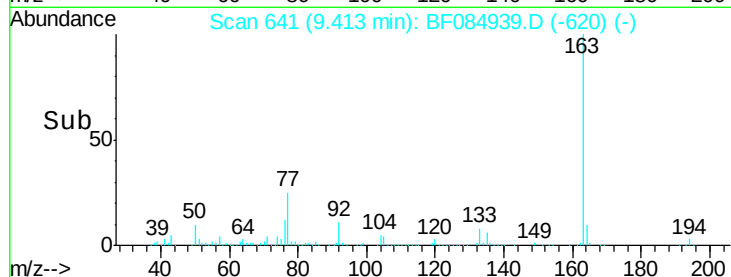
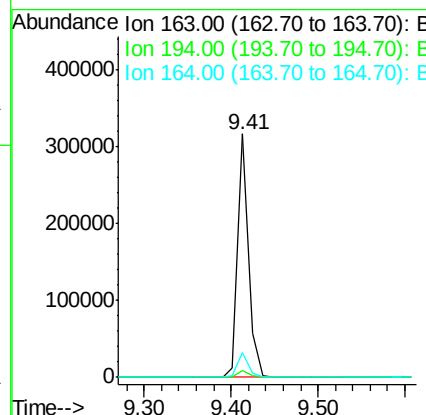
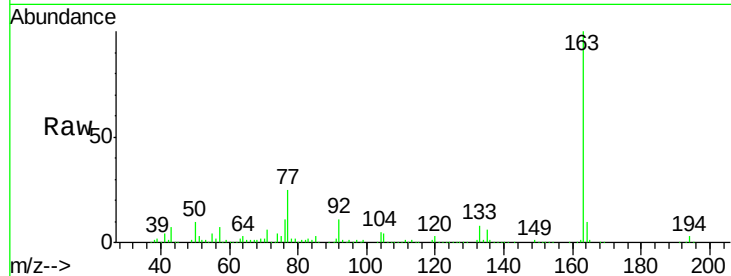
#49
Dimethylphthalate
Concen: 11.57 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	8.0	12.0#
164	10.3	8.0	12.0

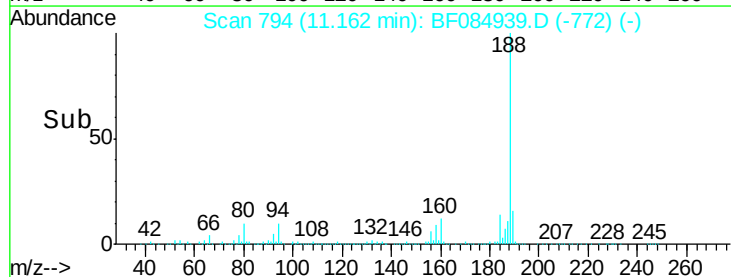
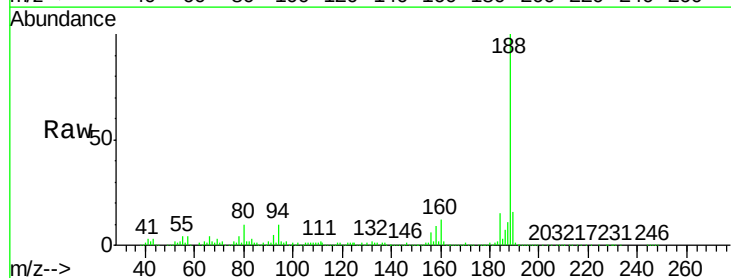
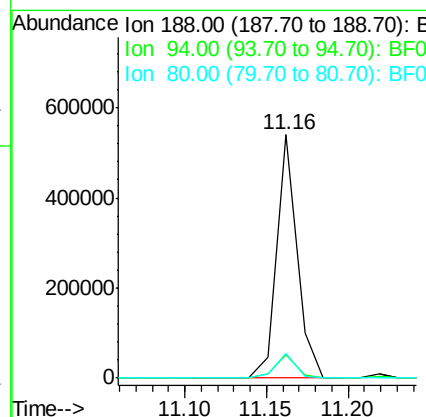
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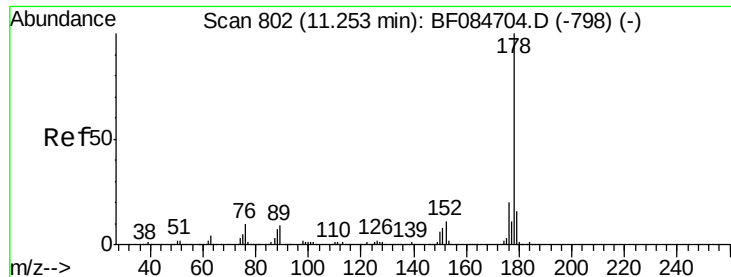
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	9.0	13.4
80	10.4	9.6	14.4





