

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
 Data File : BF102223.D
 Acq On : 19 Jan 2018 16:00
 Operator : SJ/JU
 Sample : J1200-06 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_BOT 8

Manual Integrations
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 1/22/2018 5:24:19 PM

Quant Time: Jan 19 16:59:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 19 13:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	134050	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	532378	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	228217	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	358868	20.00	ng	0.00
75) Chrysene-d12	13.87	240	246770	20.00	ng	0.00
86) Perylene-d12	15.29	264	228373	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	45211	4.76	ng	-0.01
7) Phenol-d6	6.35	99	54217	4.79	ng	-0.02
23) Nitrobenzene-d5	7.28	82	30316	3.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	9569	4.80	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	50766	3.48	ng	-0.01
78) Terphenyl-d14	12.82	244	39104	3.29	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.02	128	209827	7.888	ng	99
48) Acenaphthylene	9.62	152	111769	4.502	ng	98
54) Dibenzofuran	9.96	168	66313	3.207	ng	99
57) Fluorene	10.30	166	114194	7.988	ng	99
70) Phenanthrene	11.26	178	529543	25.261	ng	100
71) Anthracene	11.32	178	142226	6.690	ng	98
74) Fluoranthene	12.45	202	563104	27.303	ng	99
77) Pyrene	12.68	202	429411	19.686	ng	99
80) Benzo(a)anthracene	13.86	228	237066m	15.057	ng	
82) Chrysene	13.90	228	156365	9.524	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	75354	6.306	ng	95
87) Benzo(b)fluoranthene	14.89	252	214793m	14.425	ng	
88) Benzo(k)fluoranthene	14.91	252	86024m	5.989	ng	
89) Benzo(a)pyrene	15.23	252	156736	11.697	ng	# 95
90) Dibenzo(a,h)anthracene	16.68	278	21890	2.047	ng	# 89
91) Benzo(g,h,i)perylene	17.09	276	61820	5.739	ng	96

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

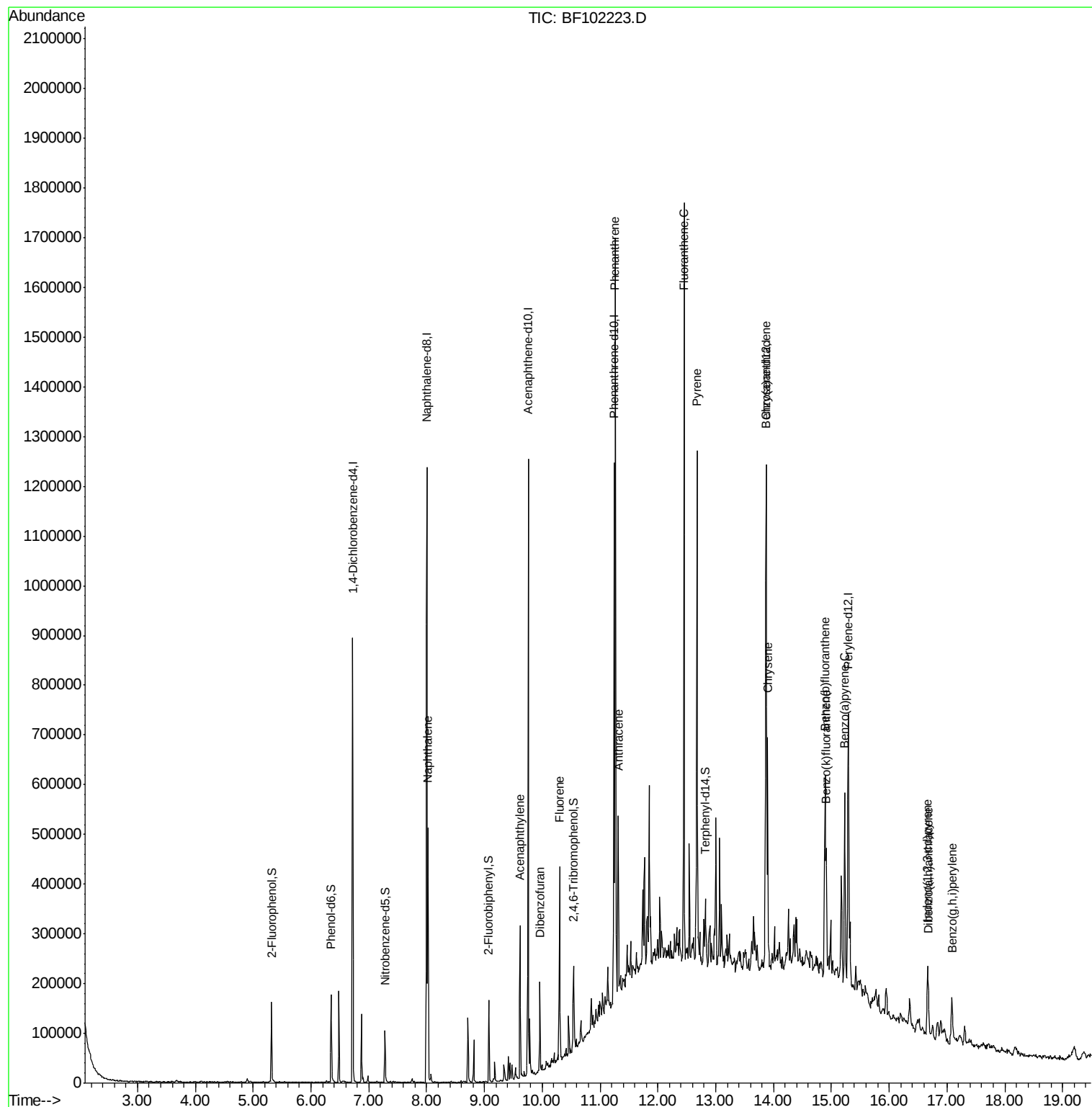
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011918\
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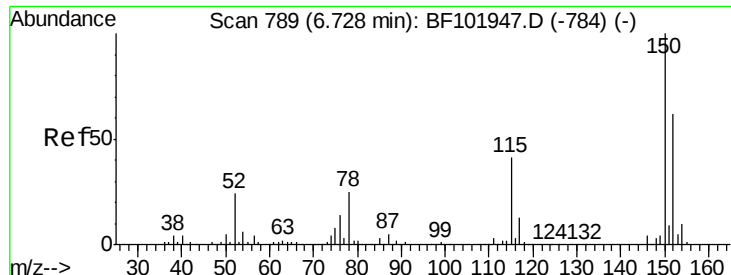
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#1

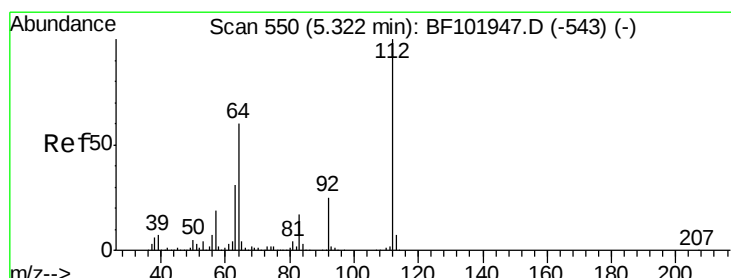
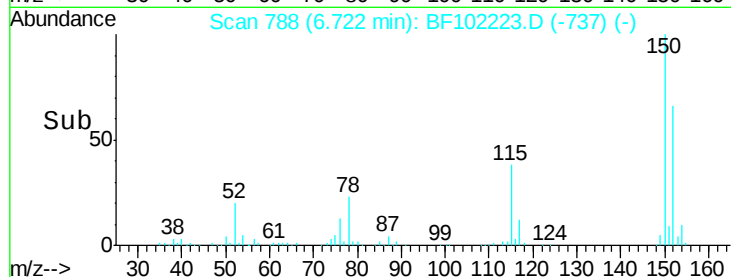
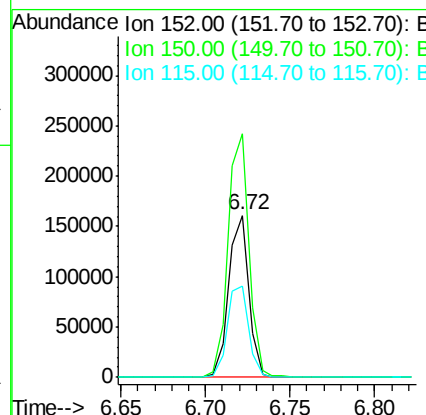
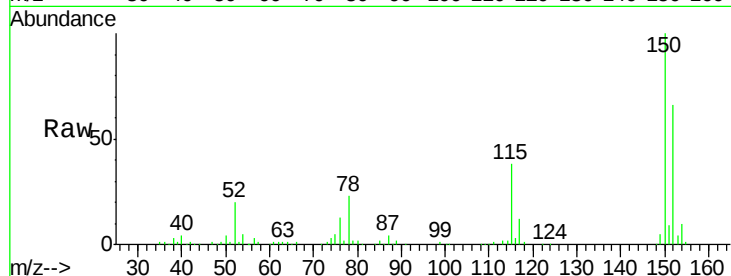
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.6	186.8
115	56.7	50.1	75.1

