

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104136.D
 Acq On : 2 Apr 2018 15:41
 Operator : JU/SJ
 Sample : J2099-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-102(1-2)

Manual Integrations
 APPROVED

Sohil
 4/3/2018 2:27:09 PM

Quant Time: Apr 02 17:30:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	112025	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	484324	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	223581	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	344978	20.00	ng	0.00
75) Chrysene-d12	14.17	240	221516	20.00	ng	0.02
86) Perylene-d12	15.74	264	257382	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	61863m	8.81	ng	0.02
7) Phenol-d6	6.60	99	76849m	8.89	ng	0.00
23) Nitrobenzene-d5	7.53	82	46305m	5.85	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	17315	6.95	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	99020	6.98	ng	0.00
78) Terphenyl-d14	13.09	244	64328	6.71	ng	0.00
Target Compounds						
48) Acenaphthylene	9.86	152	473466	20.647	ng	99
70) Phenanthrene	11.52	178	51436	2.754	ng	# 90
71) Anthracene	11.57	178	41039	2.104	ng	# 87
74) Fluoranthene	12.72	202	70896	3.571	ng	84
77) Pyrene	12.96	202	145832	9.158	ng	# 94
80) Benzo(a)anthracene	14.16	228	41231	2.975	ng	# 50
82) Chrysene	14.20	228	68402m	5.039	ng	
85) Indeno(1,2,3-cd)pyrene	17.33	276	65960	4.689	ng	# 89
87) Benzo(b)fluoranthene	15.29	252	93258m	5.954	ng	
88) Benzo(k)fluoranthene	15.30	252	49498m	3.355	ng	
89) Benzo(a)pyrene	15.68	252	81845	5.638	ng	# 88
91) Benzo(a,h,i)perylene	17.82	276	61195	4.552	ng	95

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

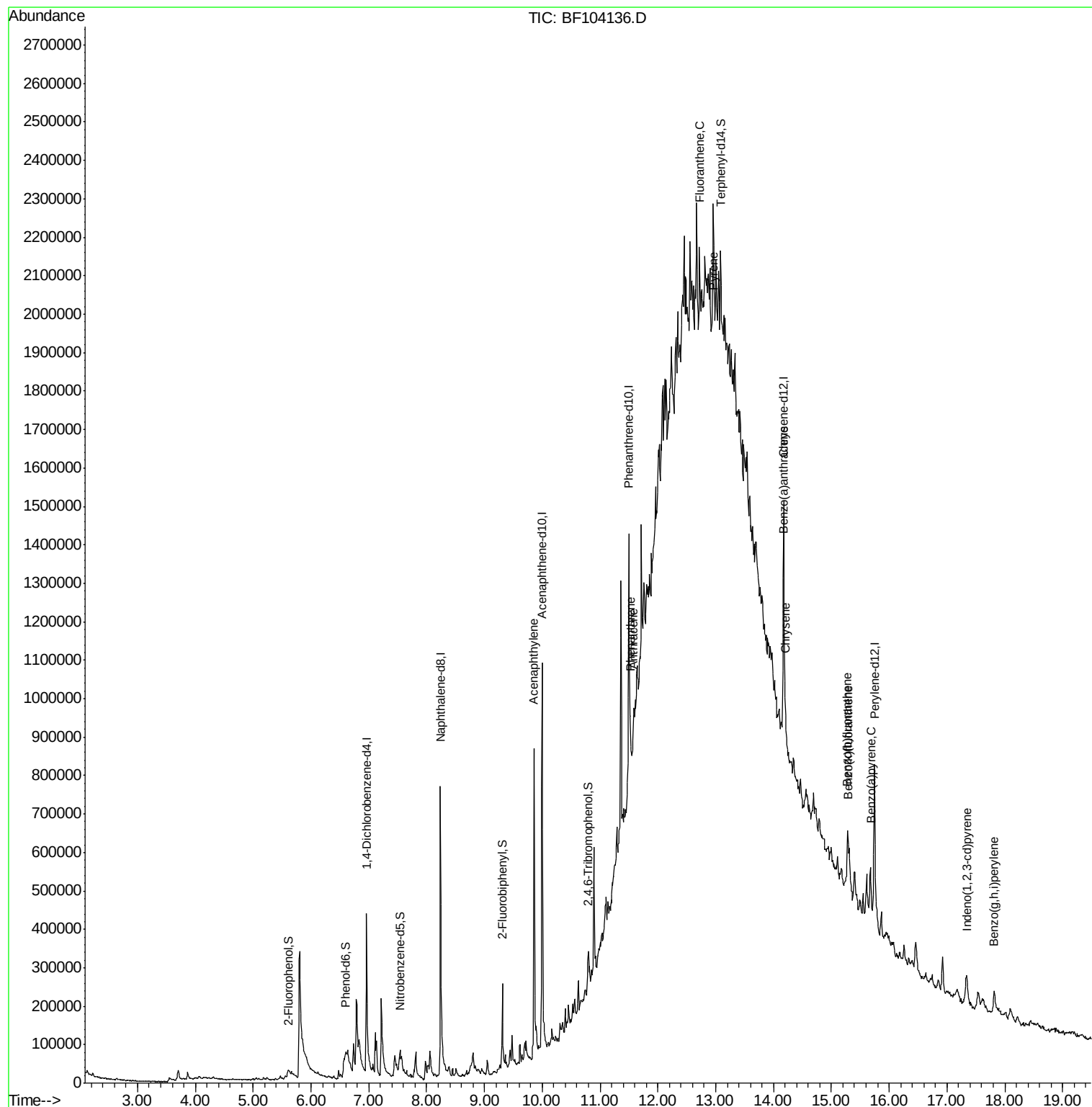
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104136.D
Acq On : 2 Apr 2018 15:41
Operator : JU/SJ
Sample : J2099-01 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

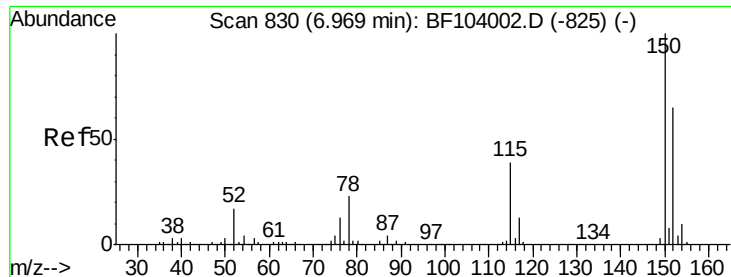
Instrument :
BNA_F
ClientSampleId :
SB-102(1-2)

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Quant Time: Apr 02 17:30:29 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 02 13:40:00 2018
Response via : Initial Calibration





#1

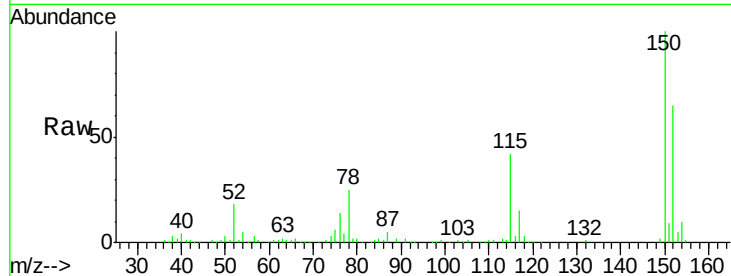
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Instrument :
BNA_F
ClientSampled :
SB-102(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	65.1	50.1	75.1

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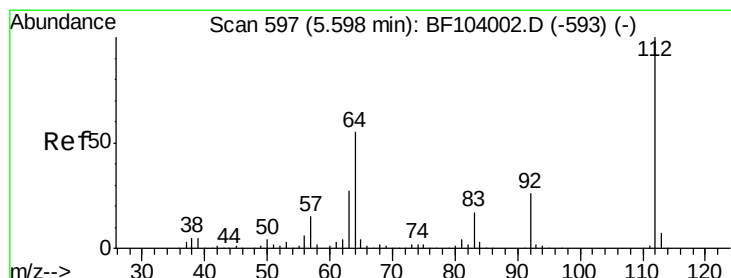
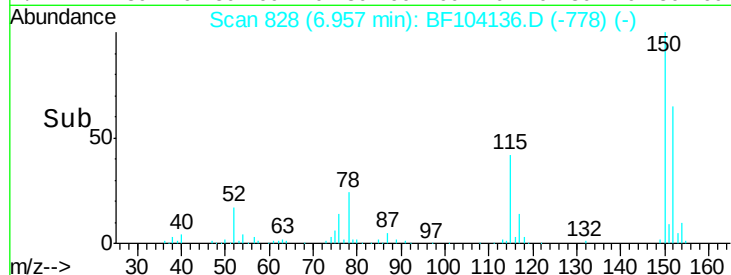
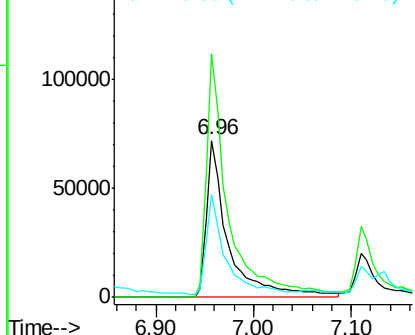