#70

Phenanthrene

Concen: 15.89 ng

RT: 11.18 min Scan# 796

Delta R.T. -0.05 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

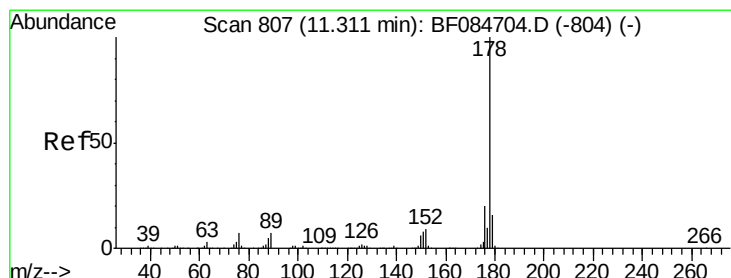
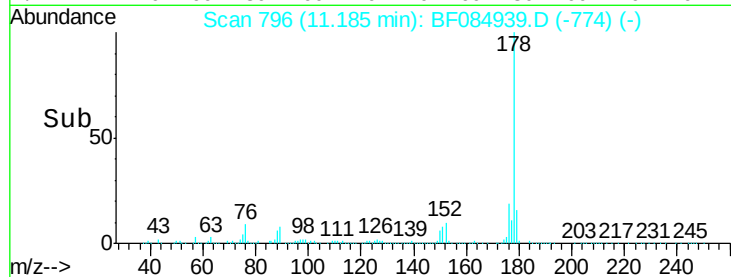
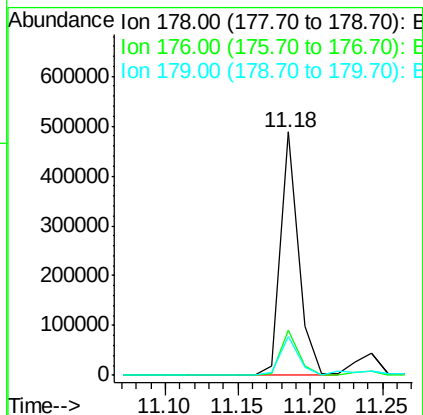
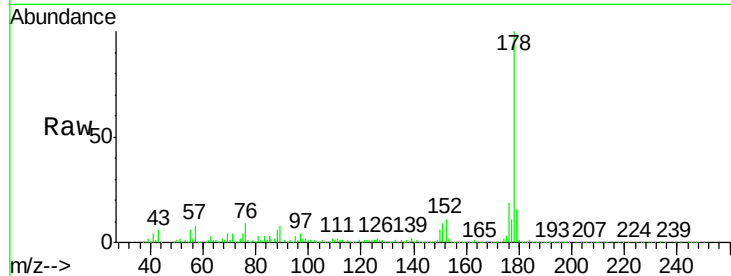
ClientSampleId :

S4-B007(10-12)

Tgt Ion:	178	Resp:	418148
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.3	22.9
179	15.7	12.0	18.0

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#71

Anthracene

Concen: 2.03 ng m

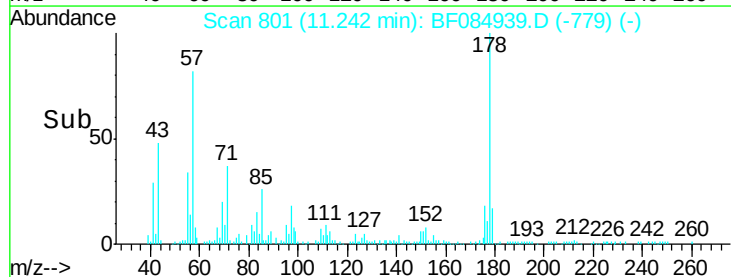
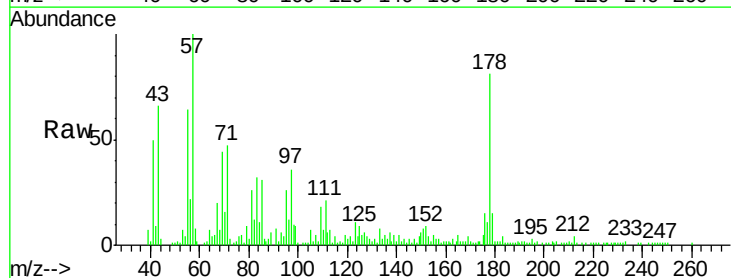
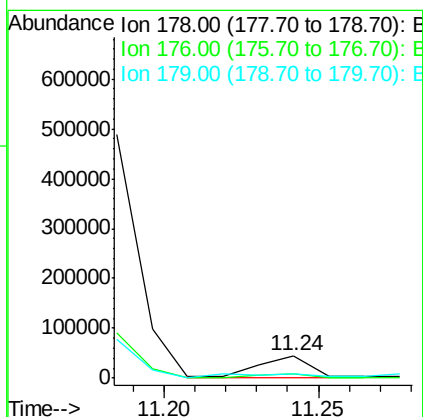
RT: 11.24 min Scan# 801

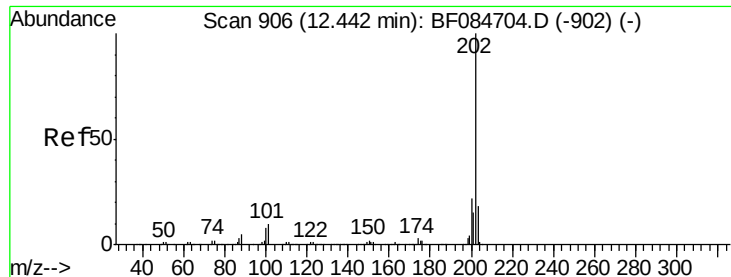
Delta R.T. -0.05 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Tgt Ion:	178	Resp:	53831
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.4	23.0
179	19.2	12.5	18.7#