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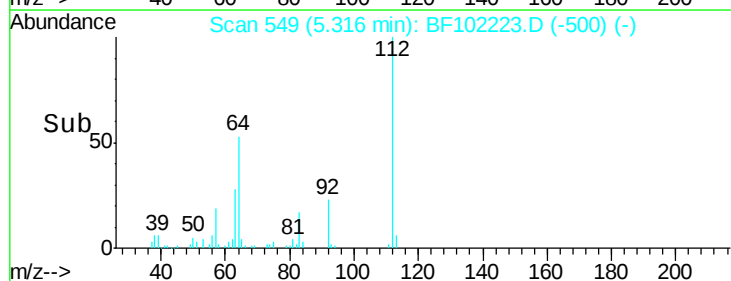
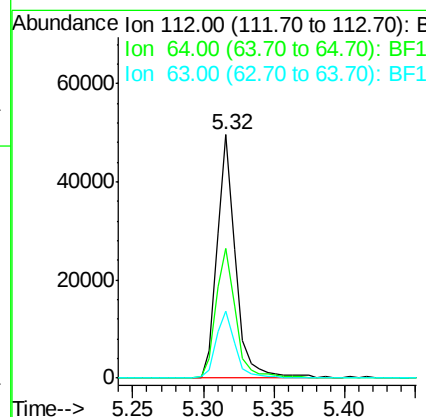
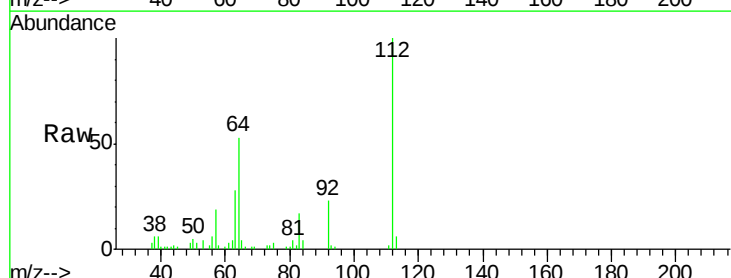
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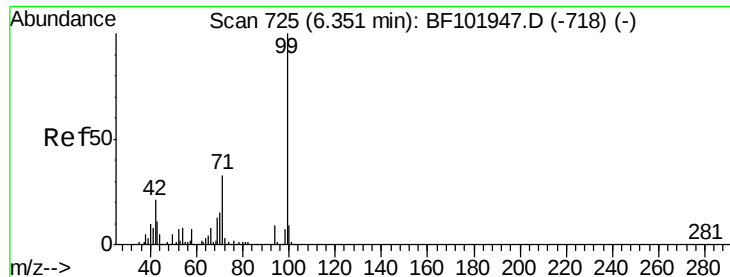


#5

2-Fluorophenol
Concen: 4.763 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 4.787 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF102223.D

Acq: 19 Jan 2018 16:00

Instrument :

BNA_F

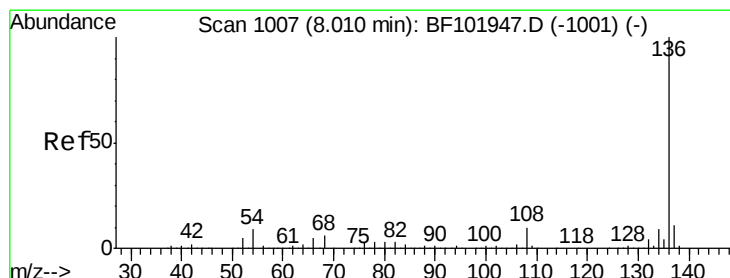
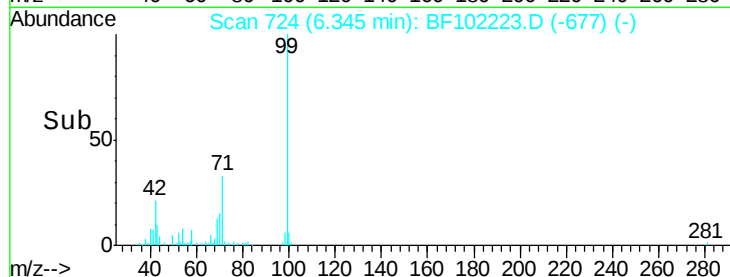
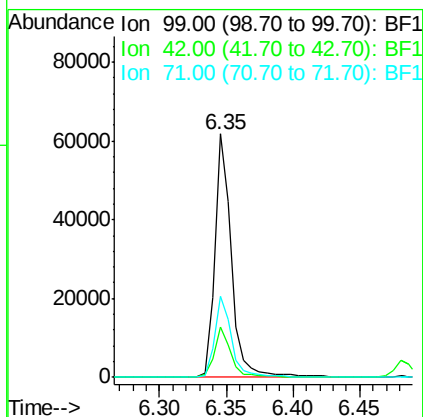
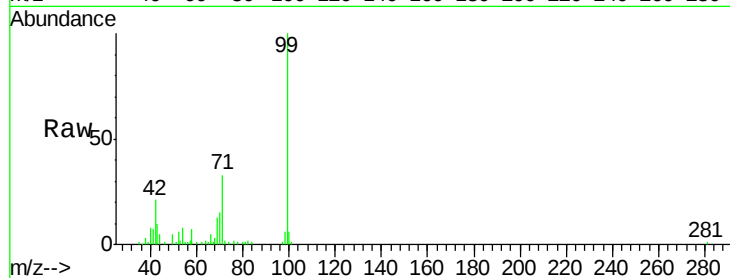
ClientSampleId :

A2_SB103_BOT 8

Tot Ion:	99	Resp:	54217
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

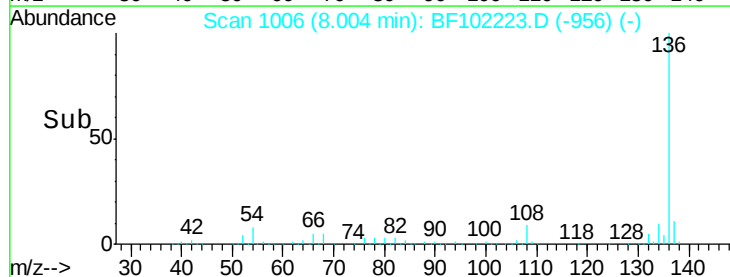
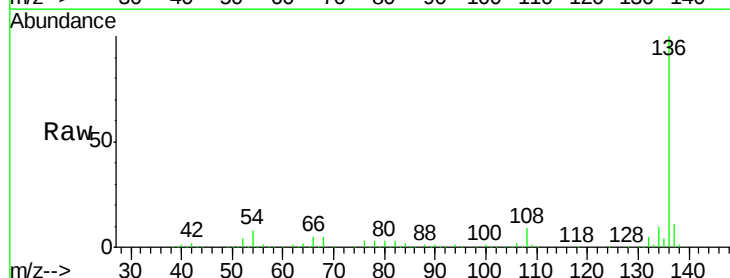
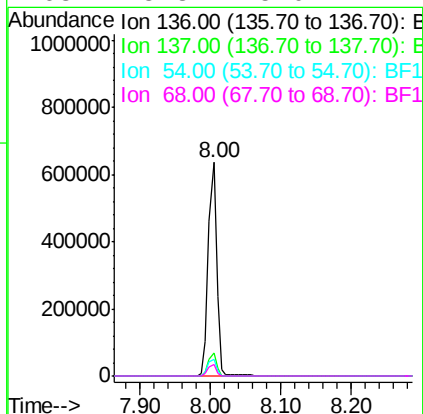
RT: 8.00 min Scan# 1006

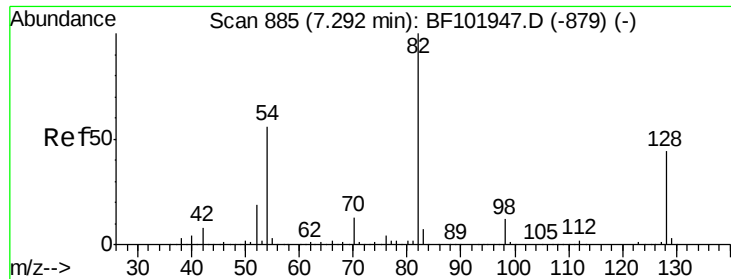
Delta R.T. -0.01 min

Lab File: BF102223.D

Acq: 19 Jan 2018 16:00

Tgt Ion:	136	Resp:	532378
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.5	6.6	9.8
68	5.3	5.0	7.4





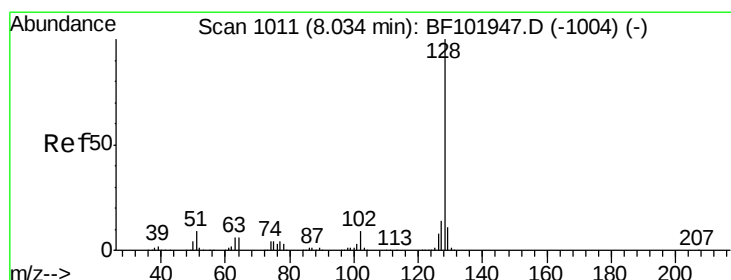
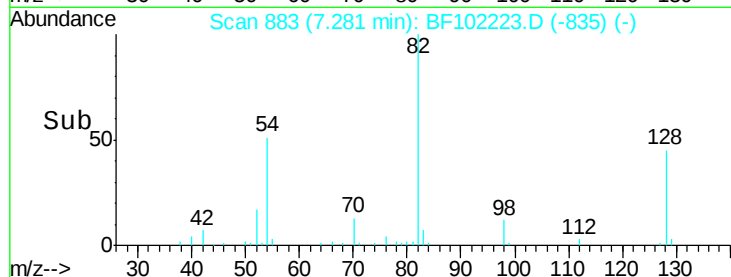
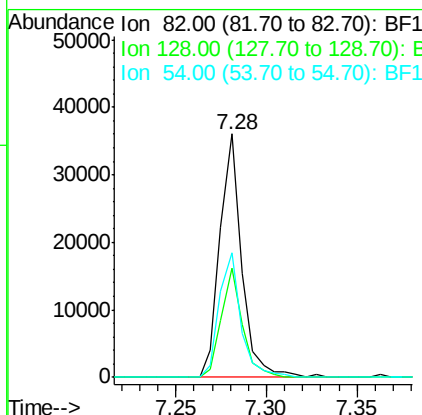
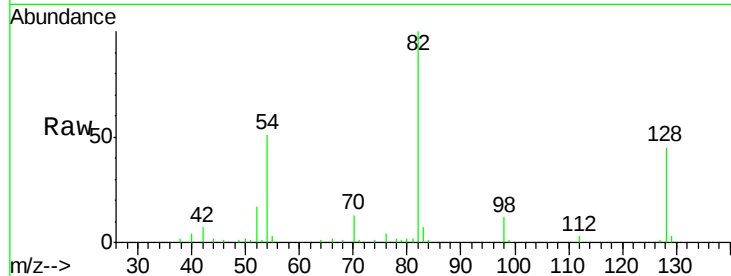
#23
Nitrobenzene-d5
Concen: 3.346 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	51.2	41.4	62.2

