

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096526.D
 Acq On : 6 Jul 2017 12:04
 Operator : SJ/MA
 Sample : I4052-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Manual Integrations
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Quant Time: Jul 06 18:41:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	128360	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	524868	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	220803	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	348065	20.00	ng	0.00
75) Chrysene-d12	13.86	240	244366	20.00	ng	0.00
86) Perylene-d12	15.27	264	219435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	856100	98.44	ng	0.00
7) Phenol-d6	6.35	99	1036865	96.98	ng	0.00
23) Nitrobenzene-d5	7.27	82	597403	68.40	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	161719	93.76	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1029323	79.70	ng	0.00
78) Terphenyl-d14	12.82	244	664885	58.14	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	120435	7.307	ng	98
57) Fluorene	10.29	166	50743	3.952	ng	98
70) Phenanthrene	11.25	178	348689	18.532	ng	99
71) Anthracene	11.30	178	77212	4.027	ng	99
74) Fluoranthene	12.44	202	291996	15.828	ng	97
77) Pyrene	12.66	202	281873	14.371	ng	99
80) Benzo(a)anthracene	13.85	228	108941	7.699	ng	94
82) Chrysene	13.89	228	103153	6.961	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	44229	3.781	ng	94
87) Benzo(b)fluoranthene	14.87	252	111435m	8.105	ng	
88) Benzo(k)fluoranthene	14.90	252	27164m	2.209	ng	
89) Benzo(a)pyrene	15.22	252	81102	6.607	ng	# 95
91) Benzo(g,h,i)perylene	17.04	276	46494	4.646	ng	# 93

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

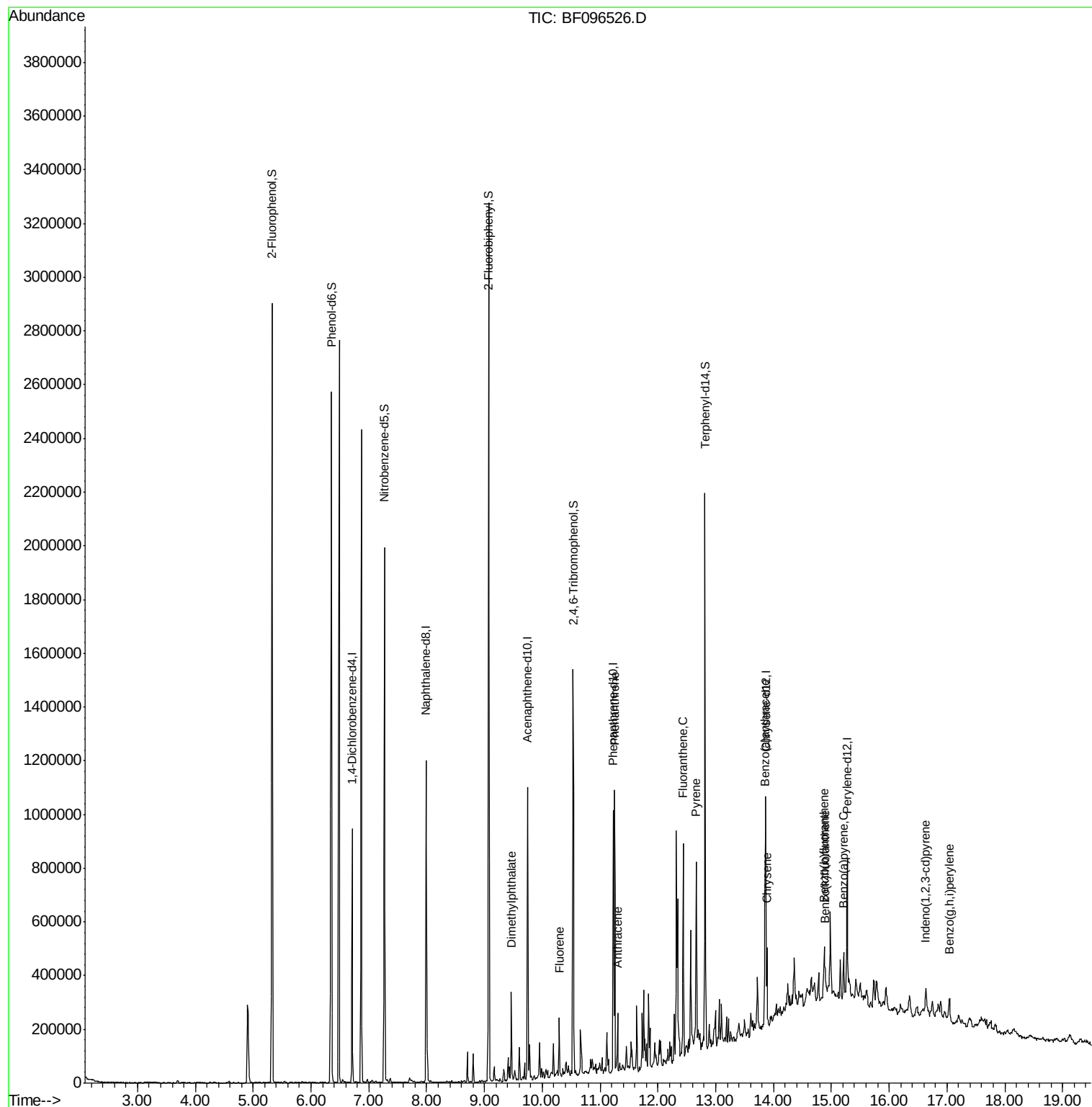
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
Data File : BF096526.D
Acq On : 6 Jul 2017 12:04
Operator : SJ/MA
Sample : I4052-04
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ALS Vial : 5 Sample Multiplier: 1

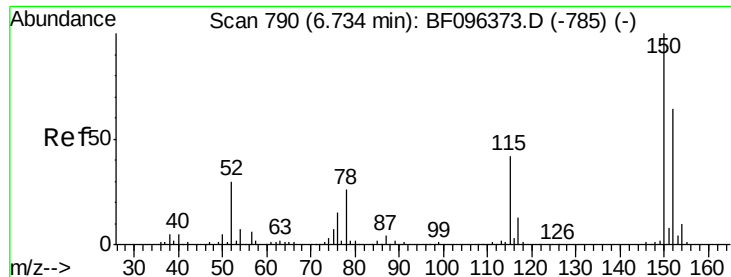
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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#1

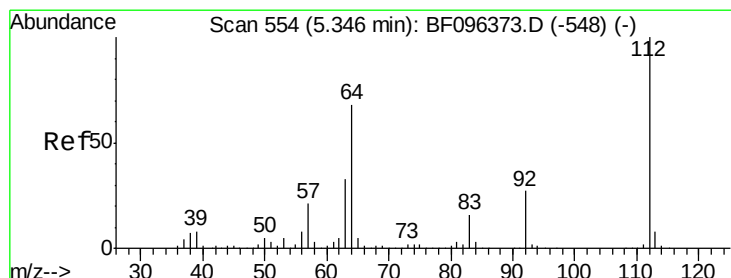
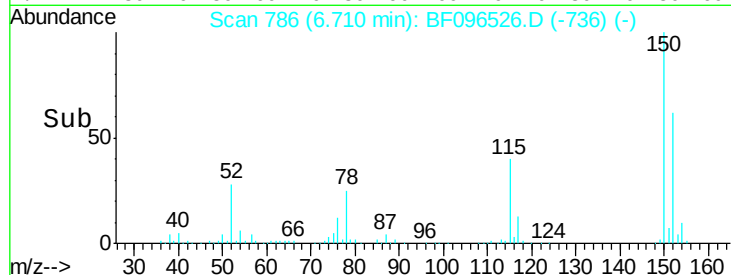
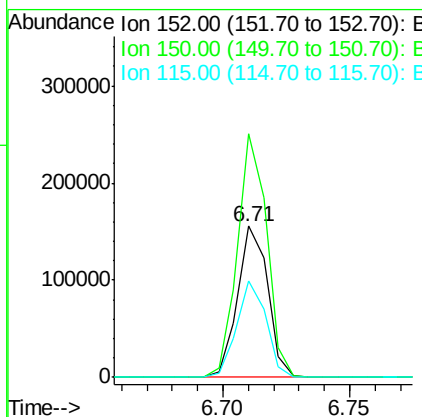
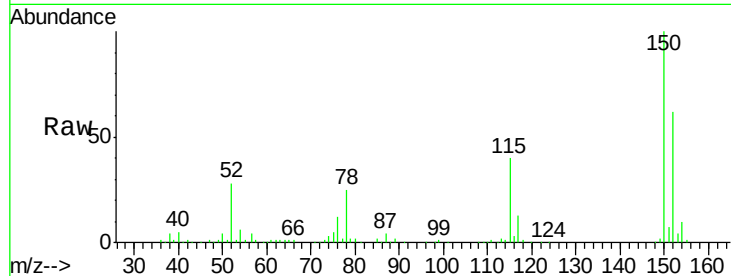
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	128360		
150	161.1	126.2	189.2	
115	63.9	52.2	78.2	