#74

Fluoranthene

Concen: 13.84 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

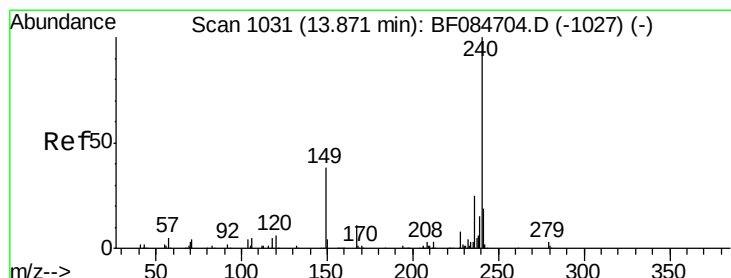
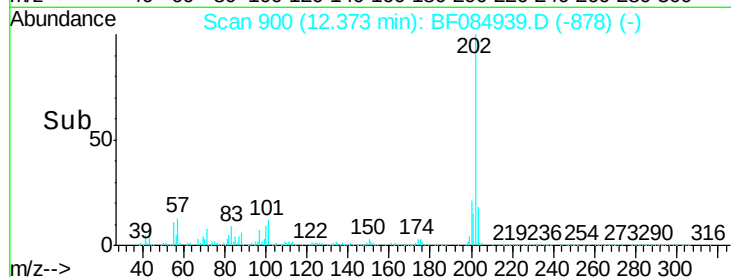
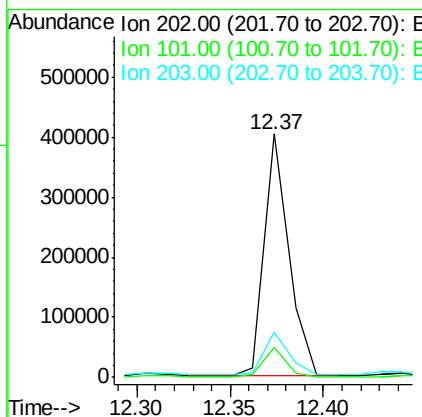
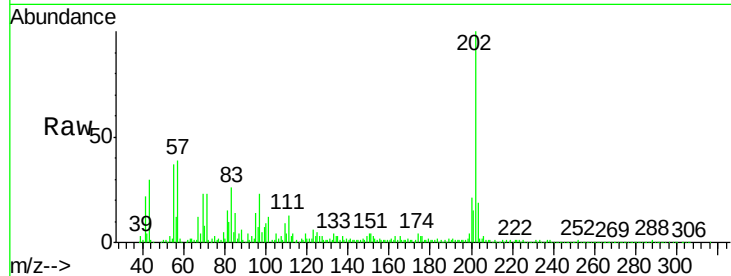
ClientSampleId :

S4-B007(10-12)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		368683		
101	12.2	0.0	32.8		
203	18.5	0.0	37.9		

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#75

Chrysene-d12

Concen: 20.00 ng

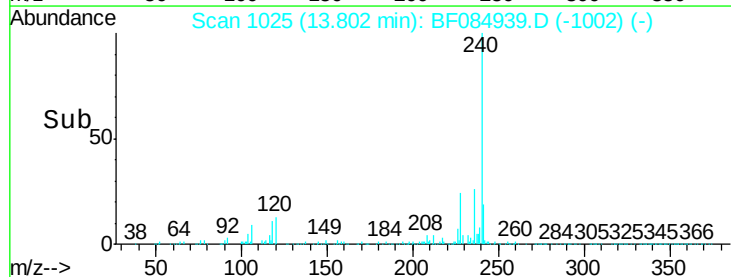
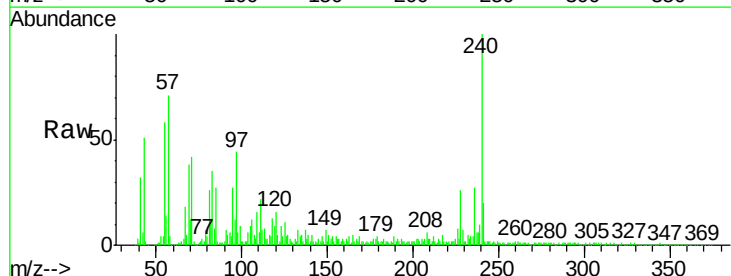
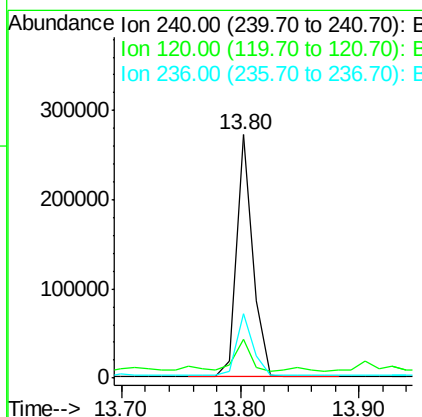
RT: 13.80 min Scan# 1025