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

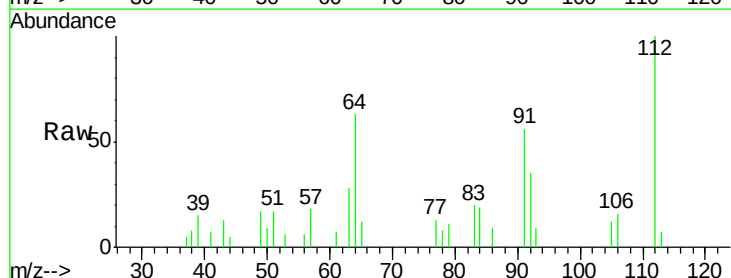
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 8.807 ng m
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	47.9	71.9
63	28.2	23.7	35.5

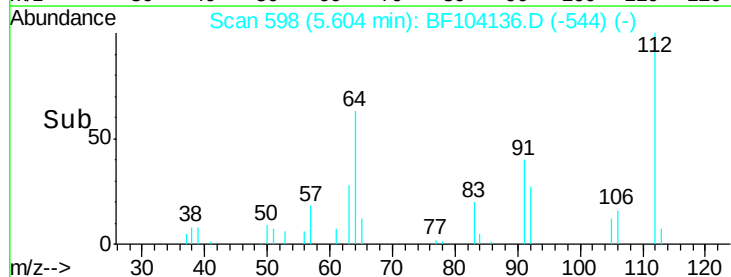
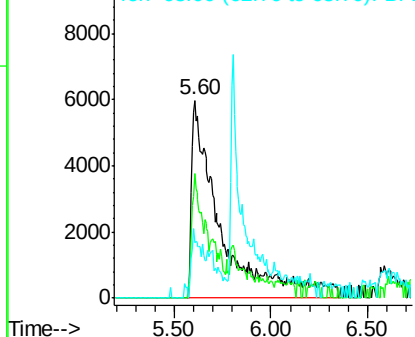


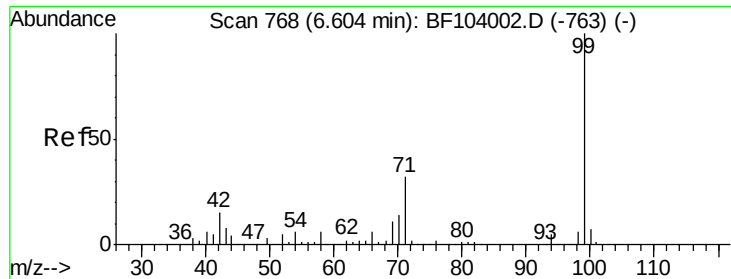
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

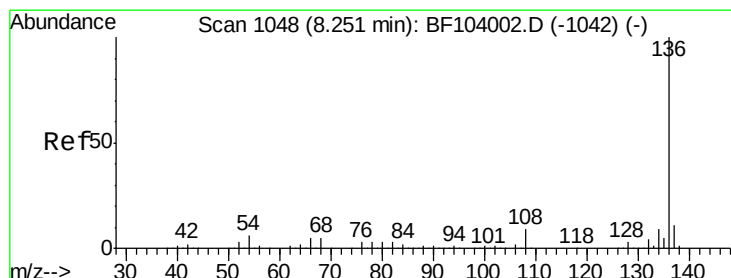
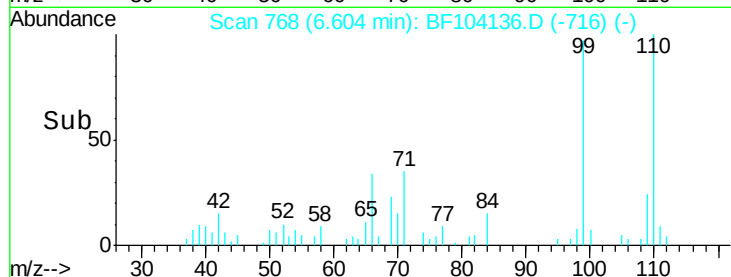
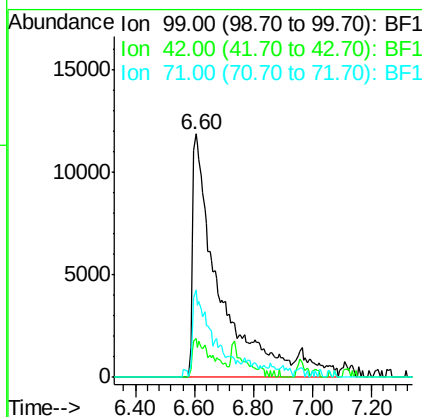
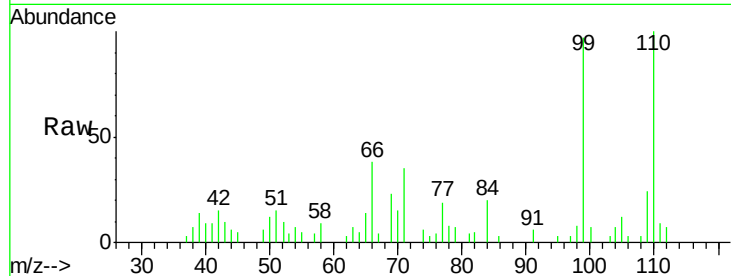
Concen: 8.892 ng/mL
 RT: 6.60 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-102(1-2)

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	15.7	14.5	21.7	
71	35.9	25.4	38.0	

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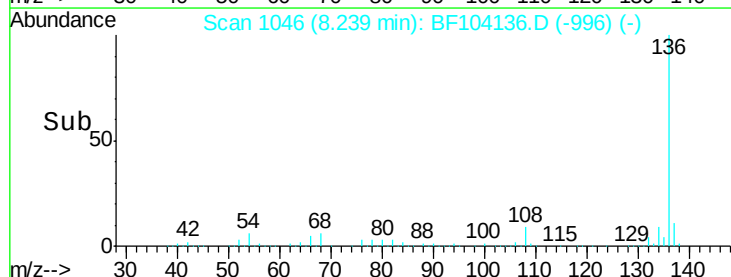
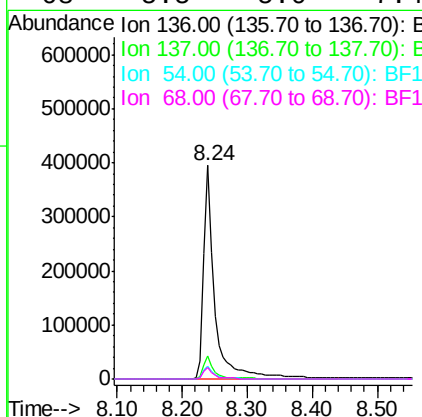
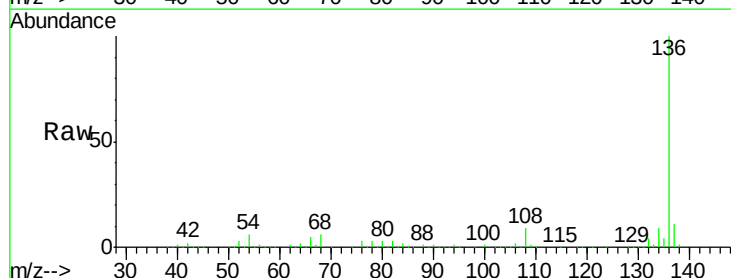


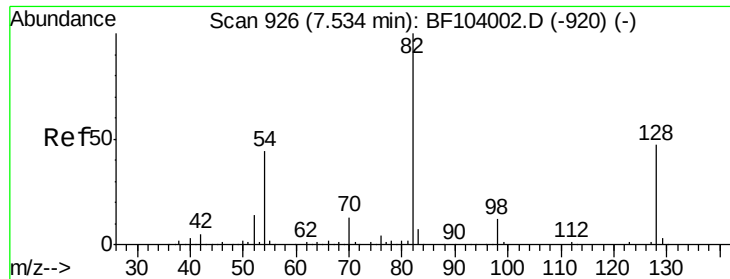
#21

Naphthalene-d8

Concen: 20.000 ng/mL
 RT: 8.24 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	6.2	6.6	9.8	
68	5.5	5.0	7.4	