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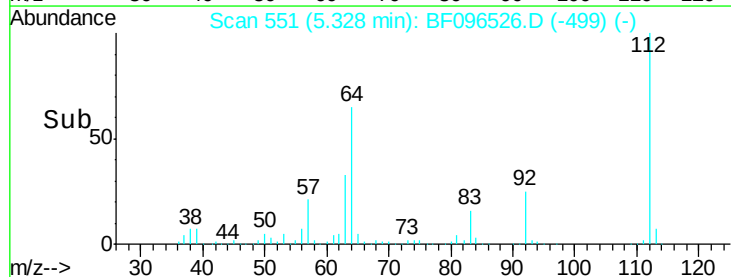
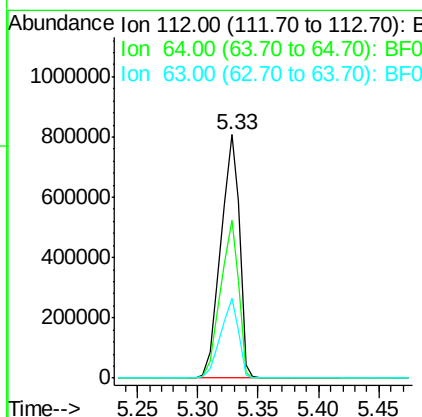
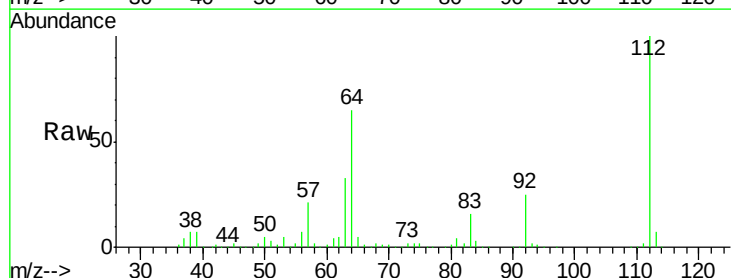
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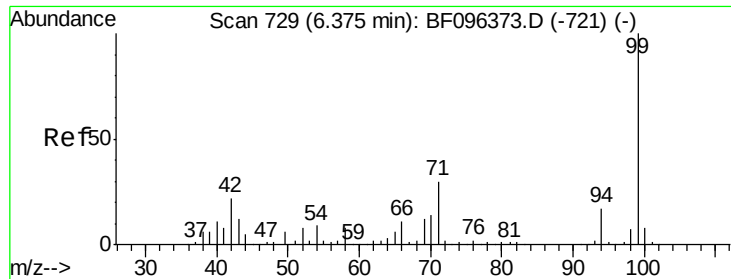


#5

2-Fluorophenol
Concen: 98.440 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	856100		
64	65.0	46.0	69.0	
63	32.7	23.4	35.0	





#7

Phenol-d6

Concen: 96.981 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

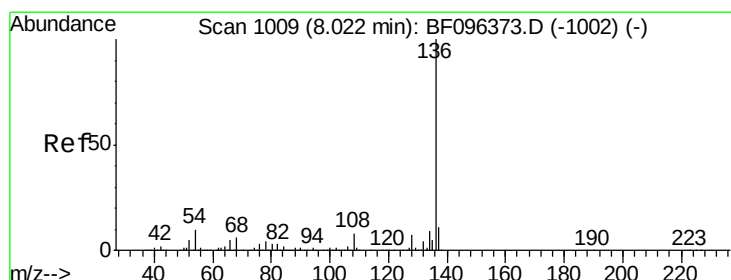
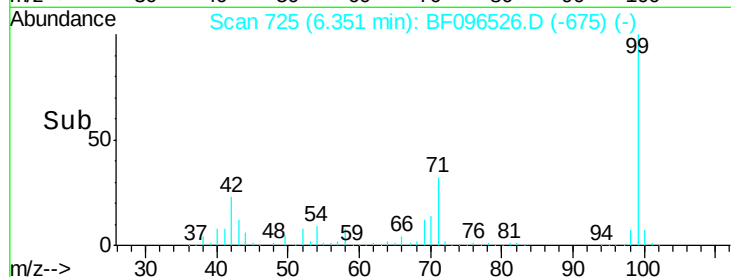
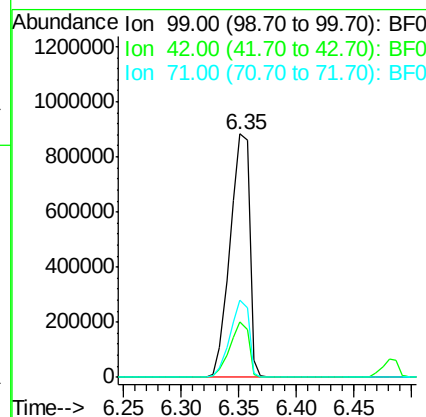
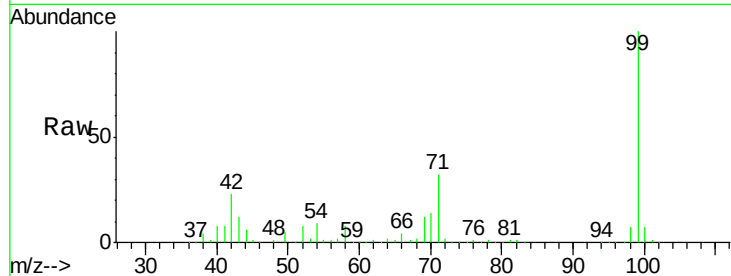
ClientSampleId :

HR-03-070317-B

Tgt Ion	Ion	Ratio	Lower	Upper
99	100			
42	22.5	13.5	20.3#	
71	31.8	24.5	36.7	

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#21

Naphthalene-d8

Concen: 20.000 ng

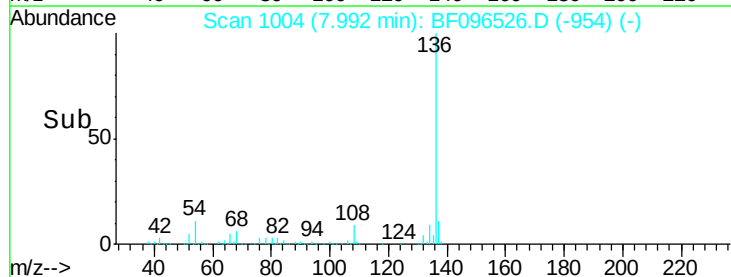
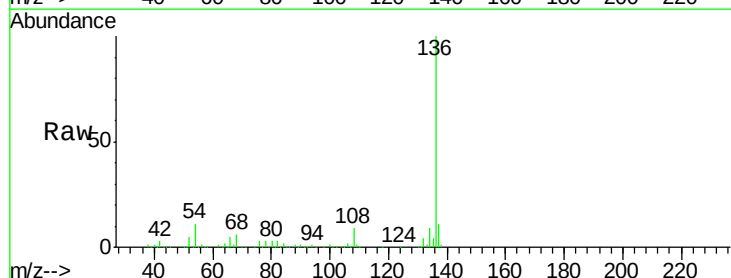
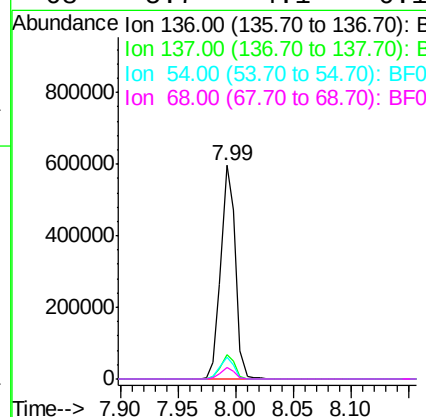
RT: 7.99 min Scan# 1004

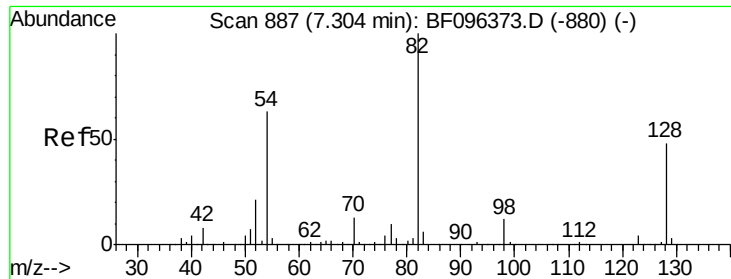
Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.5	4.9	7.3#	
68	5.7	4.1	6.1	