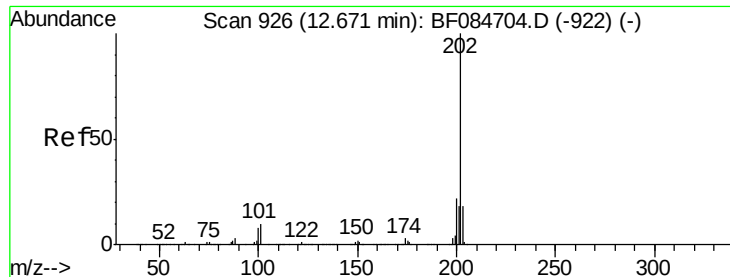
Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		261405		
120	16.0	9.5	14.3#		
236	26.7	20.6	31.0		





#77

Pyrene

Concen: 17.76 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

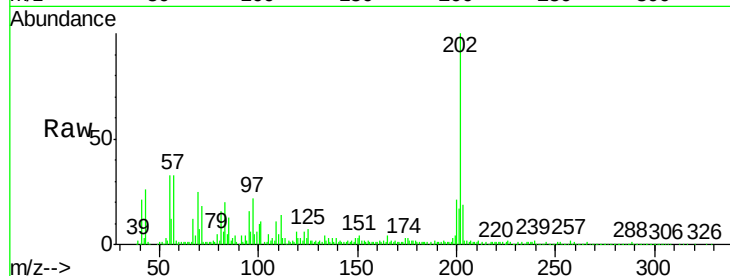
ClientSampleId :

S4-B007(10-12)

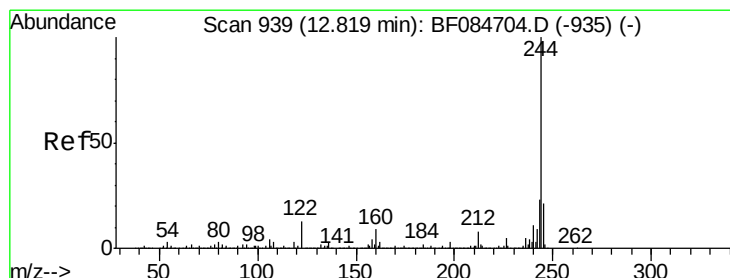
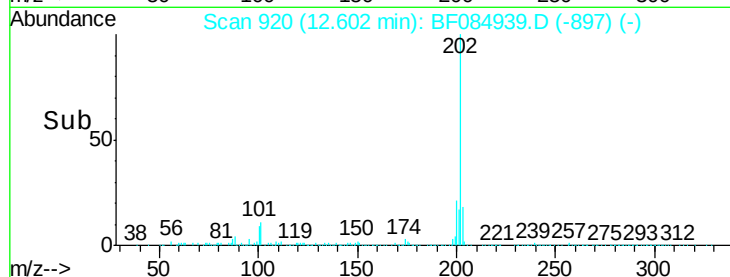
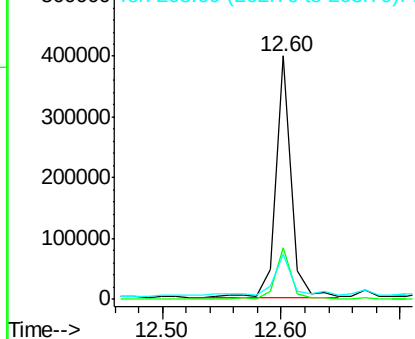
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.2	25.8	
203	18.8	14.3	21.5	

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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: 110.02 ng

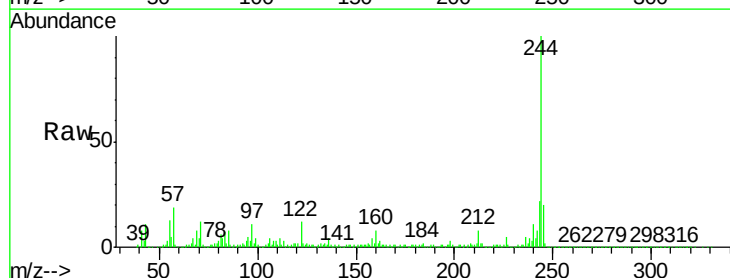
RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

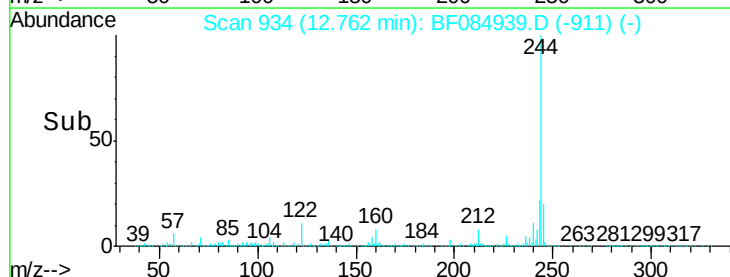
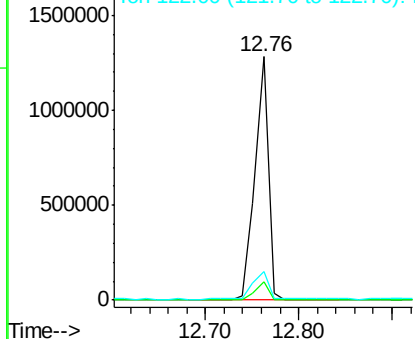
Lab File: BF084939.D

