

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106449.D
 Acq On : 14 Jun 2018 18:24
 Operator : JU/SJ
 Sample : J3241-11 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

Manual Integrations
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 6/15/2018 11:16:50 AM

Quant Time: Jun 15 01:31:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	129796	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	486279	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	199440	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	327593	20.00	ng	0.00
75) Chrysene-d12	14.15	240	338544	20.00	ng	-0.01
86) Perylene-d12	15.69	264	228868	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	140502	18.32	ng	0.00
7) Phenol-d6	6.61	99	176166	18.18	ng	0.00
23) Nitrobenzene-d5	7.52	82	102415	12.39	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	29841	15.55	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	195257	7.76	ng	0.00
78) Terphenyl-d14	13.08	244	179814	13.19	ng	-0.01
Target Compounds						
70) Phenanthrene	11.52	178	62392	3.889	ng	Qvalue 97
74) Fluoranthene	12.71	202	126748	7.408	ng	96
77) Pyrene	12.95	202	121842	5.749	ng	96
80) Benzo(a)anthracene	14.14	228	67791	3.365	ng	98
82) Chrysene	14.18	228	58840	3.199	ng	97
87) Benzo(b)fluoranthene	15.23	252	60351m	4.362	ng	
89) Benzo(a)pyrene	15.62	252	40606	3.263	ng	# 92
91) Benzo(g,h,i)perylene	17.72	276	22634	2.245	ng	92

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

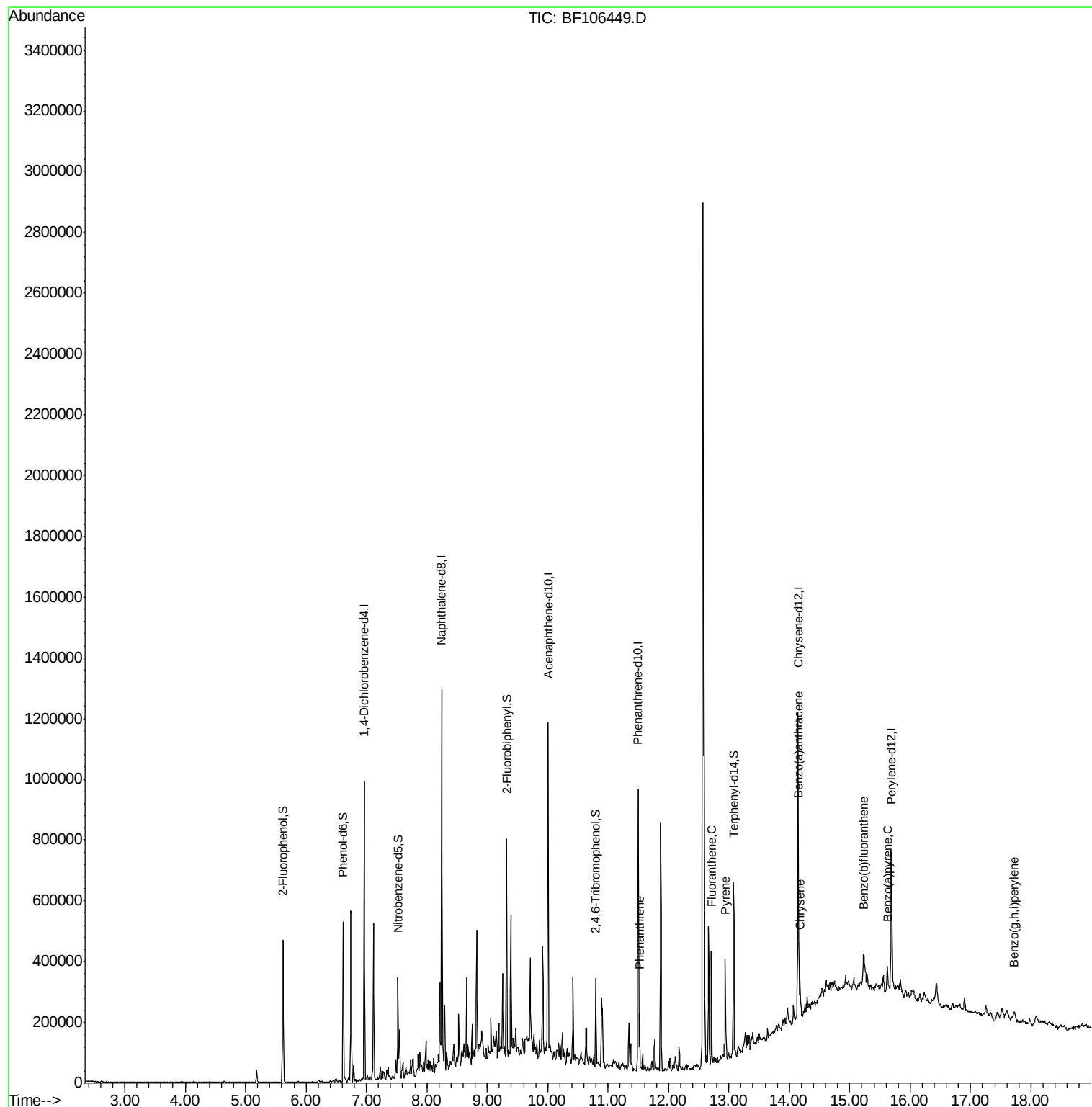
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
Data File : BF106449.D
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Operator : JU/SJ
Sample : J3241-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

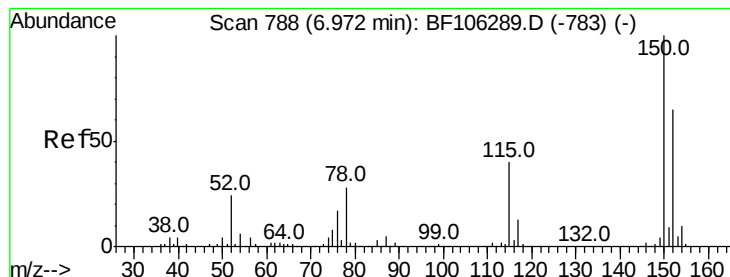
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Jun 15 01:31:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