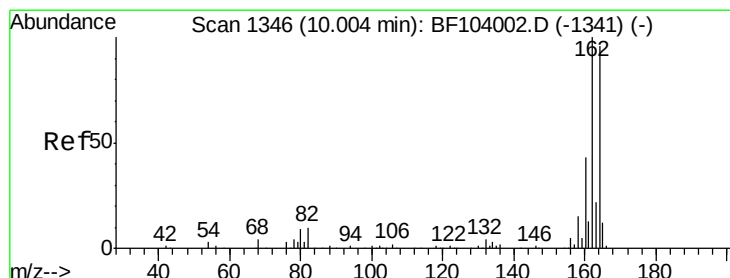
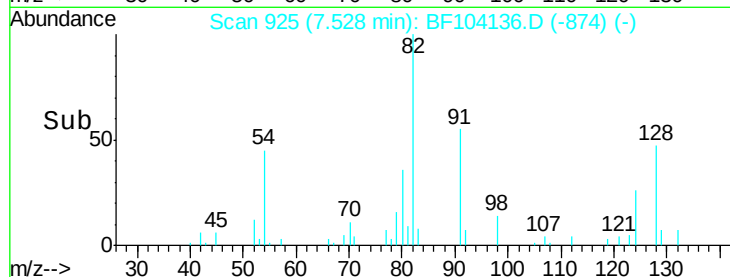
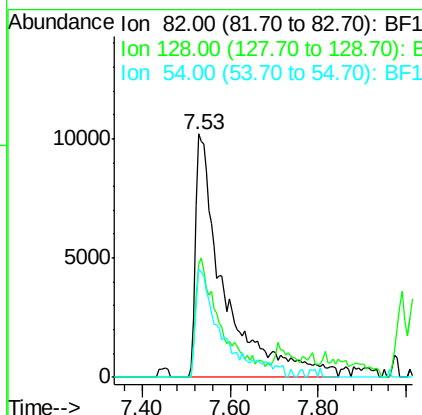
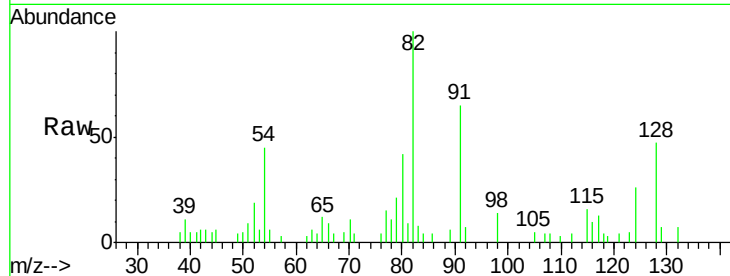
#23
 Nitrobenzene-d5
 Concen: 5.847 ng m
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-102(1-2)

Tot Ion	82	Resp	46305
Ion Ratio	100	Lower	Upper
128	46.6	36.1	54.1
54	44.6	41.4	62.2

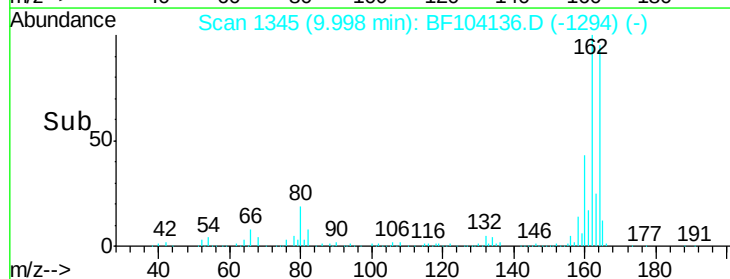
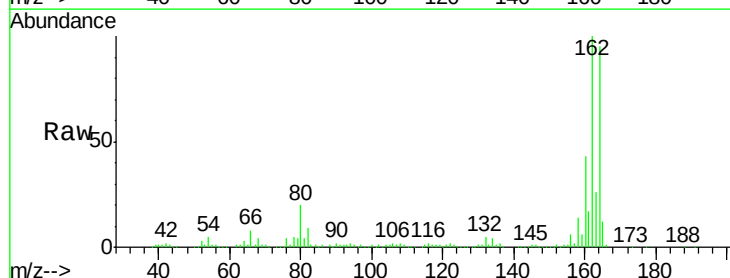
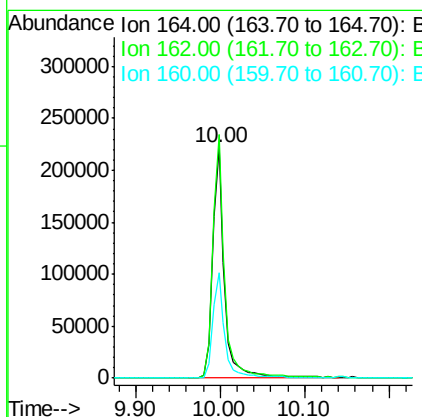
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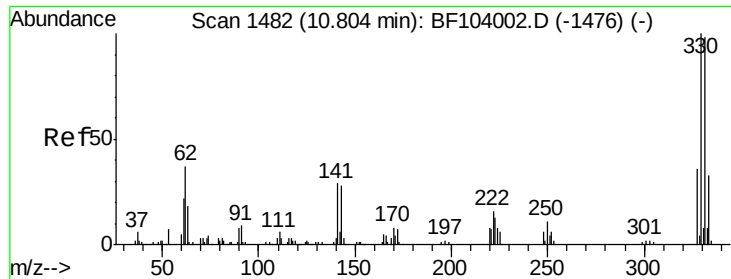
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Tgt Ion	164	Resp	223581
Ion Ratio	100	Lower	Upper
162	105.5	86.1	129.1
160	45.8	38.3	57.5





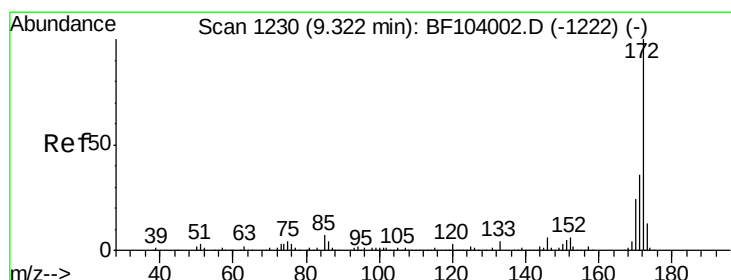
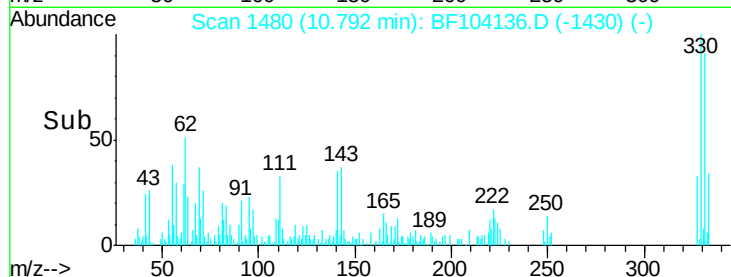
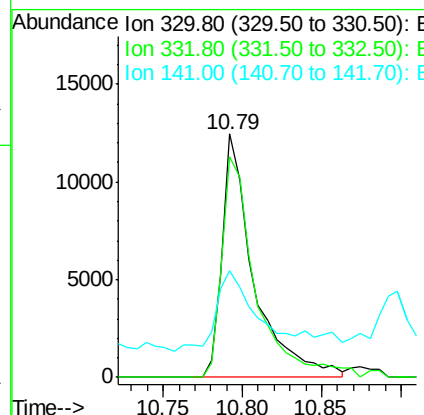
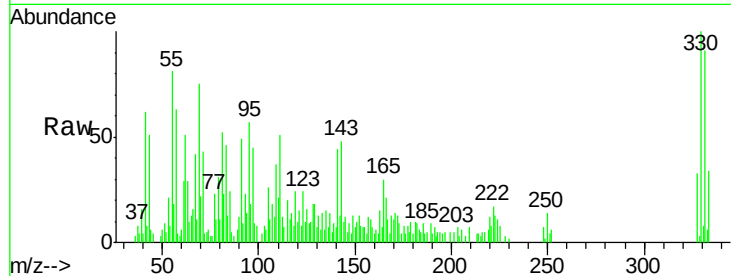
#41
 2,4,6-Tribromophenol
 Concen: 6.955 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-102(1-2)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	40.8	29.9	44.9

