

Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
 Data File : BF102066.D
 Acq On : 15 Jan 2018 16:47
 Operator : SJ/JU
 Sample : J1134-03 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB97-E

Manual Integrations
 APPROVED

Sohil
 1/16/2018 5:01:15 PM

Quant Time: Jan 15 17:41:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	193795	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	797427	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	345935	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	525841	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	299685	20.00	ng	-0.01
86) Perylene-d12	15.29	264	357328	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	12788	0.93	ng	-0.01
7) Phenol-d6	6.34	99	17154	1.05	ng	-0.02
23) Nitrobenzene-d5	7.27	82	9959	0.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	2472	0.82	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	21734	0.98	ng	-0.02
78) Terphenyl-d14	12.82	244	14100	0.98	ng	-0.02
Target Compounds						
31) Naphthalene	8.02	128	197493	4.956	ng	98
37) 2-Methylnaphthalene	8.71	142	57706	2.200	ng	99
48) Acenaphthylene	9.62	152	253262	6.730	ng	99
57) Fluorene	10.30	166	92544	4.271	ng	99
70) Phenanthrene	11.26	178	618935	20.150	ng	99
71) Anthracene	11.31	178	225772	7.247	ng	99
74) Fluoranthene	12.45	202	878370	29.065	ng	100
77) Pyrene	12.67	202	839659	31.697	ng	99
80) Benzo(a)anthracene	13.86	228	443220m	23.180	ng	
82) Chrysene	13.89	228	363337	18.224	ng	96
85) Indeno(1,2,3-cd)pyrene	16.65	276	335243	23.102	ng	98
87) Benzo(b)fluoranthene	14.88	252	621696m	26.683	ng	
88) Benzo(k)fluoranthene	14.90	252	193526m	8.610	ng	
89) Benzo(a)pyrene	15.23	252	484692	23.118	ng	97
90) Dibenzo(a,h)anthracene	16.66	278	90303	5.397	ng	# 91
91) Benzo(g,h,i)perylene	17.07	276	329709	19.563	ng	96

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

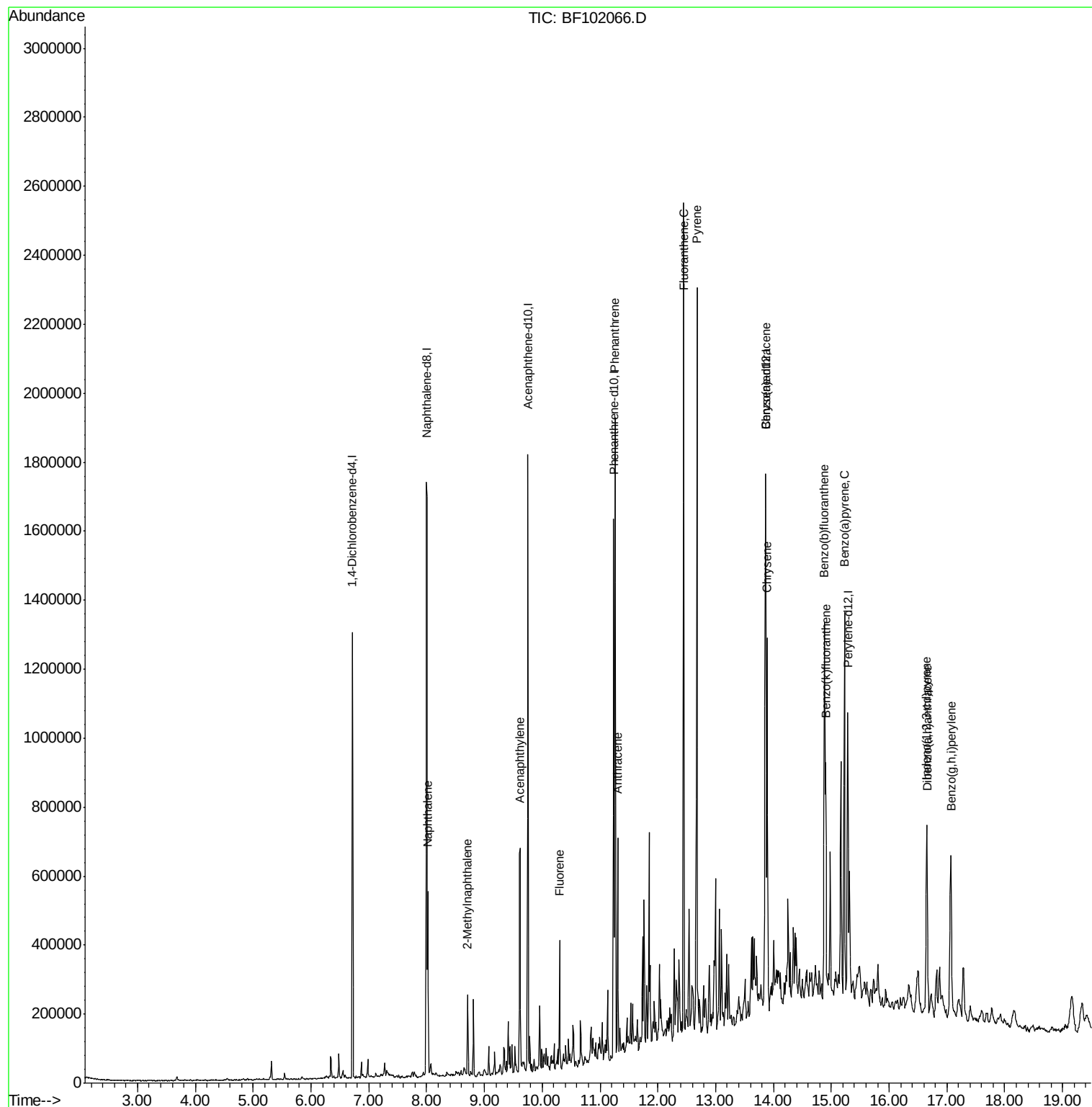
Data Path : U:\HPCHEM1\BNA F\DATA\BF011518\
Data File : BF102066.D
Acq On : 15 Jan 2018 16:47
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Misc :
ALS Vial : 5 Sample Multiplier: 1

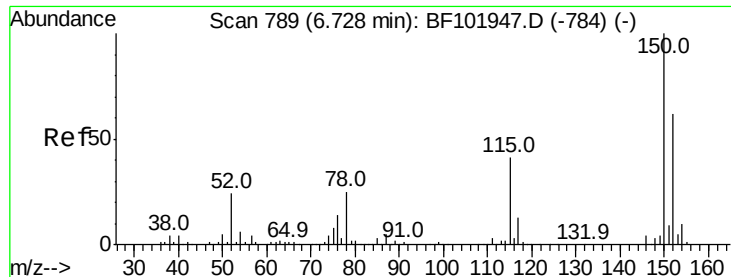
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
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#1

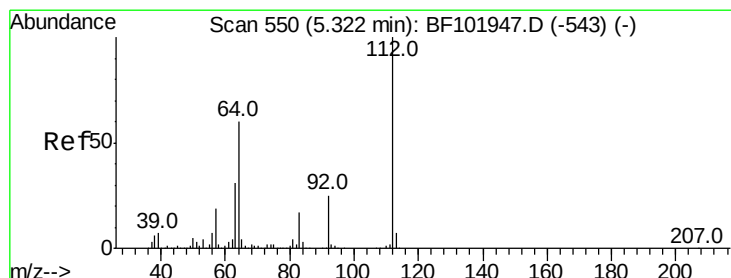
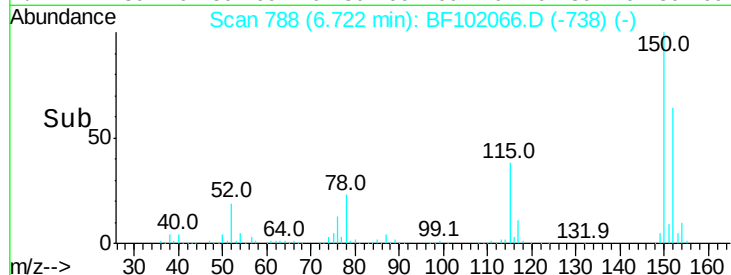
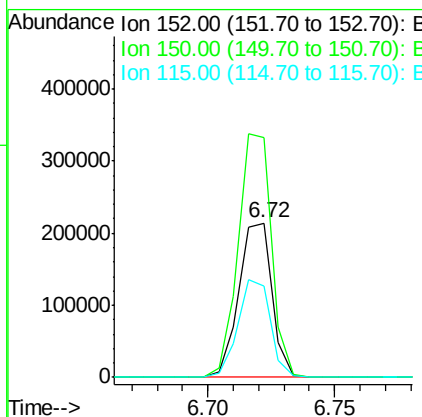
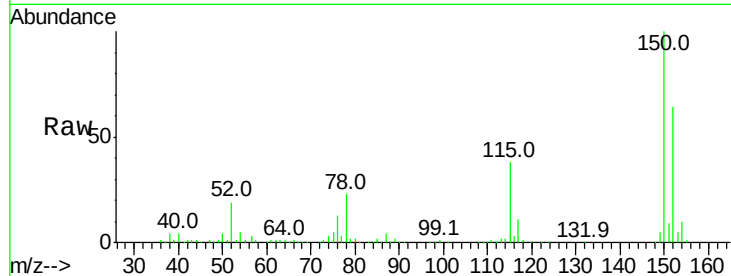
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	59.4	50.1	75.1