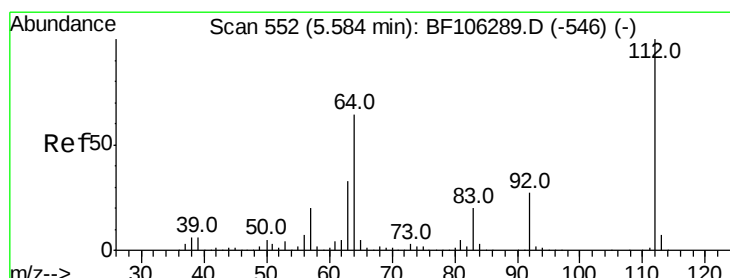
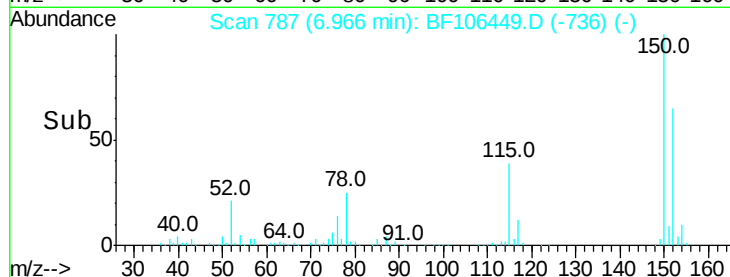
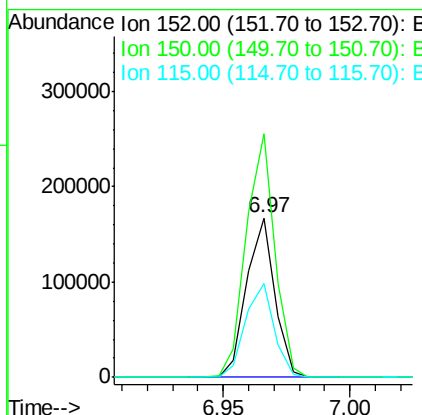
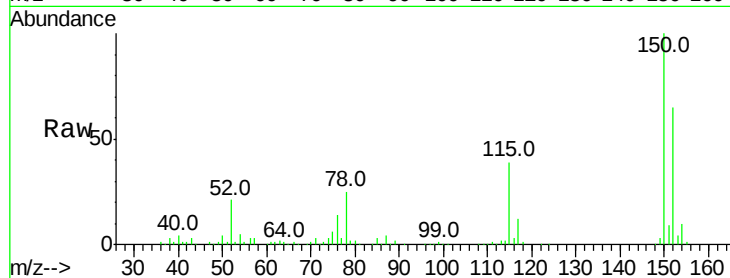
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	59.0	50.1	75.1

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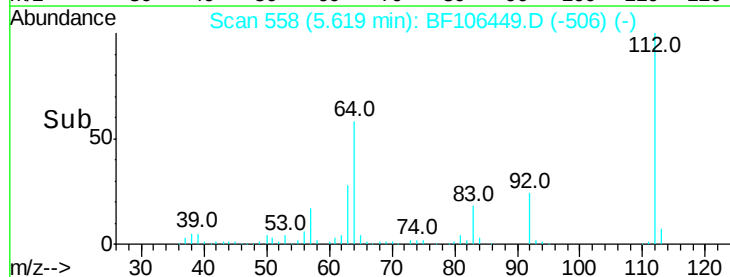
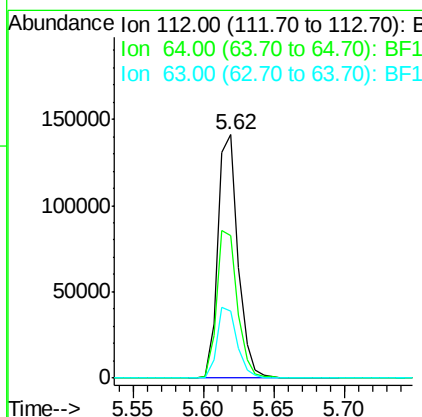
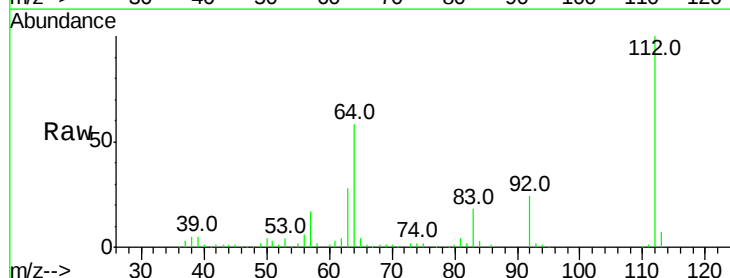
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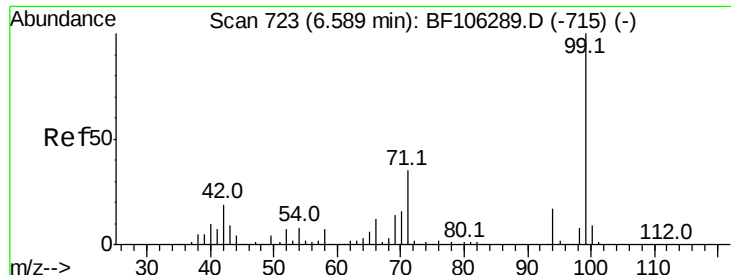


#5

2-Fluorophenol
Concen: 18.321 ng
RT: 5.62 min Scan# 558
Delta R.T. 0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 18.182 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

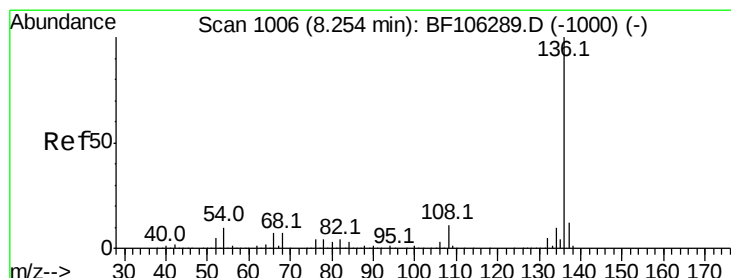
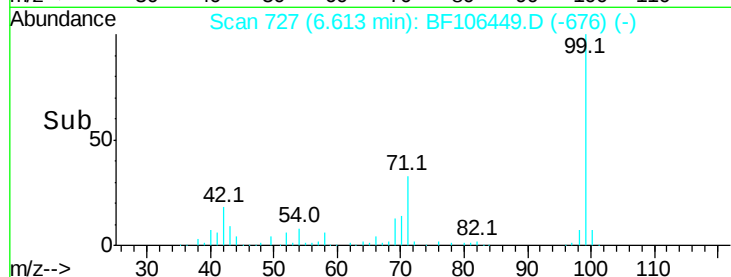
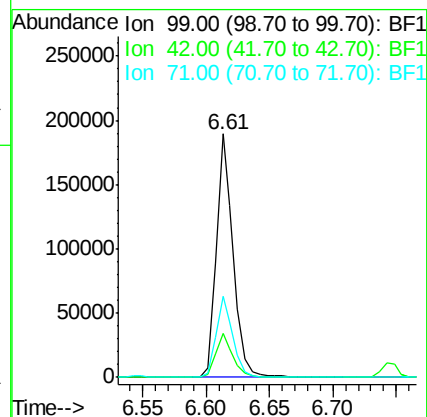
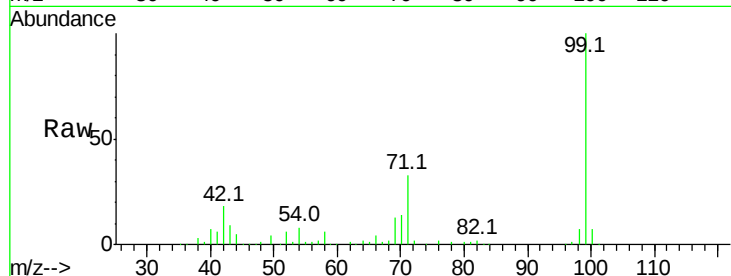
ClientSampleId :

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Tot Ion:	99	Resp:	176166
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