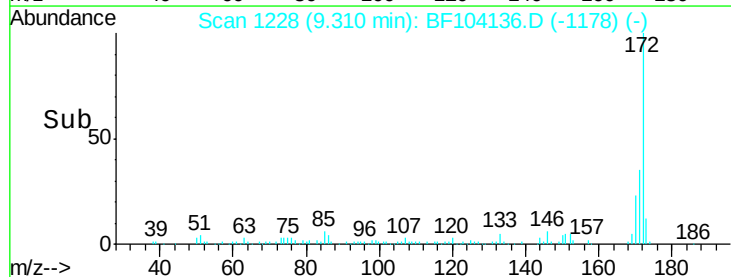
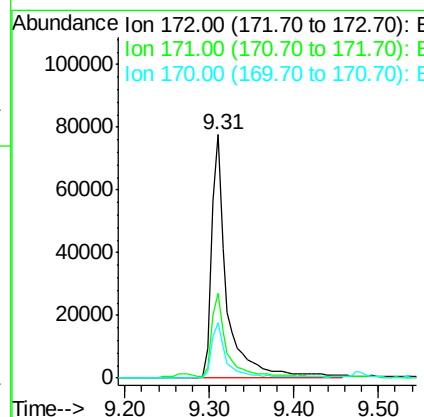
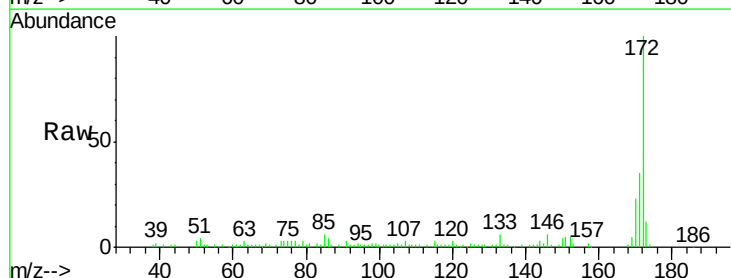
Manual Integrations
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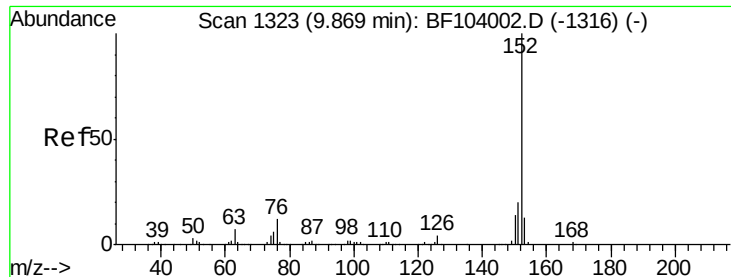
Sohil
 4/3/2018 2:27:09 PM



#44
 2-Fluorobiphenyl
 Concen: 6.984 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	22.6	19.6	29.4





#48

Acenaphthylene

Concen: 20.647 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

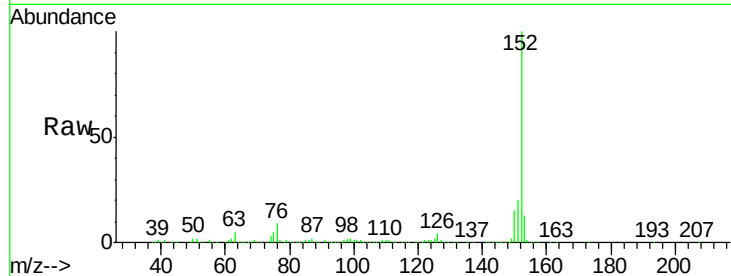
ClientSampleId :

SB-102(1-2)

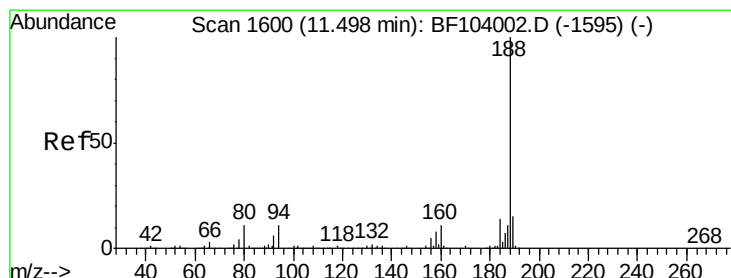
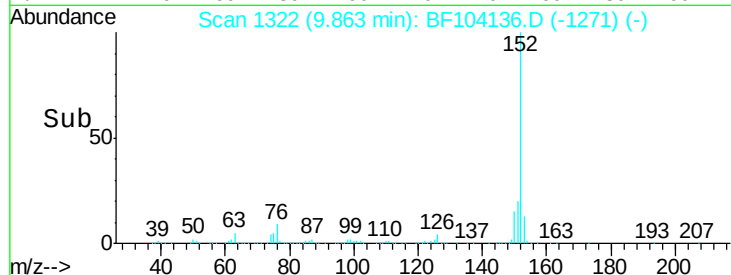
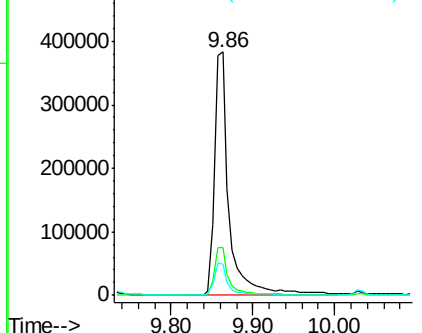
Tot Ion:	152	Resp:	473466
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	12.8	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

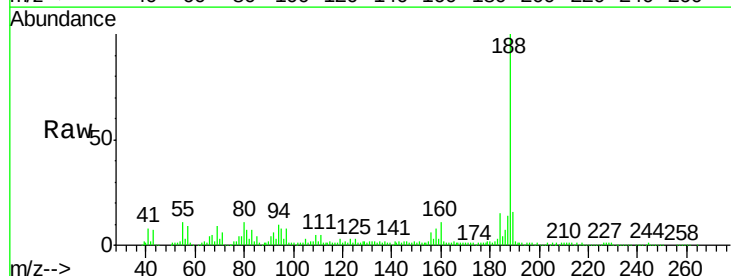
RT: 11.50 min Scan# 1600

Delta R.T. -0.00 min

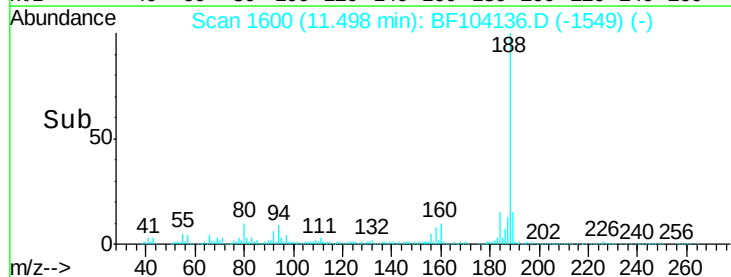
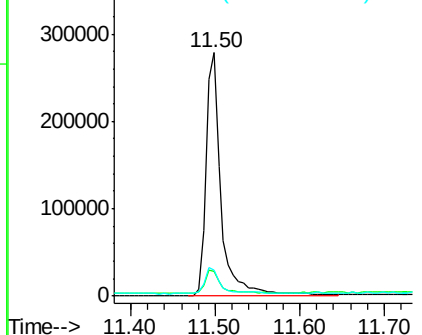
Lab File: BF104136.D

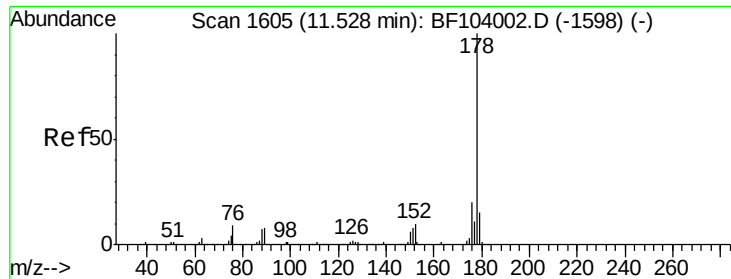
Acq: 2 Apr 2018 15:41

Tgt Ion:	188	Resp:	344978
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 2.754 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