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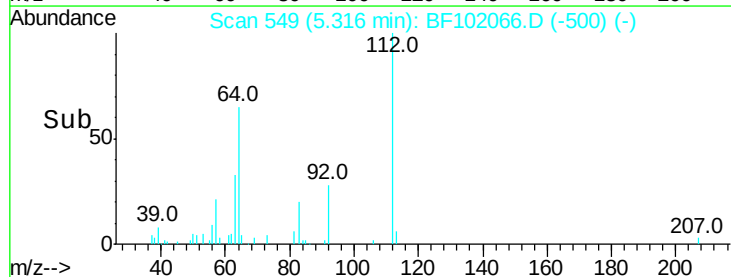
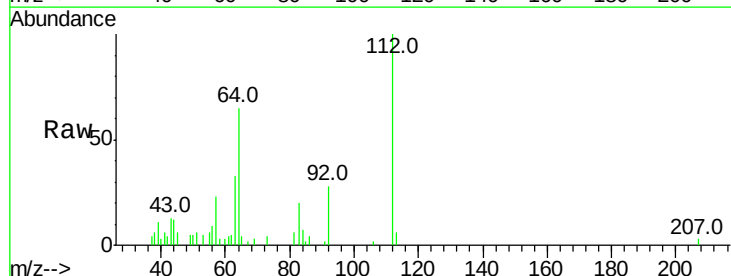
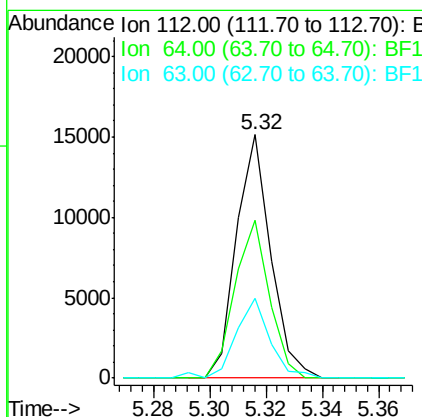
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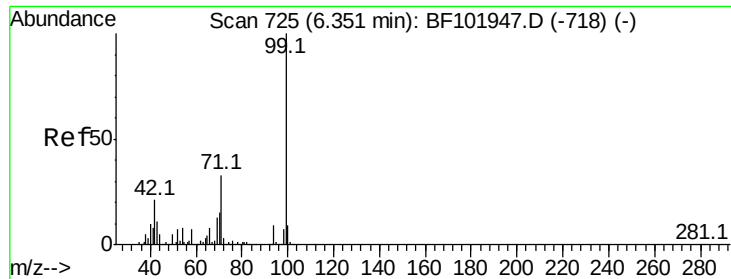


#5

2-Fluorophenol
Concen: 0.932 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	47.9	71.9
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 1.048 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

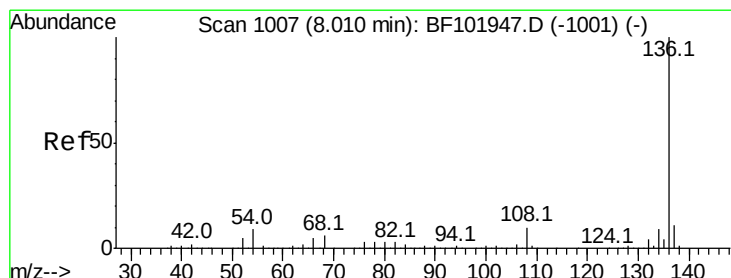
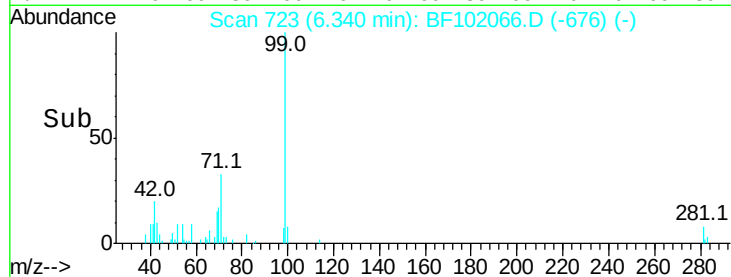
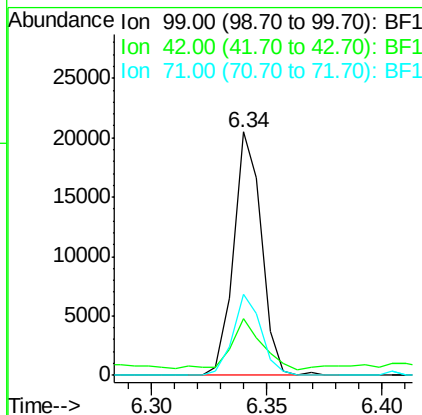
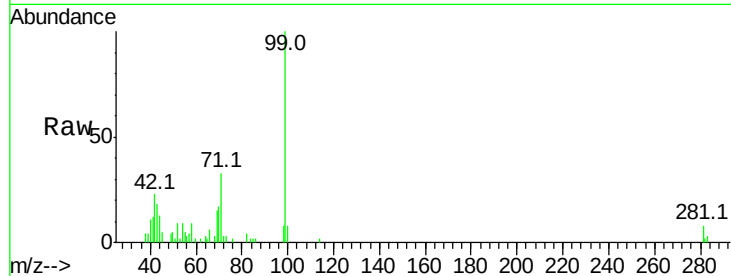
ClientSampled :

A2-SB97-E

Tot Ion	99	Resp	17154
Ion Ratio	Lower	Upper	
99	100		
42	23.3	14.5	21.7#
71	33.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

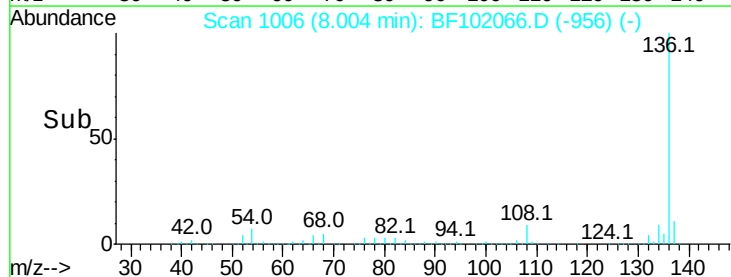
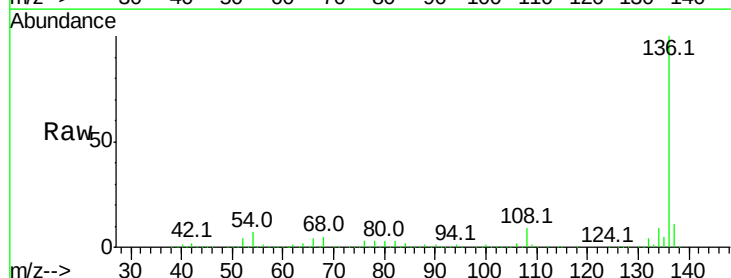
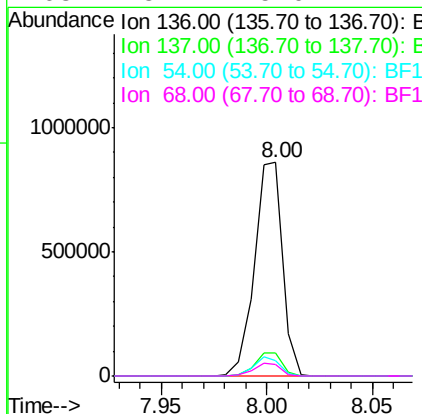
RT: 8.00 min Scan# 1006

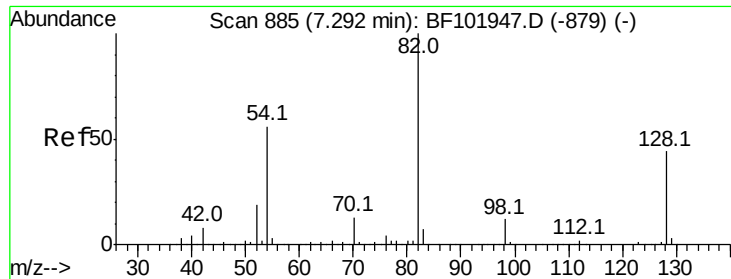
Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Tgt Ion	136	Resp	797427
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.5	6.6	9.8
68	5.2	5.0	7.4





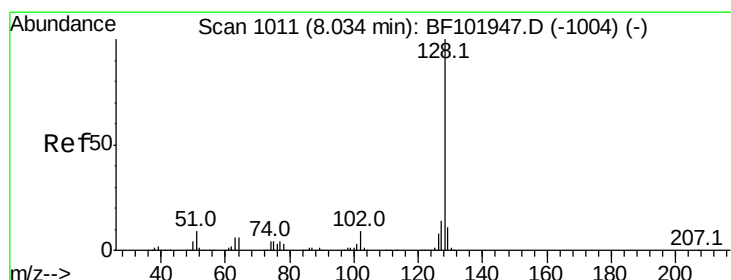
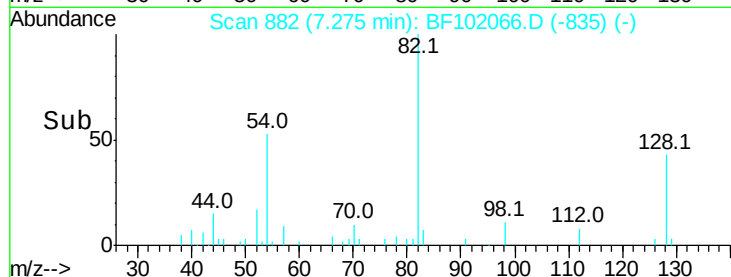
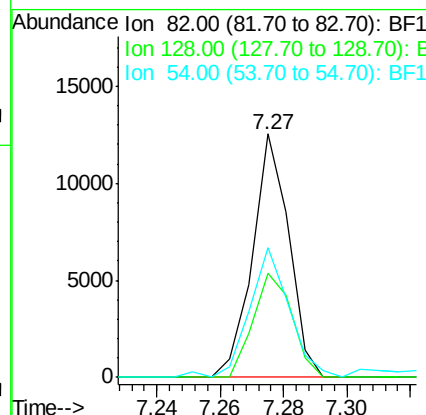
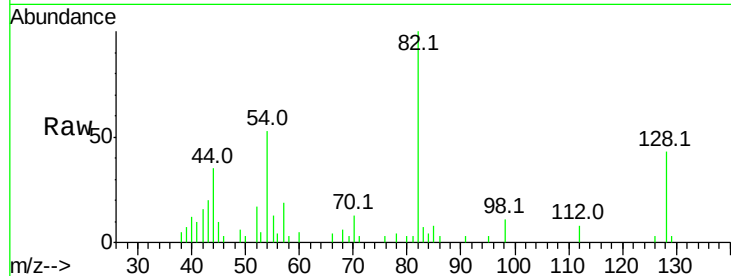
#23
Nitrobenzene-d5
Concen: 0.734 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampled :
A2-SB97-E

