

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102304.D
 Acq On : 22 Jan 2018 17:31
 Operator : SJ/JU
 Sample : J1238-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0-DUP

Manual Integrations
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Sohil
 1/23/2018 12:46:41 PM

Quant Time: Jan 23 10:10:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	160666	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	663755	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	286901	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	432567	20.00	ng	0.00
75) Chrysene-d12	13.87	240	294164	20.00	ng	0.00
86) Perylene-d12	15.29	264	267360	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1030475	97.25	ng	0.00
7) Phenol-d6	6.36	99	1251157	97.94	ng	0.00
23) Nitrobenzene-d5	7.28	82	795942	68.91	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	239194	84.14	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1239664	63.53	ng	0.00
78) Terphenyl-d14	12.82	244	814651	62.43	ng	0.00
Target Compounds						
10) Phenol	6.37	94	48743	3.495	ng	99
49) Dimethylphthalate	9.47	163	280830	11.842	ng	100
70) Phenanthrene	11.25	178	137226	5.444	ng	95
74) Fluoranthene	12.44	202	214401	8.341	ng	99
77) Pyrene	12.67	202	196577	8.643	ng	98
80) Benzo(a)anthracene	13.86	228	96652	5.337	ng	99
82) Chrysene	13.89	228	99637m	5.418	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	45592	3.002	ng	97
87) Benzo(b)fluoranthene	14.89	252	131543m	7.591	ng	
88) Benzo(k)fluoranthene	14.91	252	33218m	2.029	ng	
89) Benzo(a)pyrene	15.23	252	85223	5.453	ng	# 93
91) Benzo(a,h,i)perylene	17.09	276	43246	3.460	ng	91

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

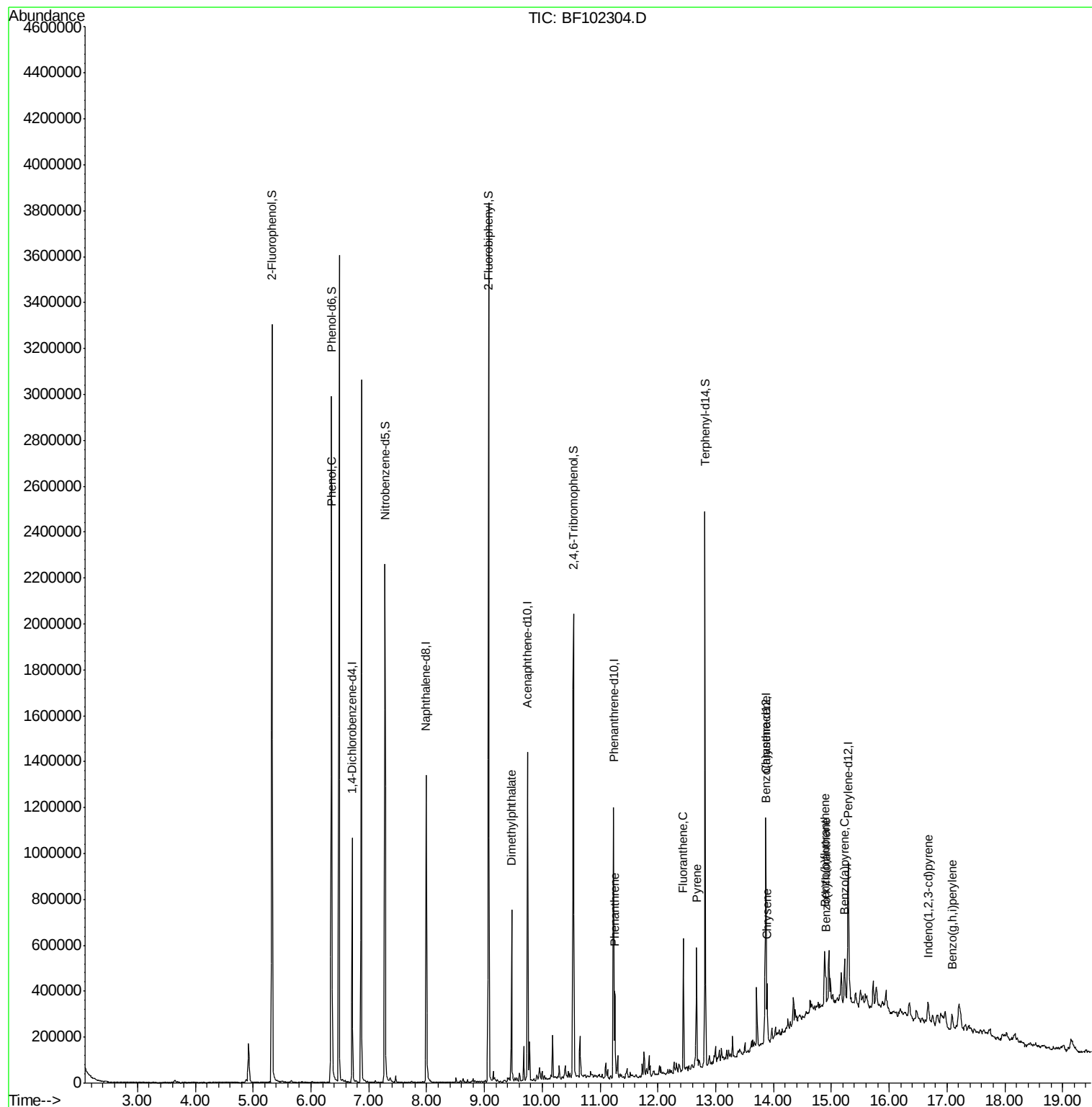
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102304.D
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Operator : SJ/JU
Sample : J1238-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

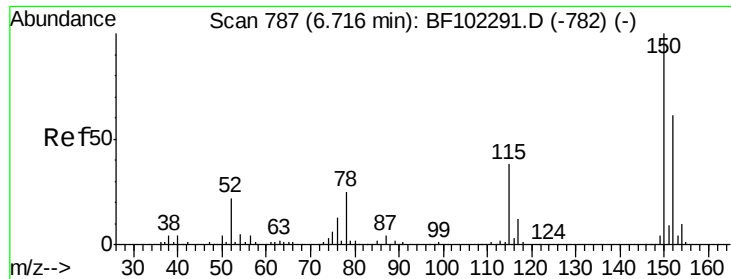
Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

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#1

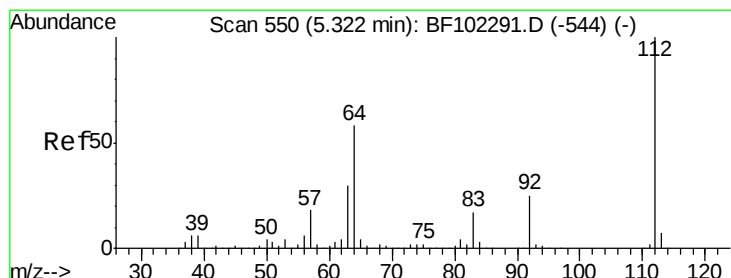
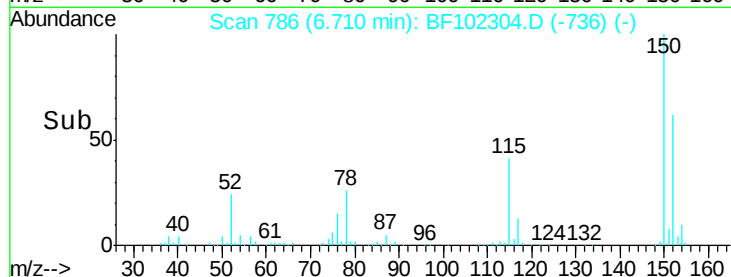
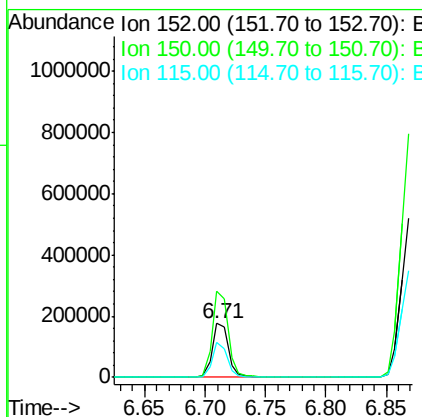
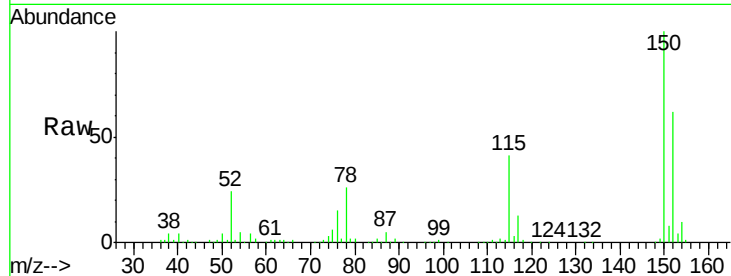
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	65.1	50.1	75.1