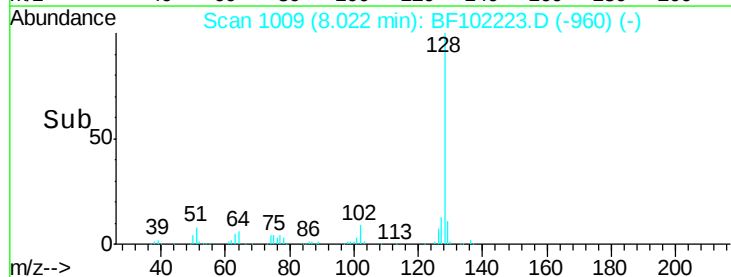
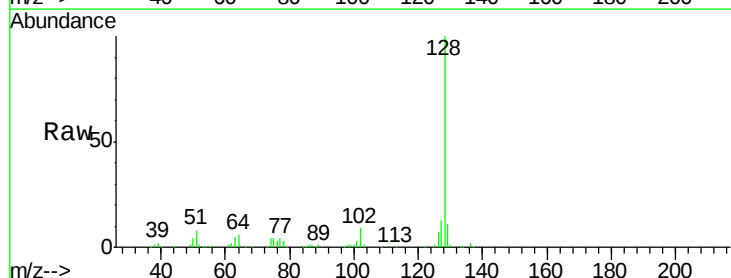
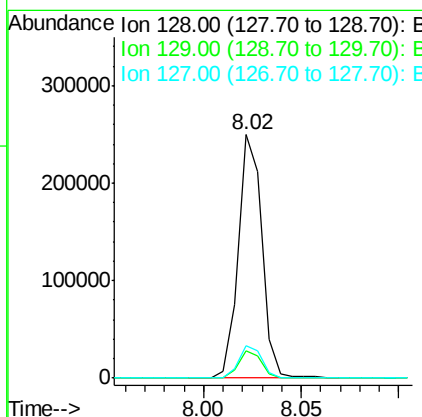
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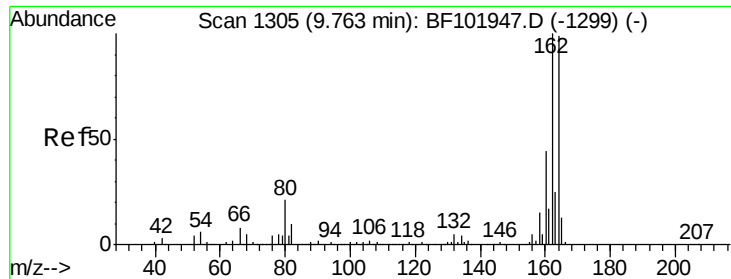
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#31
Naphthalene
Concen: 7.888 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.2	10.9	16.3





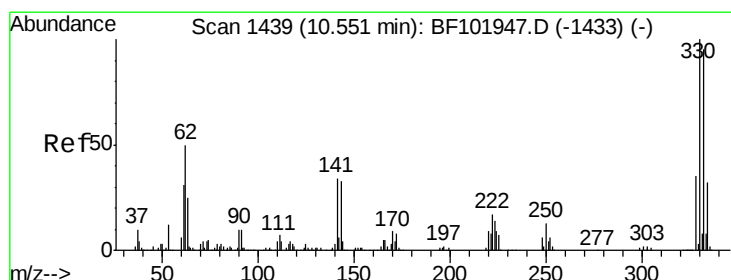
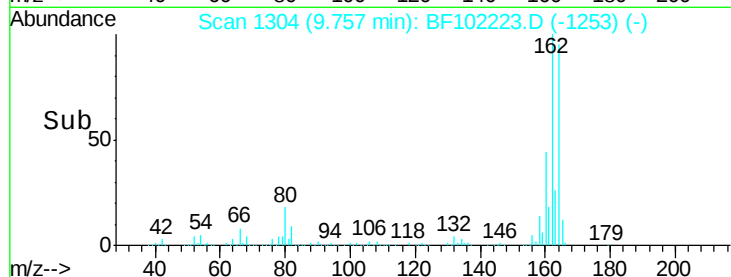
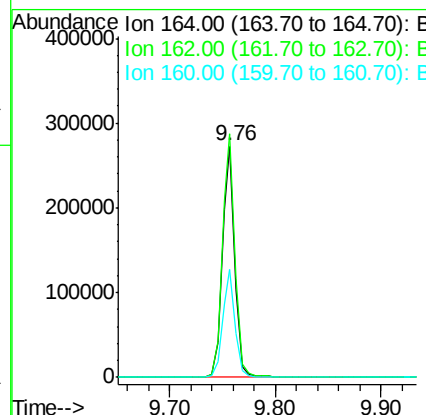
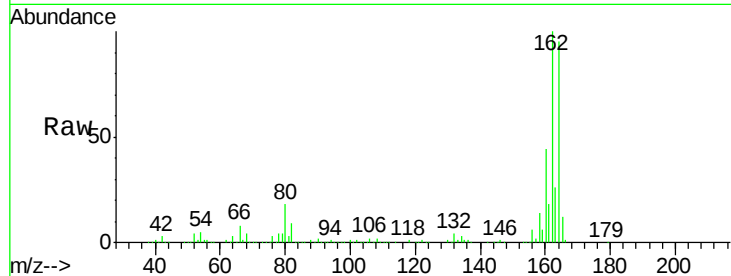
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	86.1	129.1	
160	46.8	38.3	57.5	

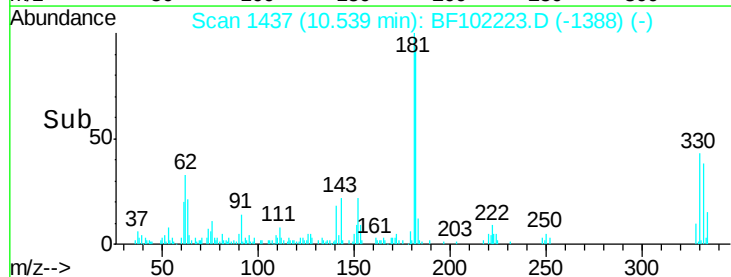
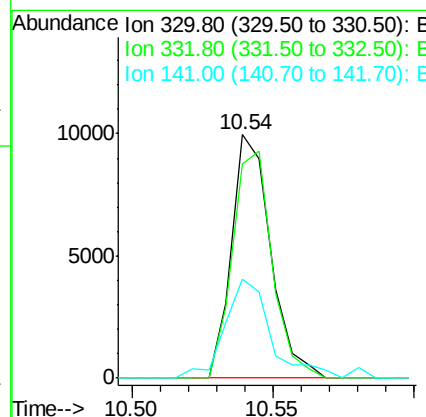
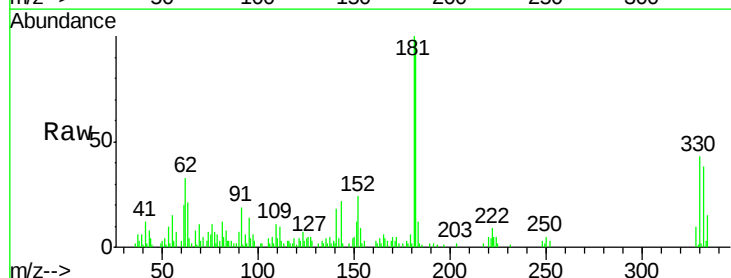
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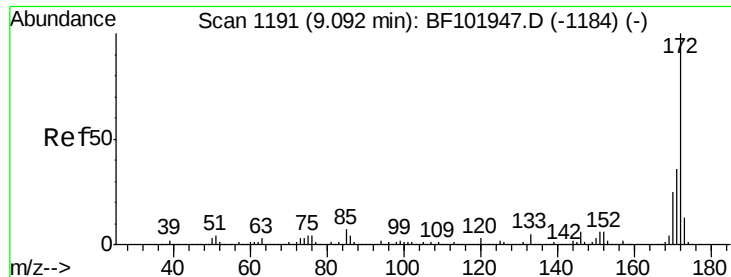
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#41
2,4,6-Tribromophenol
Concen: 4.805 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.9	77.0	115.6	
141	47.6	29.9	44.9	





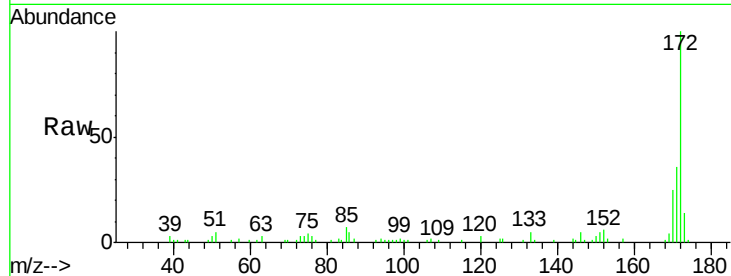
#44
2-Fluorobiphenyl
Concen: 3.475 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

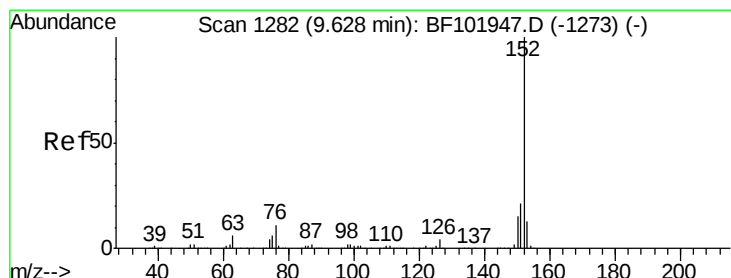
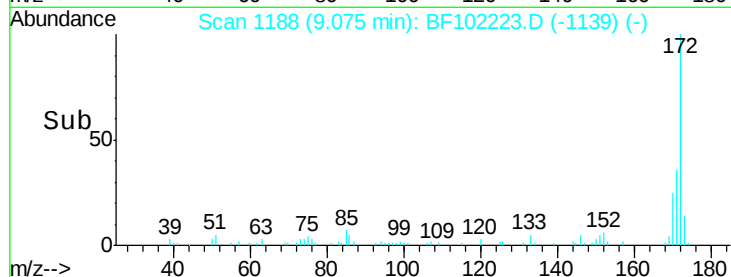
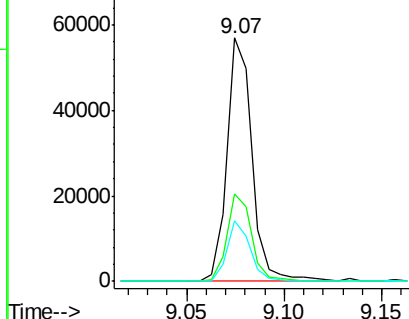
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.7	19.6	29.4