Tot Ion	82	Resp	9959
Ion Ratio	100	Lower	Upper
128	42.5	36.1	54.1
54	53.2	41.4	62.2

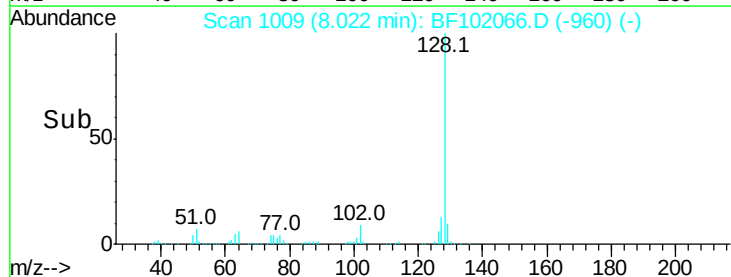
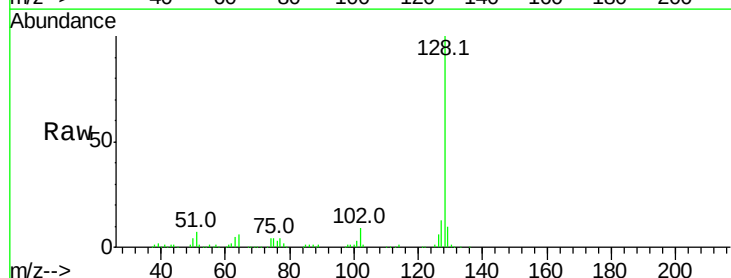
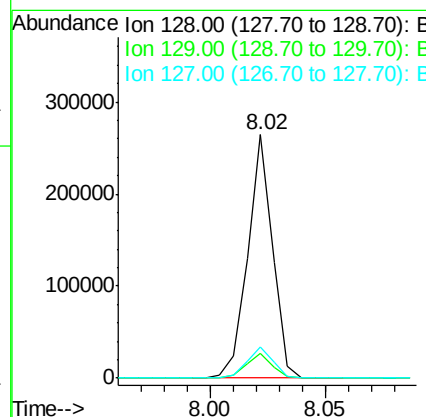
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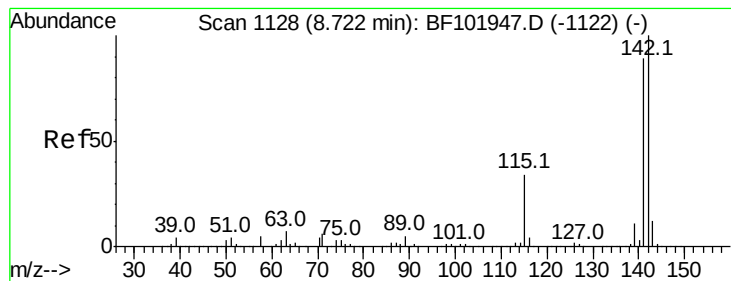
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#31
Naphthalene
Concen: 4.956 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion	128	Resp	197493
Ion Ratio	100	Lower	Upper
129	10.3	8.8	13.2
127	12.9	10.9	16.3





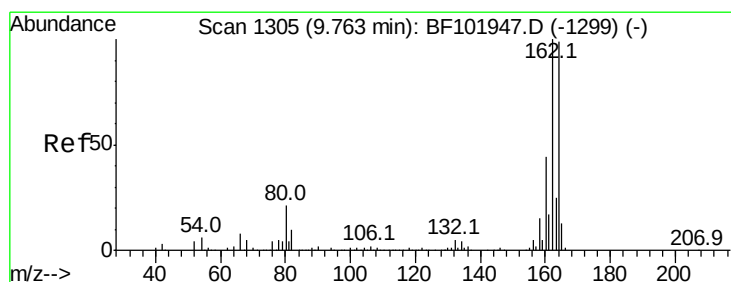
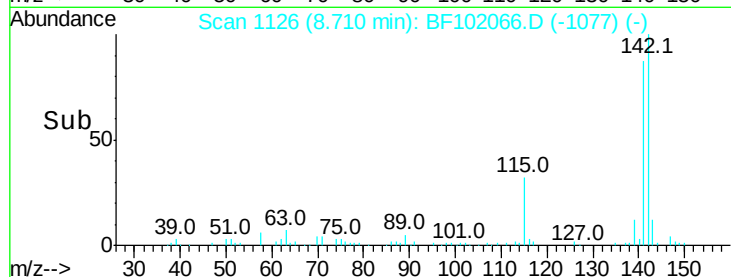
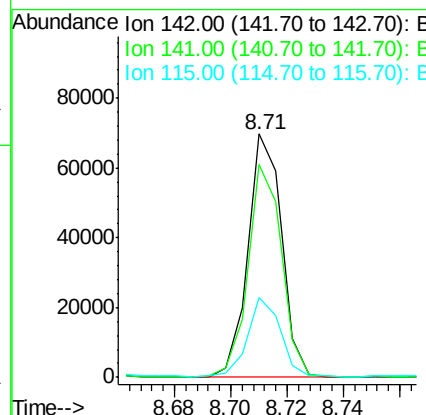
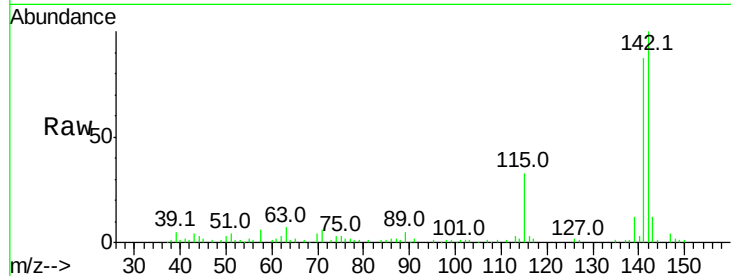
#37
 2-Methylnaphthalene
 Concen: 2.200 ng
 RT: 8.71 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Instrument :
 BNA_F
 ClientSampleId :
 A2-SB97-E

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	32.6	26.1	39.1

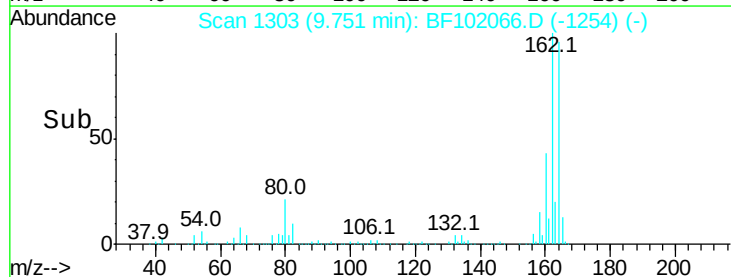
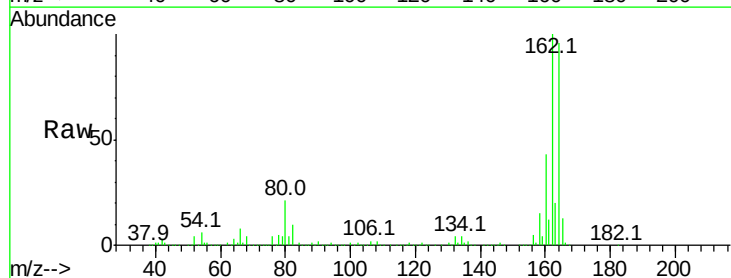
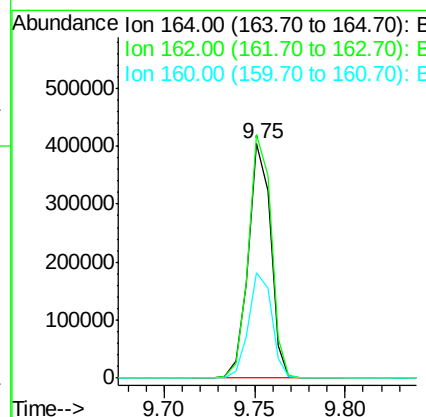
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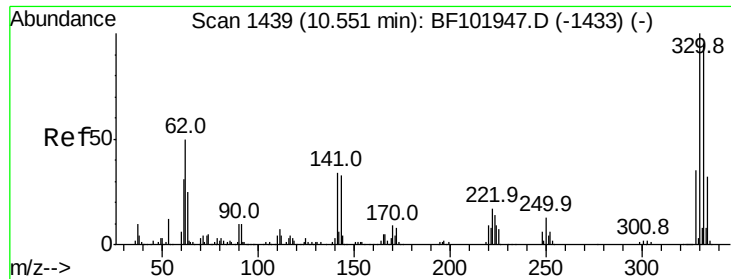
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	45.1	38.3	57.5





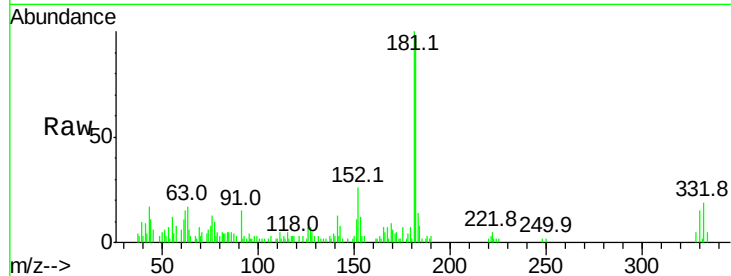
#41
 2,4,6-Tribromophenol
 Concen: 0.819 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Instrument :
 BNA_F
 ClientSampleID :
 A2-SB97-E