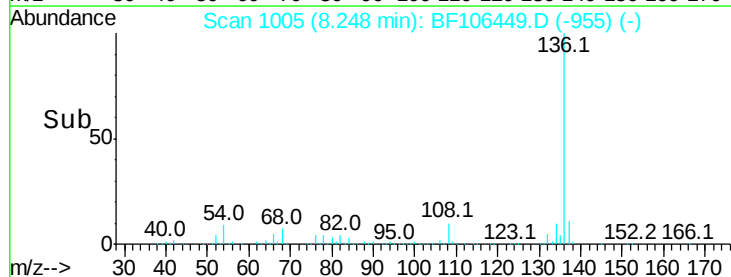
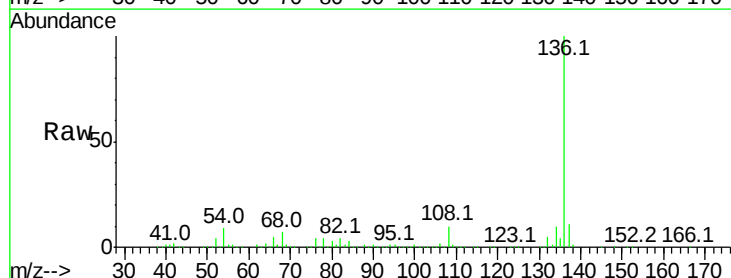
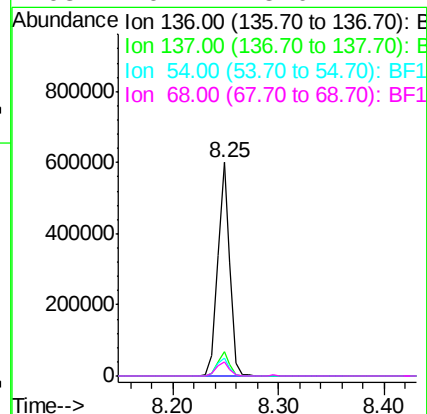
RT: 8.25 min Scan# 1005

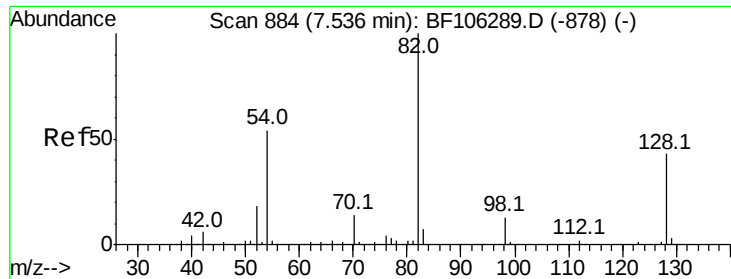
Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Tgt Ion:	136	Resp:	486279
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.6	6.6	9.8
68	6.7	5.0	7.4





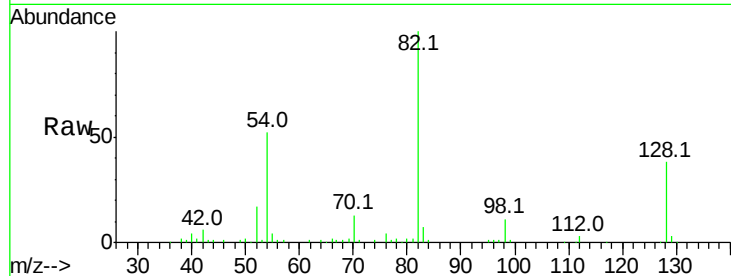
#23
Nitrobenzene-d5
Concen: 12.390 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

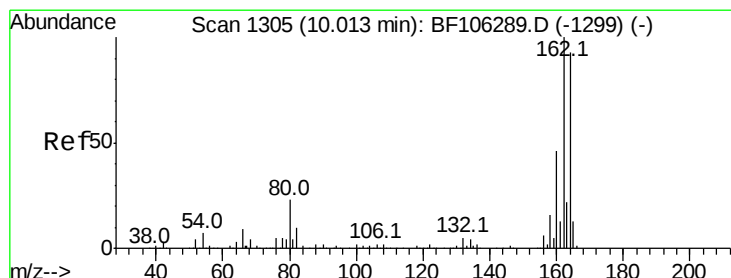
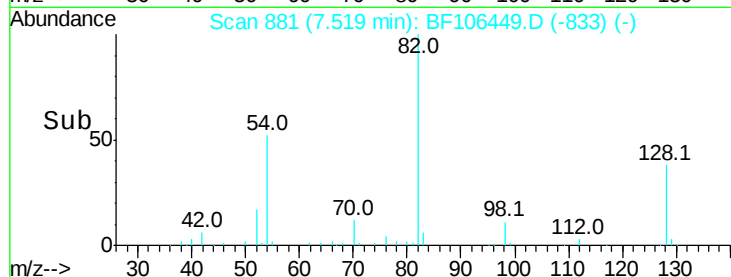
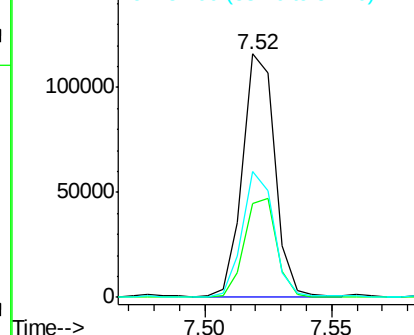
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.3	36.1	54.1	
54	51.8	41.4	62.2	

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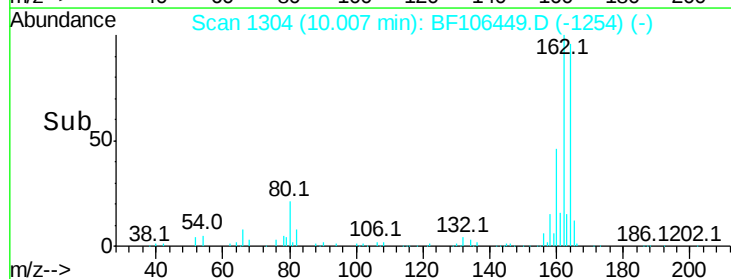
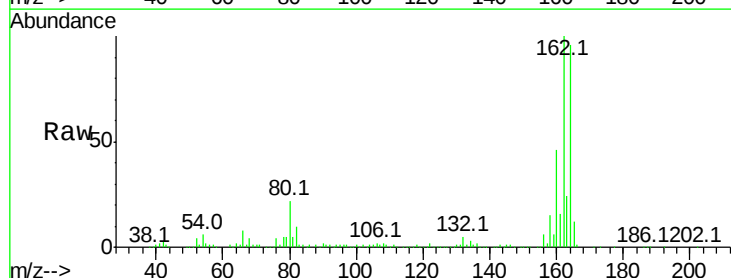
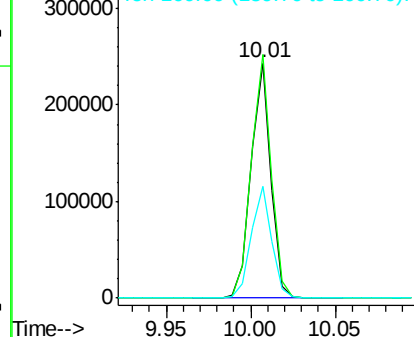
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

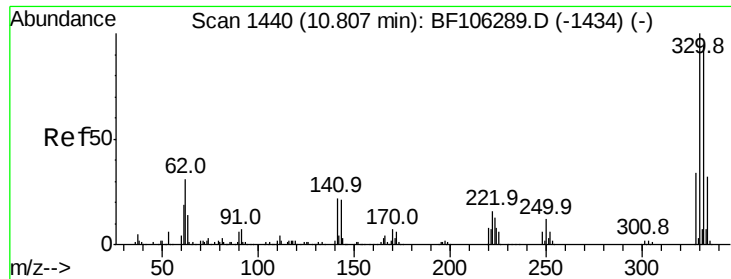


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.7	86.1	129.1	
160	47.5	38.3	57.5	