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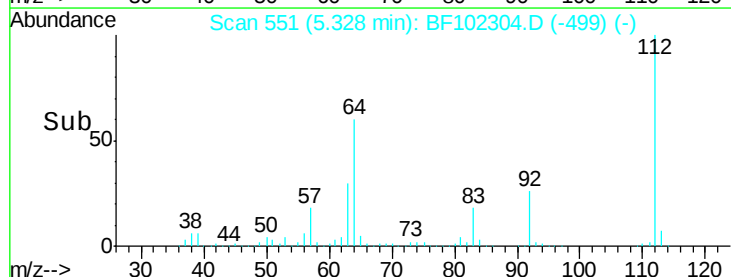
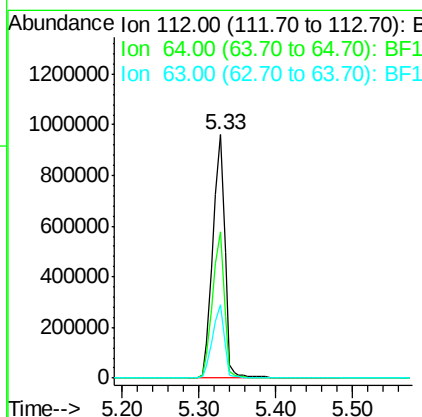
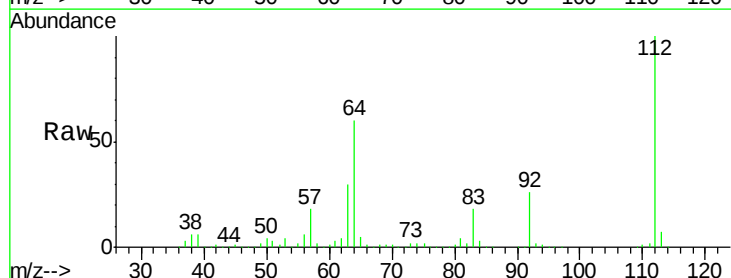
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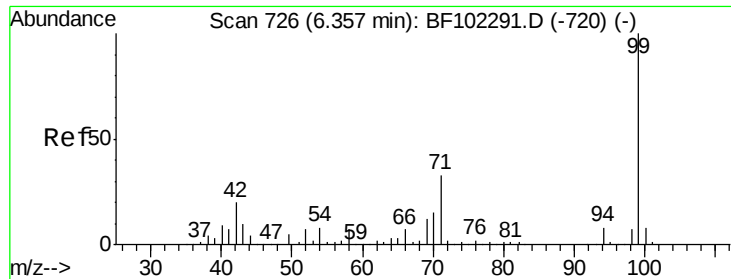


#5

2-Fluorophenol
 Concen: 97.249 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102304.D
 Acq: 22 Jan 2018 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 97.940 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

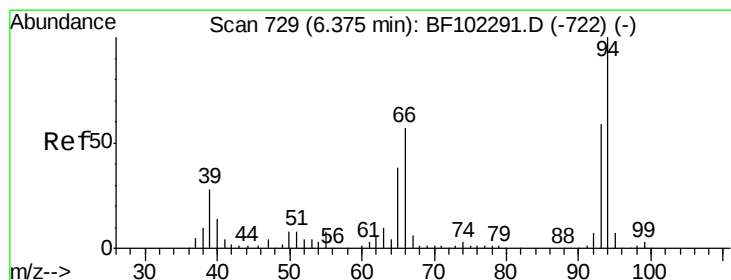
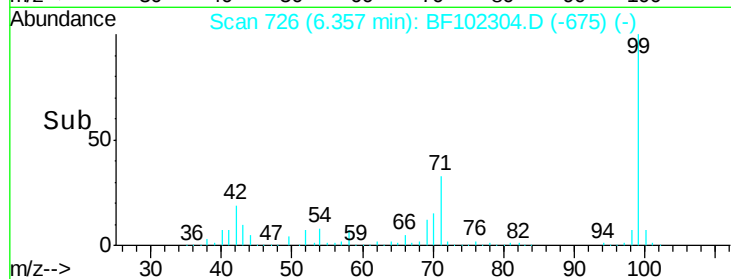
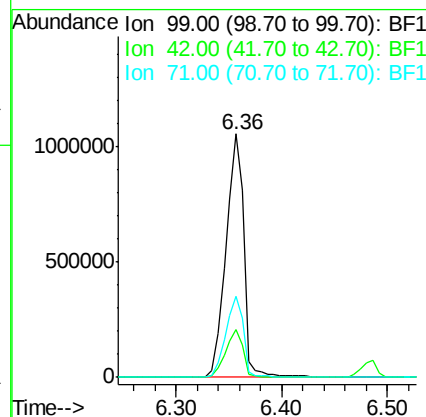
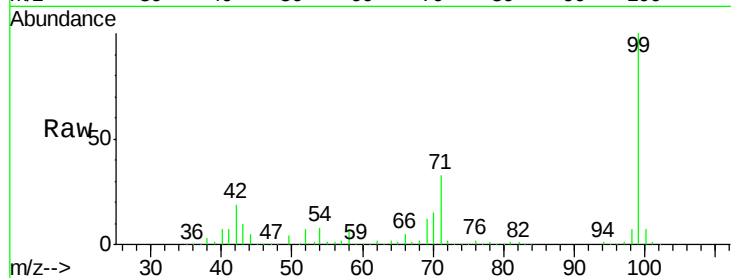
ClientSampleId :

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Tot Ion:	99	Resp:	1251157
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	33.3	25.4	38.0

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#10

Phenol

Concen: 3.495 ng

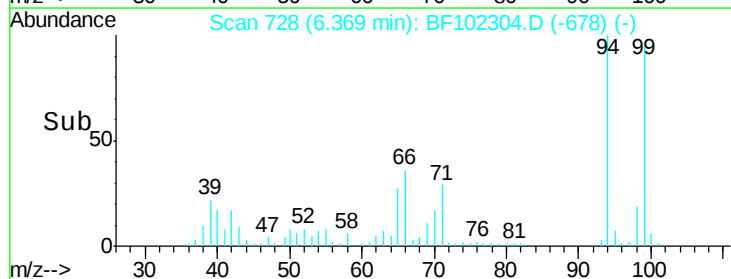
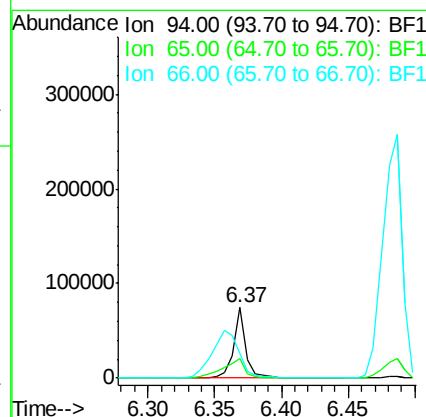
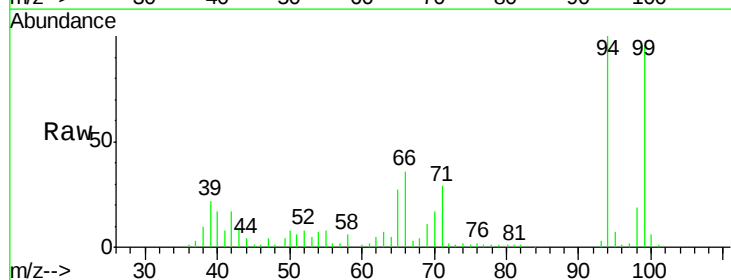
RT: 6.37 min Scan# 728

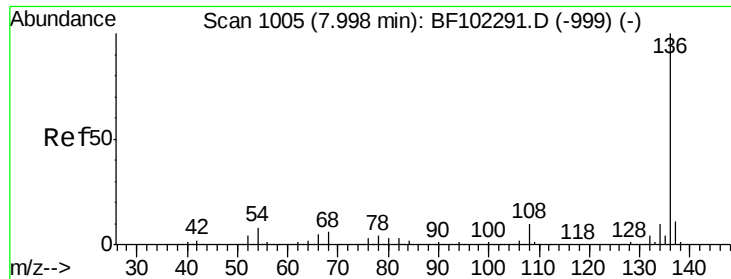
Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Tgt Ion:	94	Resp:	48743
Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.9	47.9
66	36.0	16.2	56.2