Tot Ion	Ratio	Lower	Upper
330	100		
332	113.9	77.0	115.6
141	74.4	29.9	44.9

Manual Integrations
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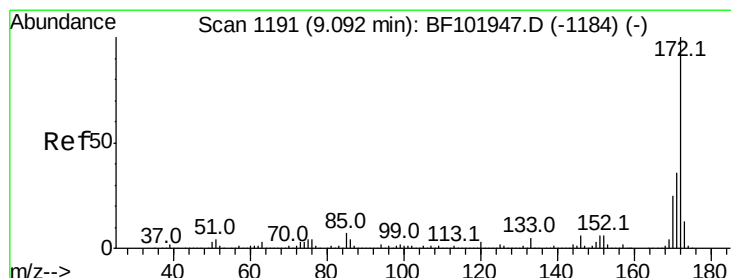
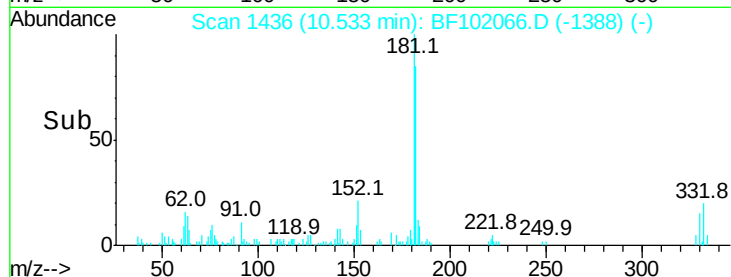
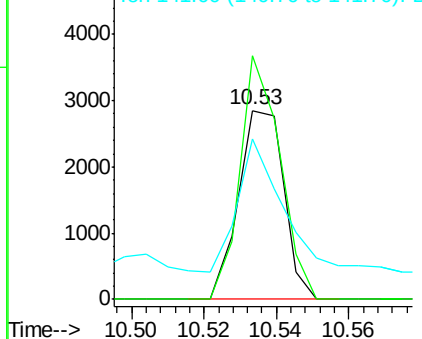


Abundance

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: 0.982 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.02 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

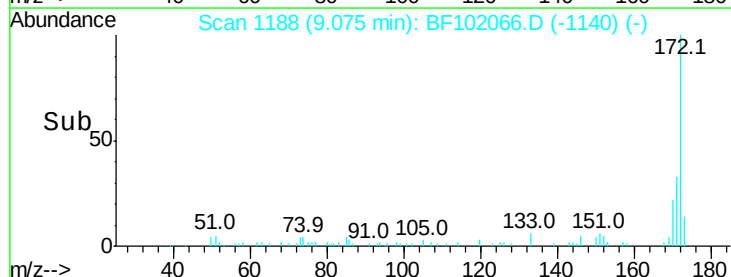
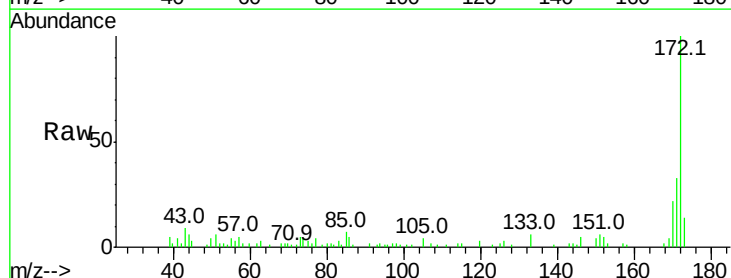
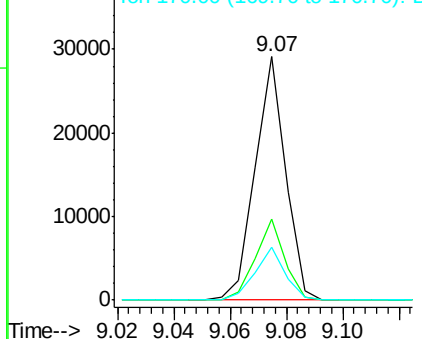
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	21.8	19.6	29.4

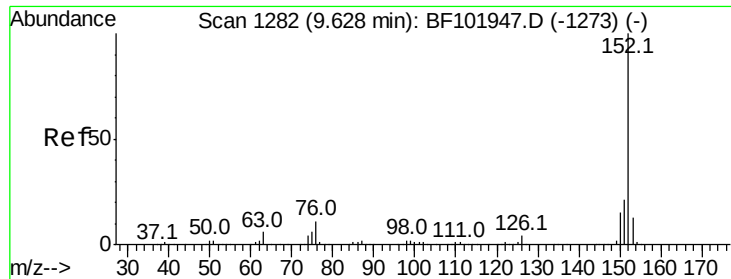
Abundance

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





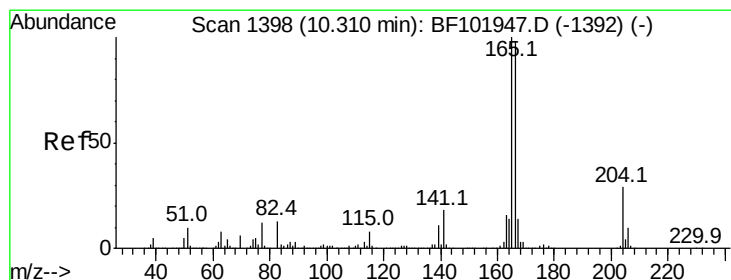
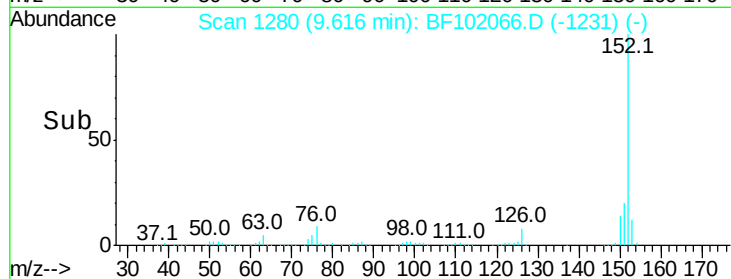
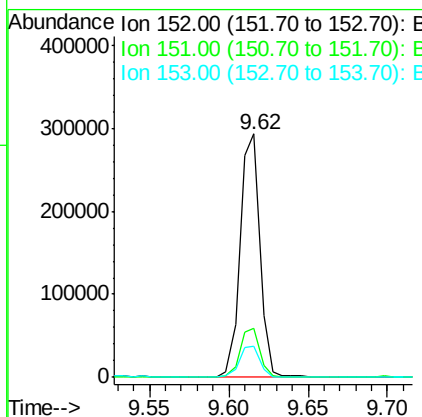
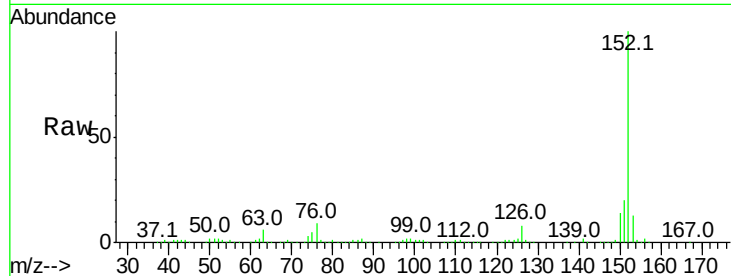
#48
Acenaphthylene
Concen: 6.730 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.7	10.7	16.1

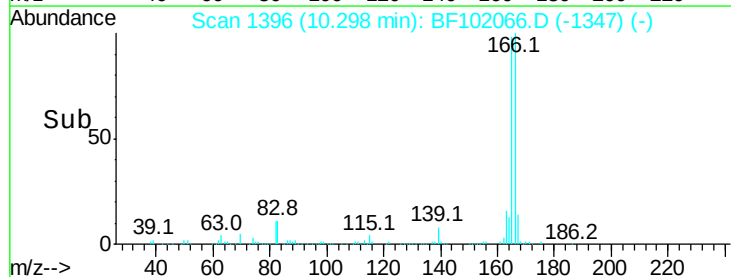
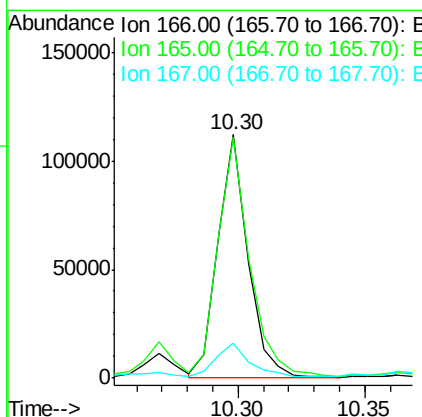
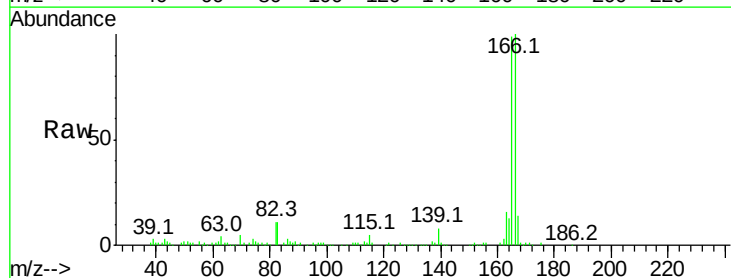
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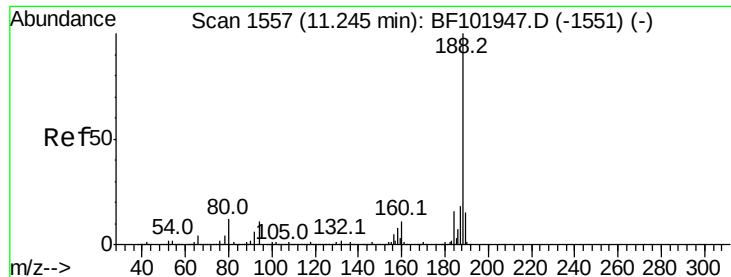
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#57
Fluorene
Concen: 4.271 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.8	119.8
167	14.3	10.6	16.0