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





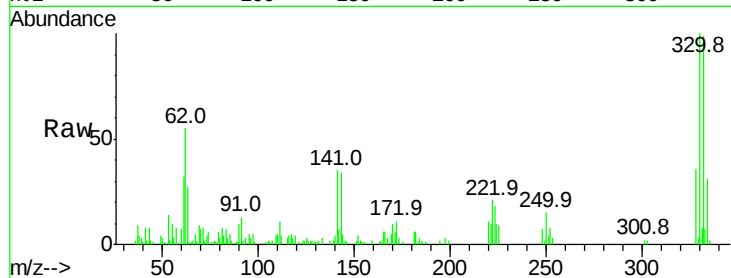
#41
 2,4,6-Tribromophenol
 Concen: 15.551 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-061318-C

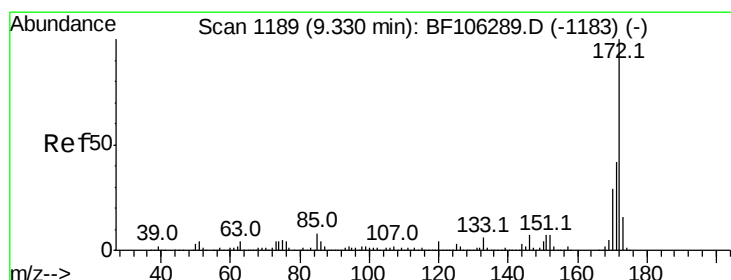
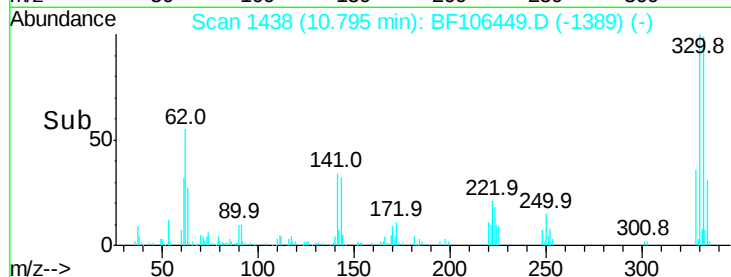
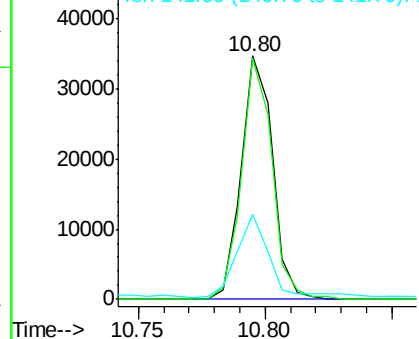
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	35.1	29.9	44.9

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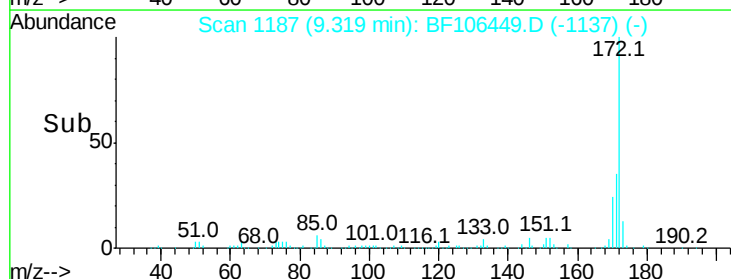
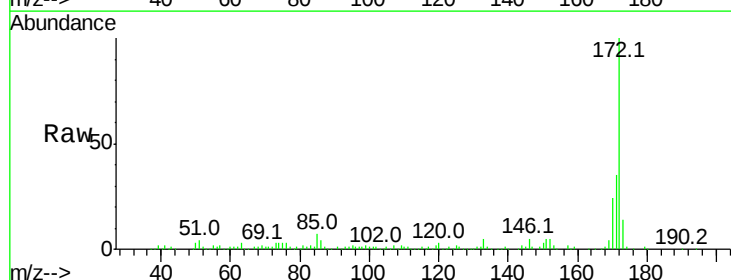
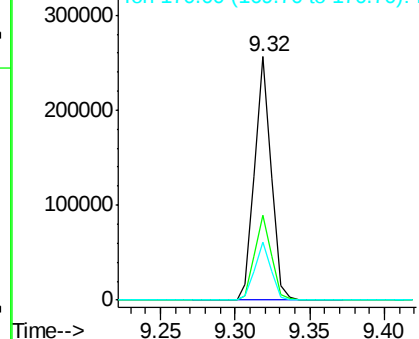
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

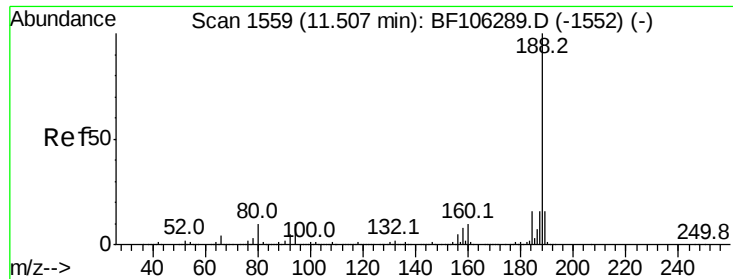


#44
 2-Fluorobiphenyl
 Concen: 7.760 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106449.D
 Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	24.1	19.6	29.4

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





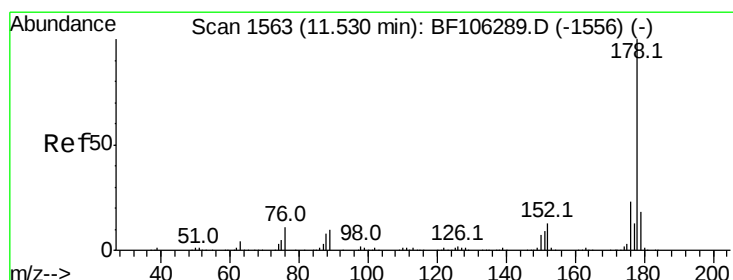
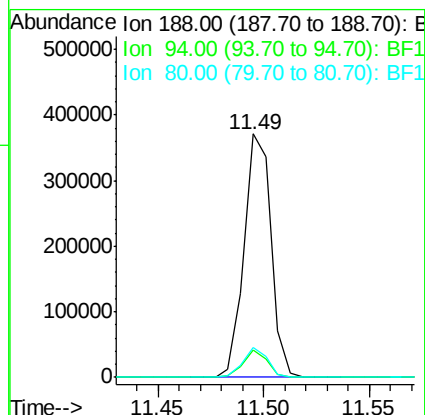
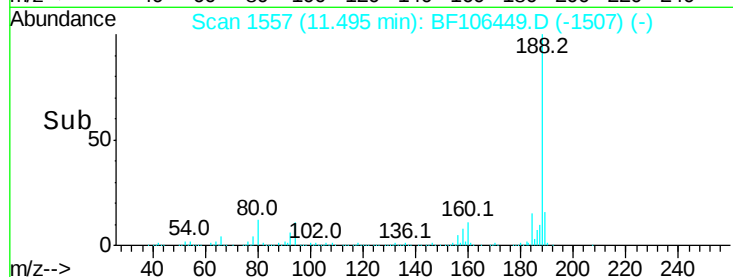
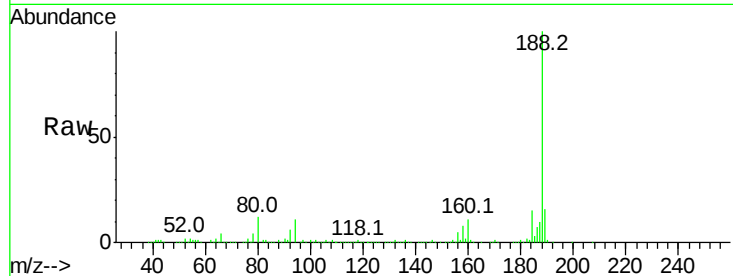
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