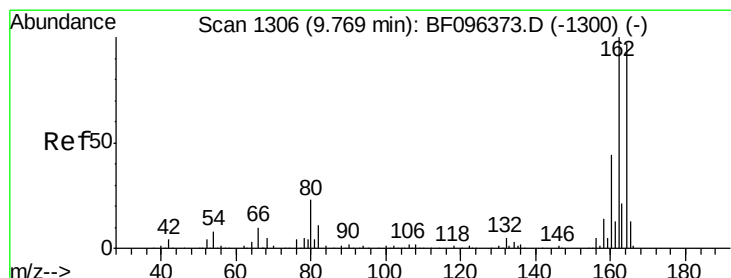
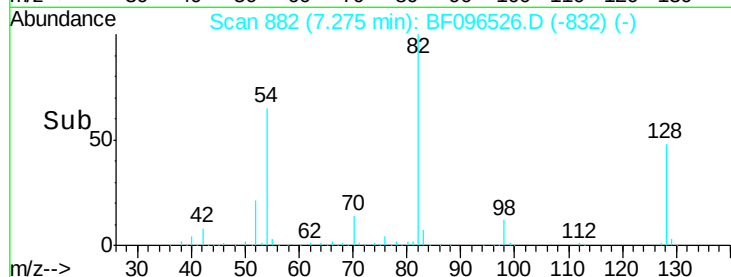
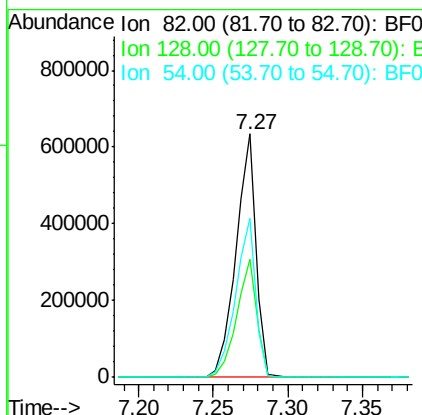
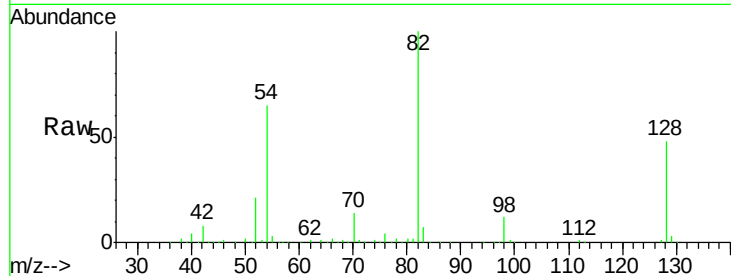
#23
 Nitrobenzene-d5
 Concen: 68.395 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	597403		
128	48.4	34.0	51.0	
54	65.2	42.2	63.2	

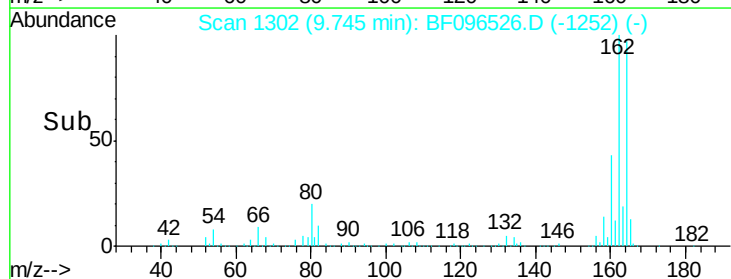
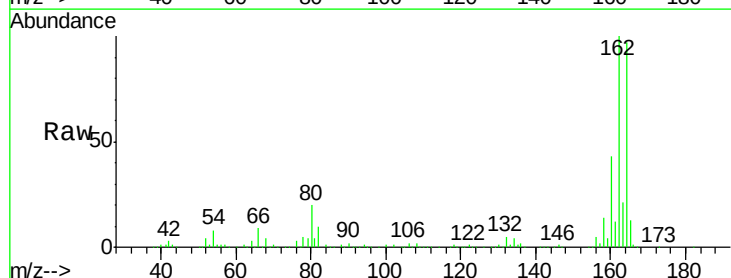
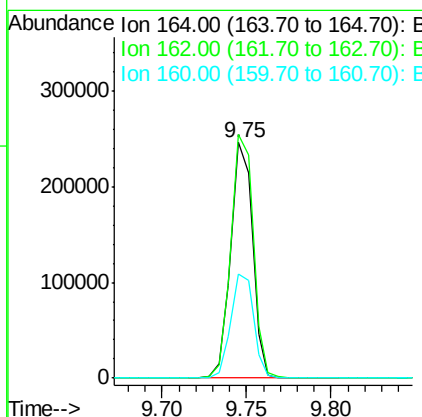
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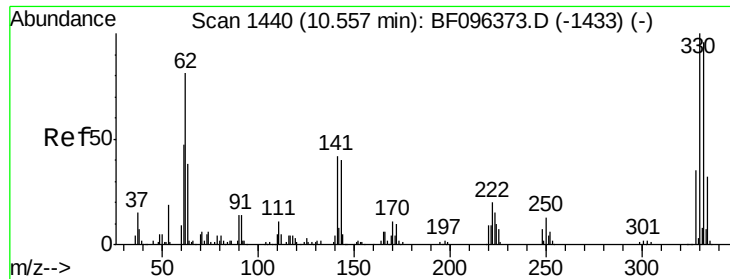
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	220803		
162	103.4	82.6	123.8	
160	44.4	36.2	54.2	





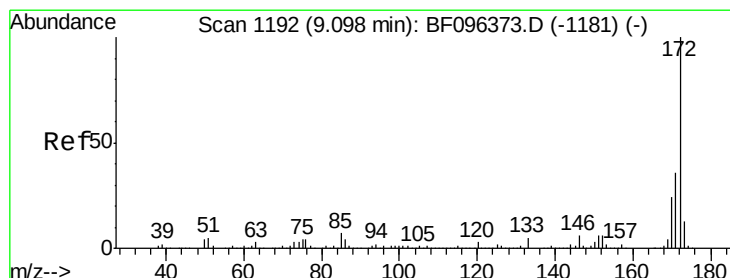
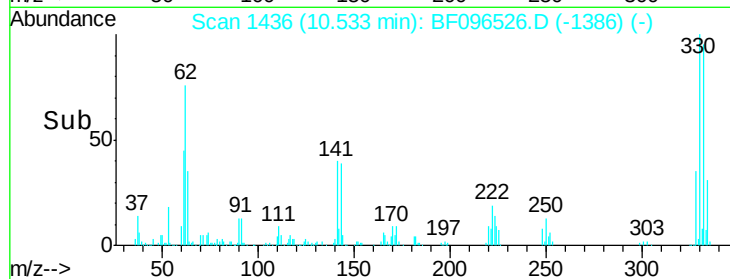
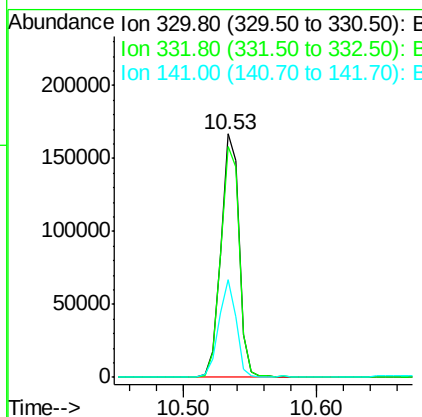
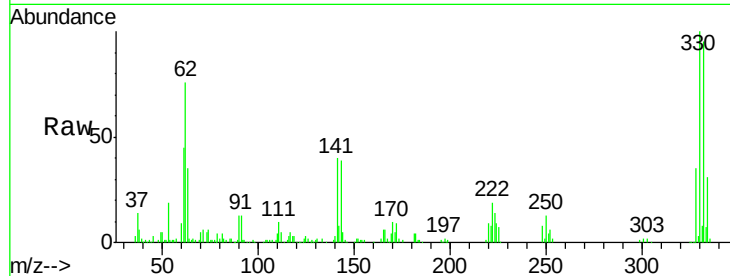
#41
 2,4,6-Tribromophenol
 Concen: 93.764 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	37.3	31.4	47.2