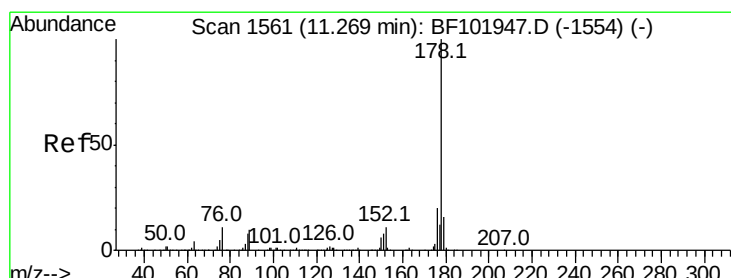
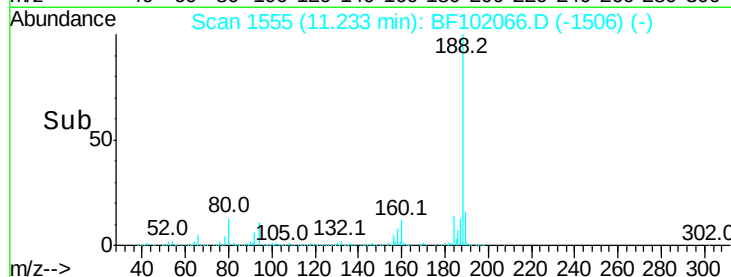
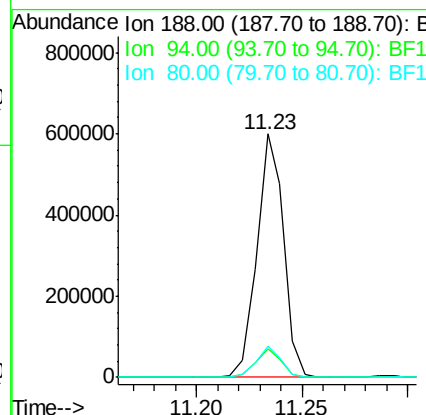
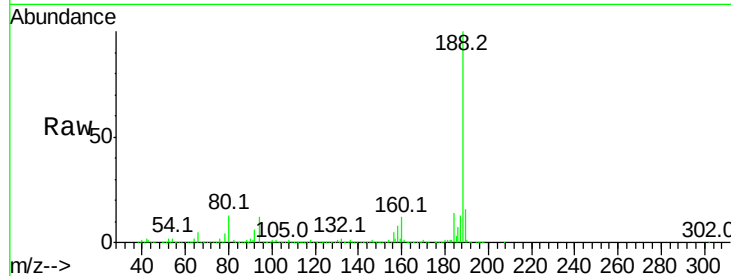
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.8	9.2	13.8

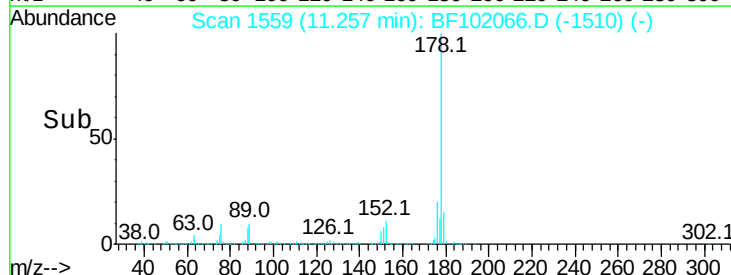
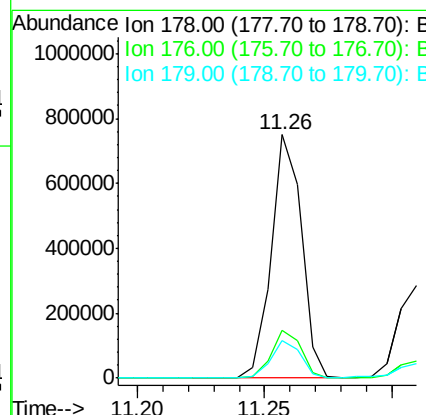
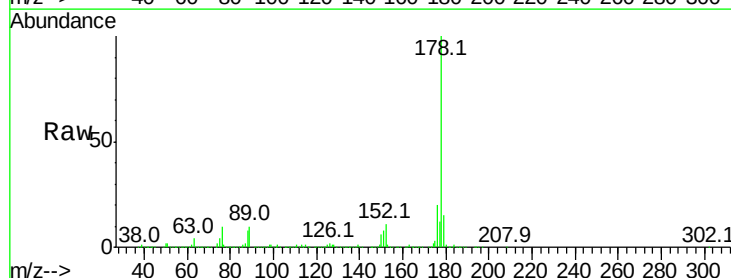
Manual Integrations
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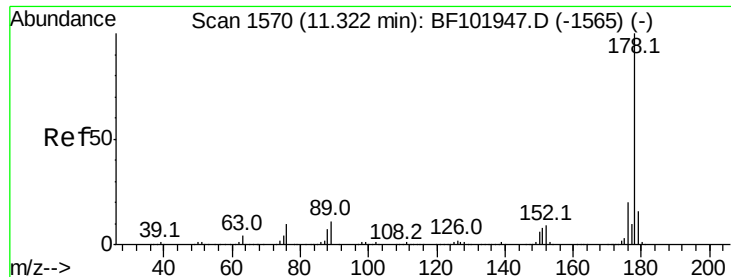
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#70
Phenanthrene
Concen: 20.150 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.3	13.0	19.6





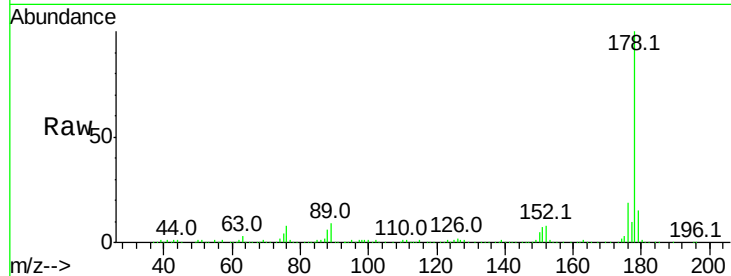
#71
 Anthracene
 Concen: 7.247 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Instrument :
 BNA_F
 ClientSampled :
 A2-SB97-E

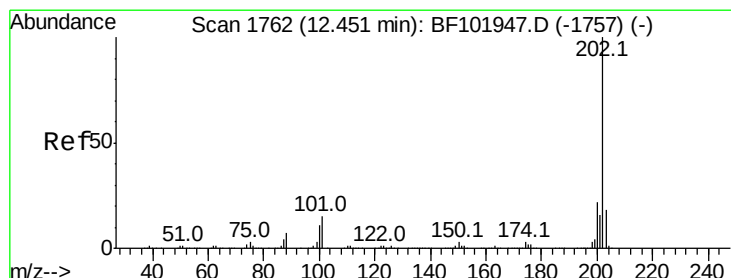
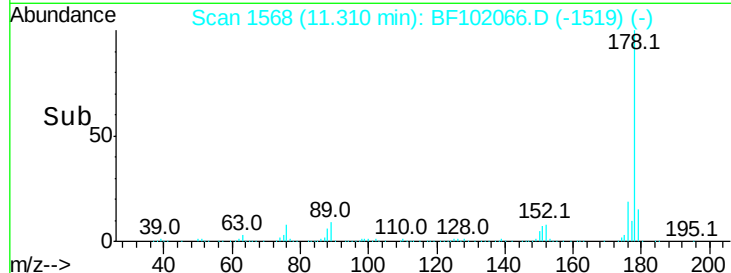
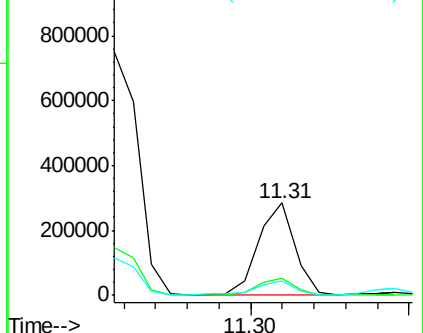
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.6	19.0

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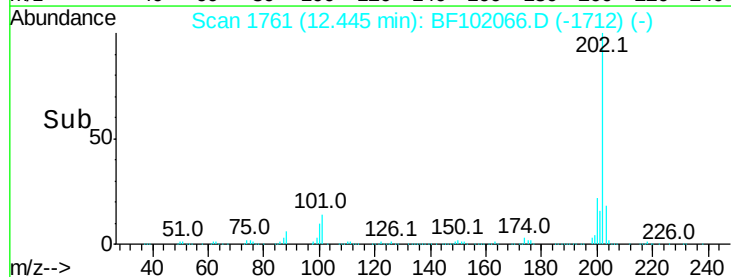
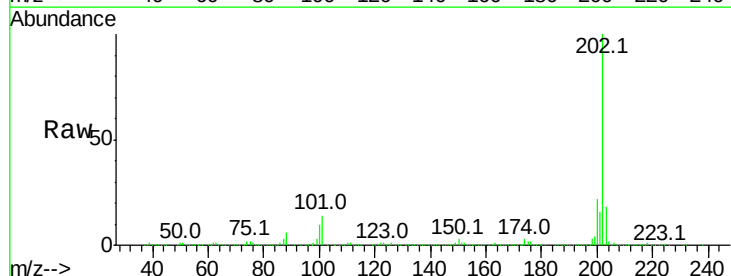
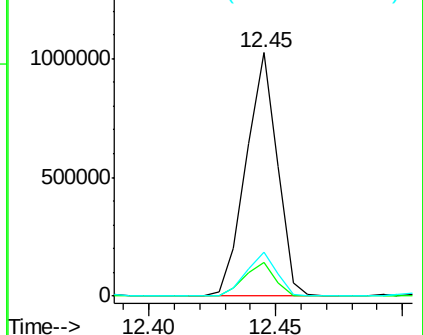
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

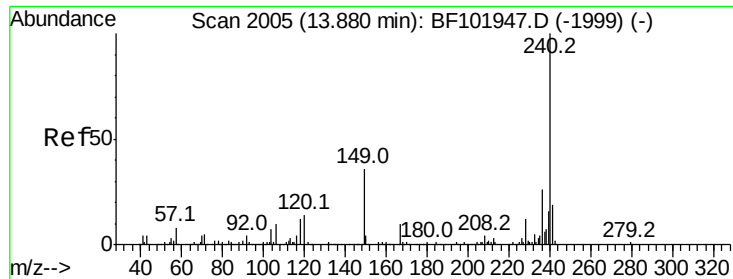


#74
 Fluoranthene
 Concen: 29.065 ng
 RT: 12.45 min Scan# 1761
 Delta R.T. -0.01 min
 Lab File: BF102066.D
 Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	18.1	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