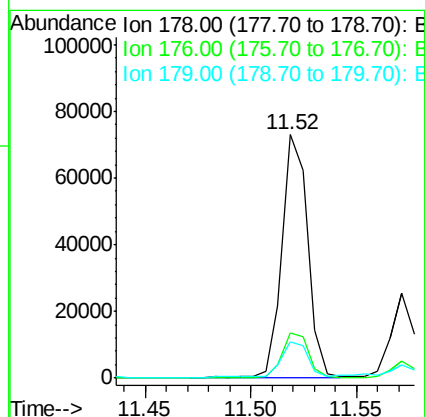
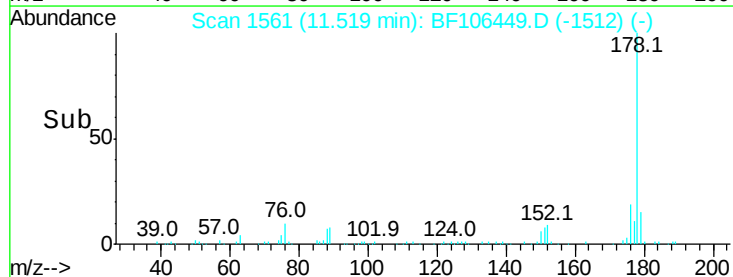
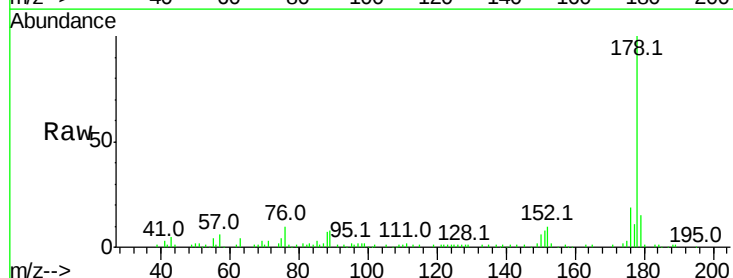
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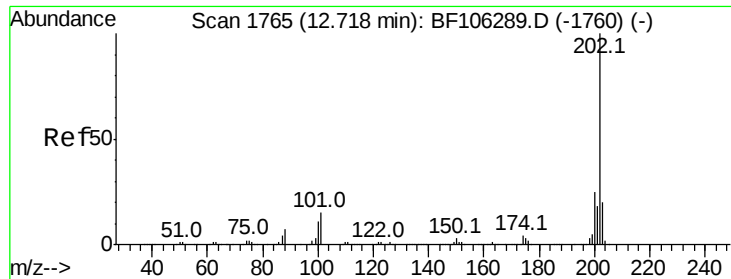
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#70
Phenanthrene
Concen: 3.889 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.8	23.8
179	15.0	13.0	19.6





#74

Fluoranthene

Concen: 7.408 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

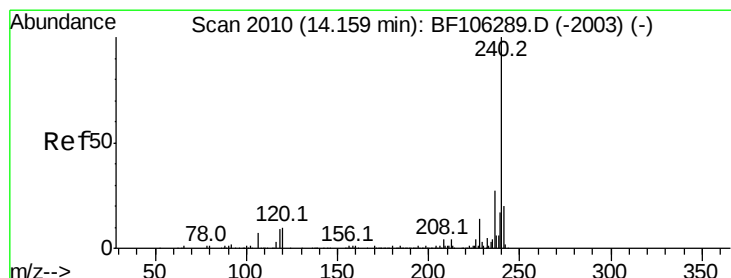
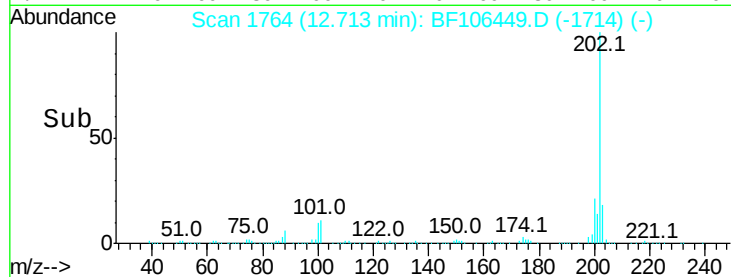
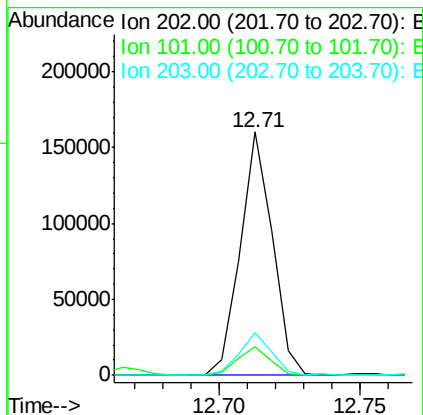
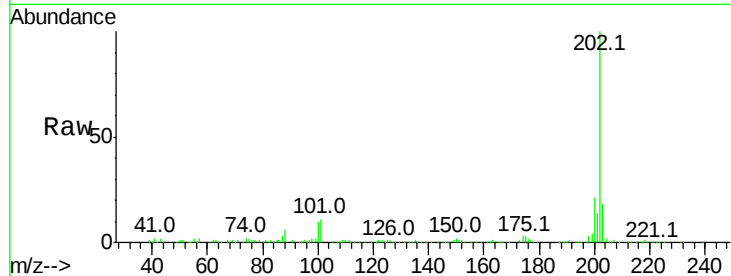
ClientSampleId :