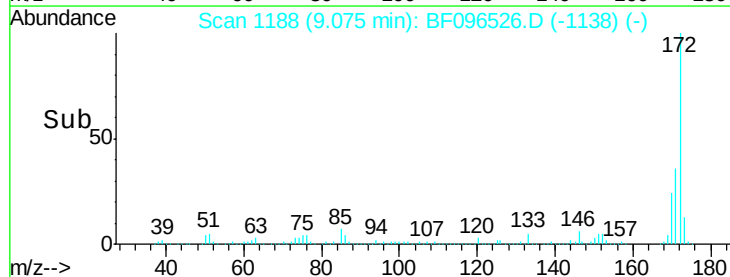
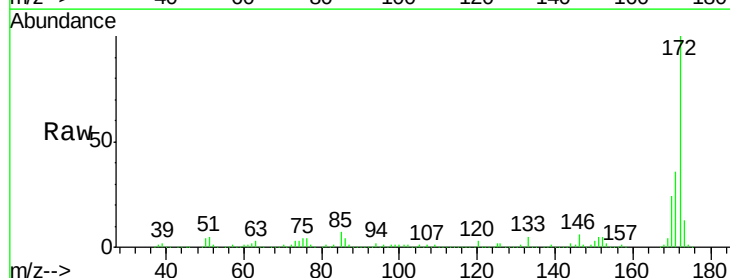
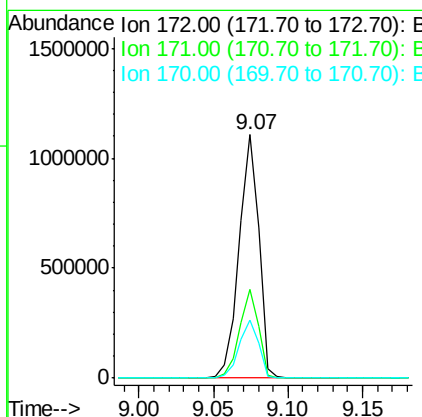
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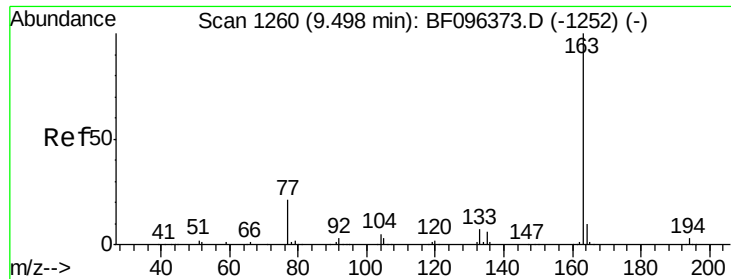
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#44
 2-Fluorobiphenyl
 Concen: 79.705 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.1	19.8	29.8





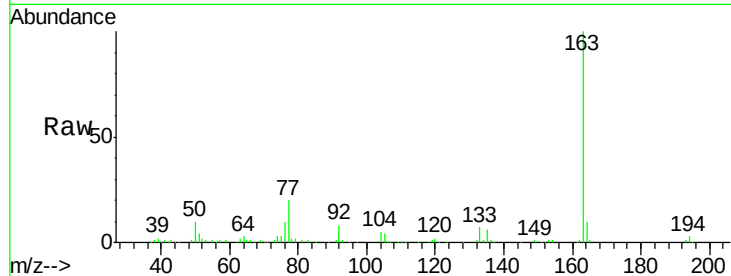
#49
Dimethylphthalate
Concen: 7.307 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

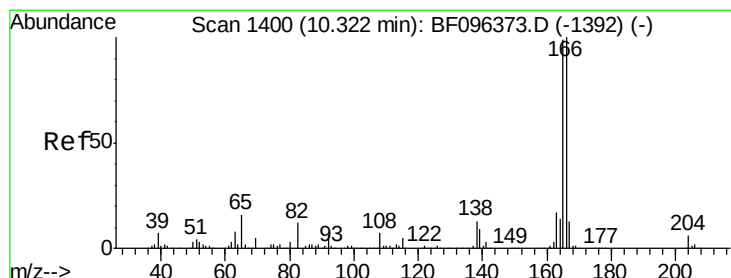
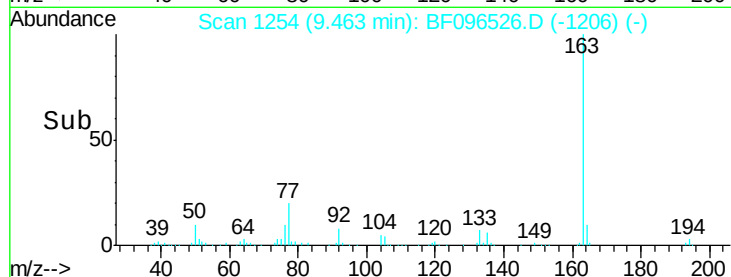
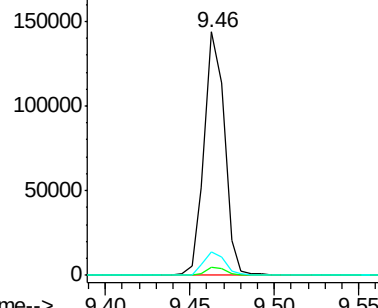
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	2.6	4.0
164	9.6	8.4	12.6

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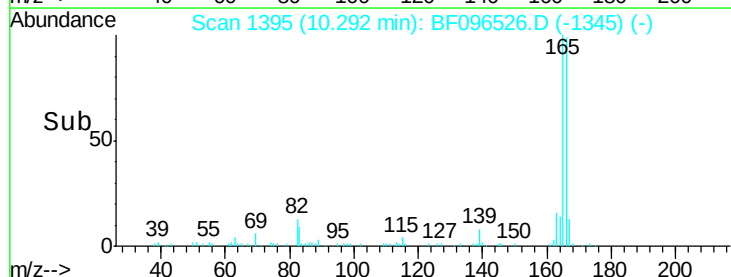
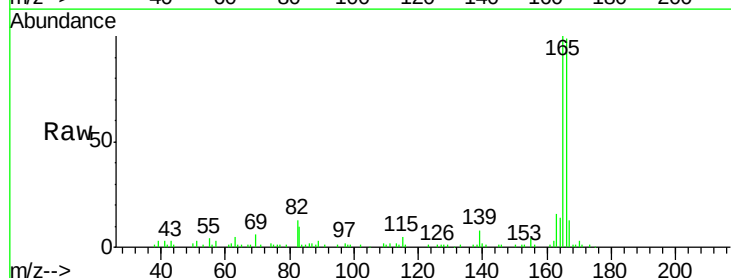
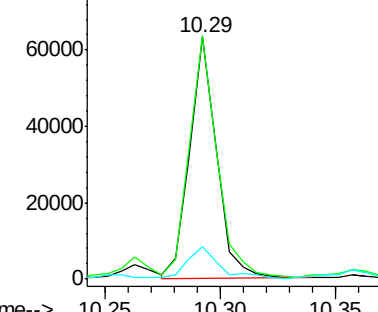
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

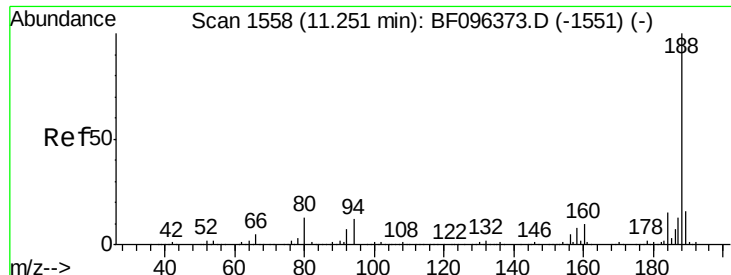


#57
Fluorene
Concen: 3.952 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	100.6	78.8	118.2
167	13.2	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

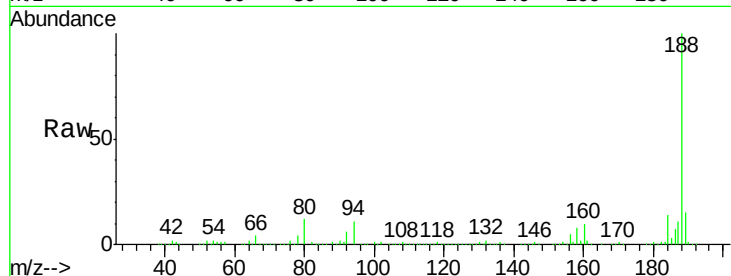
ClientSampleId :

HR-03-070317-B

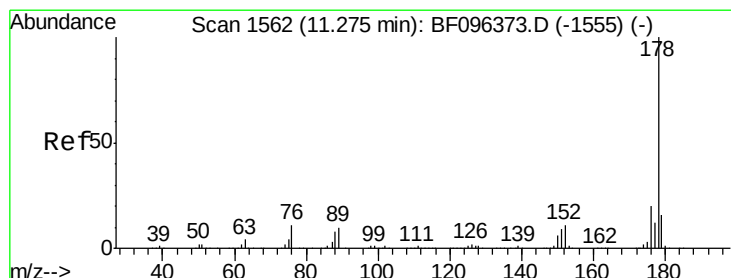
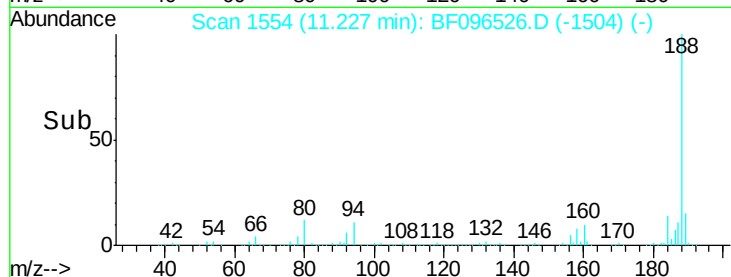
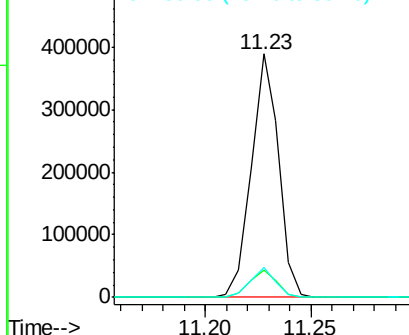
Tgt Ion:	188	Resp:	348065
Ion Ratio	Lower	Upper	
188	100		
94	11.4	9.4	14.2
80	12.0	10.2	15.2