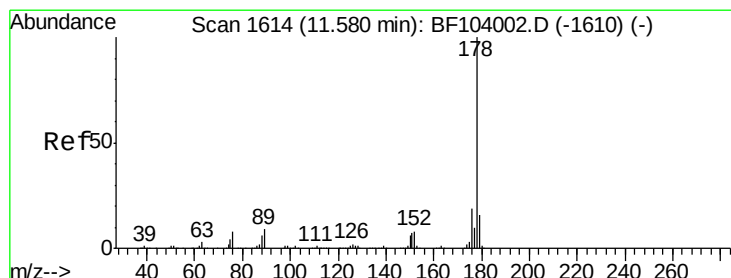
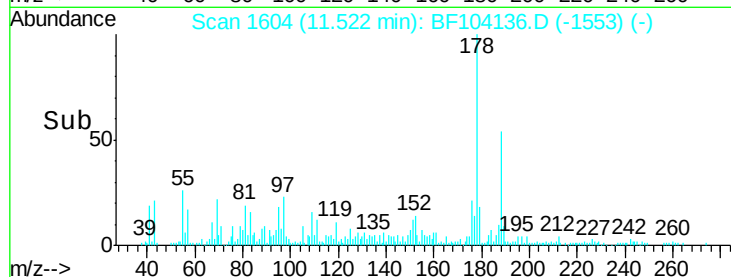
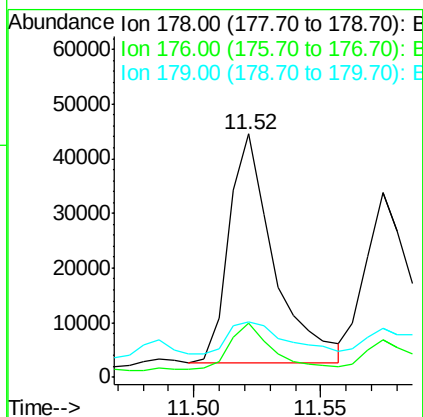
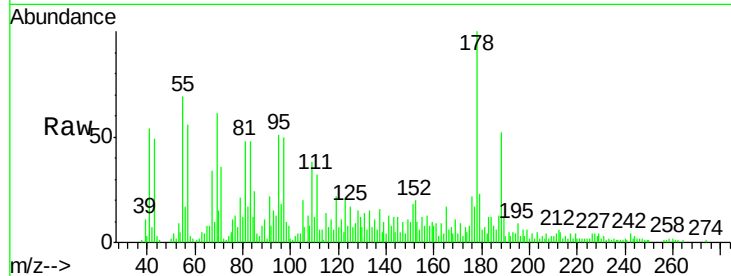
ClientSampled :

SB-102(1-2)

Tot Ion:	178	Resp:	51436
Ion Ratio	Lower	Upper	
178	100		
176	22.0	15.8	23.8
179	22.8	13.0	19.6

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#71

Anthracene

Concen: 2.104 ng

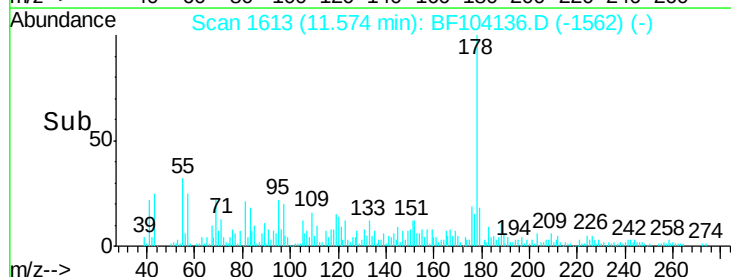
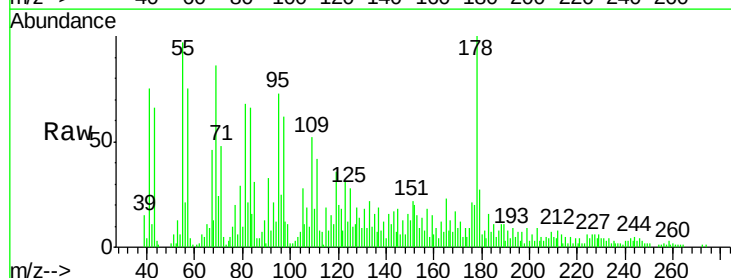
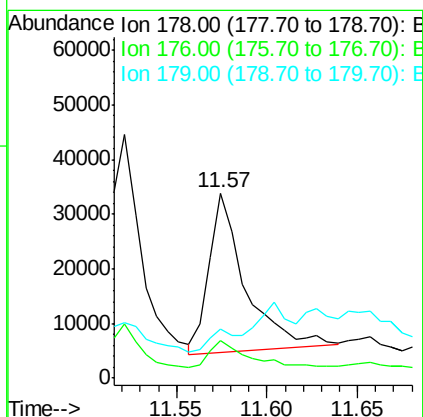
RT: 11.57 min Scan# 1613

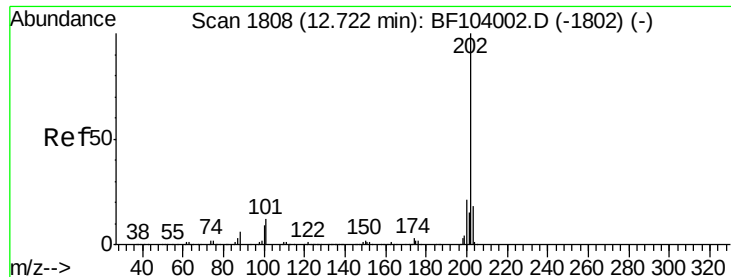
Delta R.T. -0.00 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Tgt Ion:	178	Resp:	41039
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.4	23.2
179	26.5	12.6	19.0





#74

Fluoranthene

Concen: 3.571 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

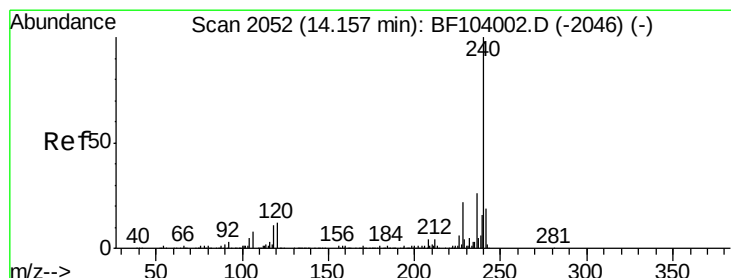
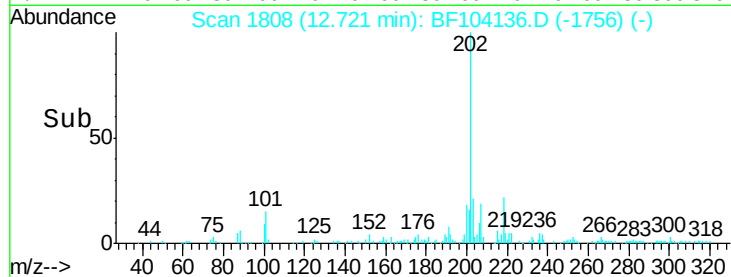
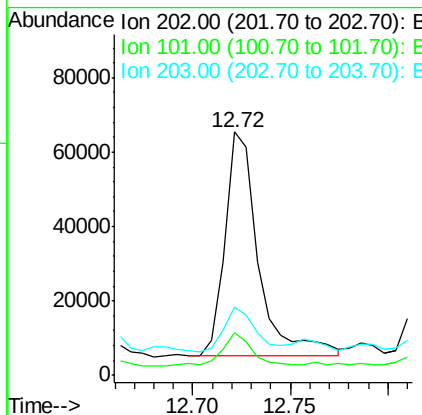
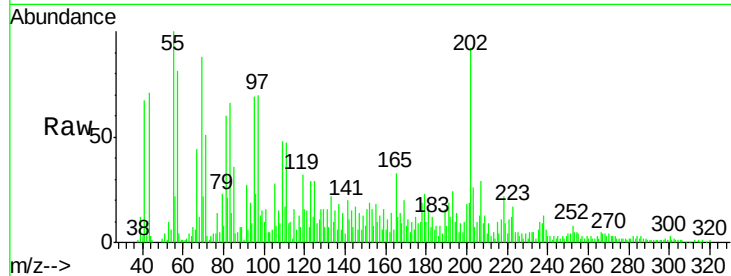
ClientSampleId :

SB-102(1-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		70896		
101	17.4	0.0	34.1		
203	28.2	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

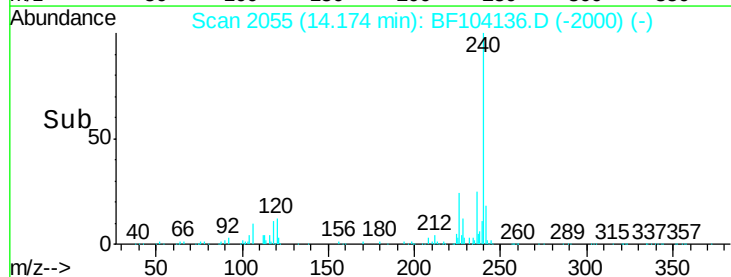
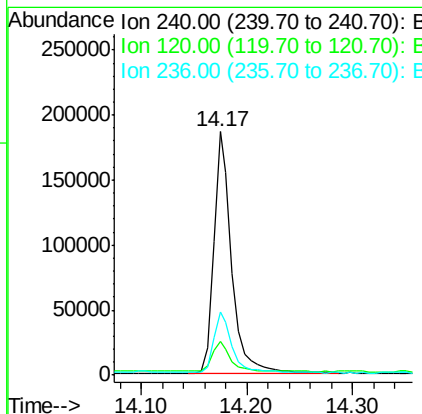
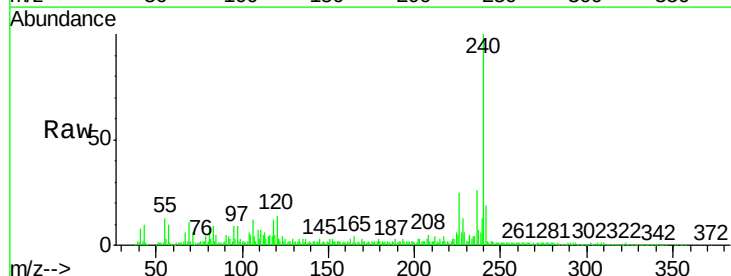
RT: 14.17 min Scan# 2055