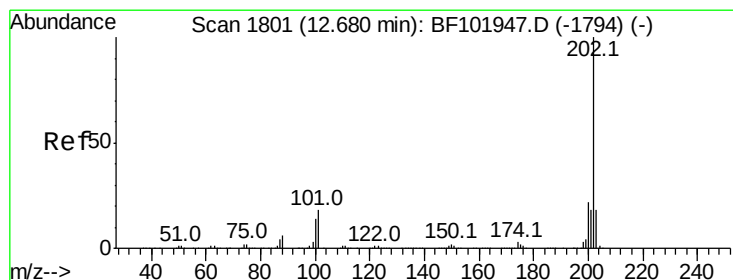
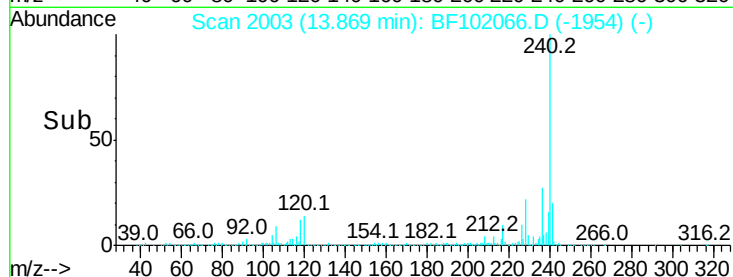
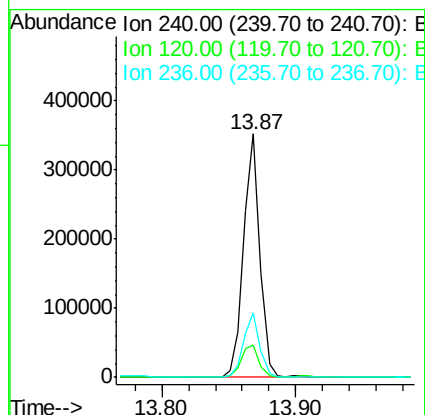
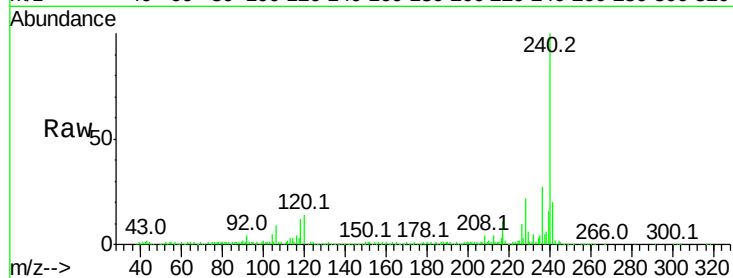
ClientSampleId :

A2-SB97-E

Tot Ion:	240	Resp:	299685
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	26.7	20.7	31.1

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#77

Pyrene

Concen: 31.697 ng

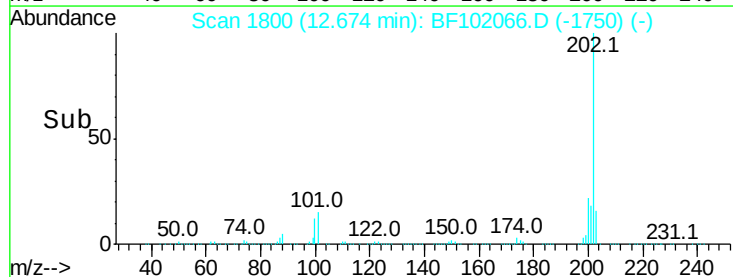
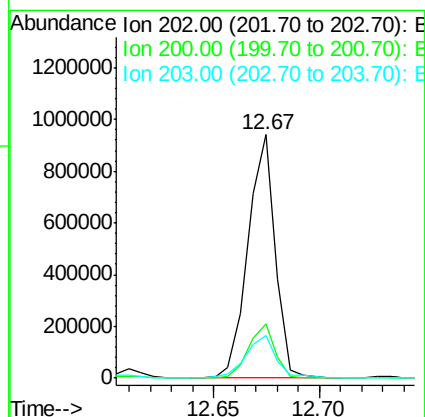
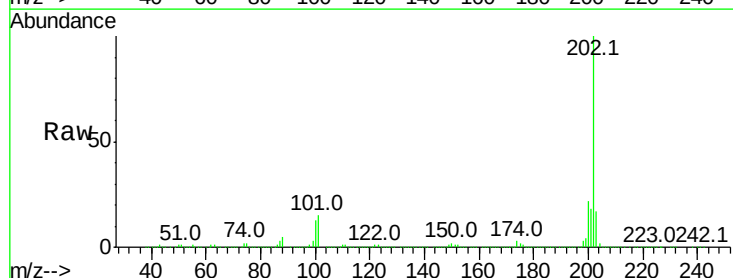
RT: 12.67 min Scan# 1800

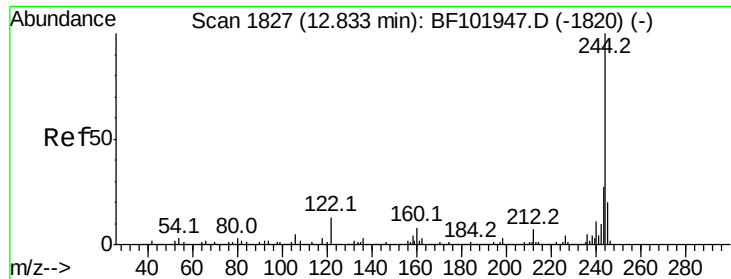
Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Tgt Ion:	202	Resp:	839659
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 0.977 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Instrument :

BNA_F

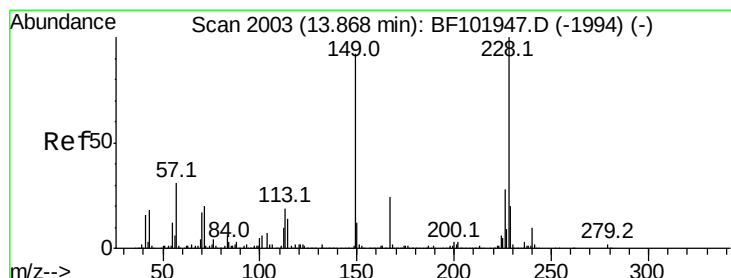
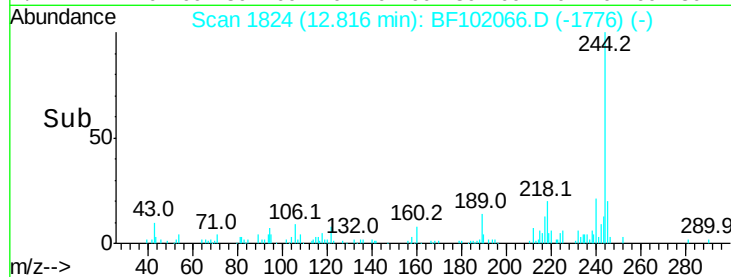
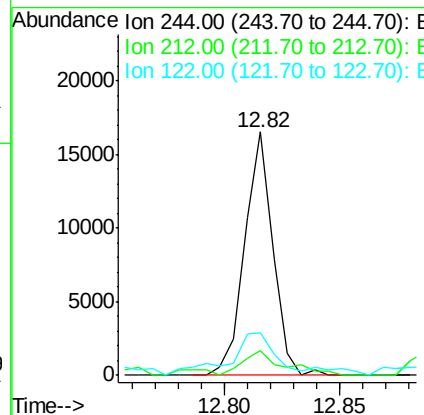
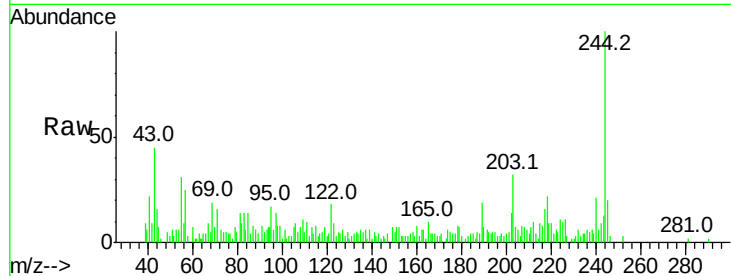
ClientSampleId :

A2-SB97-E

Tot Ion:	244	Resp:	14100
Ion Ratio	Lower	Upper	
244	100		
212	10.1	5.4	8.0#
122	17.5	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 23.180 ng m

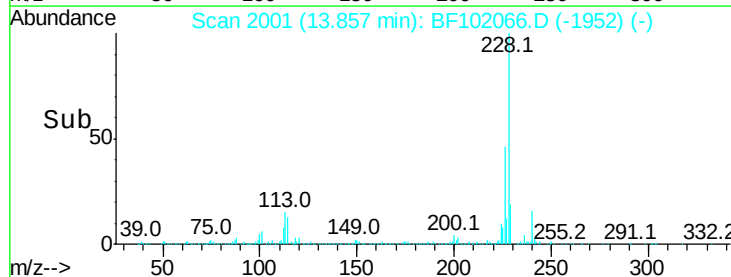
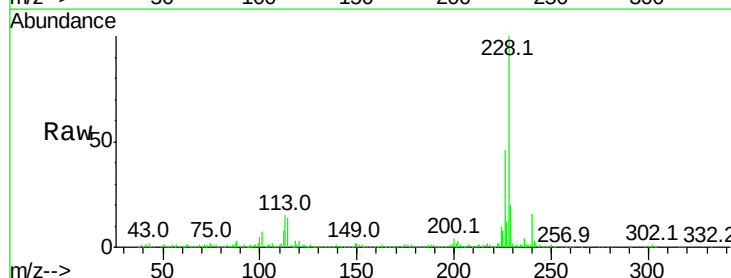
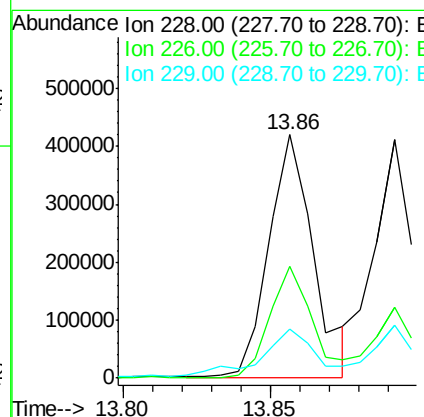
RT: 13.86 min Scan# 2001