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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: 18.532 ng

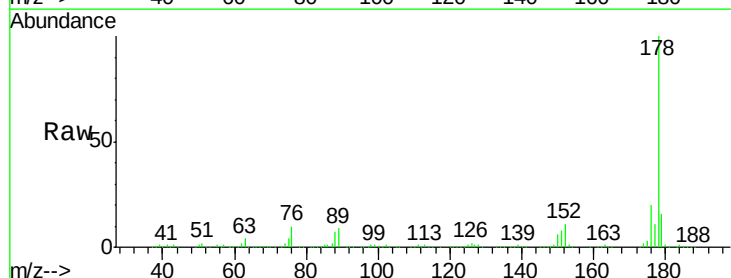
RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

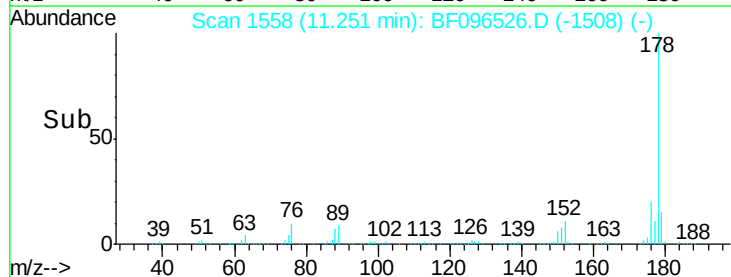
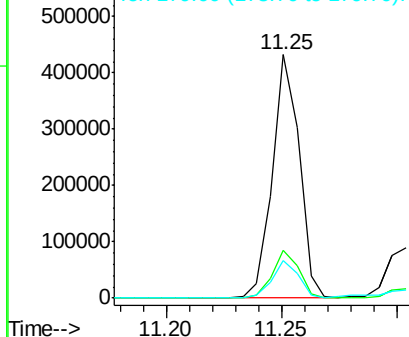
Lab File: BF096526.D

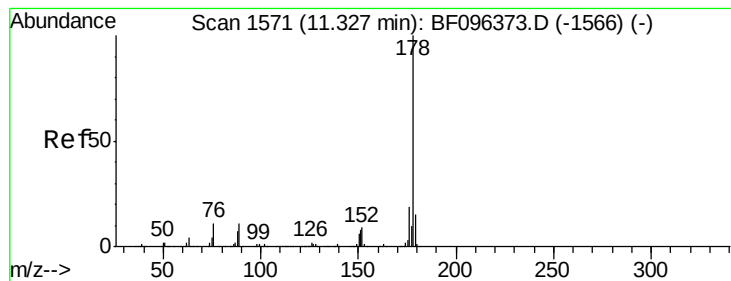
Acq: 6 Jul 2017 12:04

Tgt Ion:	178	Resp:	348689
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	15.6	12.6	19.0



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





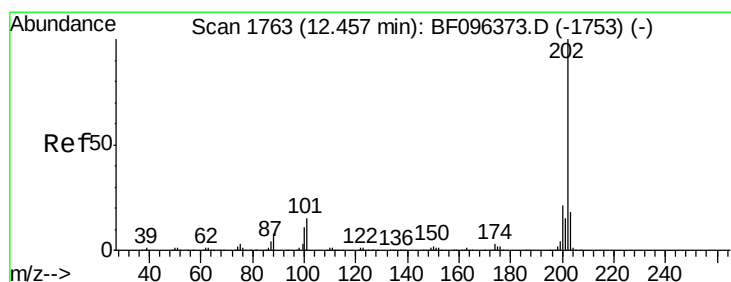
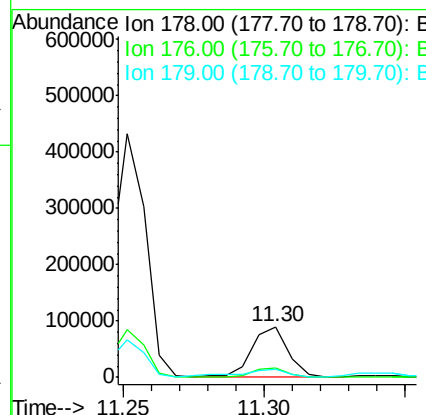
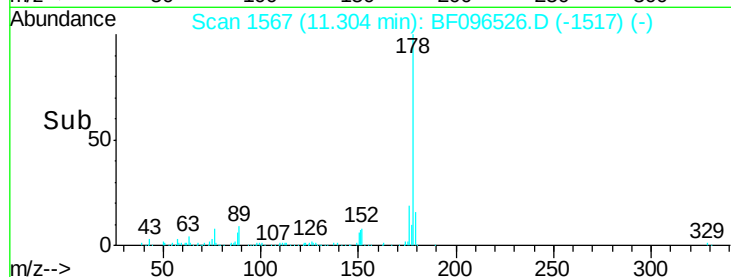
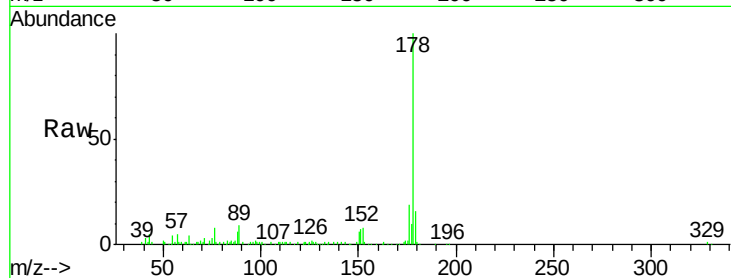
#71
 Anthracene
 Concen: 4.027 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.2	12.7	19.1

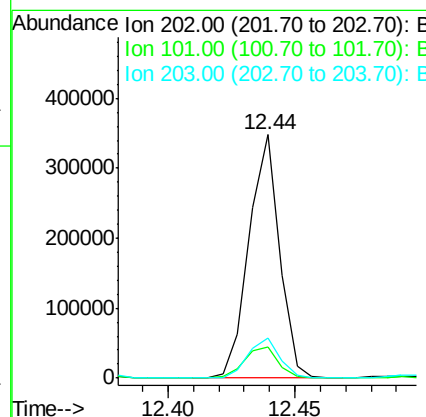
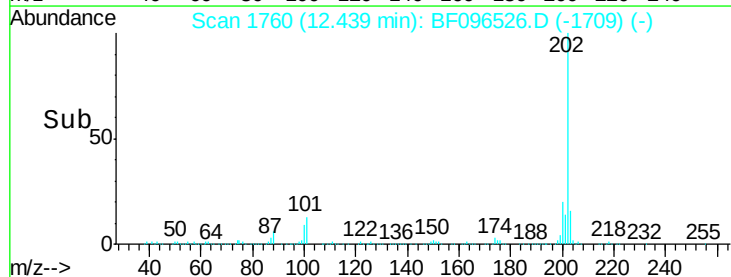
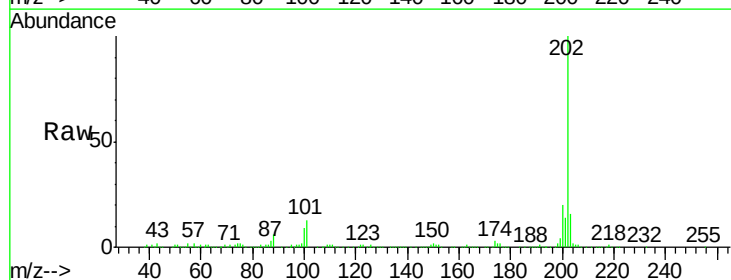
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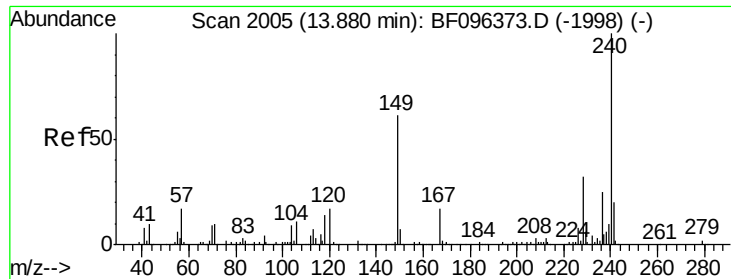
mohammad
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#74
 Fluoranthene
 Concen: 15.828 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