HR-05-061318-C

Tot Ion:	202	Resp:	126748
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

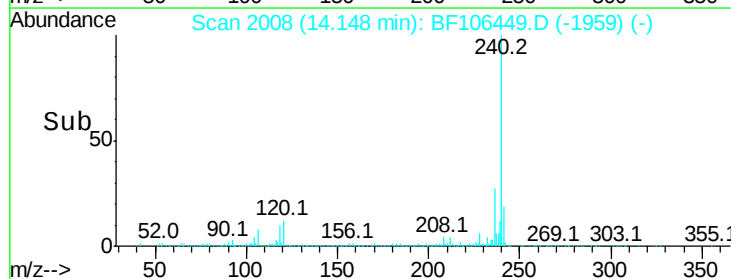
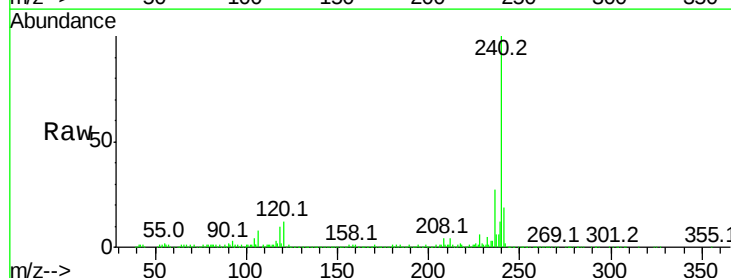
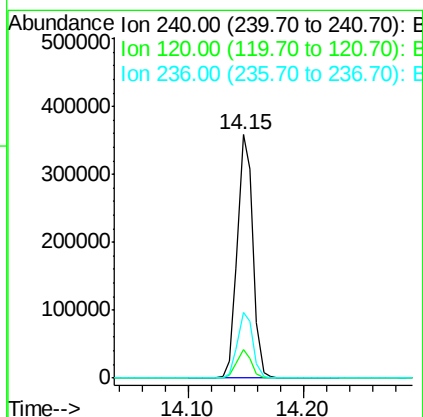
RT: 14.15 min Scan# 2008

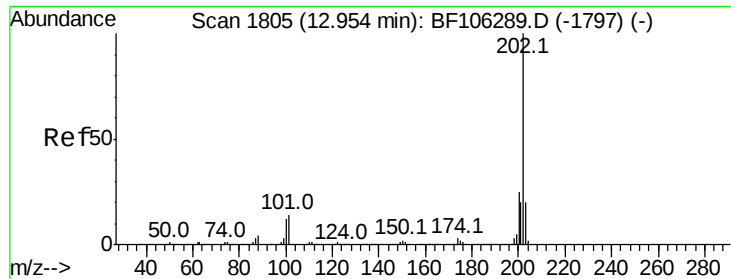
Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Tgt Ion:	240	Resp:	338544
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	26.7	20.7	31.1





#77

Pvrene

Concen: 5.749 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

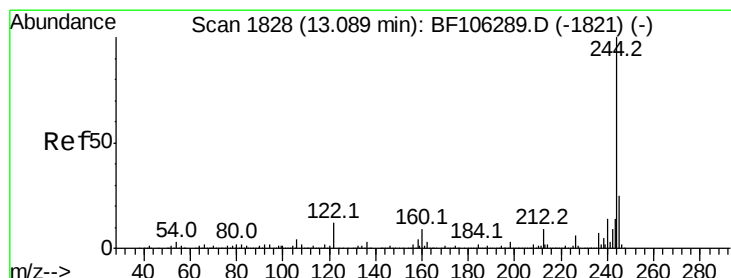
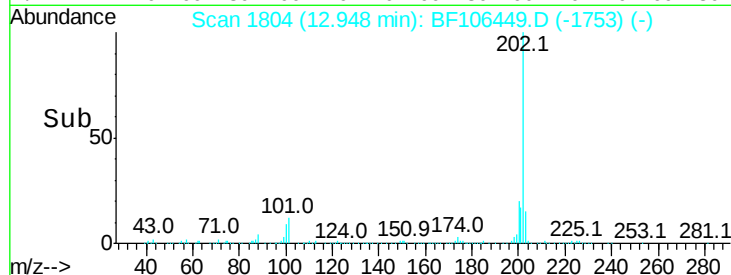
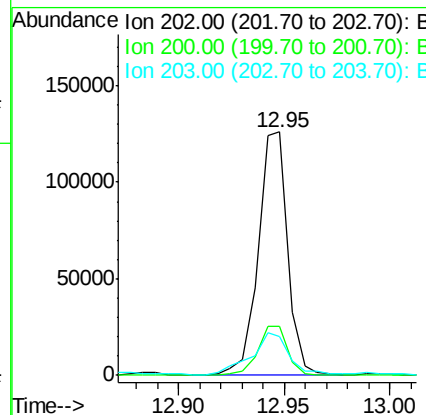
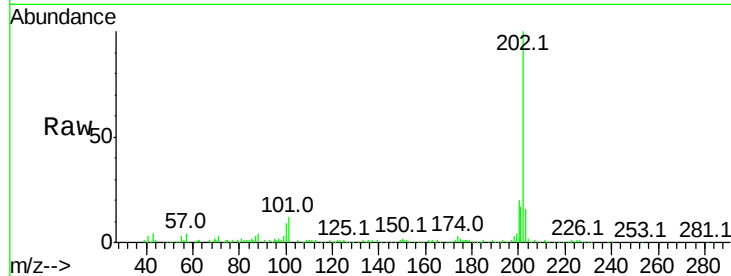
ClientSampleId :

HR-05-061318-C

Tot Ion:202	Resp:	121842
Ion Ratio	Lower	Upper
202 100		
200 20.2	17.4	26.2
203 15.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 13.192 ng

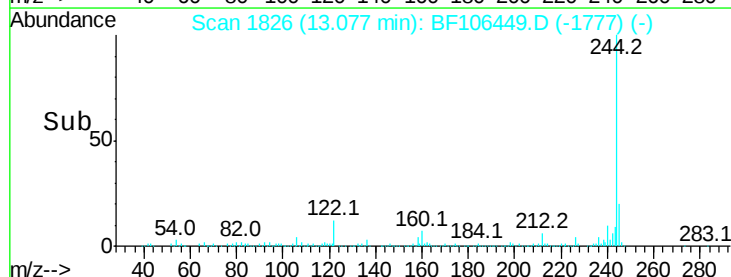
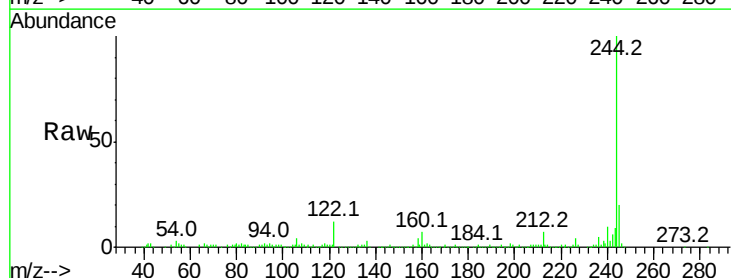
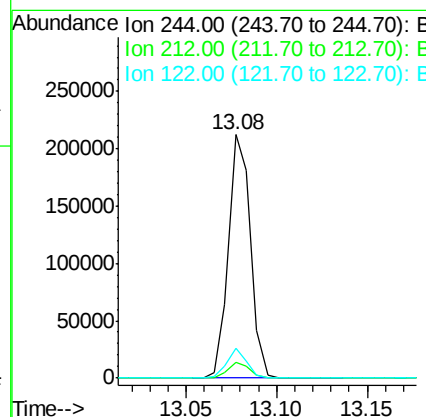
RT: 13.08 min Scan# 1826

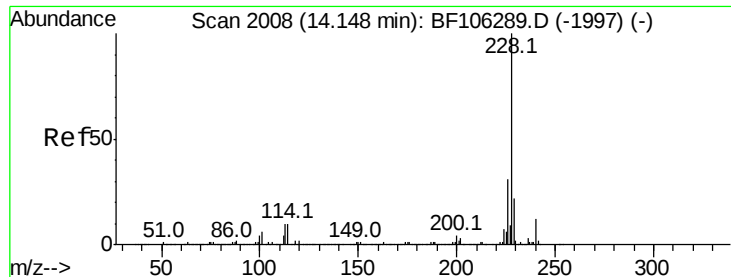
Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Tgt Ion:244	Resp:	179814
Ion Ratio	Lower	Upper
244 100		
212 6.6	5.4	8.0
122 12.1	11.0	16.4