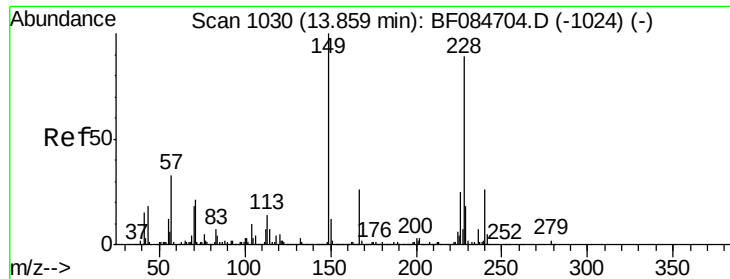
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.7	5.7	8.5	
122	11.9	7.4	11.0#	



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





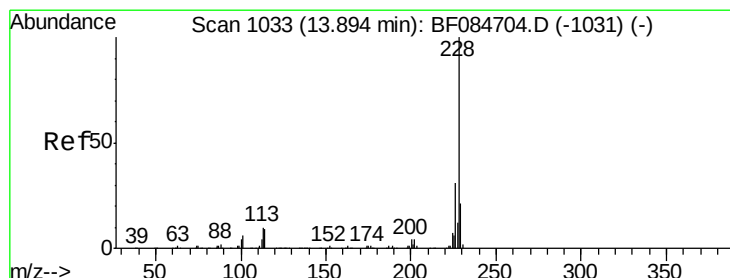
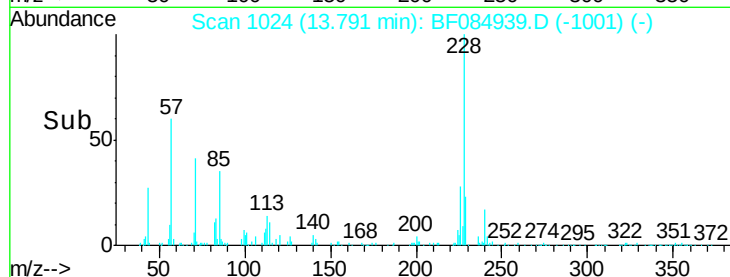
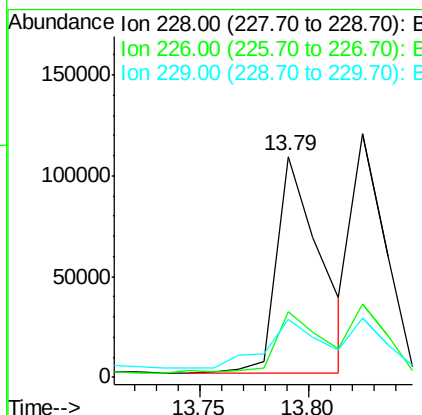
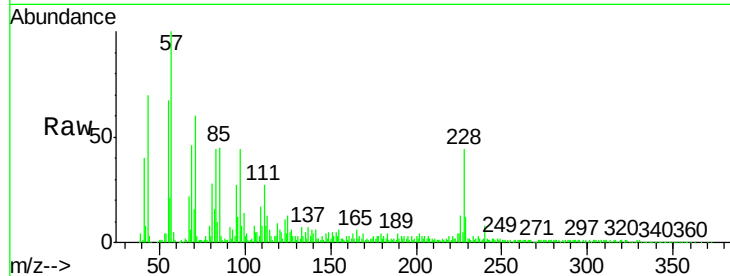
#80
Benzo(a)anthracene
Concen: 9.32 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.8	32.6
229	26.2	15.8	23.8

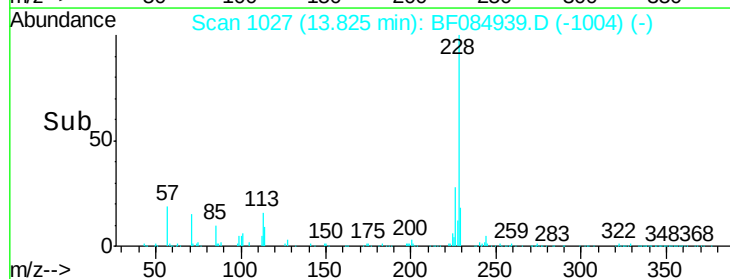
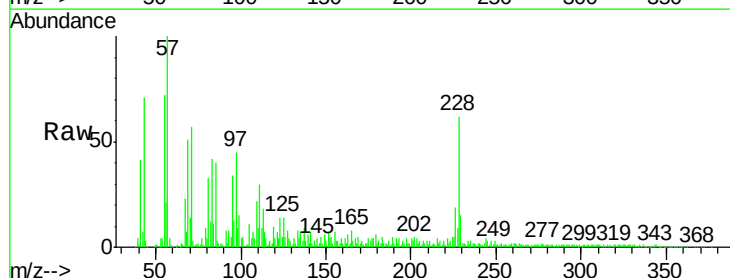
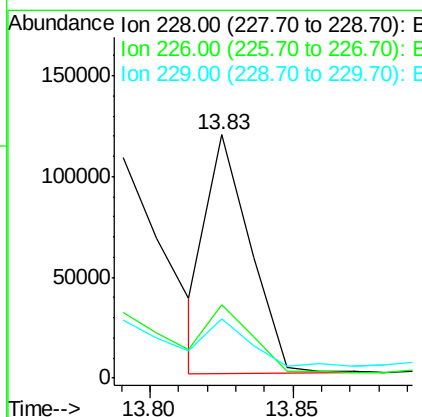
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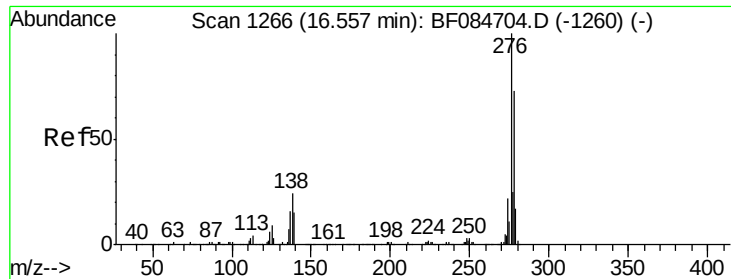
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#82
Chrysene
Concen: 7.89 ng m
RT: 13.83 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	24.3	16.1	24.1