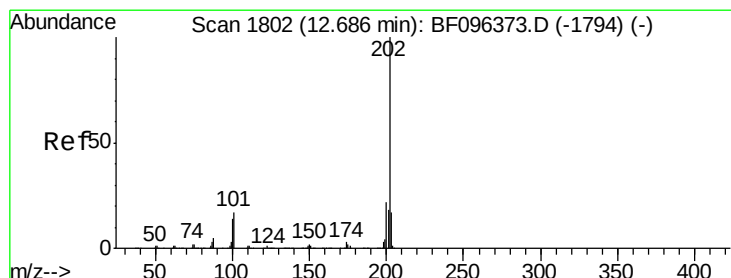
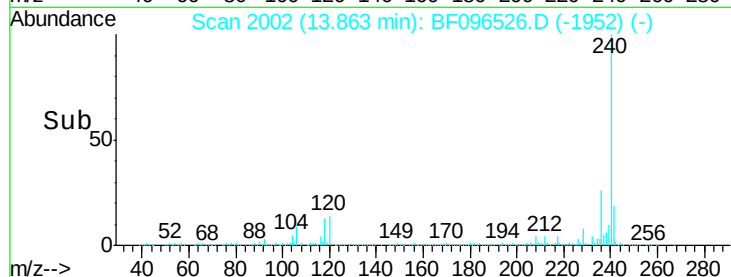
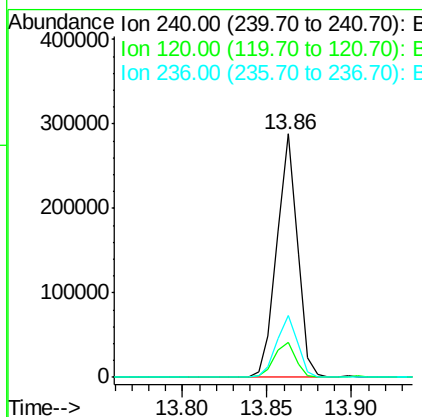
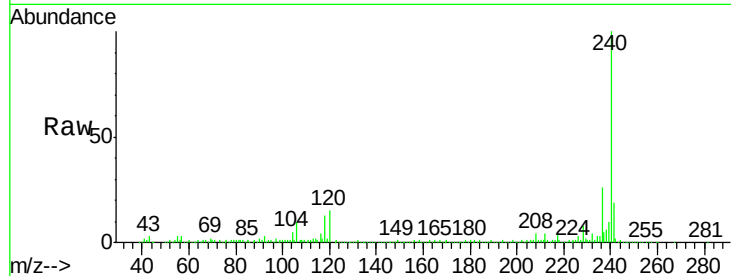
ClientSampleId :

HR-03-070317-B

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	244366		
120	14.6	5.8	8.8#	
236	25.6	20.5	30.7	

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#77

Pyrene

Concen: 14.371 ng

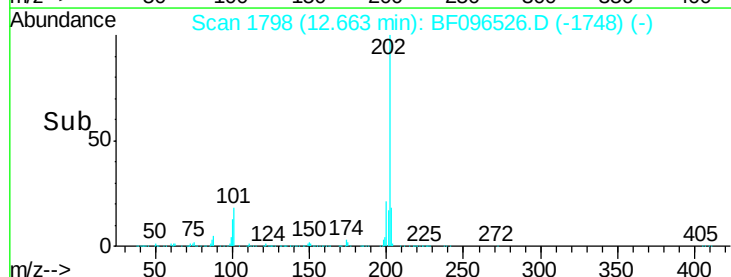
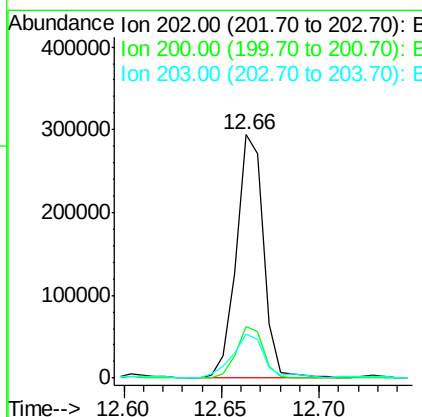
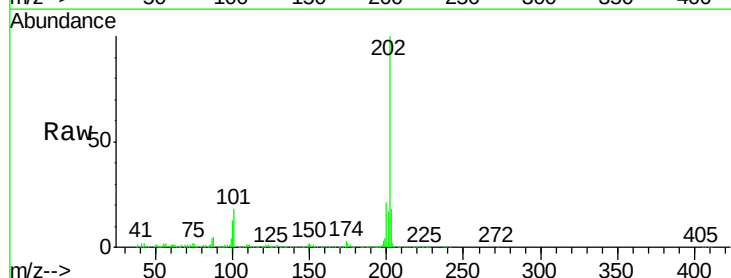
RT: 12.66 min Scan# 1798

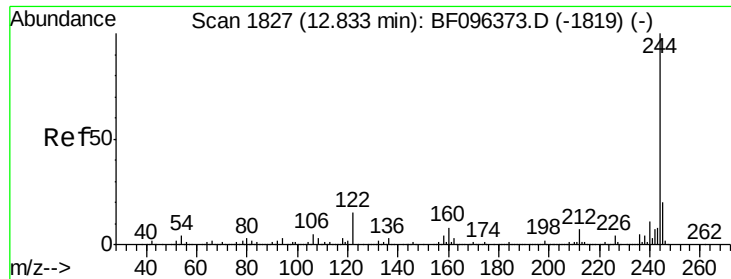
Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	281873		
200	21.2	17.6	26.4	
203	18.2	14.4	21.6	





#78

Terphenyl-d14

Concen: 58.140 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

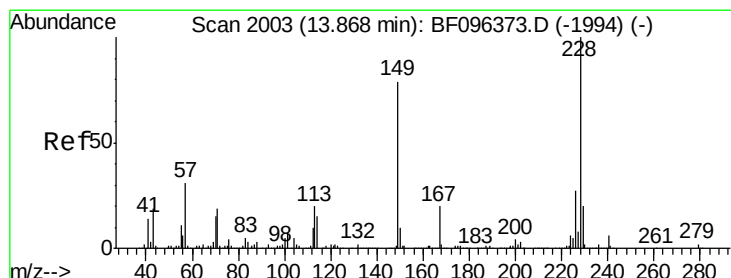
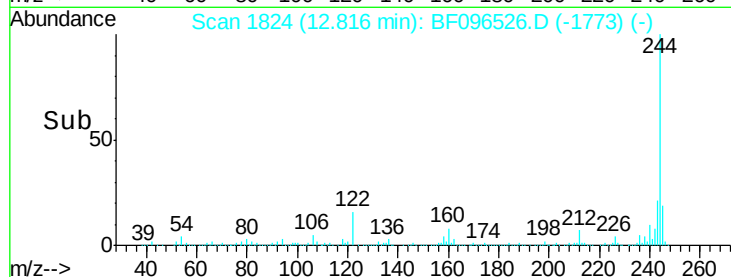
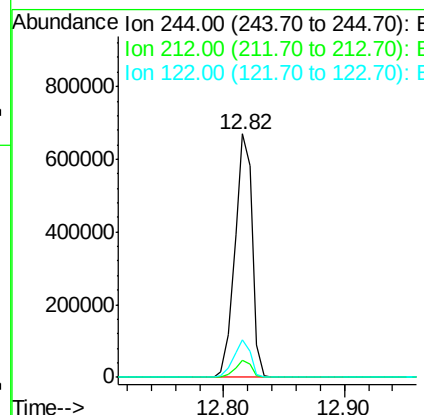
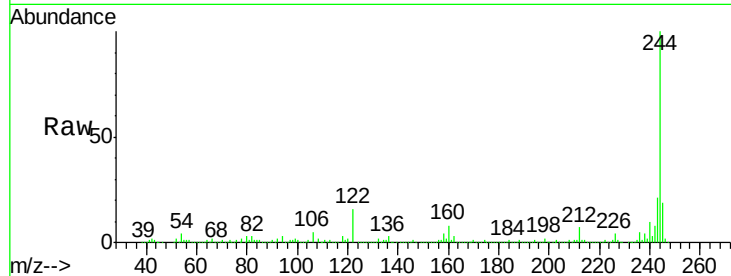
ClientSampleId :

HR-03-070317-B

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	664885		
212	6.9	6.0	9.0	
122	15.6	10.3	15.5#	