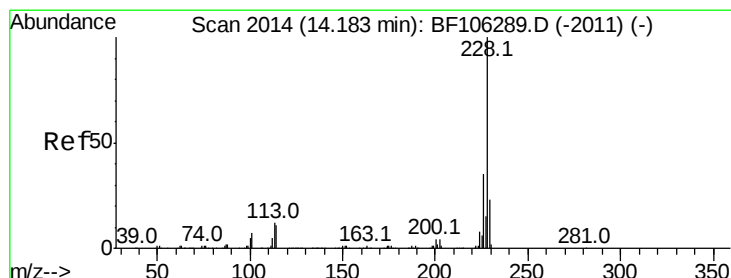
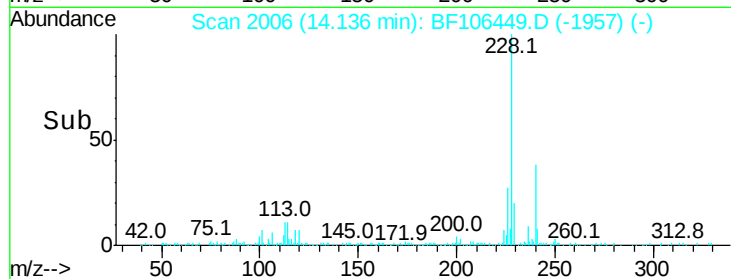
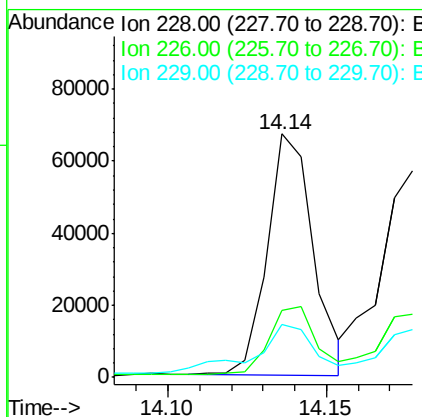
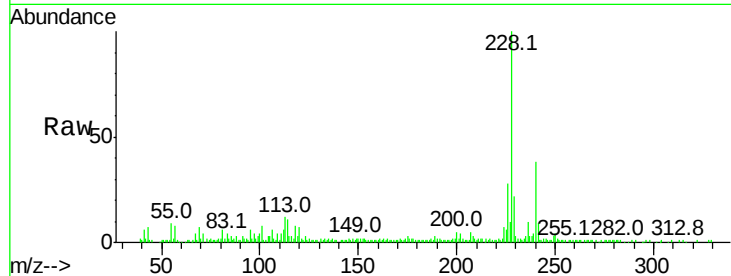
#80
Benzo(a)anthracene
Concen: 3.365 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.9	15.8	23.6

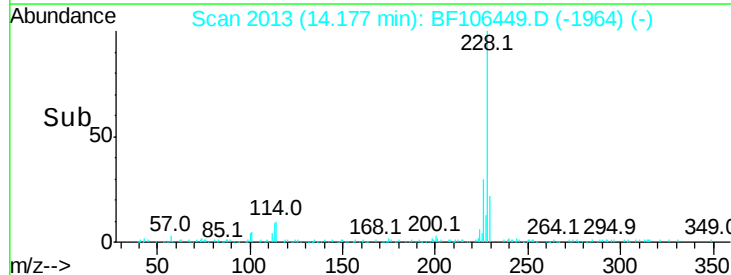
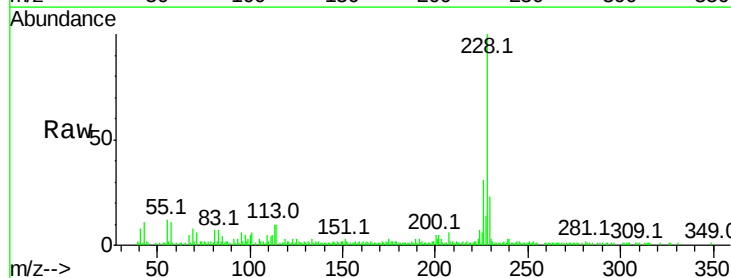
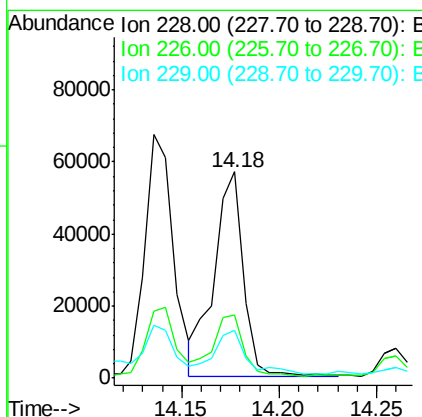
Manual Integrations
APPROVED

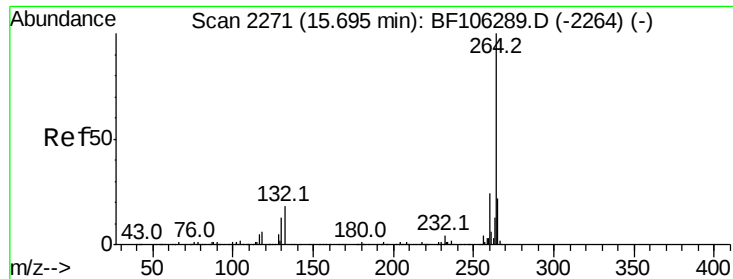
Sohil
6/15/2018 11:16:50 AM



#82
Chrysene
Concen: 3.199 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.3	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Instrument :

BNA_F

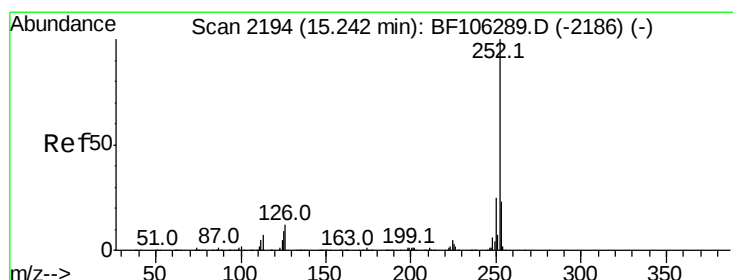
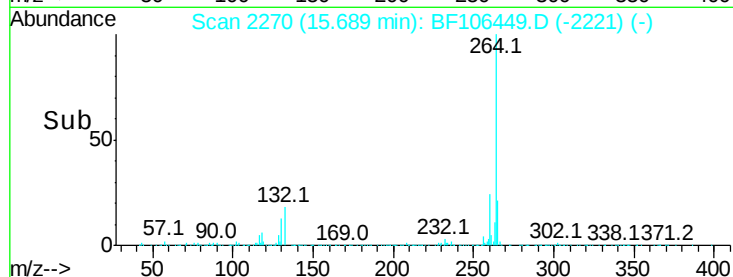
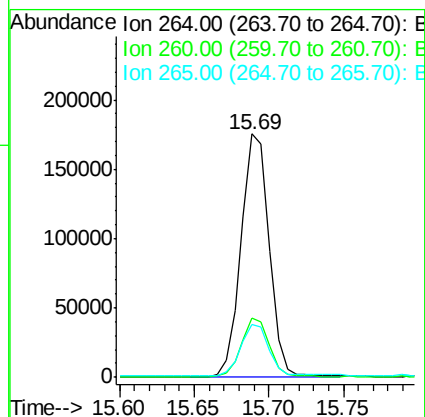
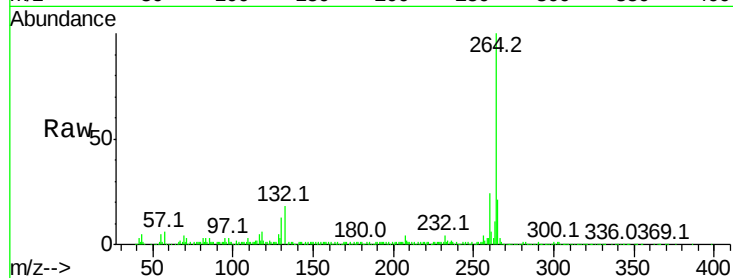
ClientSampleId :