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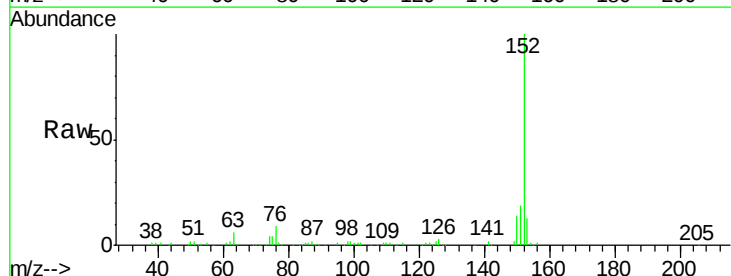


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

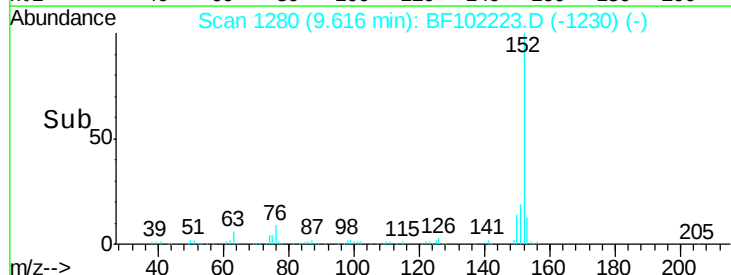
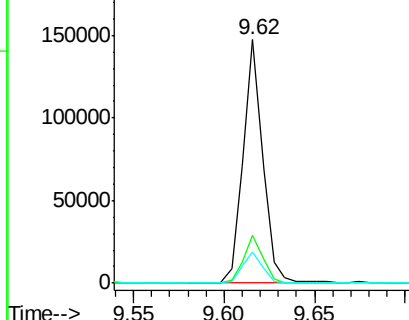


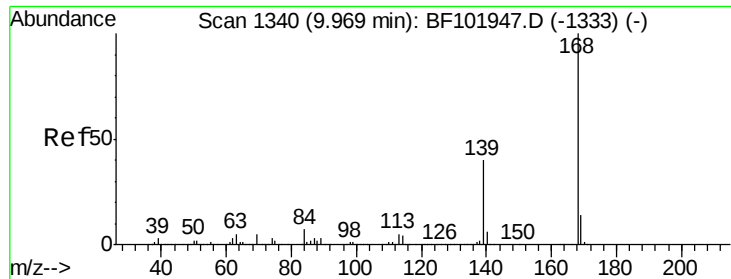
#48
Acenaphthylene
Concen: 4.502 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	12.7	10.7	16.1



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





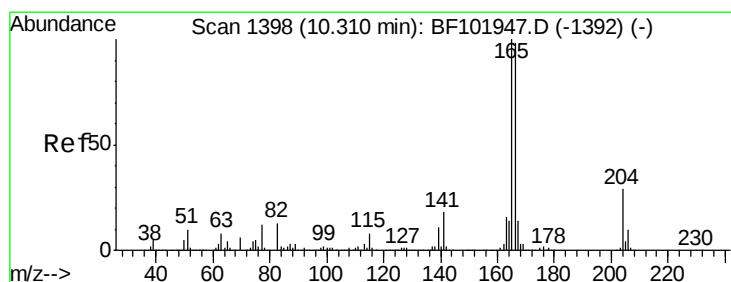
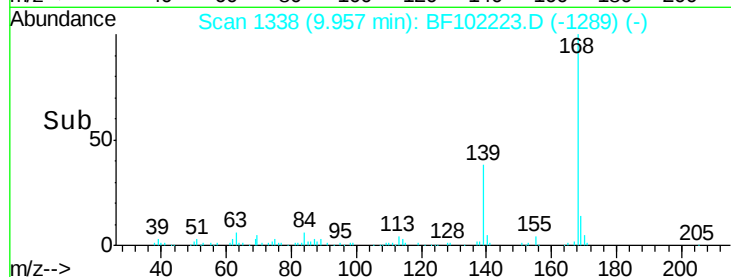
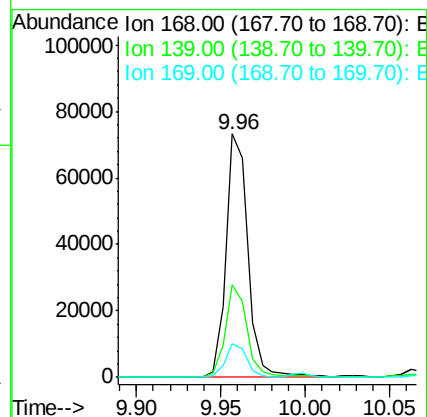
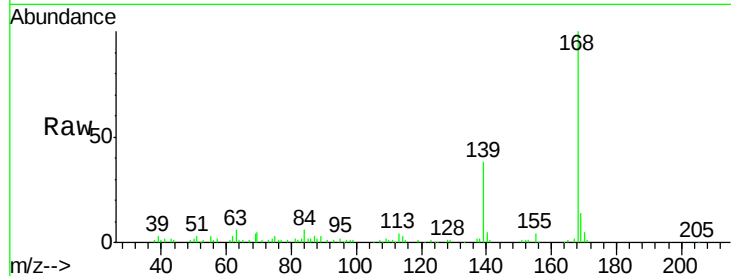
#54
Dibenzofuran
Concen: 3.207 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	30.1	45.1
169	13.8	10.9	16.3

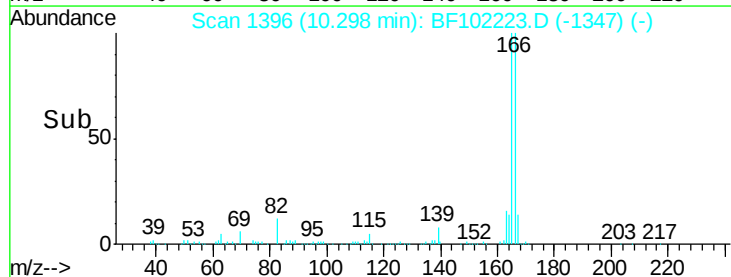
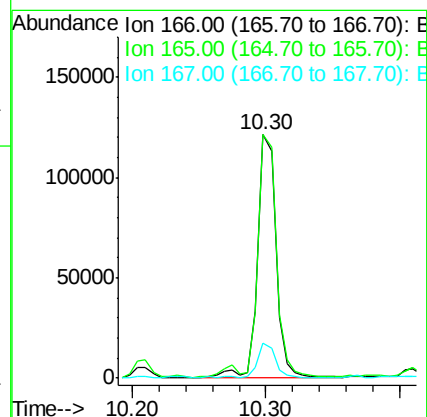
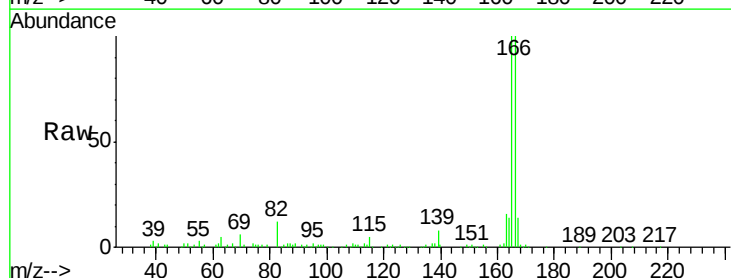
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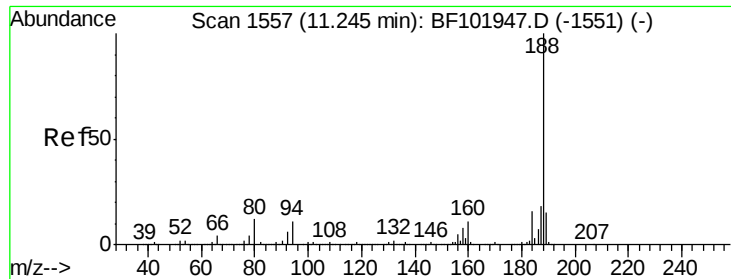
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#57
Fluorene
Concen: 7.988 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	79.8	119.8
167	14.5	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.00 min

Lab File: BF102223.D

Acq: 19 Jan 2018 16:00

Instrument :

BNA_F

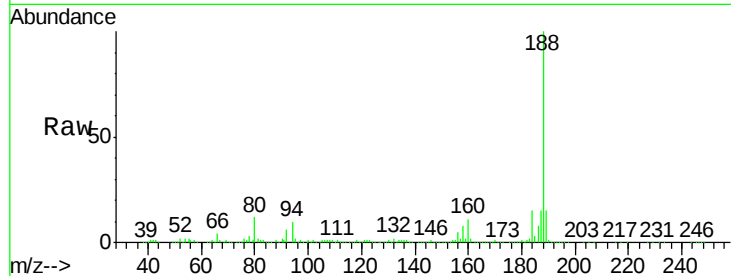
ClientSampleId :