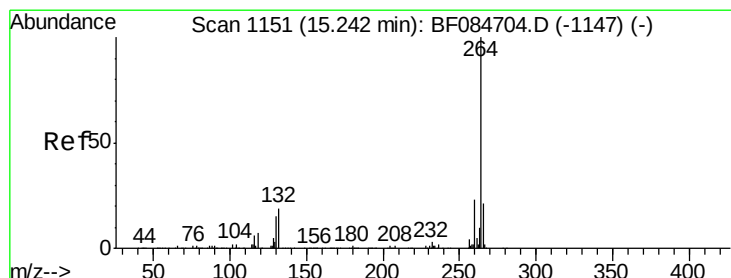
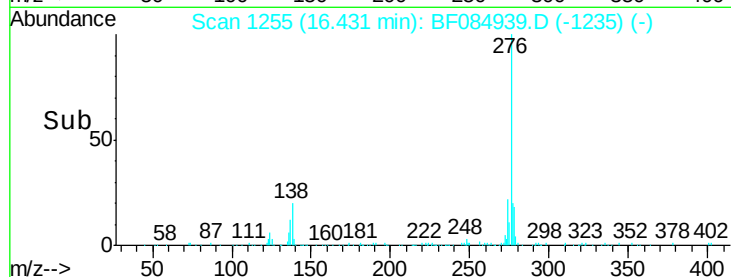
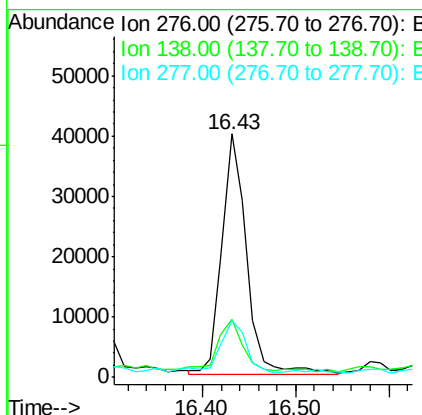
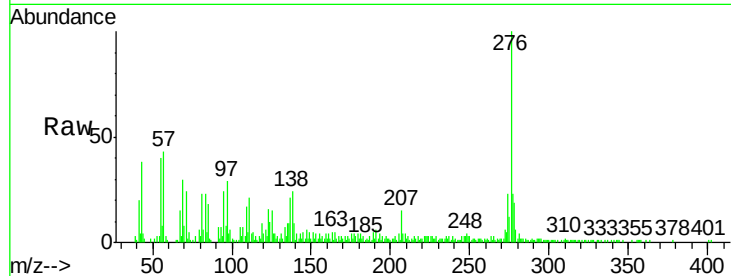
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.88 ng
RT: 16.43 min Scan# 1255
Delta R.T. -0.07 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	72830		
138	22.7		20.6	30.8
277	22.7		20.1	30.1