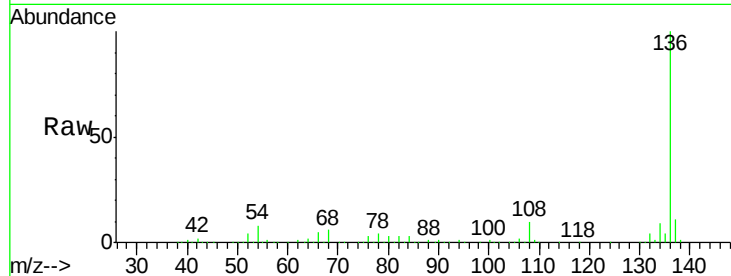
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

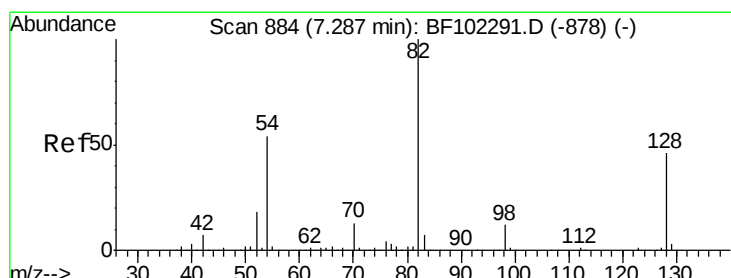
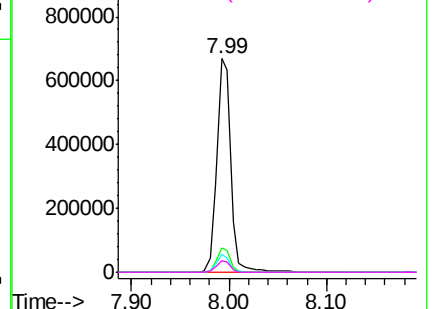
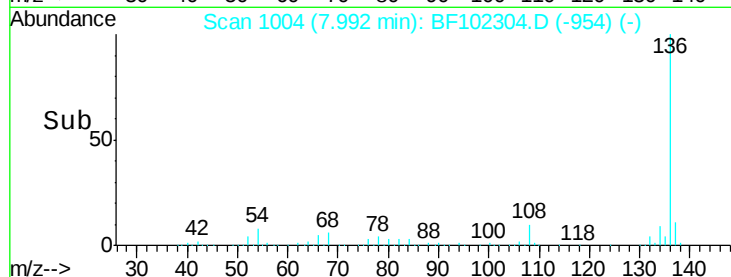
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		663755		
137	11.4	8.9	13.3		
54	8.4	6.6	9.8		
68	5.7	5.0	7.4		

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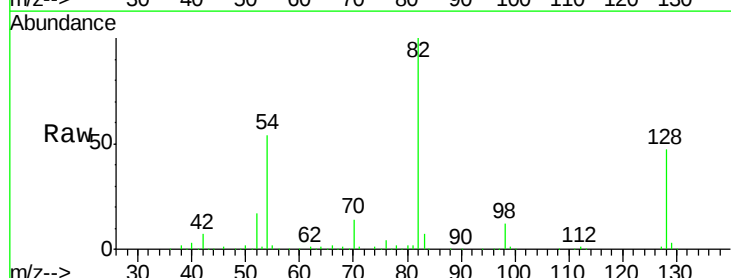


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

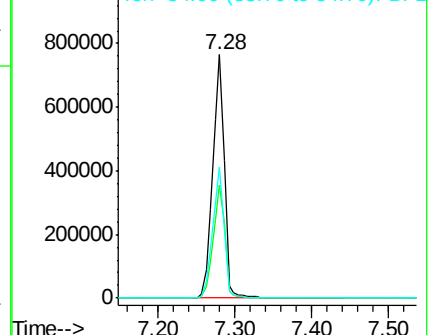
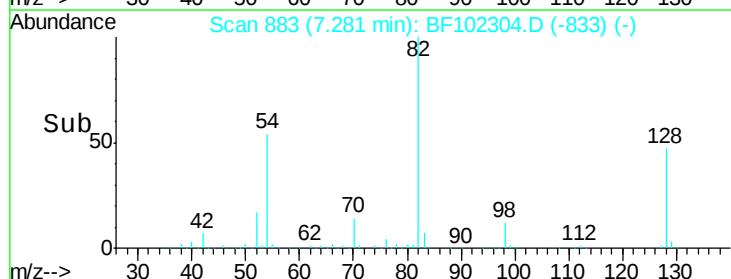


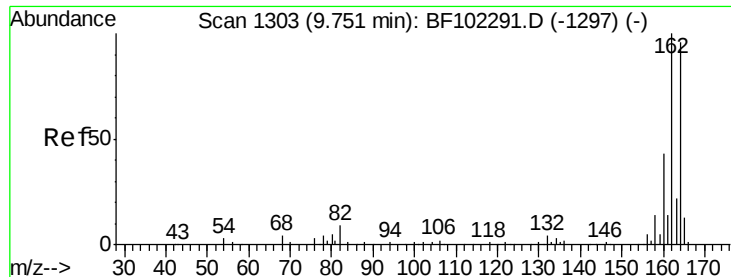
#23
Nitrobenzene-d5
Concen: 68.911 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		795942		
128	46.6	36.1	54.1		
54	54.0	41.4	62.2		



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

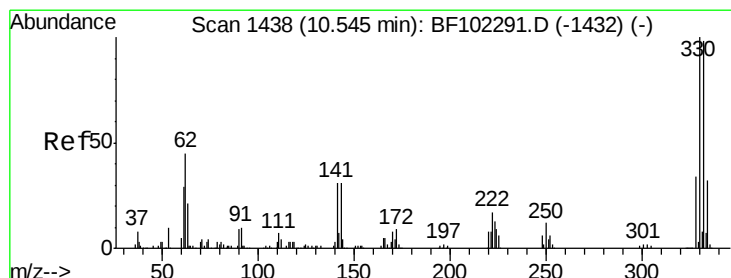
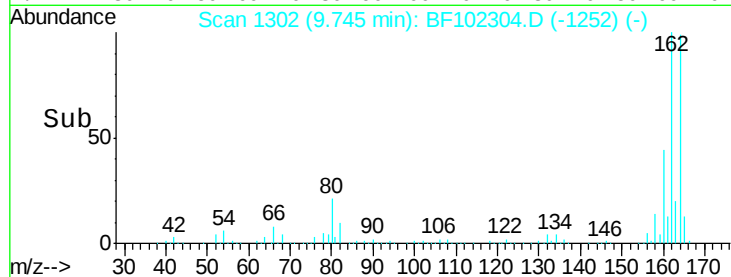
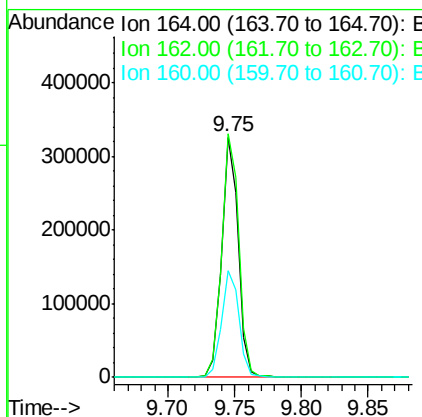
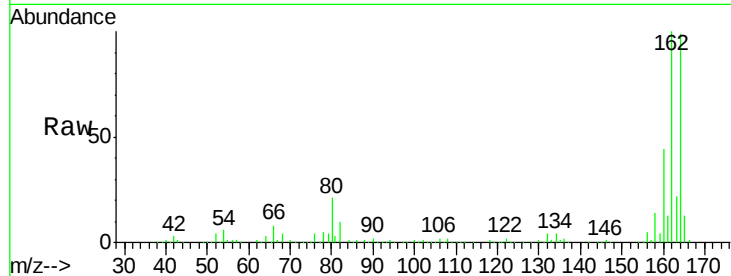
ClientSampleId :

SB-06-0-2.0-DUP

Tot Ion:	164	Resp:	286901
Ion Ratio	Lower	Upper	
164	100		
162	101.4	86.1	129.1
160	44.6	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 84.141 ng