A2_SB103_BOT 8

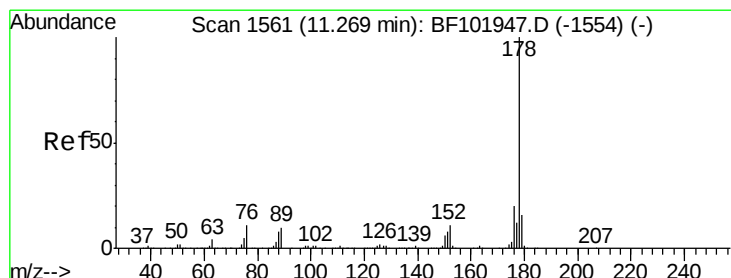
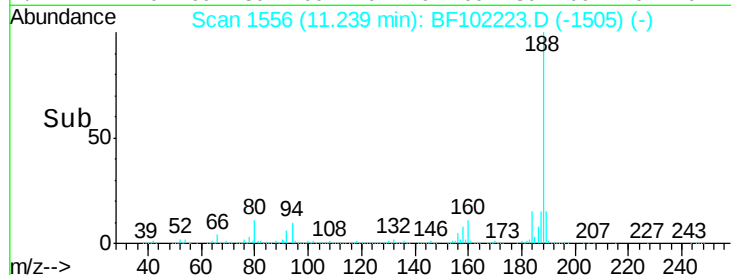
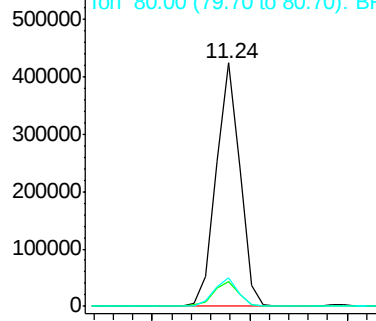
Tot Ion:	188	Resp:	358868
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.5	12.7
80	11.5	9.2	13.8

Manual Integrations
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Abundance Ion 188.00 (187.70 to 188.70): E



#70

Phenanthrene

Concen: 25.261 ng

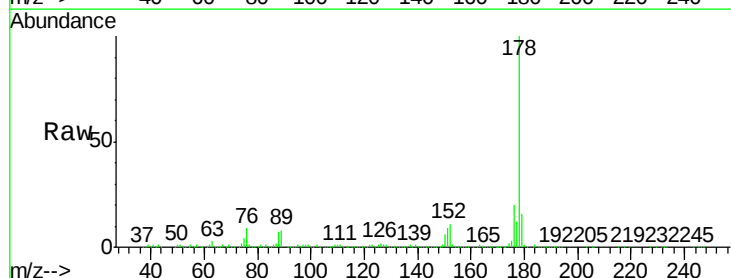
RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

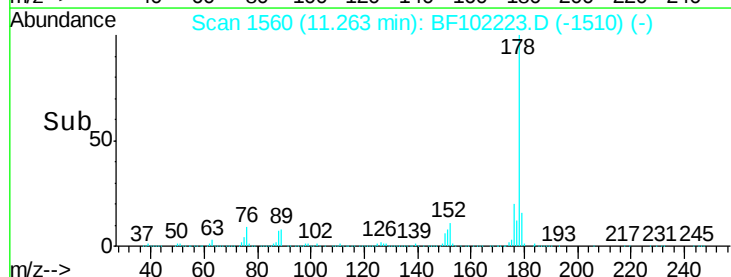
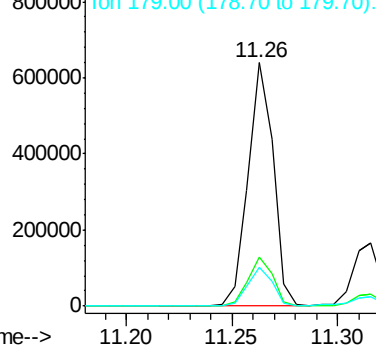
Lab File: BF102223.D

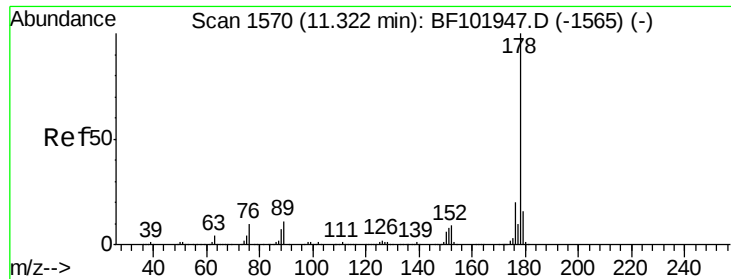
Acq: 19 Jan 2018 16:00

Tgt Ion:	178	Resp:	529543
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	16.1	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E





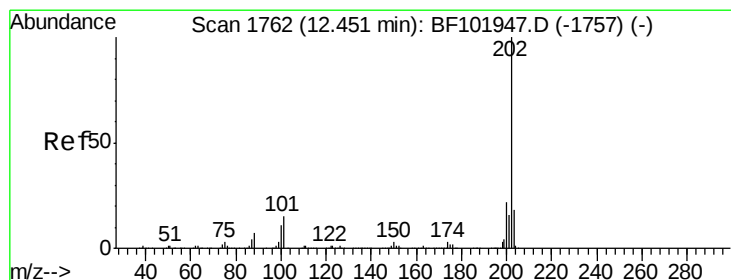
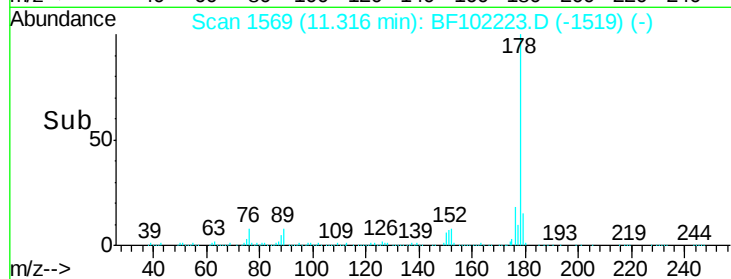
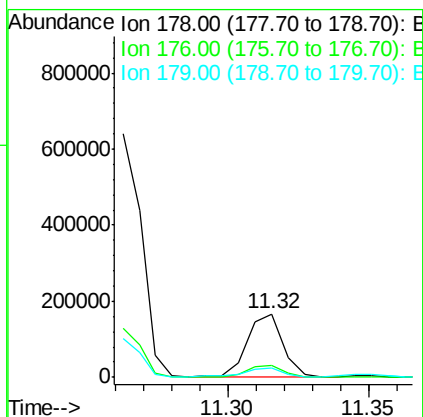
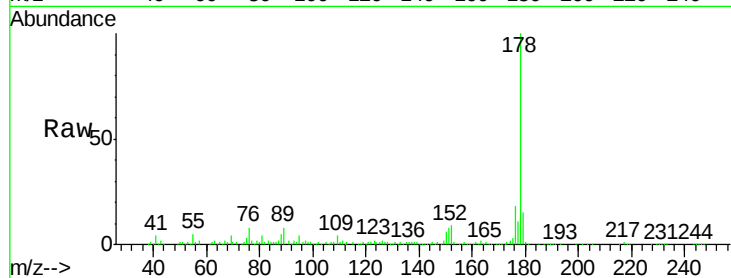
#71
 Anthracene
 Concen: 6.690 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF102223.D
 Acq: 19 Jan 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.4	12.6	19.0

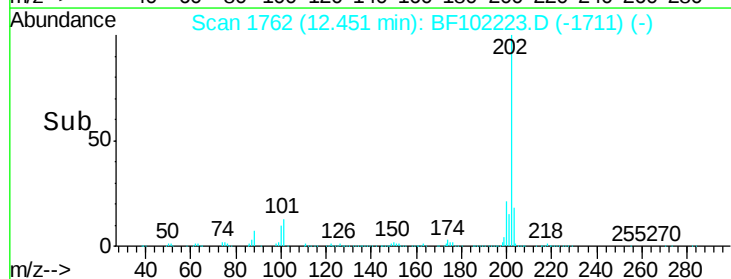
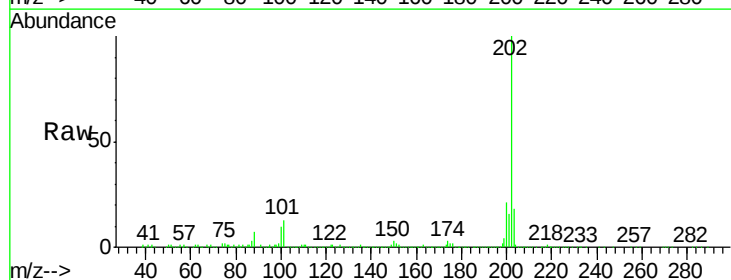
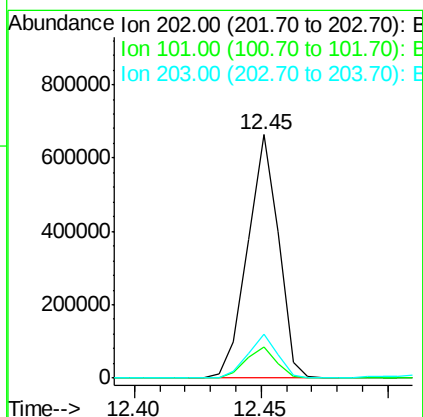
Manual Integrations
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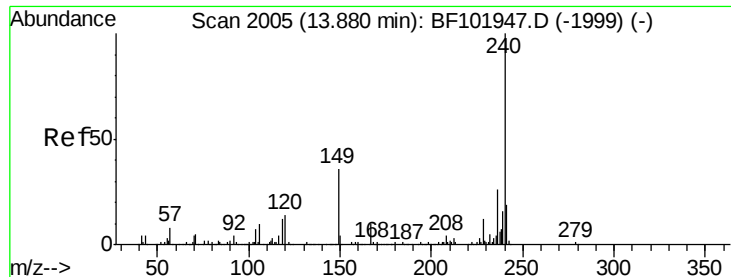
Sohil
 1/22/2018 5:24:19 PM



#74
 Fluoranthene
 Concen: 27.303 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF102223.D
 Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102223.D

Acq: 19 Jan 2018 16:00

Instrument :

BNA_F

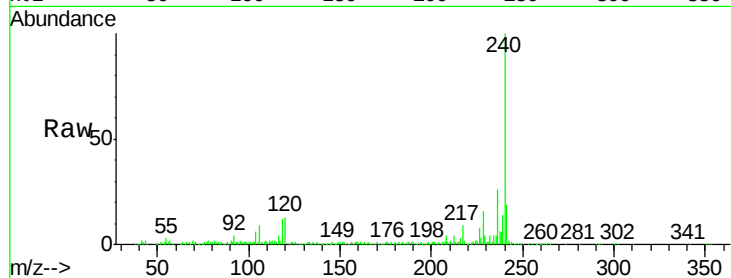
ClientSampleId :