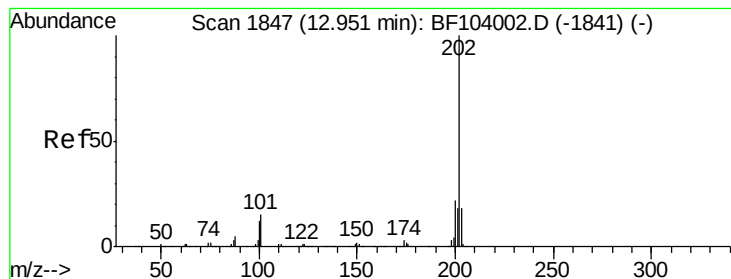
Delta R.T. 0.02 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		221516		
120	14.0	9.5	14.3		
236	26.2	20.7	31.1		





#77

Pvrene

Concen: 9.158 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

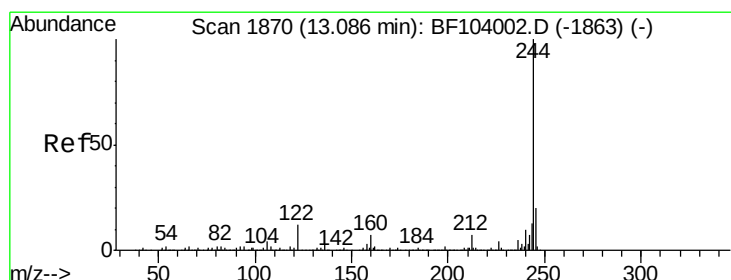
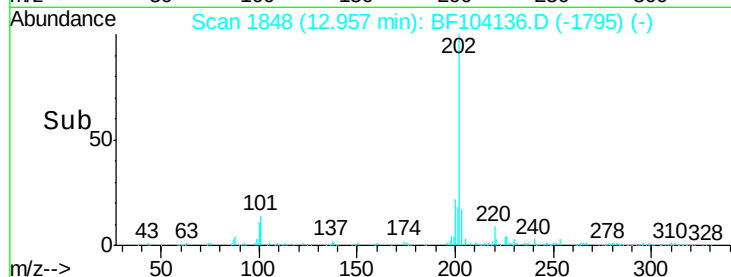
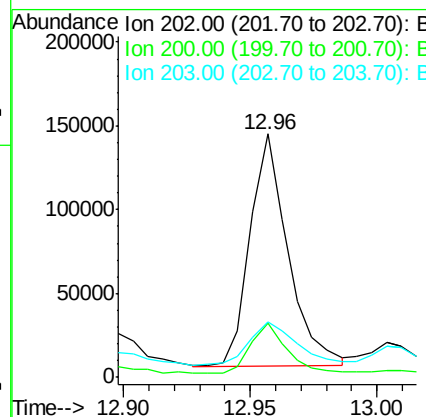
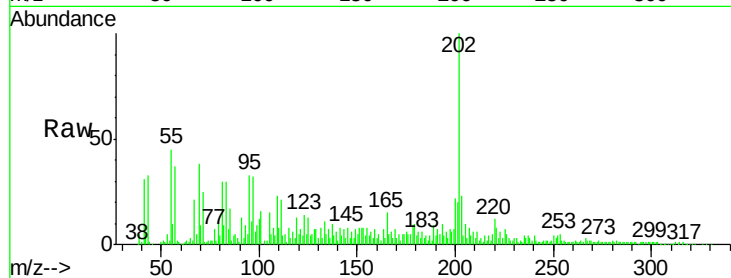
ClientSampleId :

SB-102(1-2)

Tot Ion:	202	Resp:	145832
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.4	26.2
203	22.8	14.3	21.5#

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#78

Terphenyl-d14

Concen: 6.705 ng

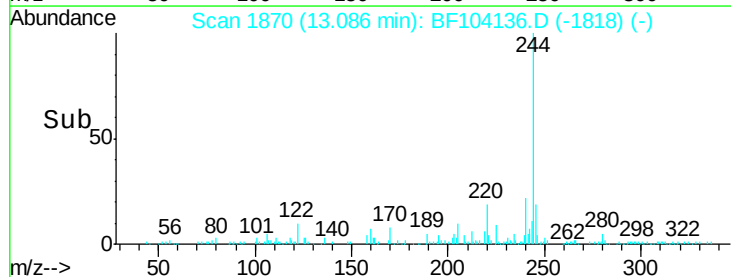
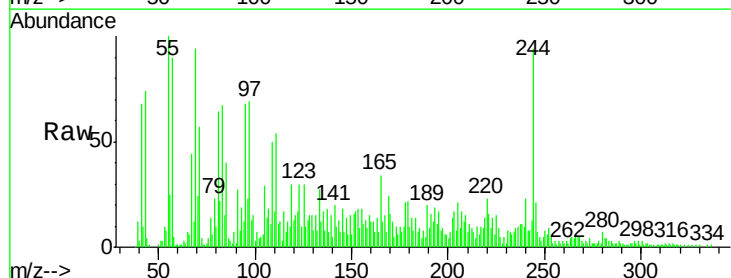
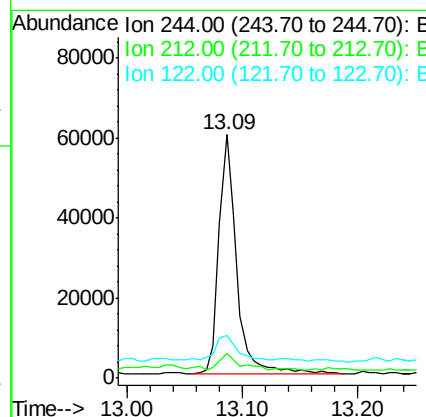
RT: 13.09 min Scan# 1870

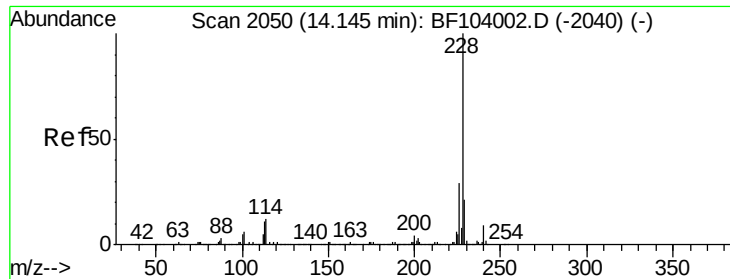
Delta R.T. 0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Tgt Ion:	244	Resp:	64328
Ion Ratio	Lower	Upper	
244	100		
212	10.0	5.4	8.0#
122	17.7	11.0	16.4#





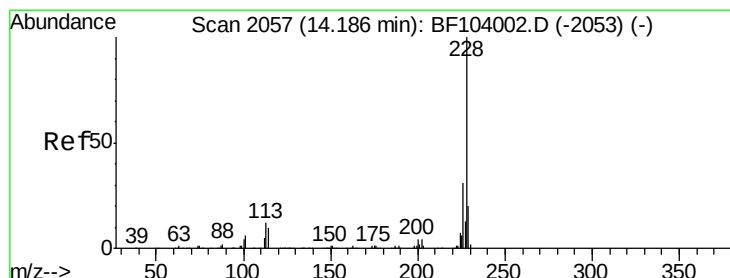
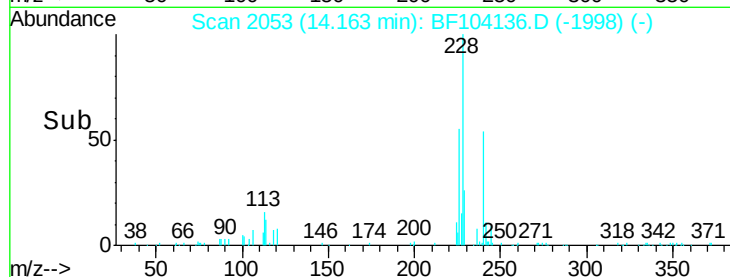
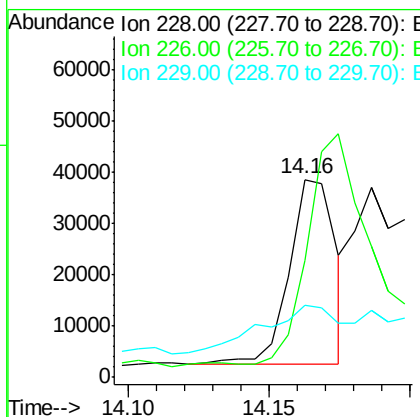
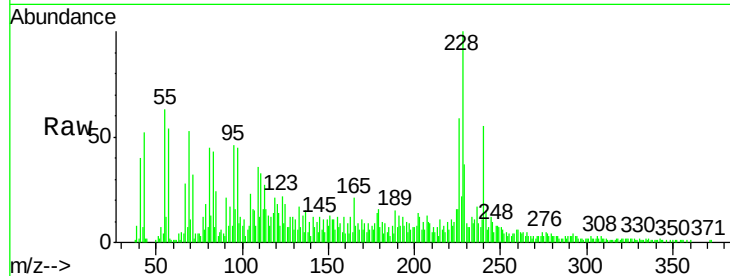
#80
Benzo(a)anthracene
Concen: 2.975 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.02 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Instrument :
BNA_F
ClientSampleId :
SB-102(1-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	59.1	22.6	33.8#
229	36.6	15.8	23.6#