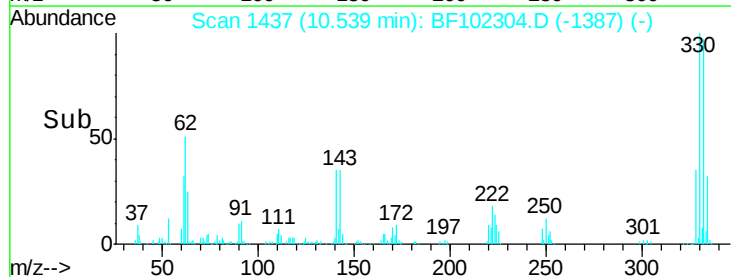
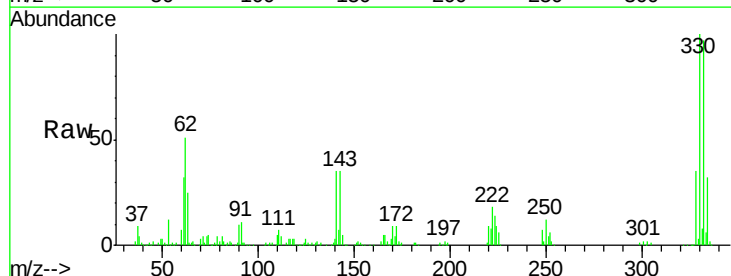
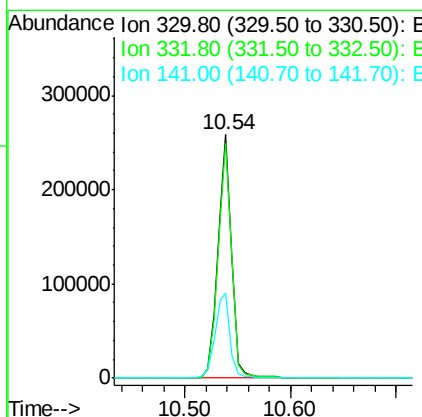
RT: 10.54 min Scan# 1437

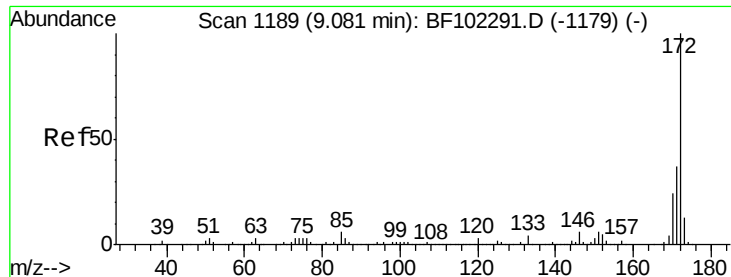
Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Tgt Ion:	330	Resp:	239194
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.0	115.6
141	38.5	29.9	44.9





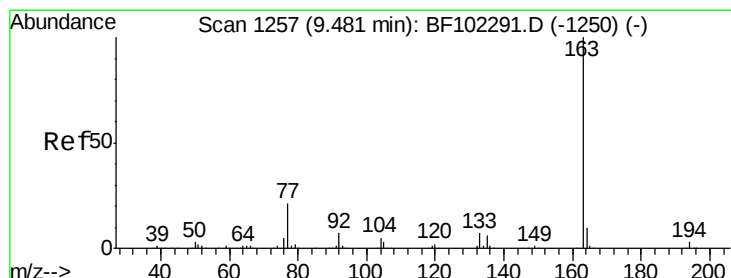
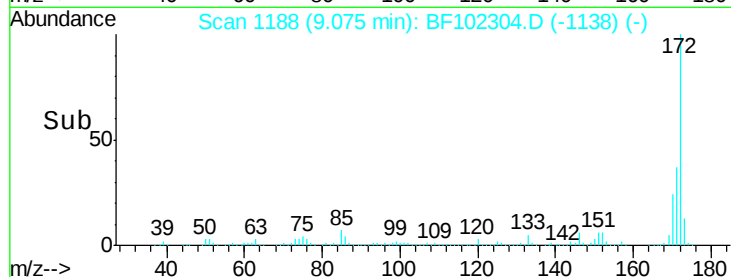
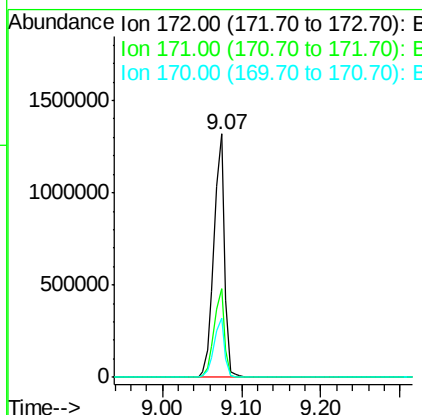
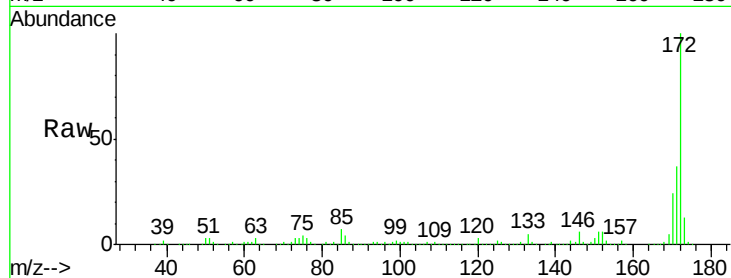
#44
2-Fluorobiphenyl
Concen: 63.532 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.1	19.6	29.4

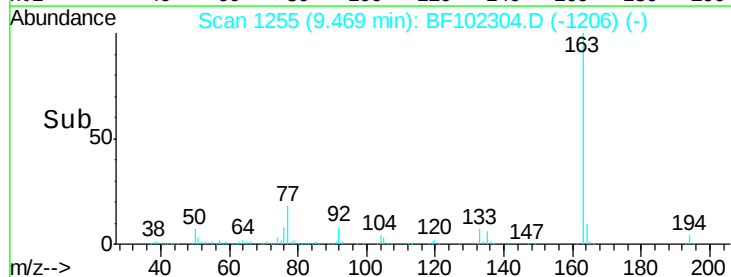
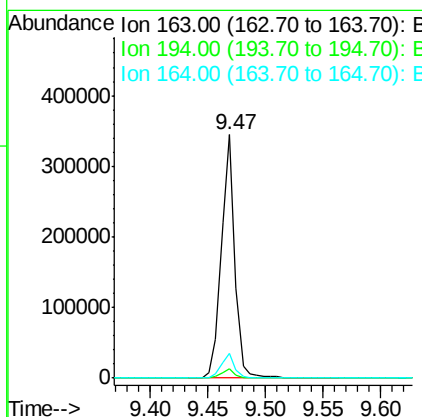
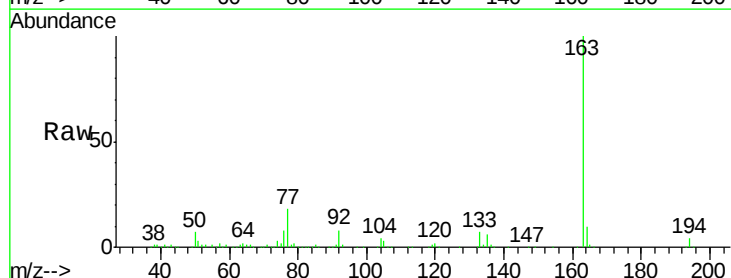
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#49
Dimethylphthalate
Concen: 11.842 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.0	8.2	12.2





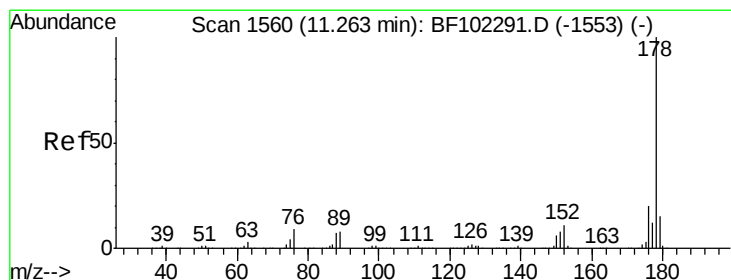
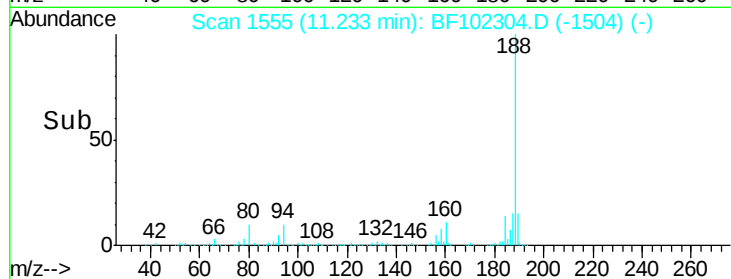
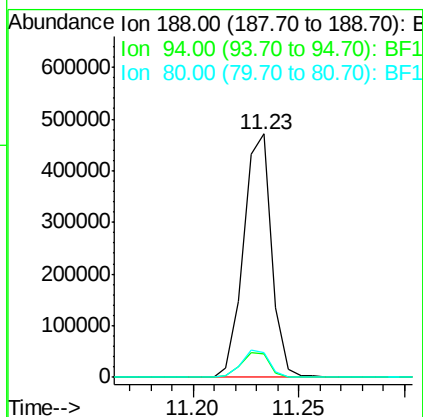
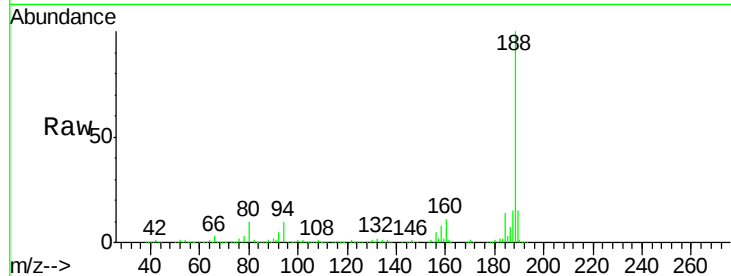
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