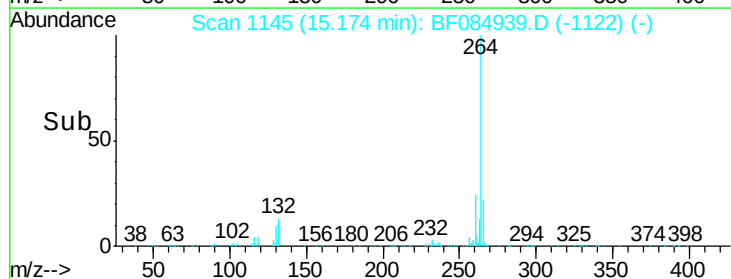
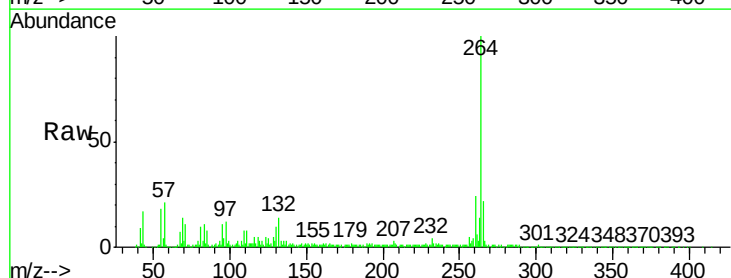
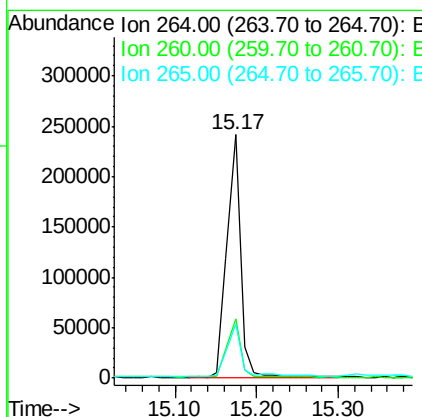
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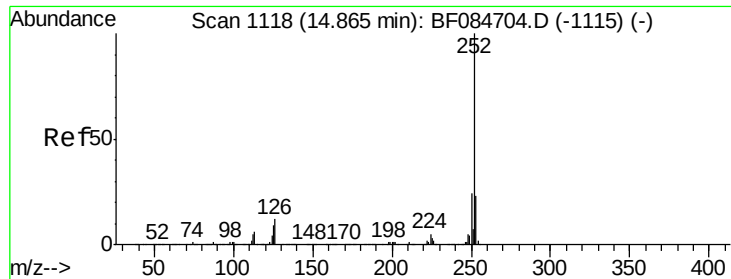
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	278977		
260	24.4		19.4	29.2
265	22.2		17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 7.54 ng m

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084939.D

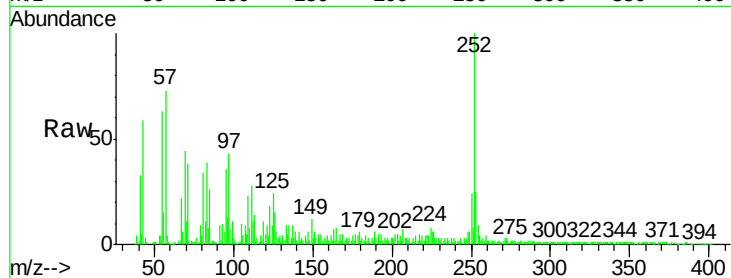
Acq: 8 Feb 2016 20:10

Instrument :

BNA_F

ClientSampleId :

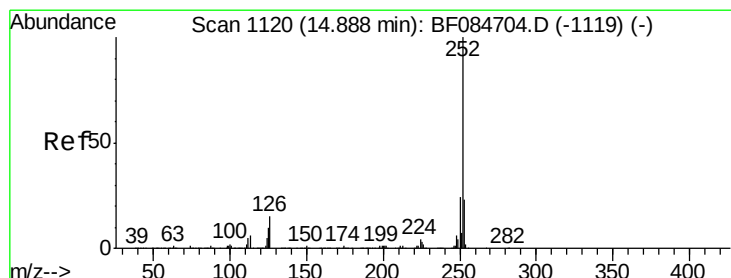
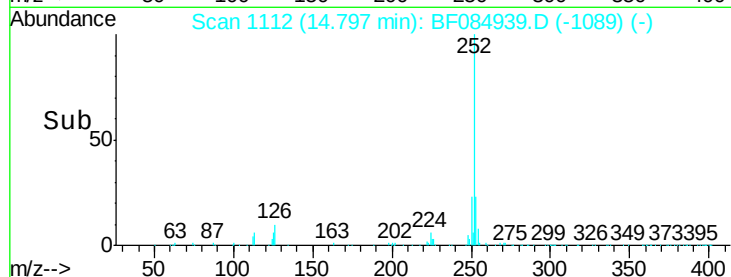
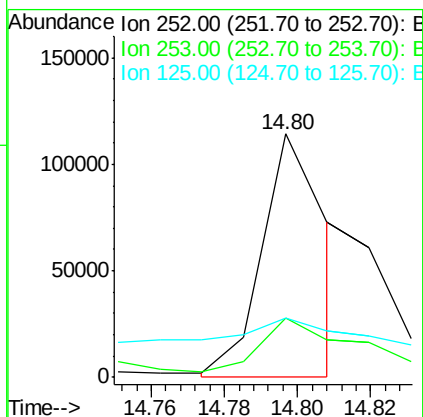
S4-B007(10-12)



Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.6	17.3	25.9	
125	24.2	6.5	9.7#	