A2_SB103_BOT 8

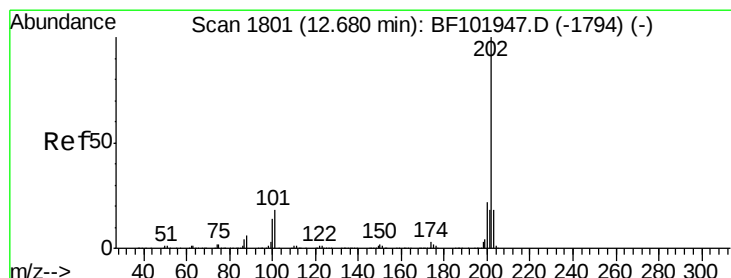
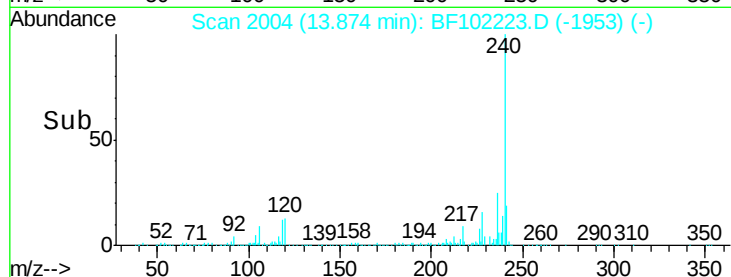
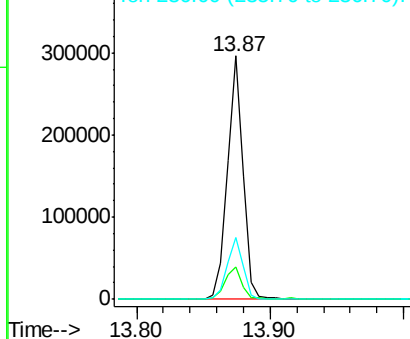
Tot Ion:	240	Resp:	246770
Ion Ratio	Lower	Upper	
240	100		
120	13.2	9.5	14.3
236	25.6	20.7	31.1

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1/22/2018 5:24:19 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 19.686 ng

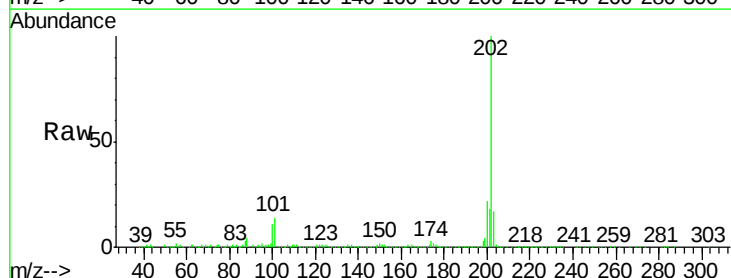
RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

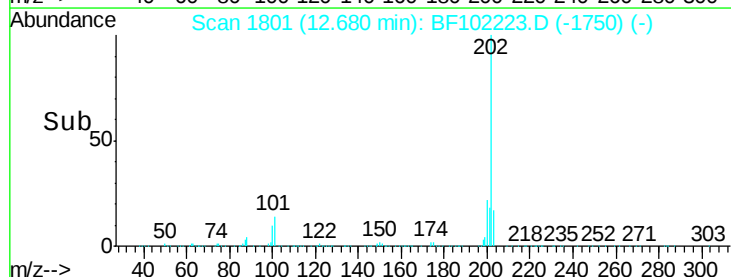
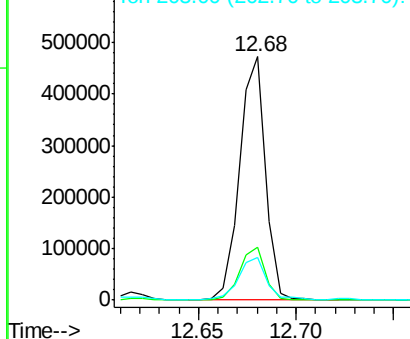
Lab File: BF102223.D

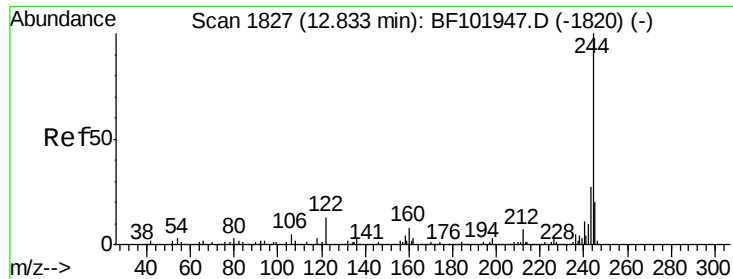
Acq: 19 Jan 2018 16:00

Tgt Ion:	202	Resp:	429411
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	17.4	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





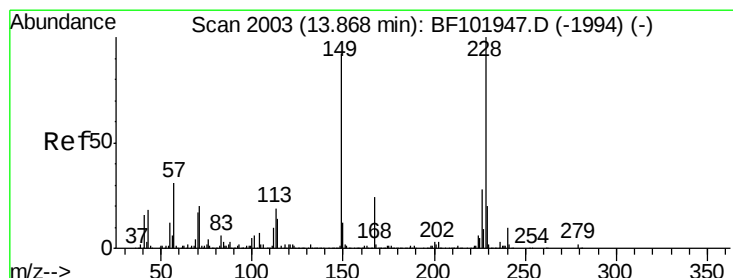
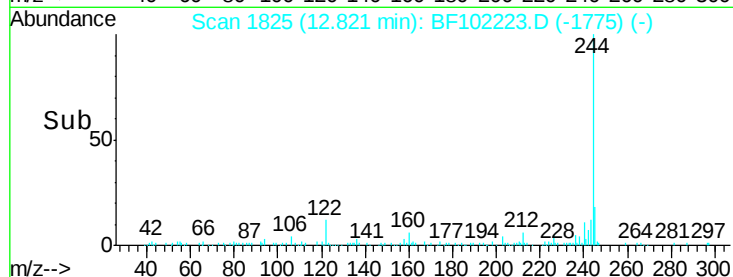
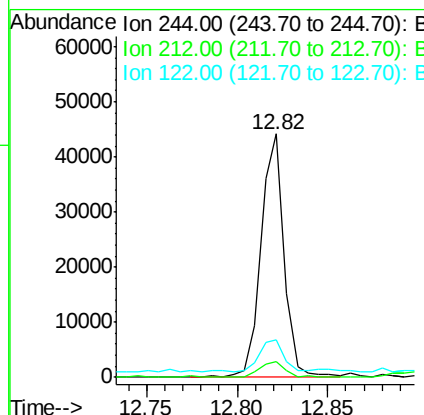
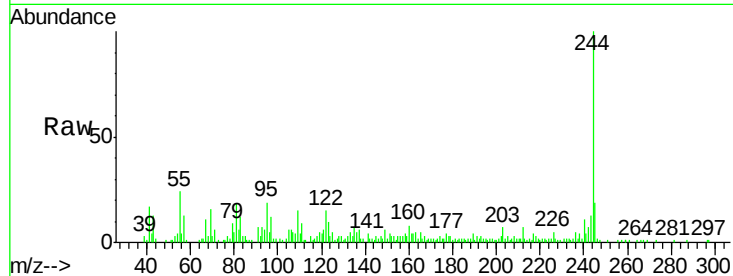
#78
 Terphenyl-d14
 Concen: 3.290 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102223.D
 Acq: 19 Jan 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	15.4	11.0	16.4

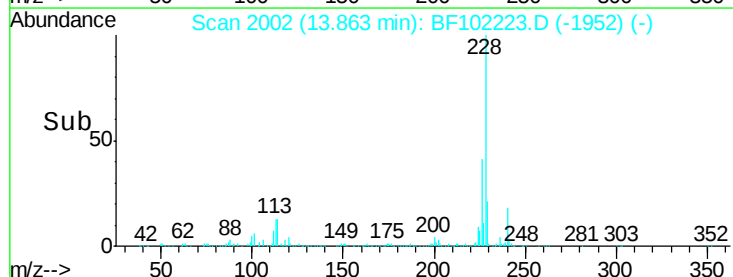
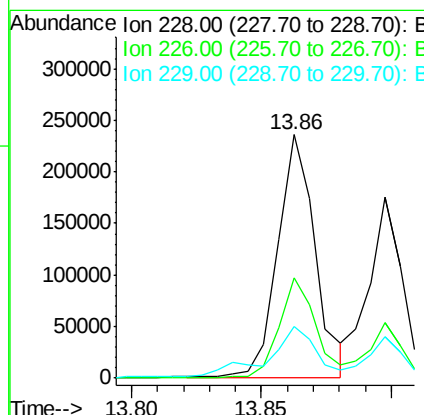
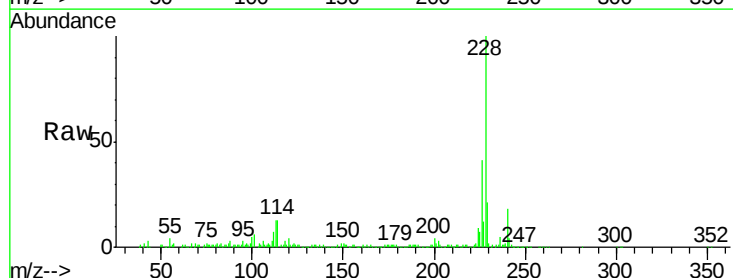
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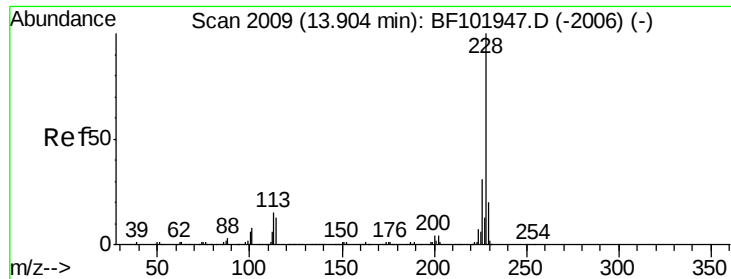
Sohil
 1/22/2018 5:24:19 PM