Tot Ion:	188	Resp:	432567
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	9.9	9.2	13.8

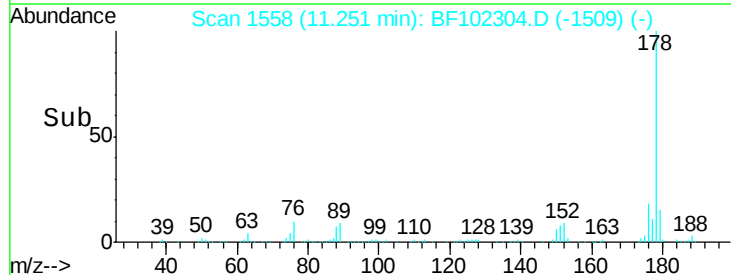
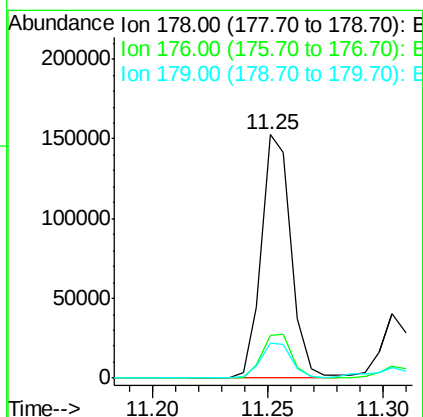
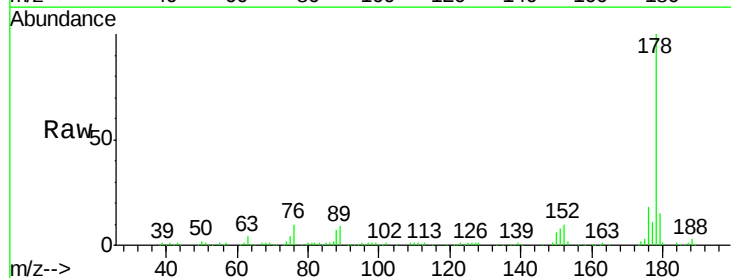
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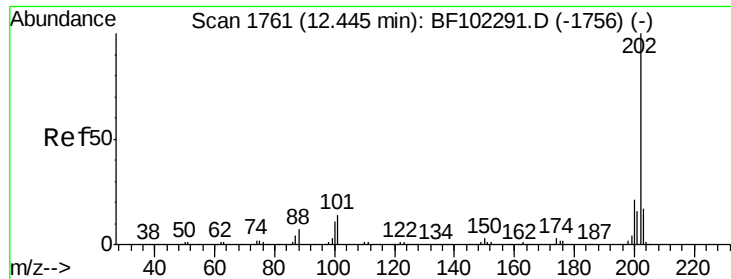
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#70
Phenanthrene
Concen: 5.444 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion:	178	Resp:	137226
Ion Ratio	Lower	Upper	
178	100		
176	17.5	15.8	23.8
179	14.6	13.0	19.6





#74

Fluoranthene

Concen: 8.341 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

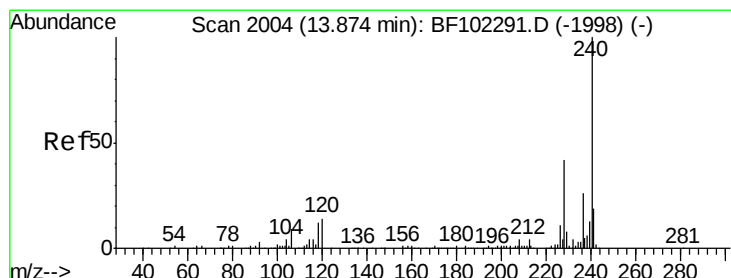
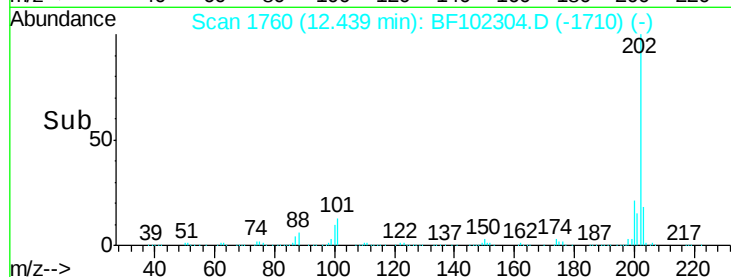
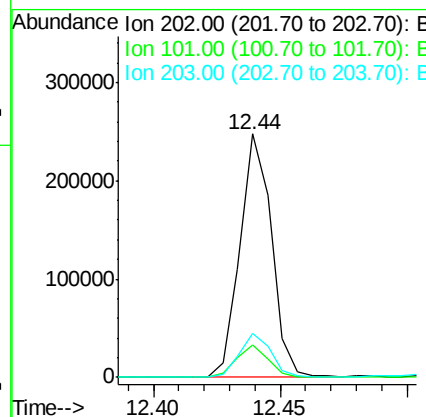
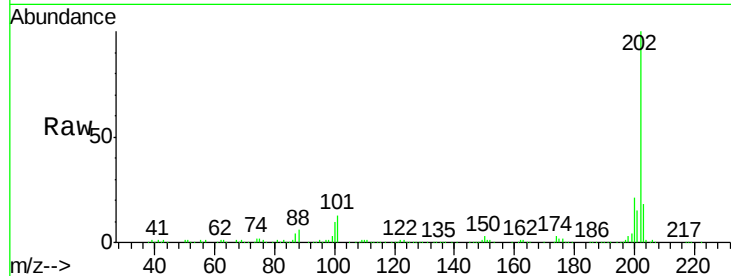
ClientSampleId :

SB-06-0-2.0-DUP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	214401		
101	13.2	0.0	34.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

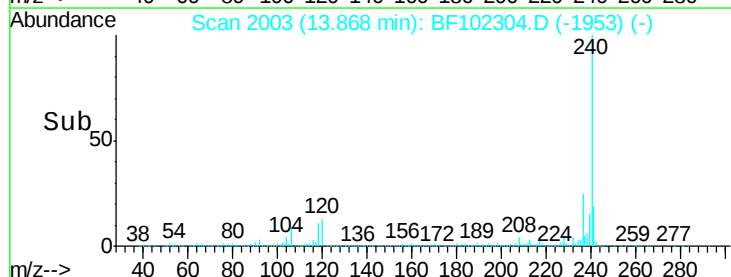
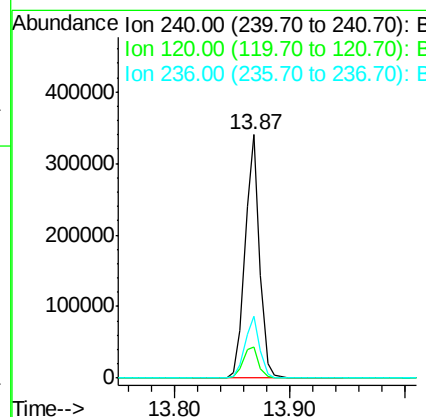
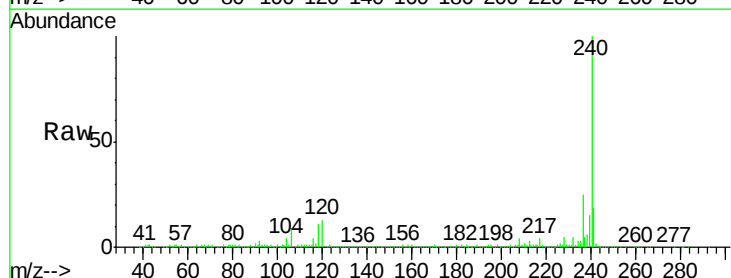
RT: 13.87 min Scan# 2003