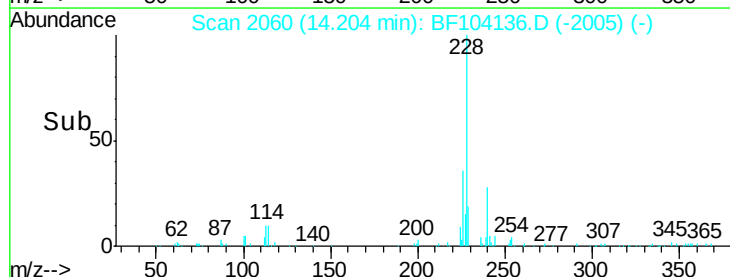
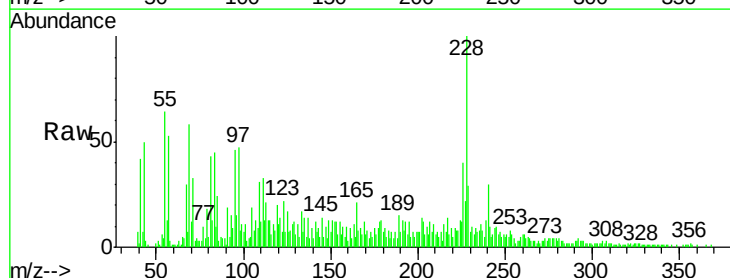
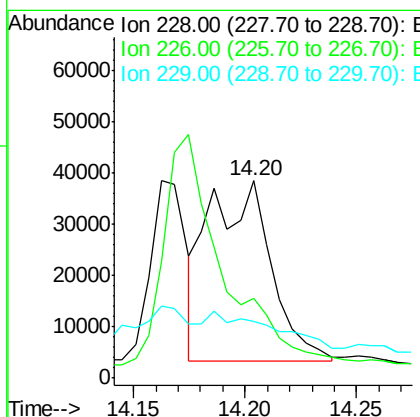
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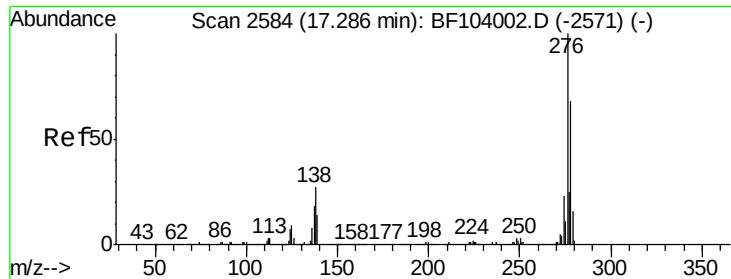
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#82
Chrysene
Concen: 5.039 ng m
RT: 14.20 min Scan# 2060
Delta R.T. 0.02 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.4	25.0	37.6#
229	29.1	16.2	24.4#





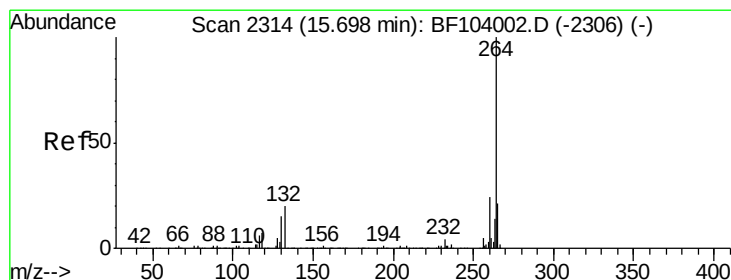
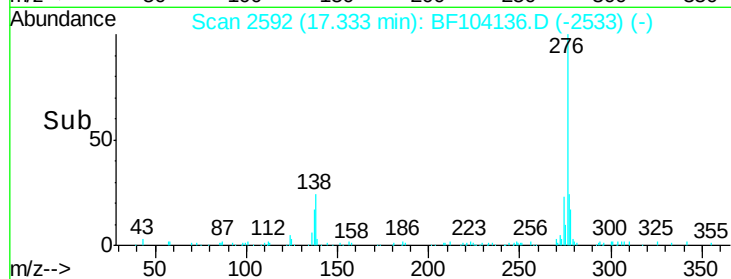
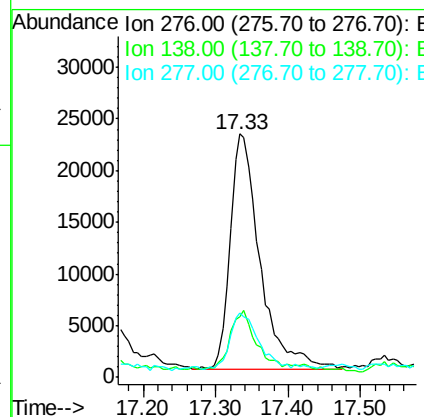
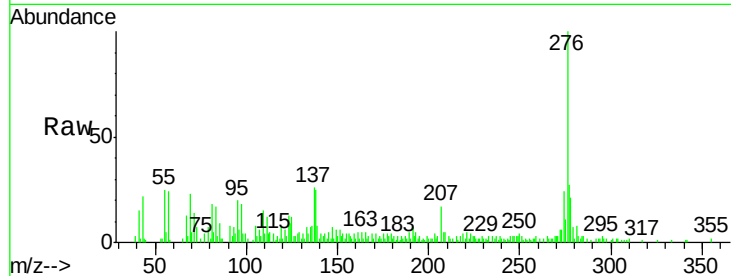
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.689 ng
 RT: 17.33 min Scan# 2592
 Delta R.T. 0.05 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-102(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	22.8	20.1	30.1

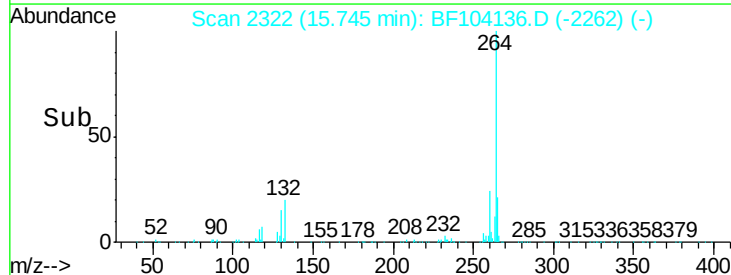
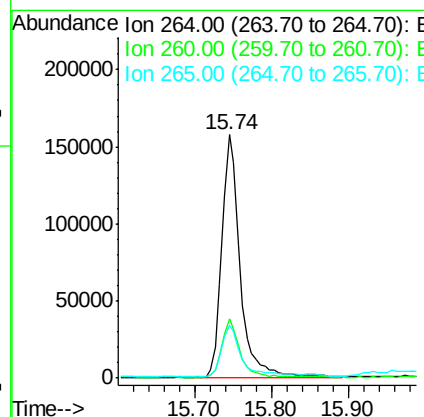
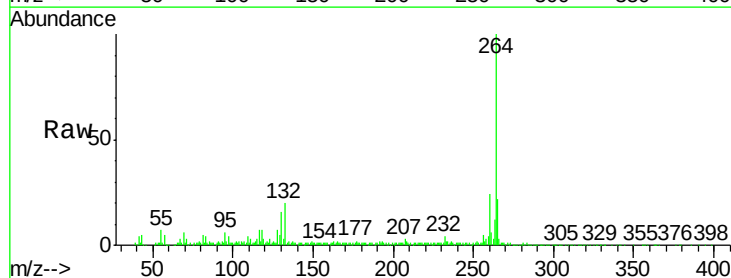
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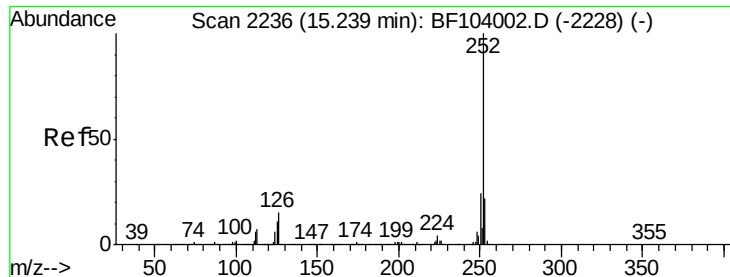
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2322
 Delta R.T. 0.05 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.954 ng m