HR-05-061318-C

Tot Ion:	264	Resp:	228868
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	21.5	17.5	26.3

Manual Integrations
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6/15/2018 11:16:50 AM



#87

Benzo(b)fluoranthene

Concen: 4.362 ng m

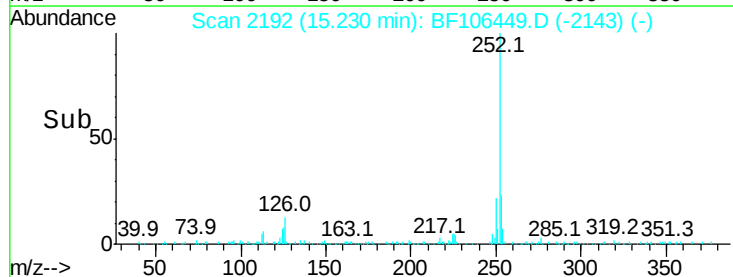
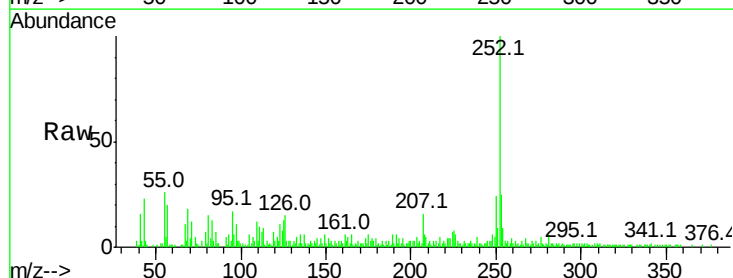
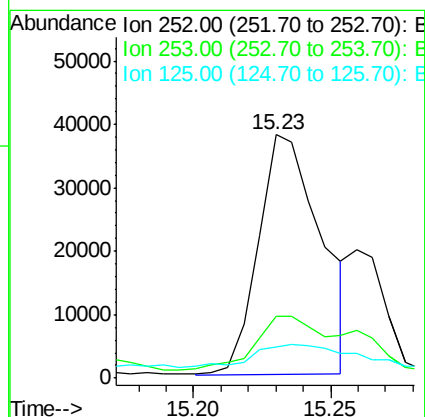
RT: 15.23 min Scan# 2192

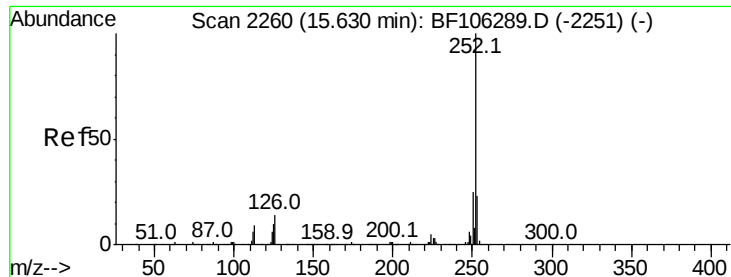
Delta R.T. -0.01 min

Lab File: BF106449.D

Acq: 14 Jun 2018 18:24

Tgt Ion:	252	Resp:	60351
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.0	25.6
125	13.0	9.0	13.6





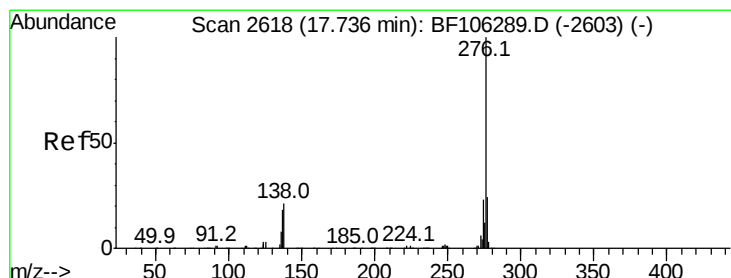
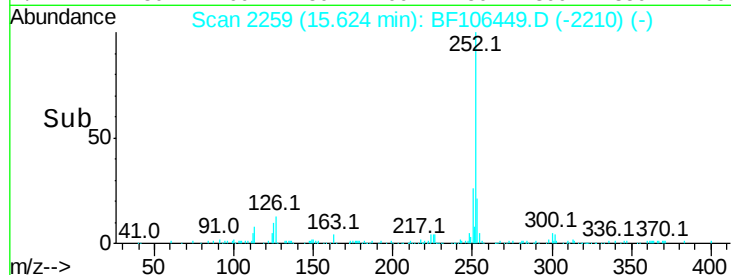
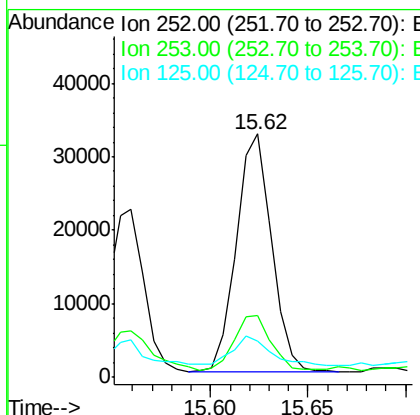
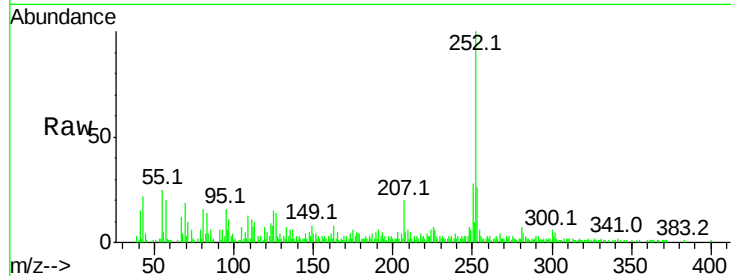
#89
Benzo(a)pyrene
Concen: 3.263 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Instrument :
BNA_F
ClientSampleId :
HR-05-061318-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	14.8	9.8	14.6

Manual Integrations
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Sohil
6/15/2018 11:16:50 AM



#91
Benzo(g,h,i)perylene
Concen: 2.245 ng
RT: 17.72 min Scan# 2616
Delta R.T. -0.02 min
Lab File: BF106449.D
Acq: 14 Jun 2018 18:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	22.2	21.8	32.8