#80
 Benzo(a)anthracene
 Concen: 15.057 ng m
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF102223.D
 Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.2	22.6	33.8#
229	21.1	15.8	23.6





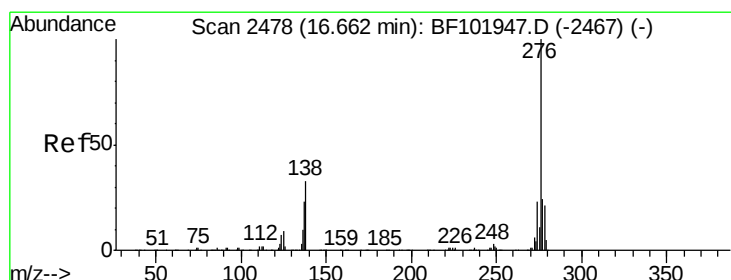
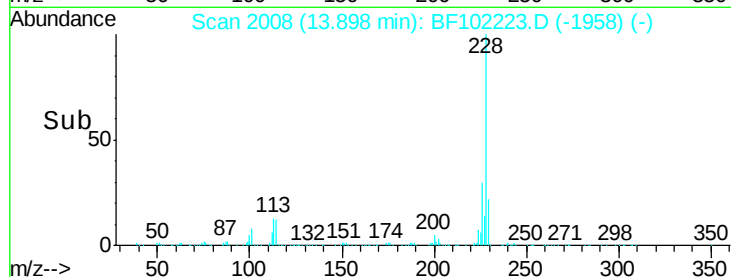
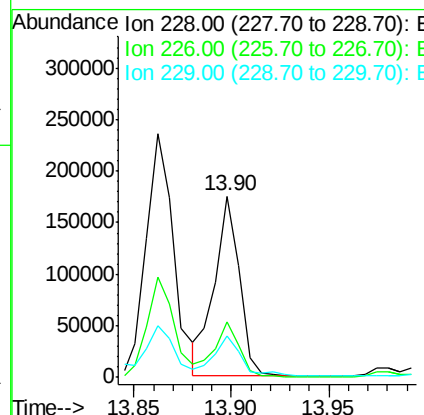
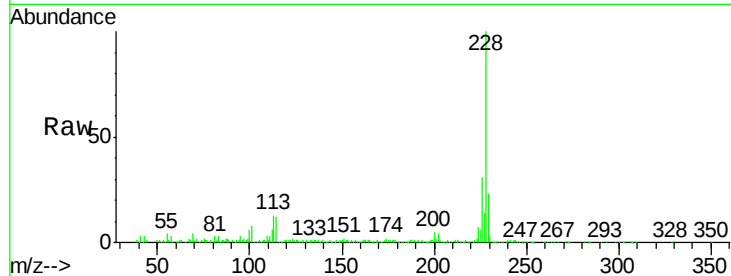
#82
Chrysene
Concen: 9.524 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion:	228	Resp:	156365
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	23.1	16.2	24.4

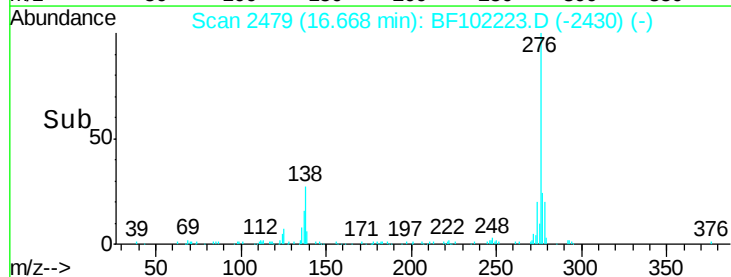
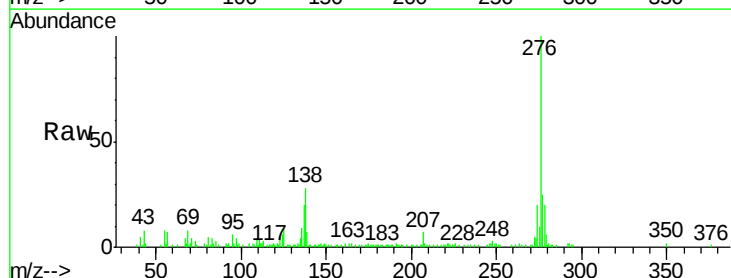
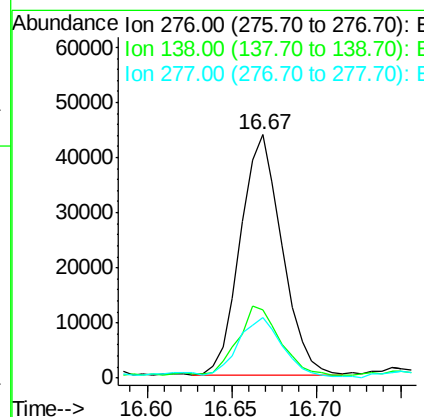
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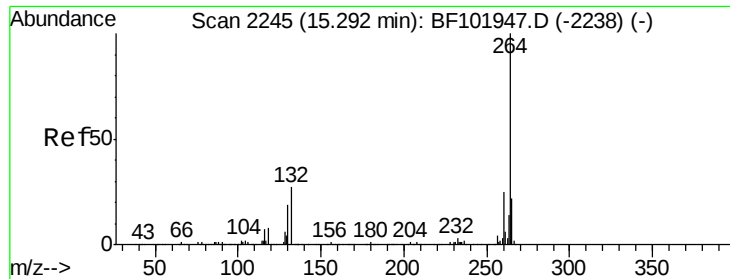
Sohil
1/22/2018 5:24:19 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.306 ng
RT: 16.67 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion:	276	Resp:	75354
Ion Ratio	Lower	Upper	
276	100		
138	28.8	25.0	37.6
277	27.5	20.1	30.1





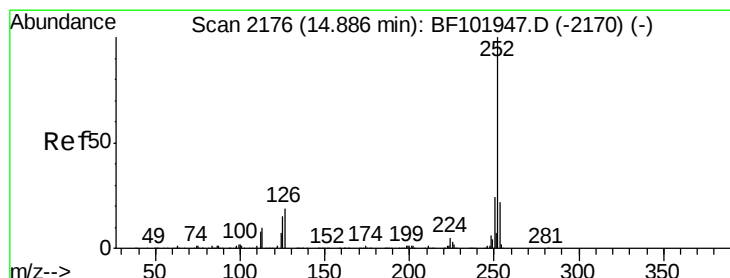
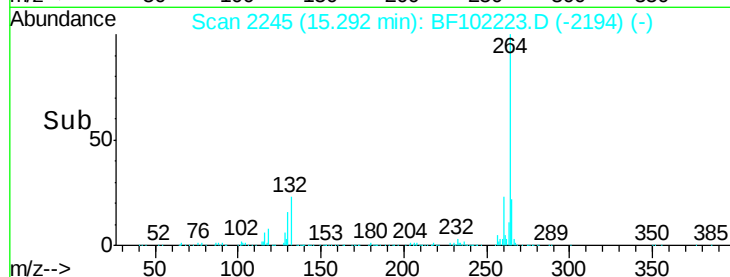
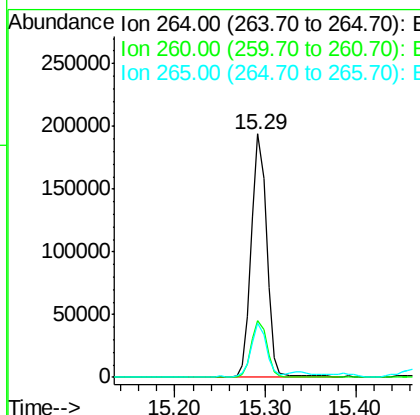
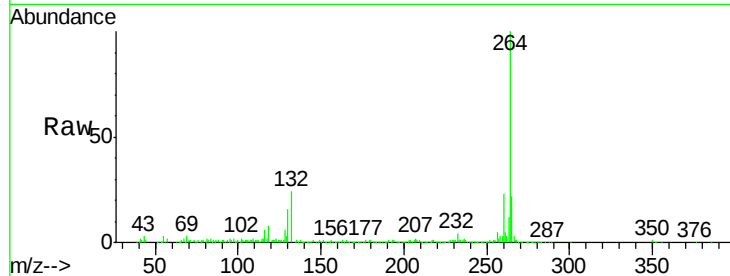
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.00 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	17.5	26.3