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#88

Benzo(k)fluoranthene

Concen: 3.82 ng m

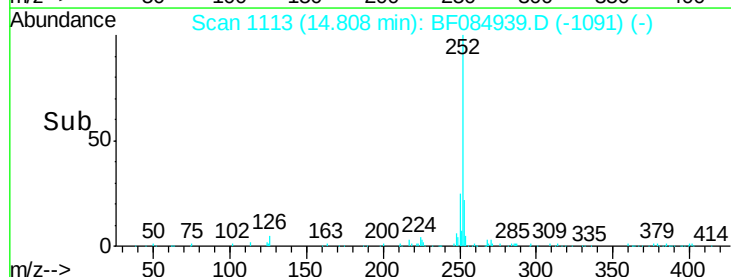
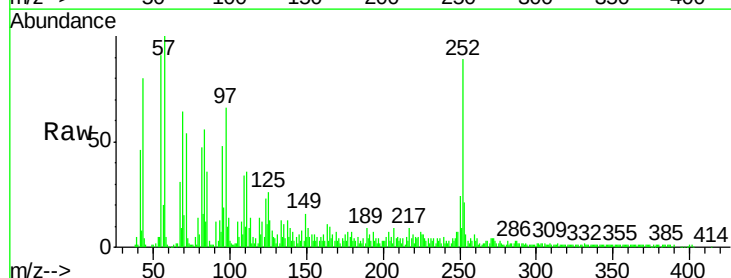
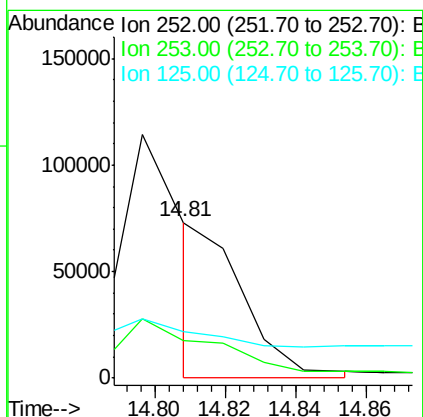
RT: 14.81 min Scan# 1113

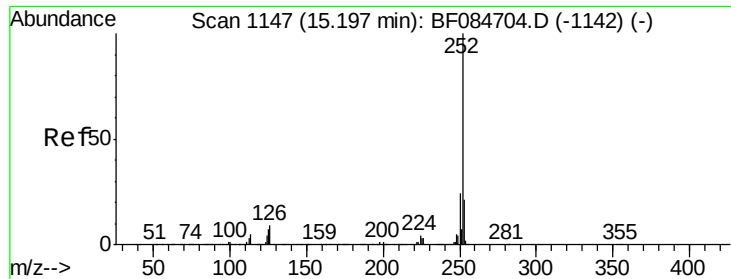
Delta R.T. -0.05 min

Lab File: BF084939.D

Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.2	18.1	27.1	
125	29.8	9.0	13.6#	





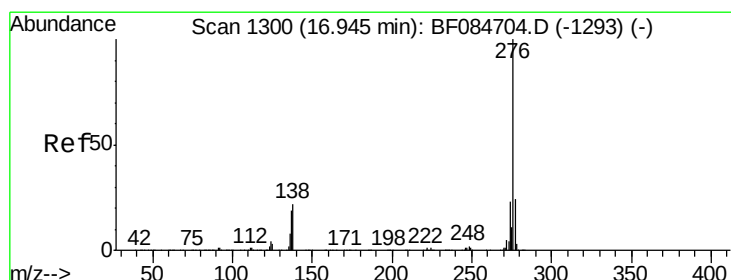
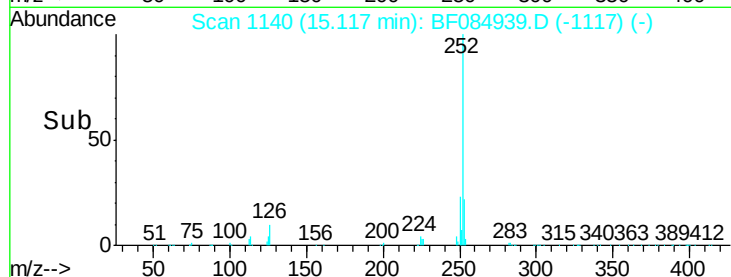
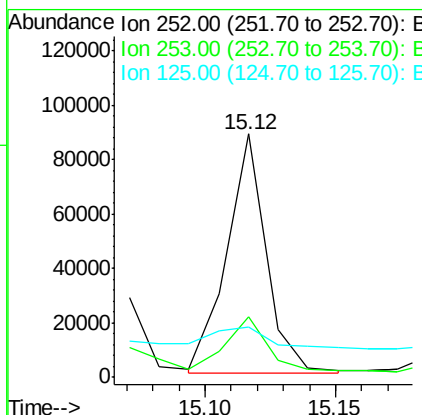
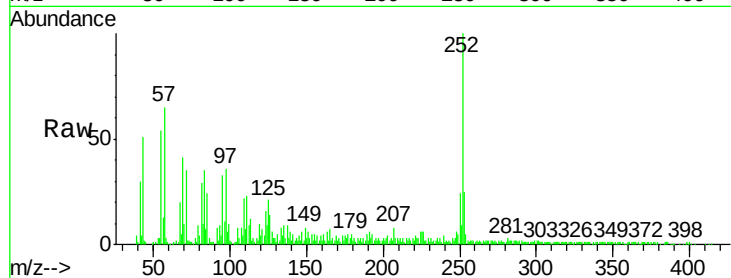
#89
Benzo(a)pyrene
Concen: 5.90 ng
RT: 15.12 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.3	25.9
125	20.8	7.0	10.4

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#91
Benzo(g,h,i)perylene
Concen: 5.13 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.08 min
Lab File: BF084939.D
Acq: 8 Feb 2016 20:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.8	28.2
138	24.7	17.8	26.6