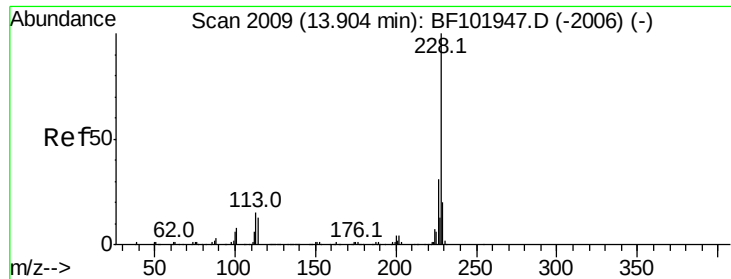
Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Tgt Ion:	228	Resp:	443220
Ion Ratio	Lower	Upper	
228	100		
226	46.0	22.6	33.8#
229	20.1	15.8	23.6





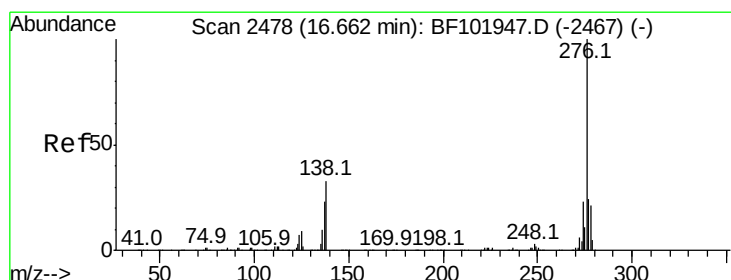
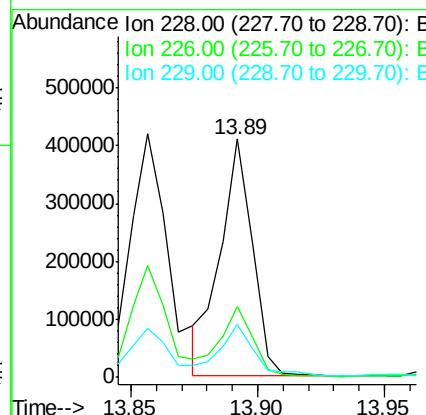
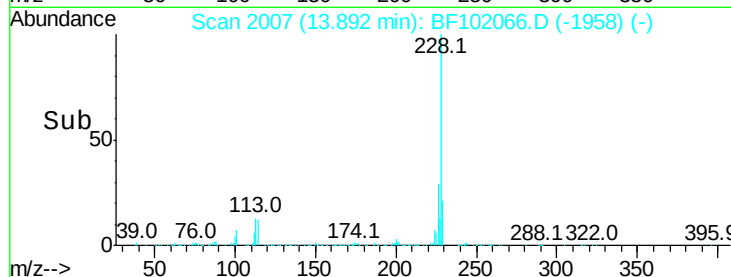
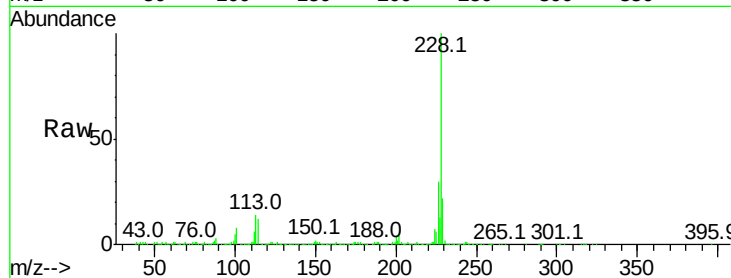
#82
Chrysene
Concen: 18.224 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampled :
A2-SB97-E

Tot Ion:	228	Resp:	363337
Ion Ratio	Lower	Upper	
228	100		
226	29.6	25.0	37.6
229	22.3	16.2	24.4

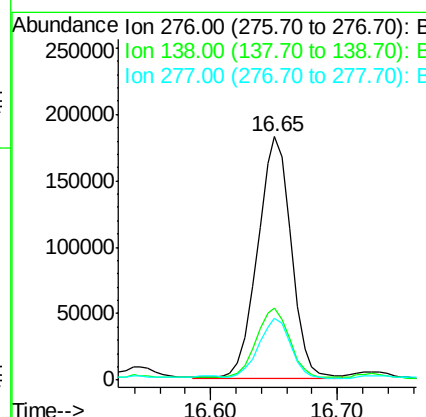
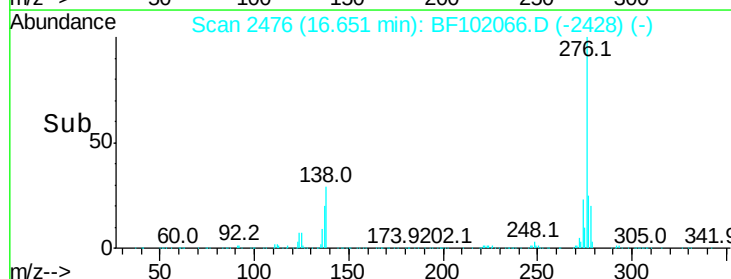
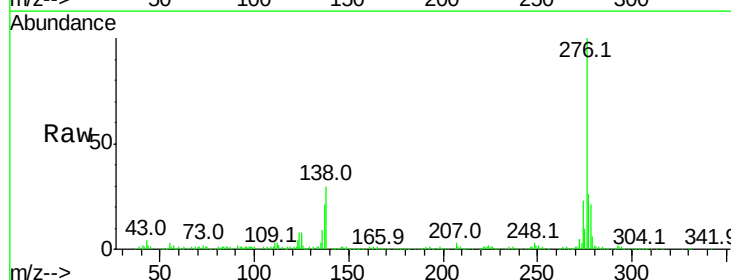
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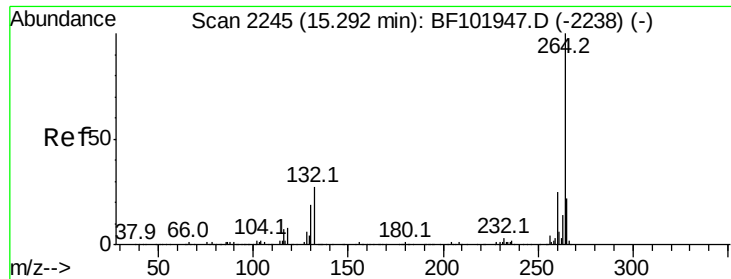
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 23.102 ng
RT: 16.65 min Scan# 2476
Delta R.T. -0.02 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion:	276	Resp:	335243
Ion Ratio	Lower	Upper	
276	100		
138	29.6	25.0	37.6
277	24.3	20.1	30.1





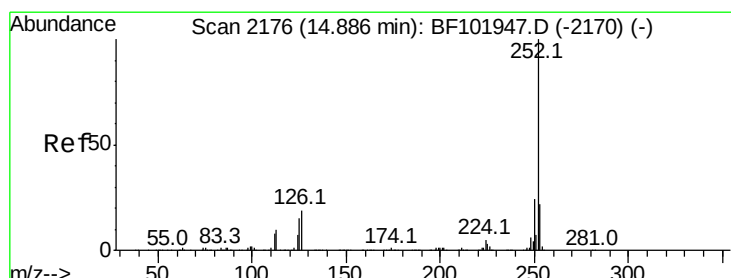
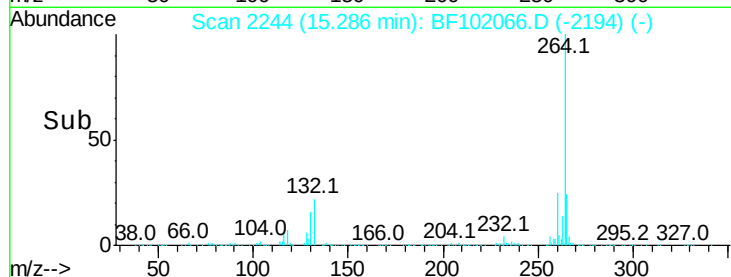
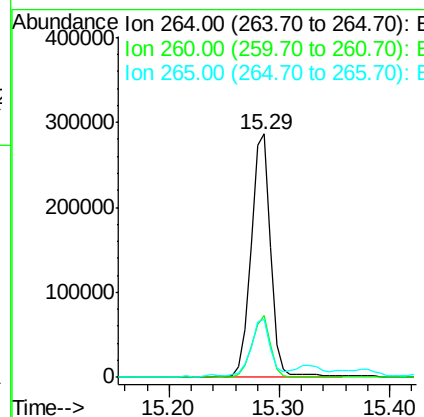
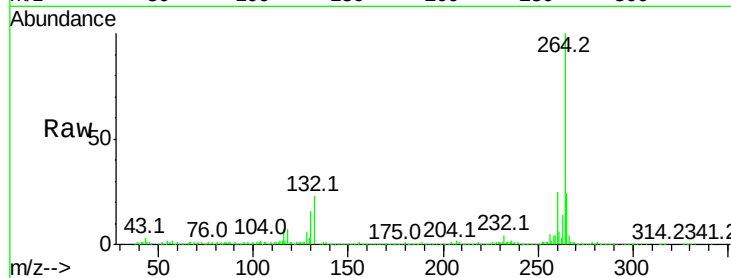
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.9	17.5	26.3