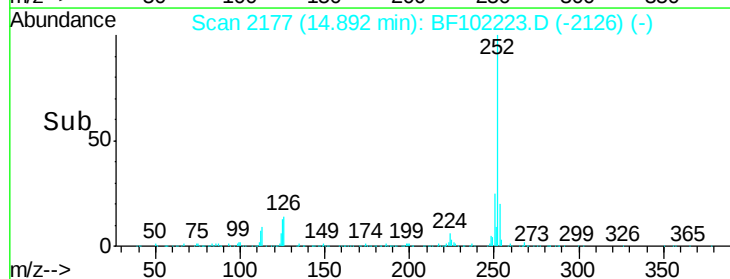
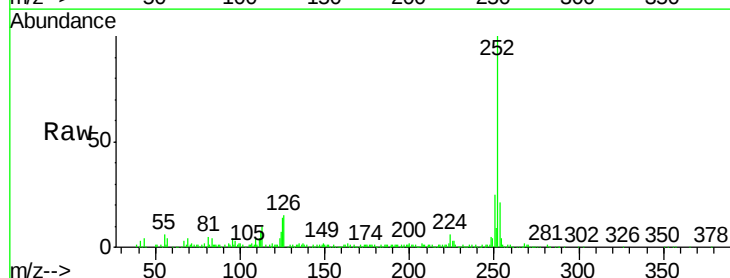
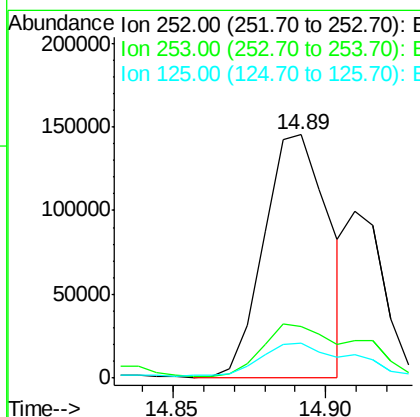
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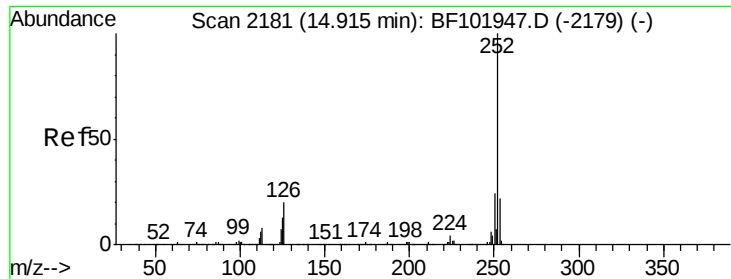
Sohil
1/22/2018 5:24:19 PM



#87
Benzo(b)fluoranthene
Concen: 14.425 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.0	25.6
125	14.4	9.0	13.6#





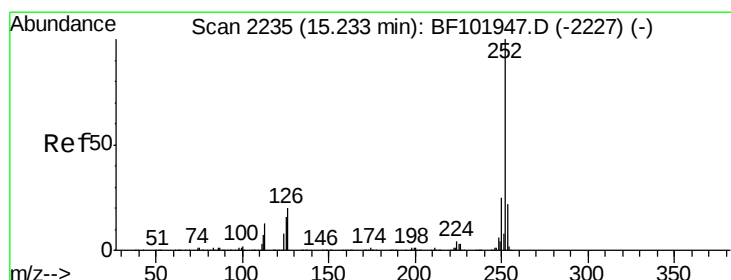
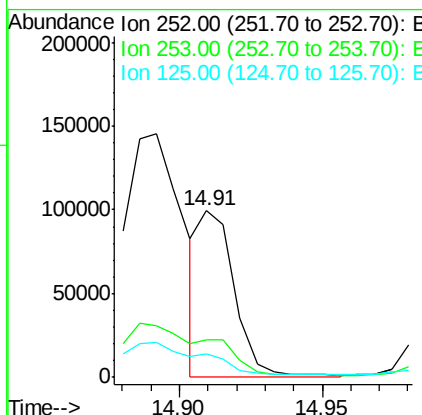
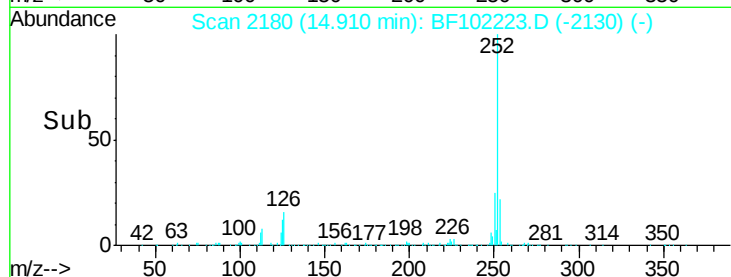
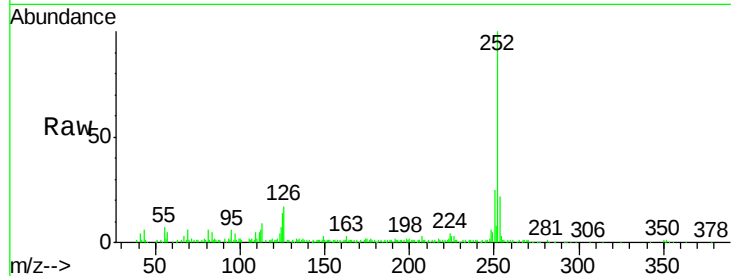
#88
Benzo(k)fluoranthene
Concen: 5.989 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	13.8	10.2	15.2

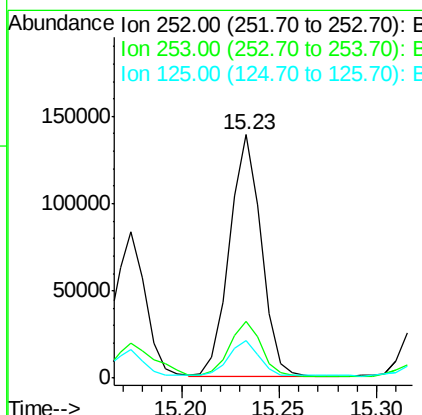
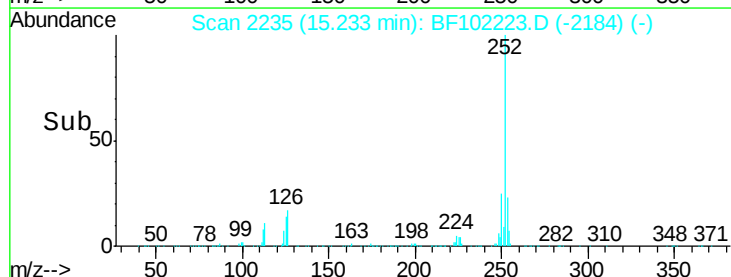
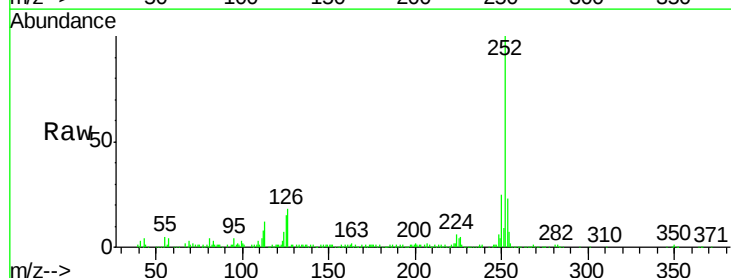
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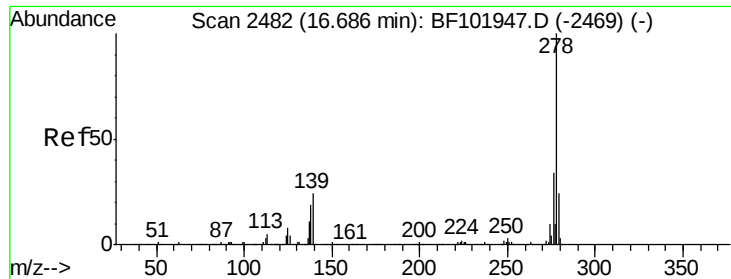
Sohil
1/22/2018 5:24:19 PM



#89
Benzo(a)pyrene
Concen: 11.697 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.00 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	15.3	9.8	14.6





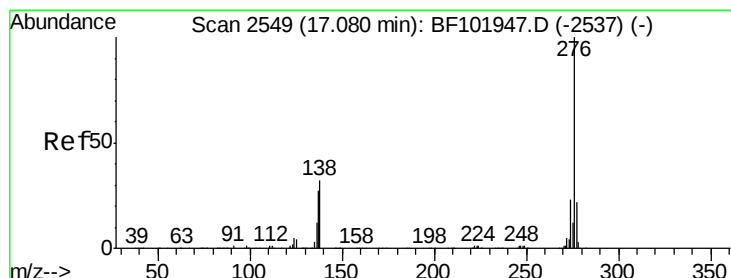
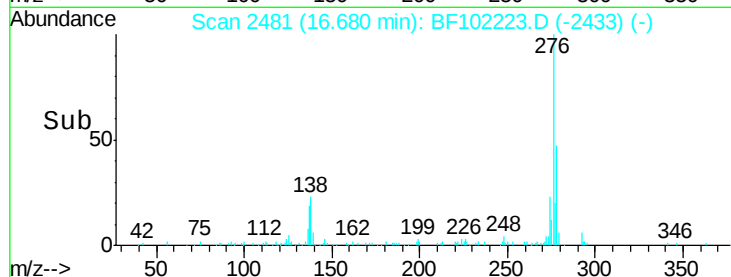
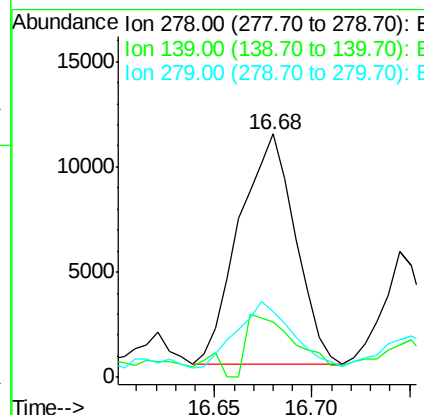
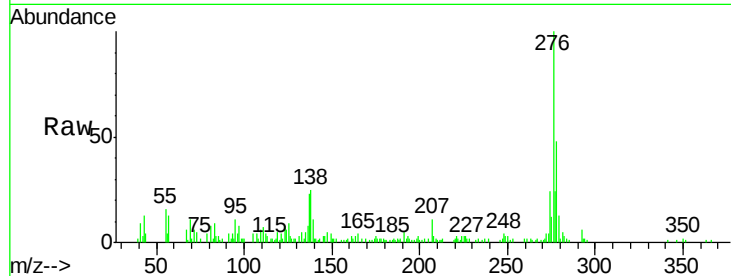
#90
Dibenzo(a,h)anthracene
Concen: 2.047 ng
RT: 16.68 min Scan# 2481
Delta R.T. -0.02 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Instrument :
BNA_F
ClientSampleId :
A2_SB103_BOT 8

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.0	15.9	23.9#
279	27.1	19.0	28.4

Manual Integrations
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Sohil
1/22/2018 5:24:19 PM



#91
Benzo(g,h,i)perylene
Concen: 5.739 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BF102223.D
Acq: 19 Jan 2018 16:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	25.8	21.8	32.8