RT: 15.29 min Scan# 2244

Delta R.T. 0.05 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

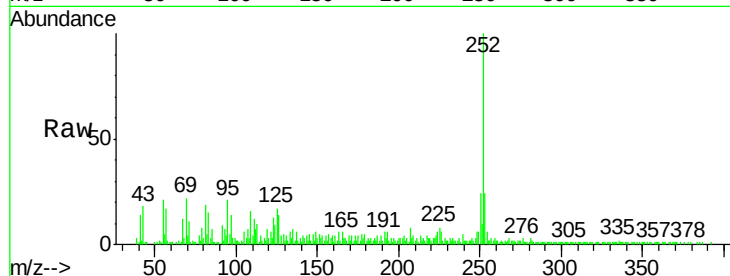
ClientSampleId :

SB-102(1-2)

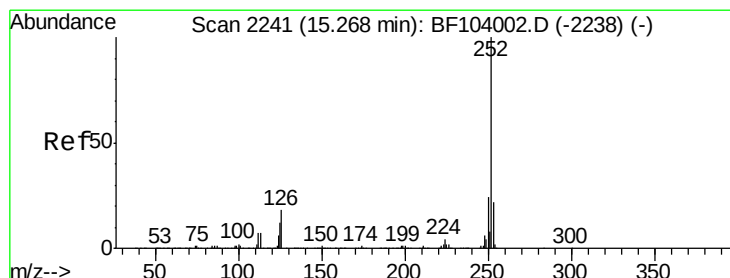
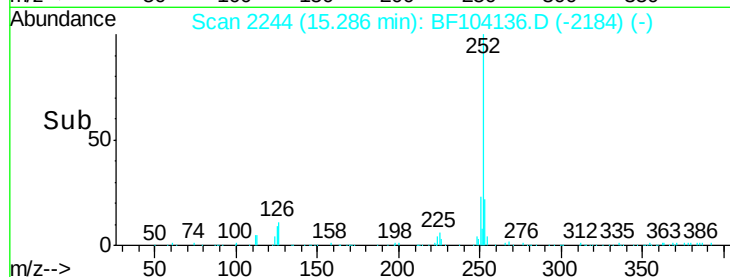
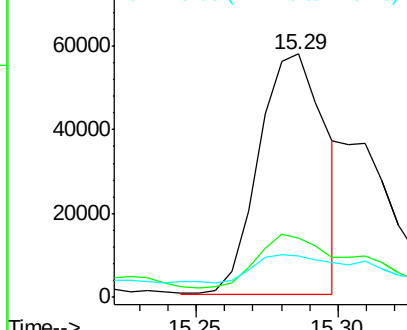
Tot Ion:	252	Resp:	93258
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.6
125	16.9	9.0	13.6#

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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: 3.355 ng m

RT: 15.30 min Scan# 2246

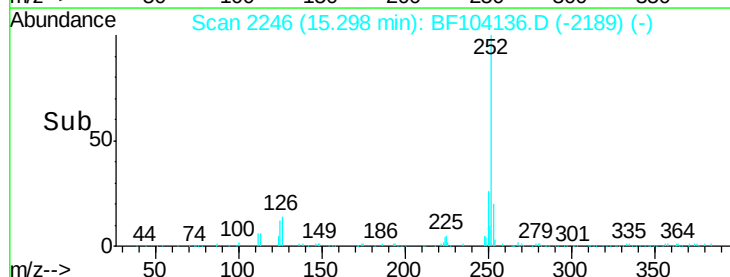
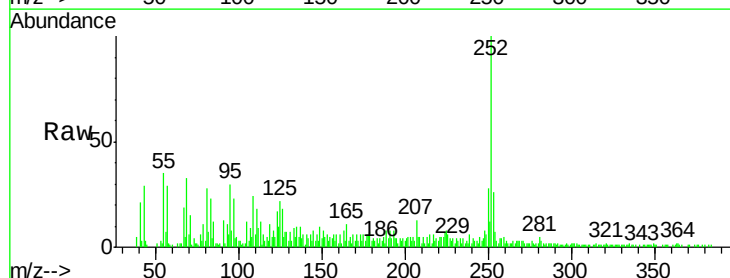
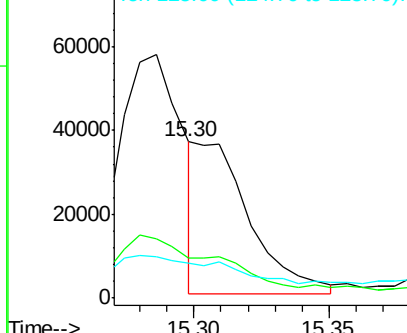
Delta R.T. 0.04 min

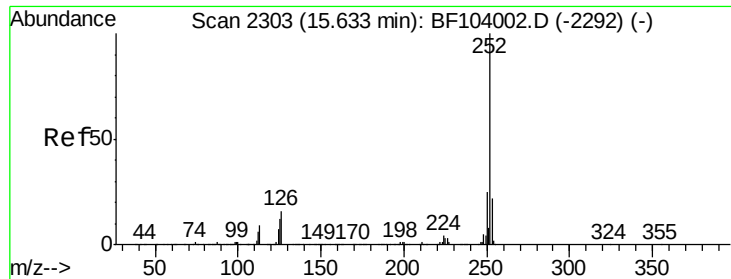
Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Tgt Ion:	252	Resp:	49498
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.9	26.9
125	22.1	10.2	15.2#

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





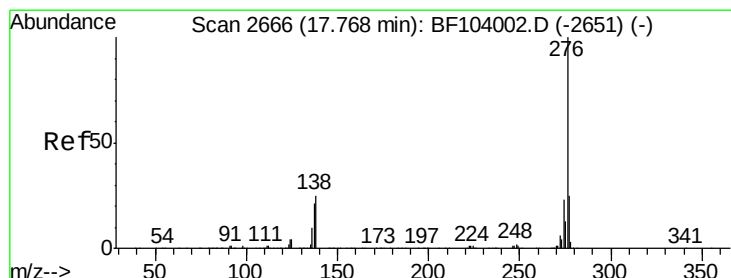
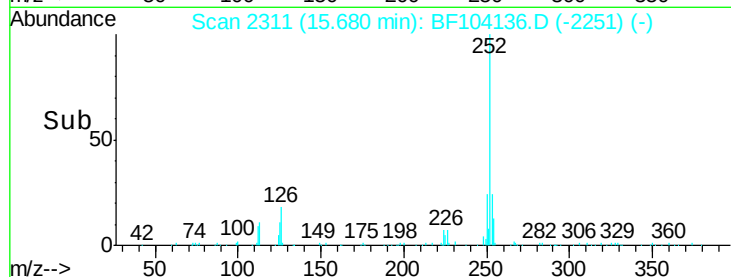
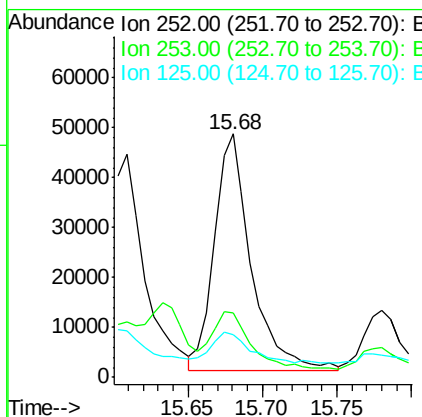
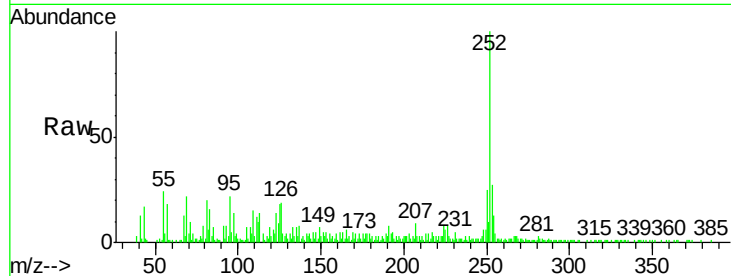
#89
Benzo(a)pyrene
Concen: 5.638 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.05 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Instrument :
BNA_F
ClientSampleId :
SB-102(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.1	25.7#
125	17.7	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.552 ng
RT: 17.82 min Scan# 2675
Delta R.T. 0.05 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	25.6	21.8	32.8