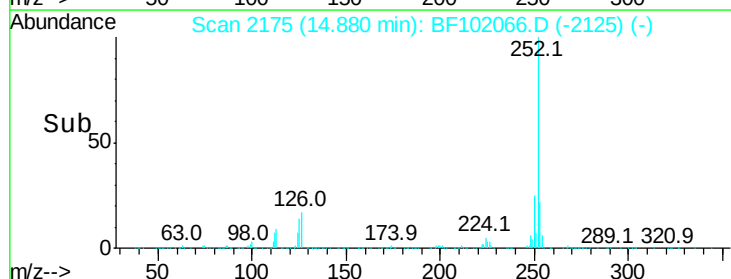
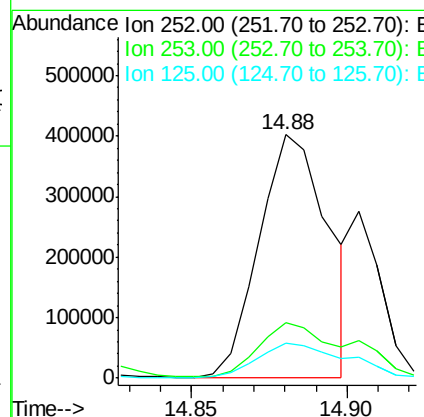
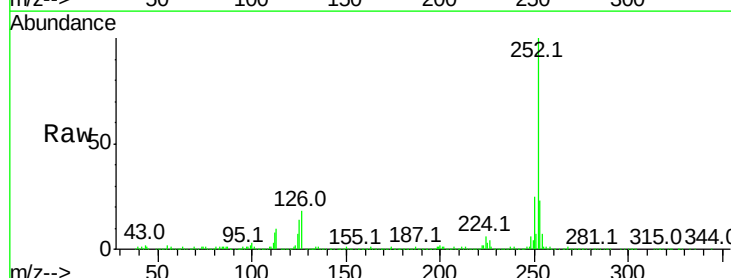
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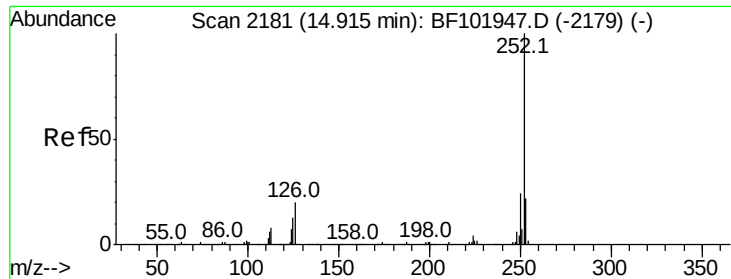
Sohil
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#87
Benzo(b)fluoranthene
Concen: 26.683 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	14.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 8.610 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF102066.D

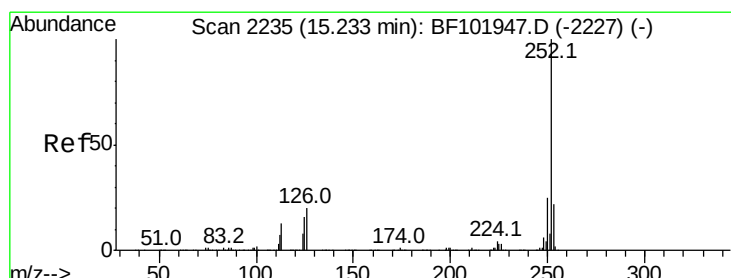
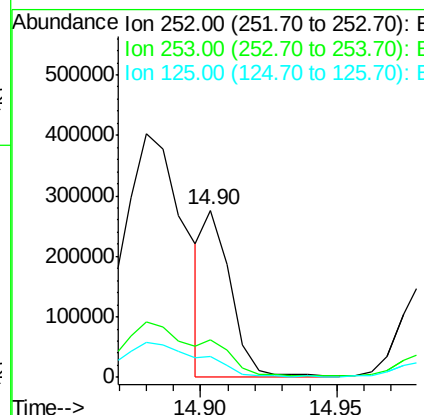
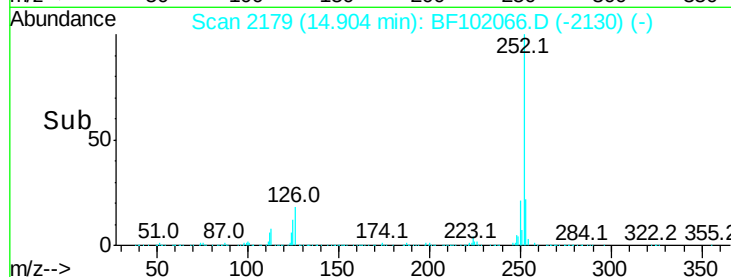
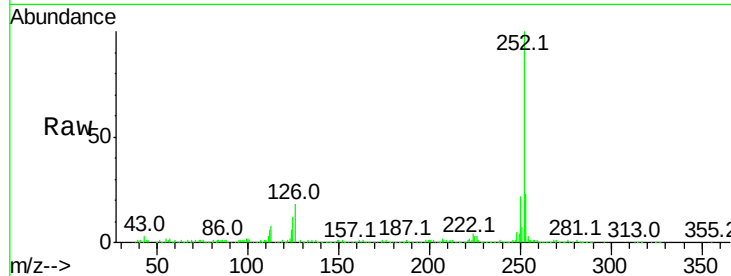
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.3	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 23.118 ng

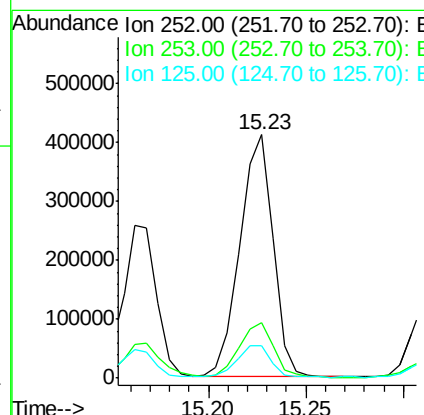
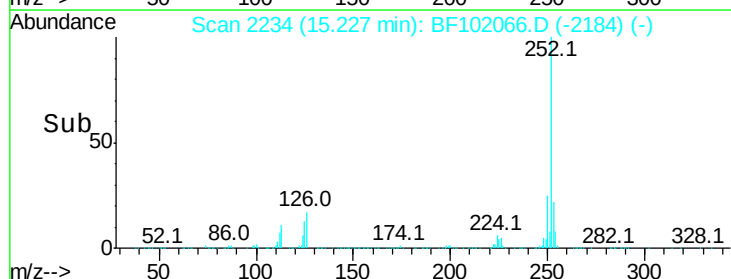
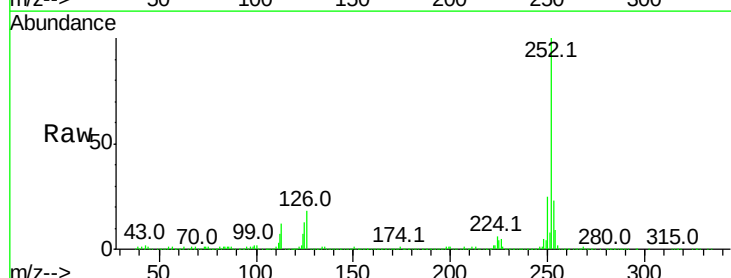
RT: 15.23 min Scan# 2234

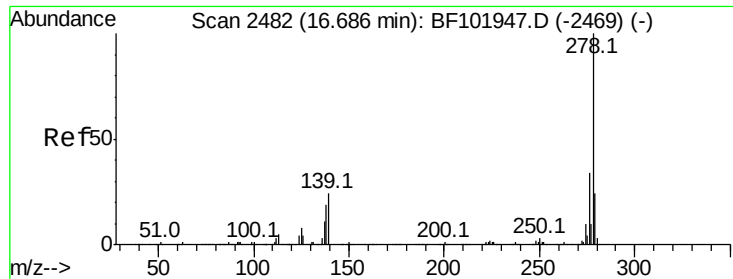
Delta R.T. -0.01 min

Lab File: BF102066.D

Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	13.4	9.8	14.6





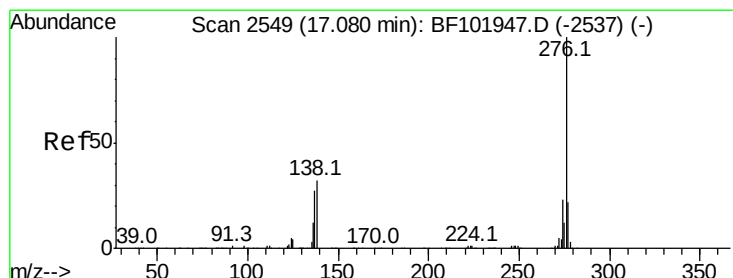
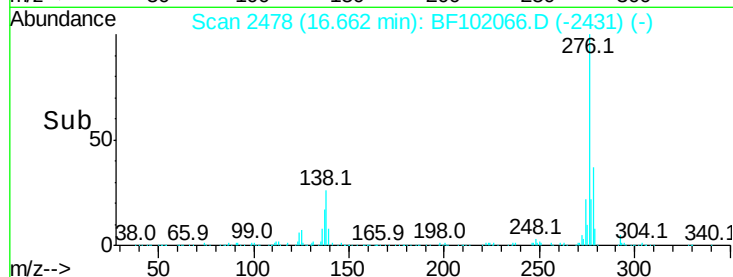
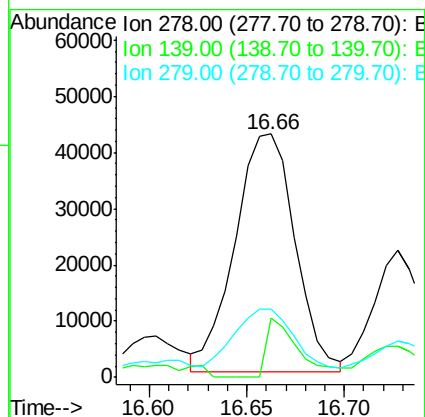
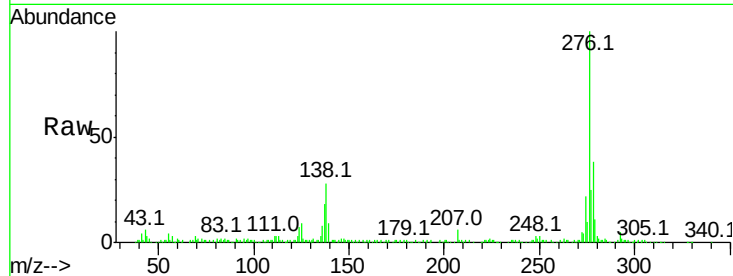
#90
Dibenzo(a,h)anthracene
Concen: 5.397 ng
RT: 16.66 min Scan# 2478
Delta R.T. -0.02 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Instrument :
BNA_F
ClientSampleId :
A2-SB97-E

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.3	15.9	23.9#
279	28.0	19.0	28.4

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1/16/2018 5:01:15 PM



#91
Benzo(g,h,i)perylene
Concen: 19.563 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF102066.D
Acq: 15 Jan 2018 16:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	30.2	21.8	32.8