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#80

Benzo(a)anthracene

Concen: 7.699 ng

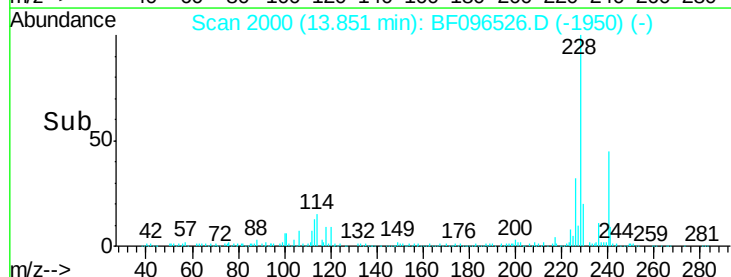
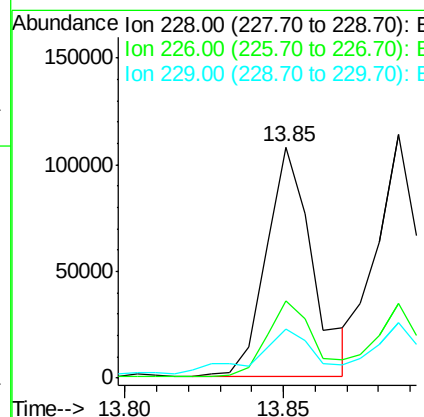
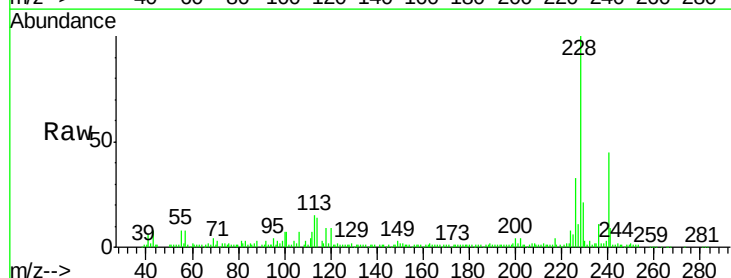
RT: 13.85 min Scan# 2000

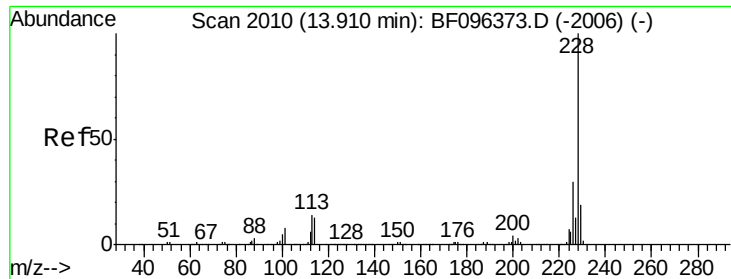
Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	108941		
226	33.2	22.6	33.8	
229	21.2	16.3	24.5	





#82

Chrysene

Concen: 6.961 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

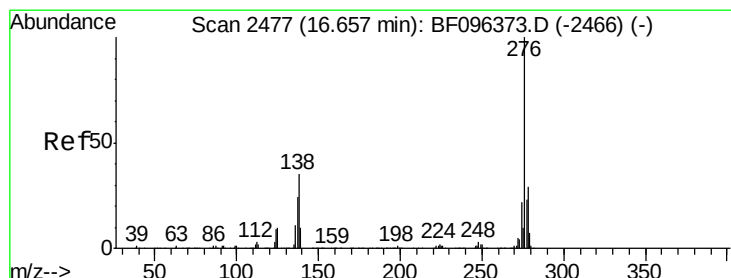
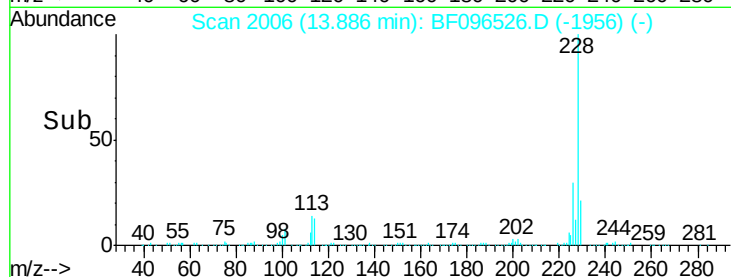
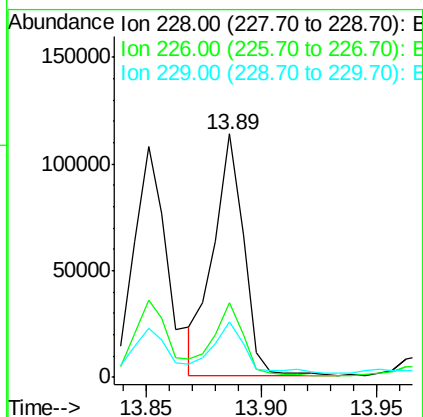
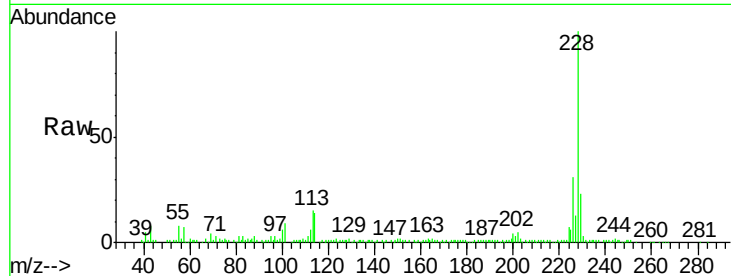
ClientSampleId :

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Tgt Ion:	228	Resp:	103153
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	22.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.781 ng

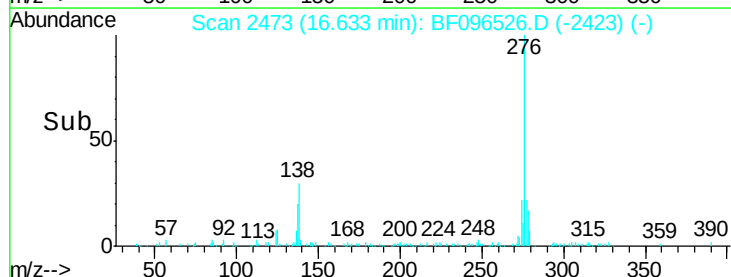
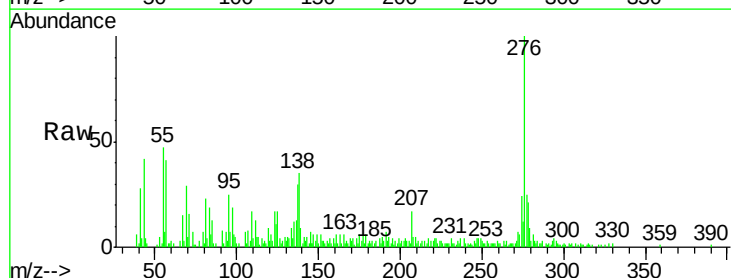
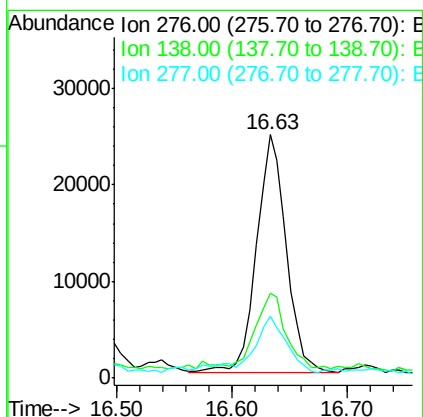
RT: 16.63 min Scan# 2473

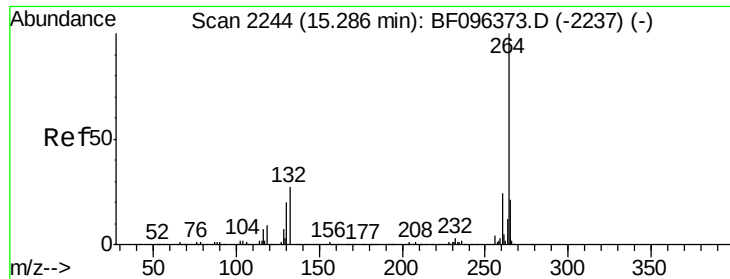
Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Tgt Ion:	276	Resp:	44229
Ion Ratio	Lower	Upper	
276	100		
138	30.6	27.8	41.6
277	27.2	20.2	30.4





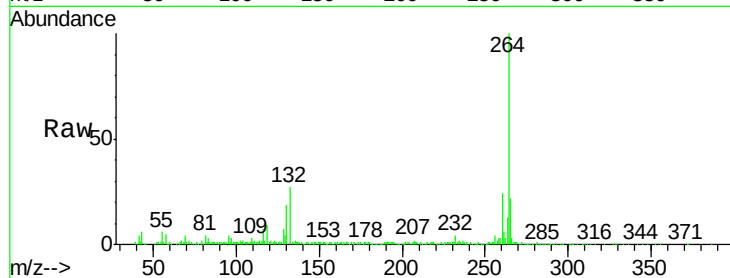
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