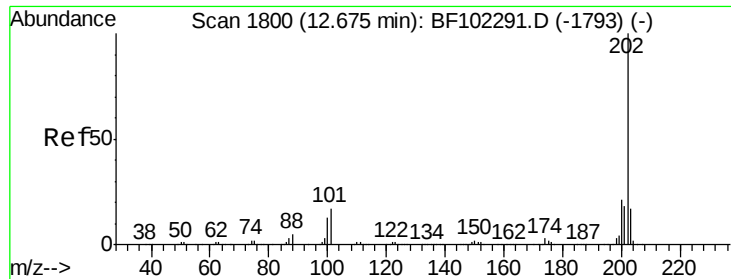
Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	294164		
120	12.7	9.5	14.3	
236	25.4	20.7	31.1	





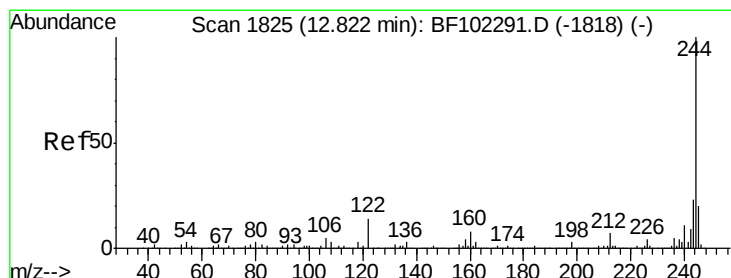
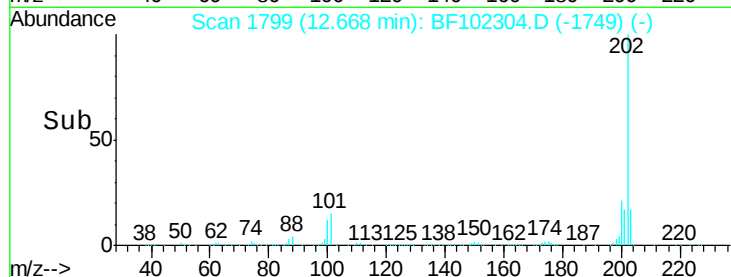
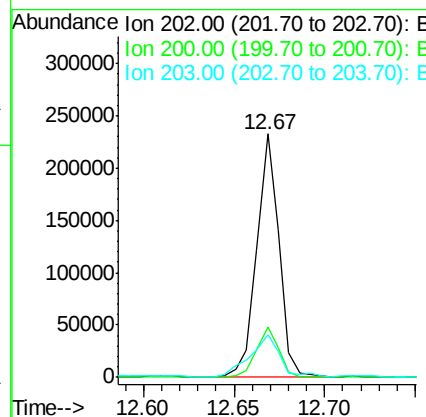
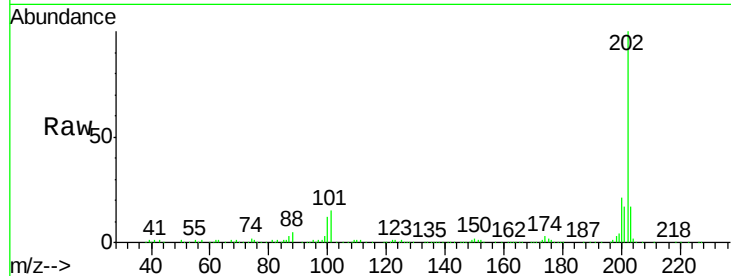
#77
Pvrene
Concen: 8.643 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.3	14.3	21.5

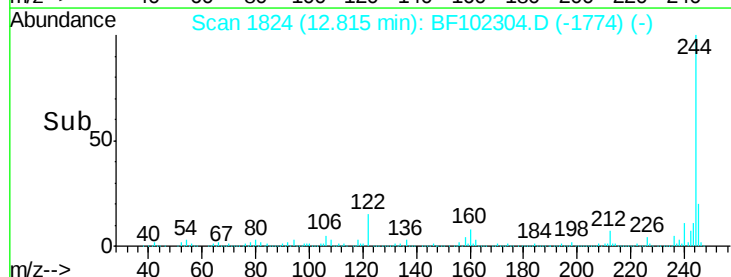
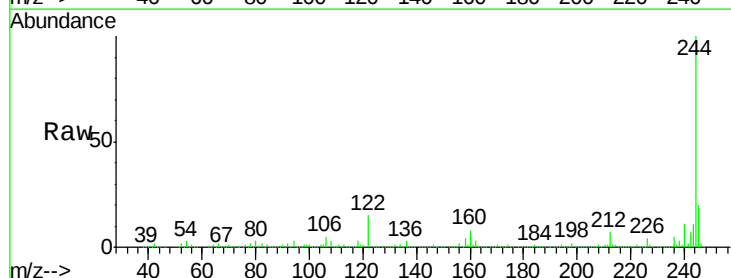
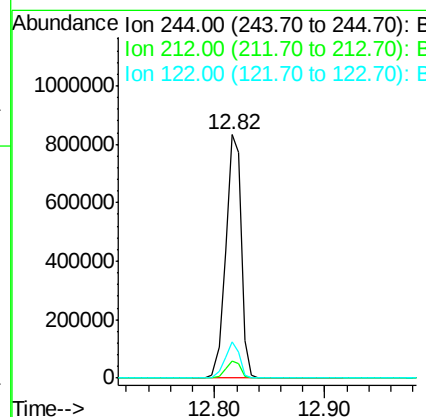
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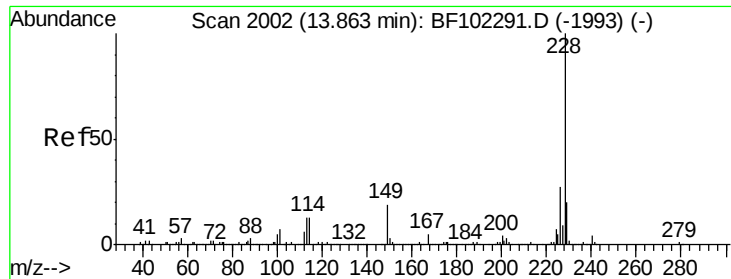
Sohil
1/23/2018 12:46:41 PM



#78
Terphenyl-d14
Concen: 62.432 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.4	8.0
122	15.0	11.0	16.4





#80

Benzo(a)anthracene

Concen: 5.337 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

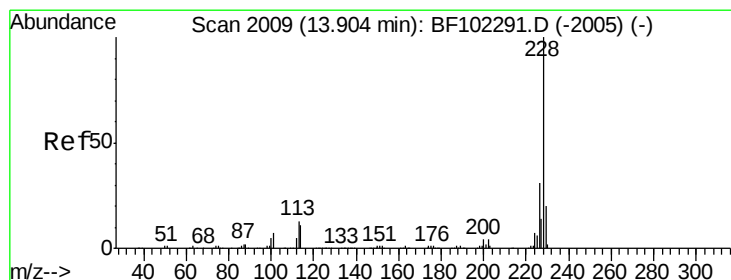
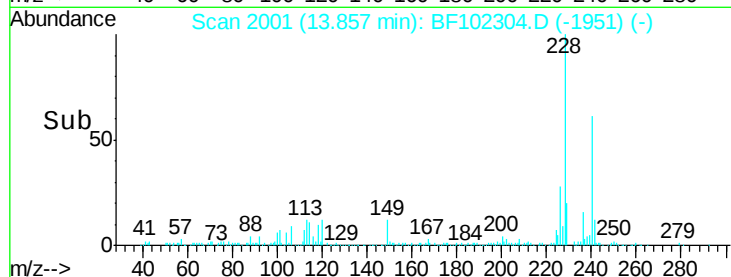
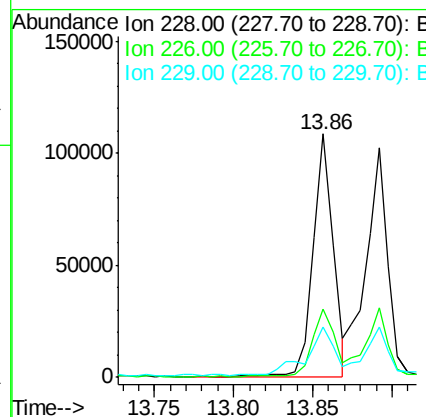
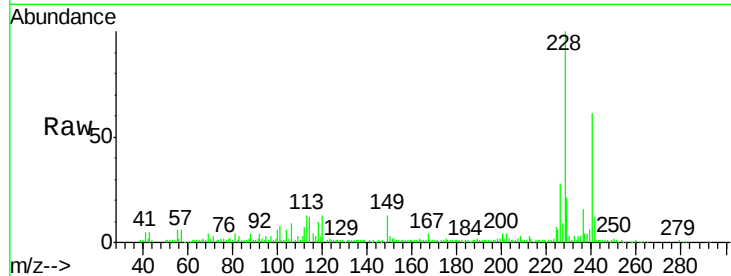
ClientSampleId :

SB-06-0-2.0-DUP

Tot Ion:	228	Resp:	96652
Ion Ratio		Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.9	15.8	23.6

Manual Integrations
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#82

Chrysene

Concen: 5.418 ng m

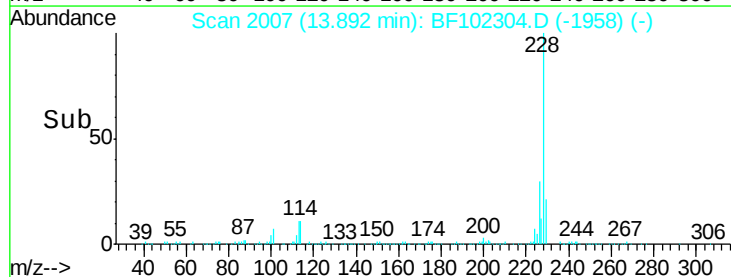
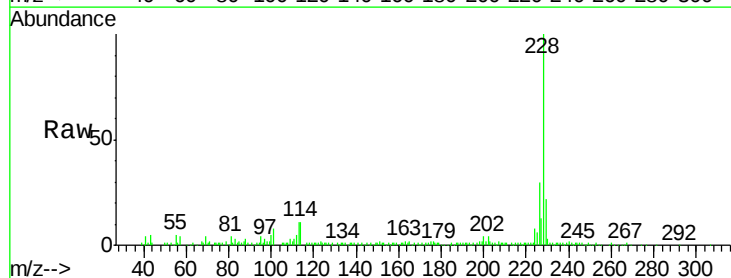
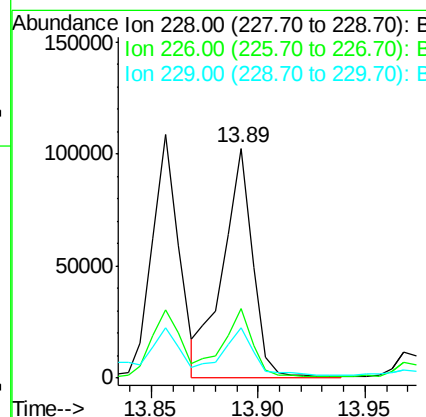
RT: 13.89 min Scan# 2007

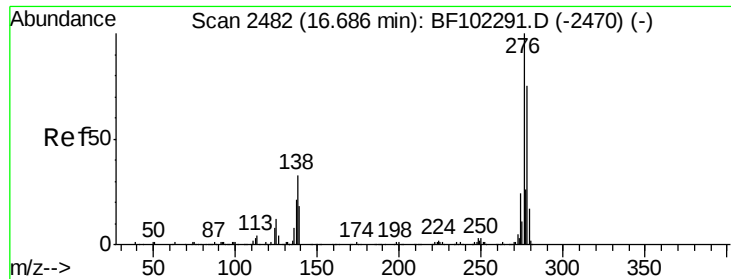
Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Tgt Ion:	228	Resp:	99637
Ion Ratio		Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.9	16.2	24.4





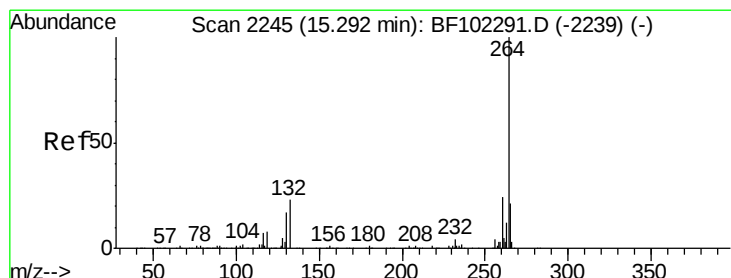
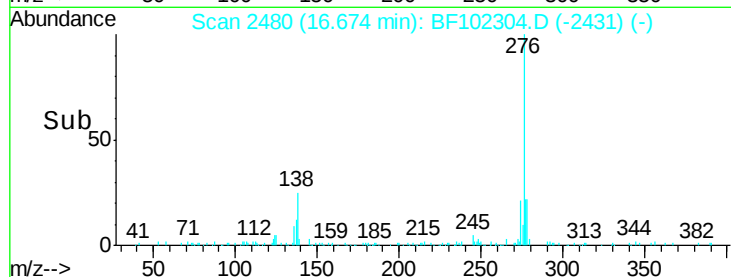
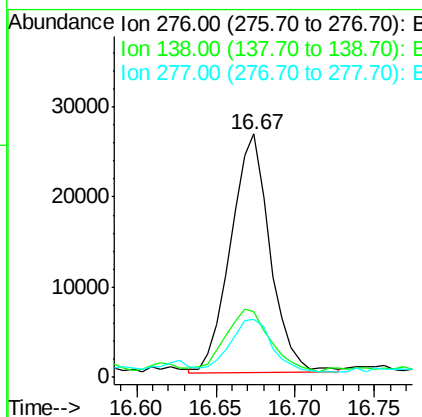
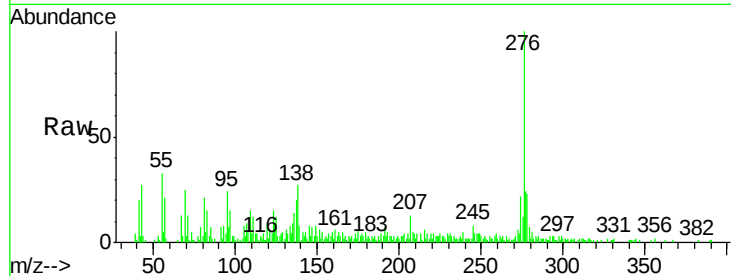
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.002 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	23.2	20.1	30.1

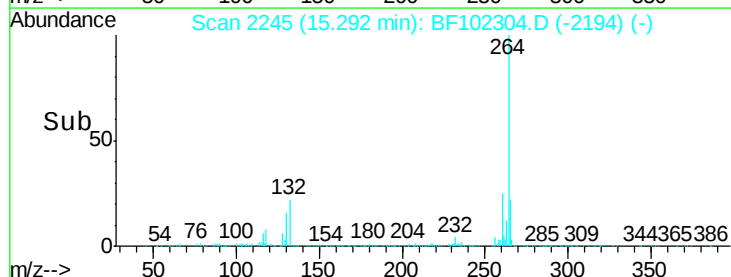
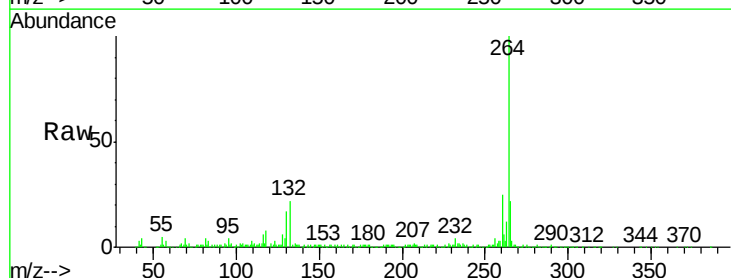
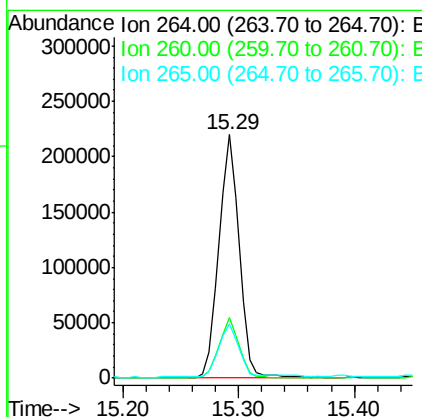
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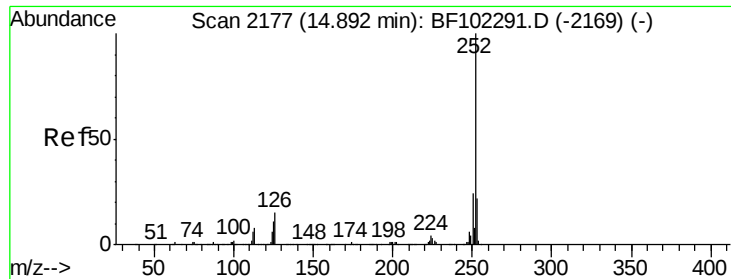
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.591 ng m

RT: 14.89 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Instrument :