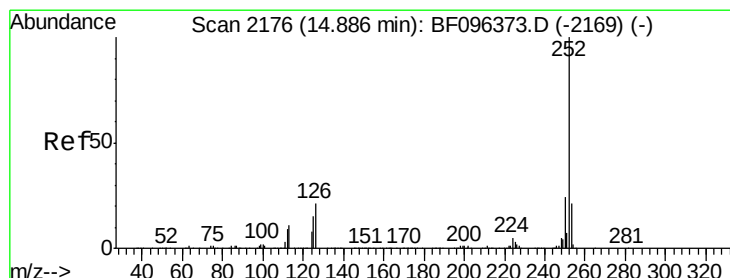
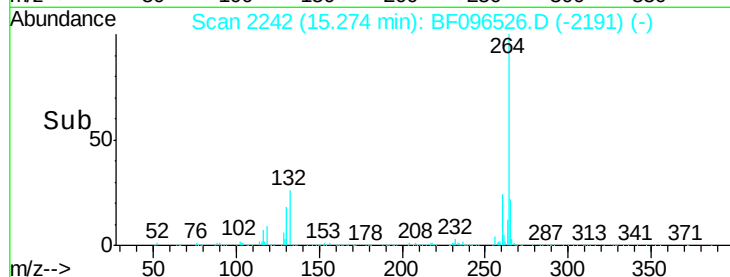
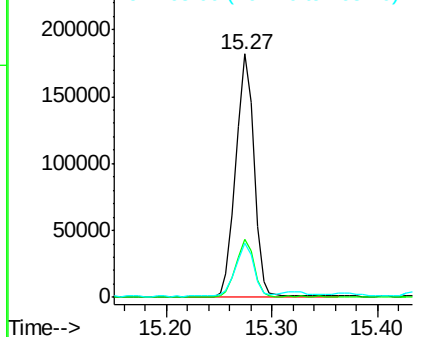
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.2	17.2	25.8

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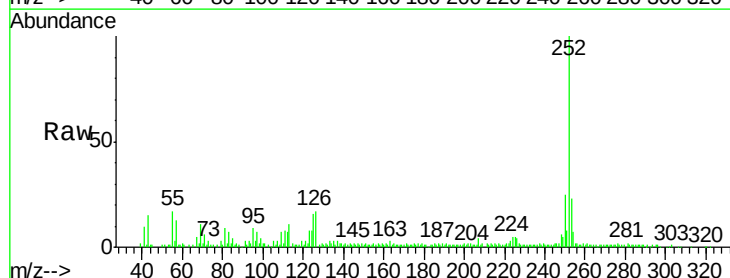


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

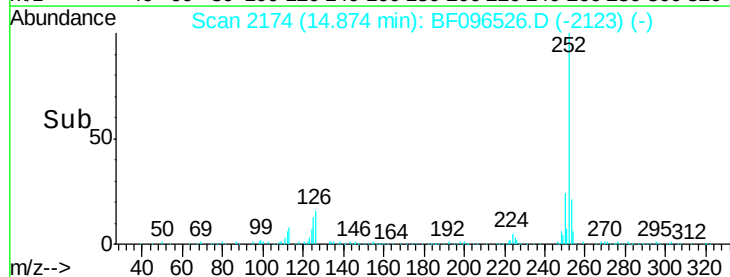
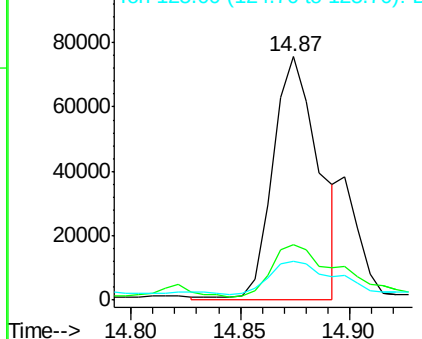


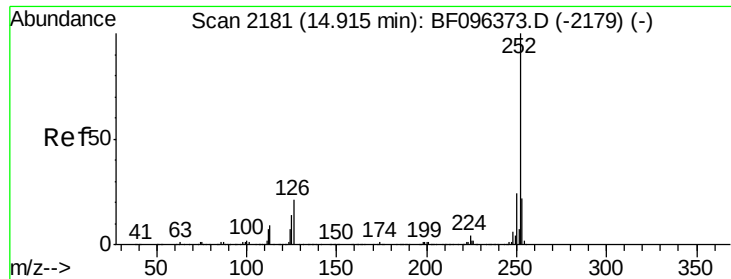
#87
Benzo(b)fluoranthene
Concen: 8.105 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.9	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.209 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

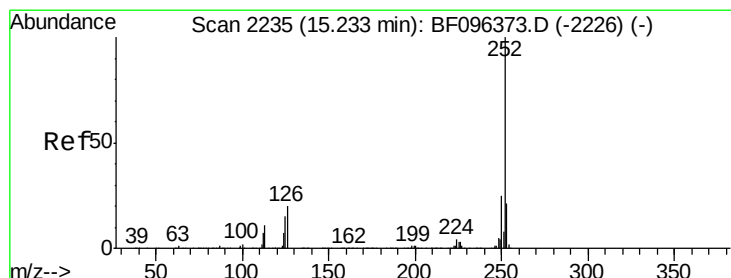
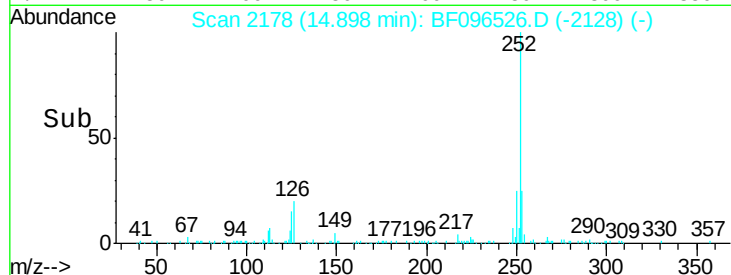
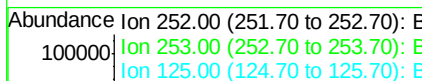
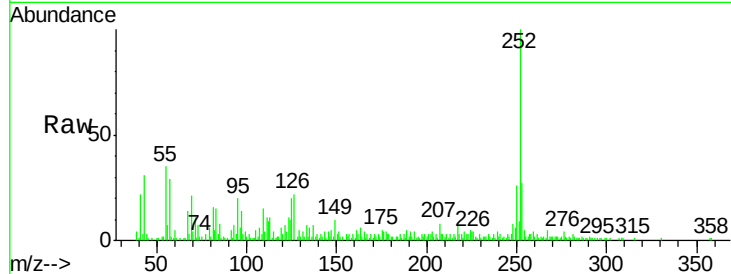
ClientSampleId :

HR-03-070317-B

Tgt Ion:	252	Resp:	27164
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.4	27.6
125	20.3	13.1	19.7#

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#89

Benzo(a)pyrene

Concen: 6.607 ng

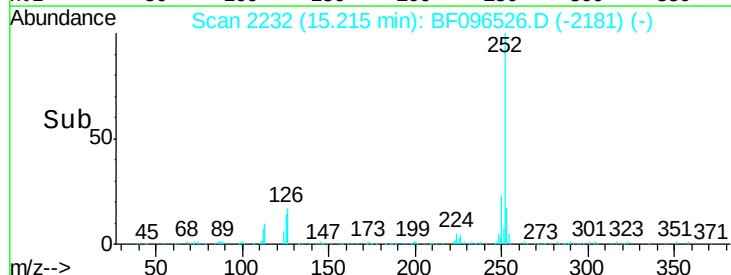
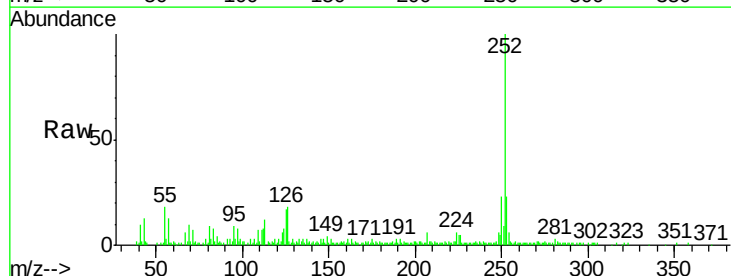
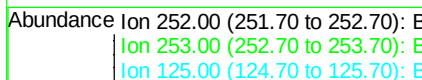
RT: 15.22 min Scan# 2232

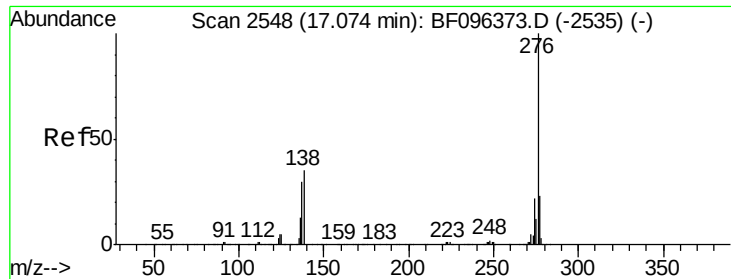
Delta R.T. -0.00 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Tgt Ion:	252	Resp:	81102
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	16.9	11.0	16.4#





#91
 Benzo(g,h,i)perylene
 Concen: 4.646 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.6	28.0#
138	34.8	25.4	38.0

Manual Integrations
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