BNA_F

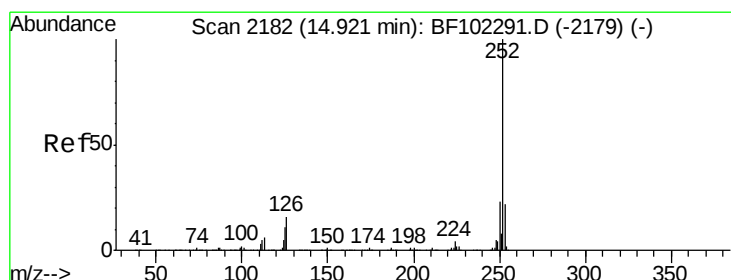
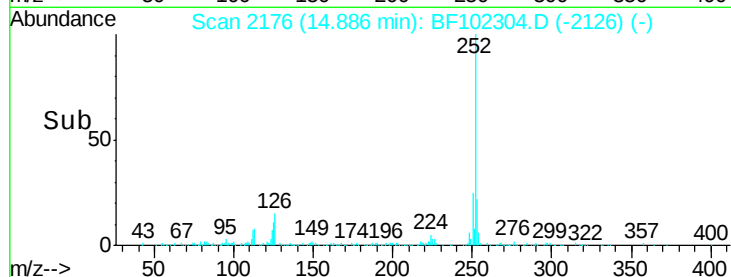
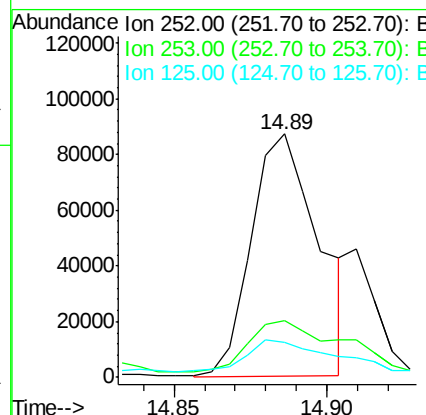
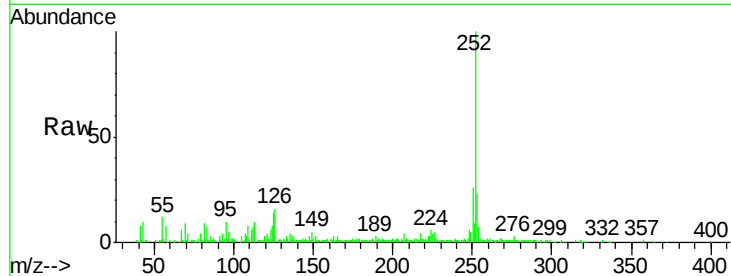
ClientSampleId :

SB-06-0-2.0-DUP

Tot Ion:	252	Resp:	131543
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	14.2	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 2.029 ng m

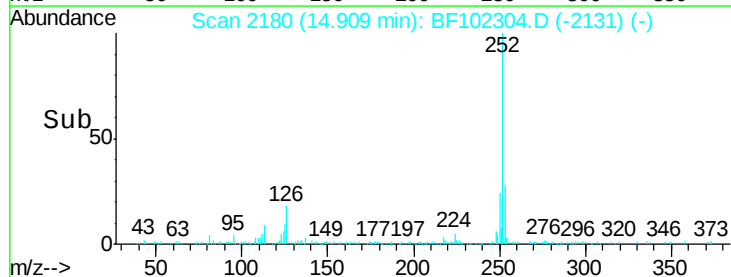
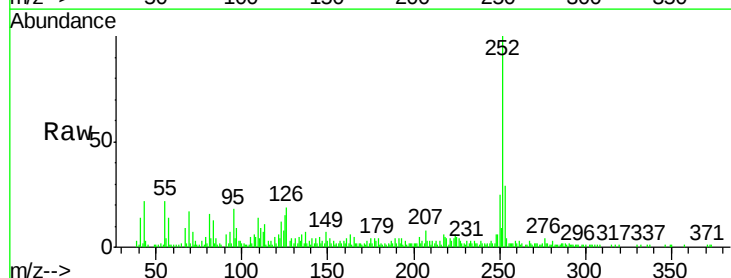
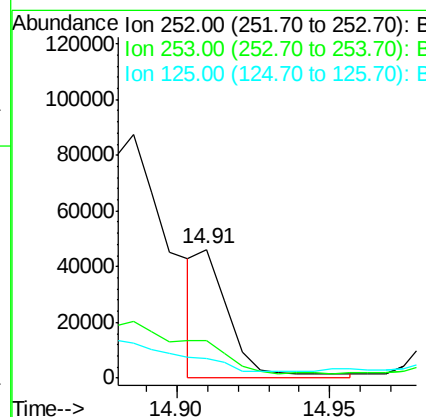
RT: 14.91 min Scan# 2180

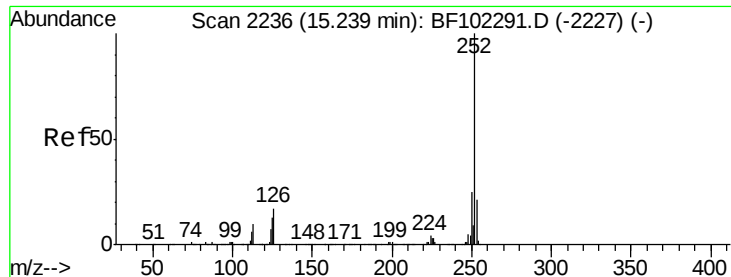
Delta R.T. -0.01 min

Lab File: BF102304.D

Acq: 22 Jan 2018 17:31

Tgt Ion:	252	Resp:	33218
Ion Ratio	Lower	Upper	
252	100		
253	29.0	17.9	26.9#
125	15.4	10.2	15.2#





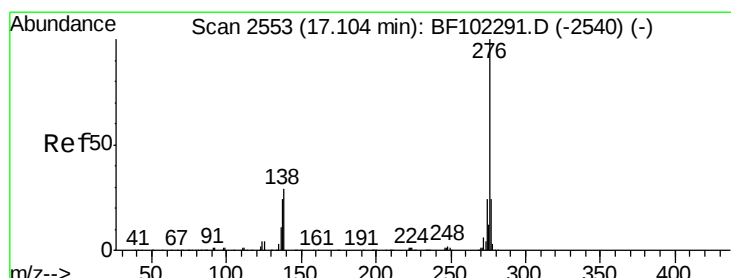
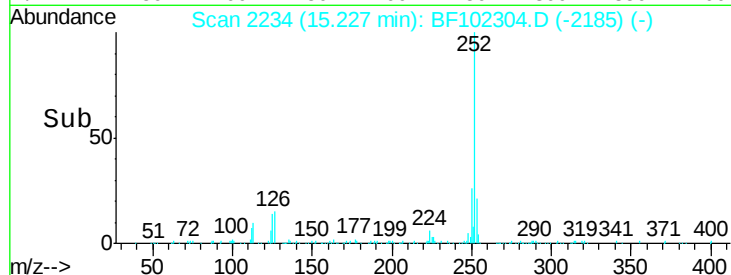
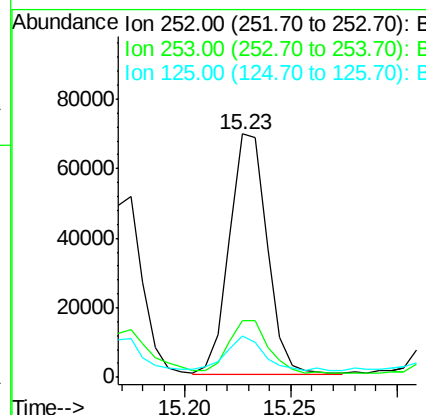
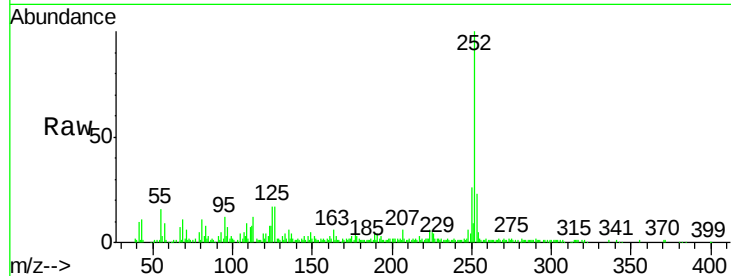
#89
Benzo(a)pyrene
Concen: 5.453 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Instrument :
BNA_F
ClientSampleId :
SB-06-0-2.0-DUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	17.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.460 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.01 min
Lab File: BF102304.D
Acq: 22 Jan 2018 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	32.2	21.8	32.8

