

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101726.D
 Acq On : 26 Dec 2017 21:07
 Operator : SJ/JU
 Sample : I7022-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Manual Integrations
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Sohil
 12/27/2017 4:14:57 PM

Quant Time: Dec 27 06:03:41 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125935	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	430471	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	159873	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	282263	20.00	ng	0.00
75) Chrysene-d12	13.97	240	304686	20.00	ng	0.00
86) Perylene-d12	15.43	264	334653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	628787	74.37	ng	0.00
7) Phenol-d6	6.43	99	689413	65.52	ng	0.00
23) Nitrobenzene-d5	7.36	82	432127	55.88	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	116997	75.95	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	600276	58.24	ng	0.00
78) Terphenyl-d14	12.90	244	531346	42.04	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	57804	4.495	ng	100
70) Phenanthrene	11.34	178	169184	10.778	ng	99
71) Anthracene	11.40	178	51780	3.229	ng	98
74) Fluoranthene	12.53	202	388882	23.603	ng	98
77) Pyrene	12.76	202	370935	16.222	ng	99
80) Benzo(a)anthracene	13.96	228	257312	12.790	ng	98
82) Chrysene	13.99	228	226119	11.904	ng	99
85) Indeno(1,2,3-cd)pyrene	16.92	276	149159	8.818	ng	# 88
87) Benzo(b)fluoranthene	15.01	252	322090m	15.790	ng	
88) Benzo(k)fluoranthene	15.03	252	113053m	5.700	ng	
89) Benzo(a)pyrene	15.37	252	240967	12.815	ng	97
90) Dibenzo(a,h)anthracene	16.92	278	33676m	2.086	ng	
91) Benzo(g,h,i)perylene	17.37	276	138303	8.651	ng	# 95

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

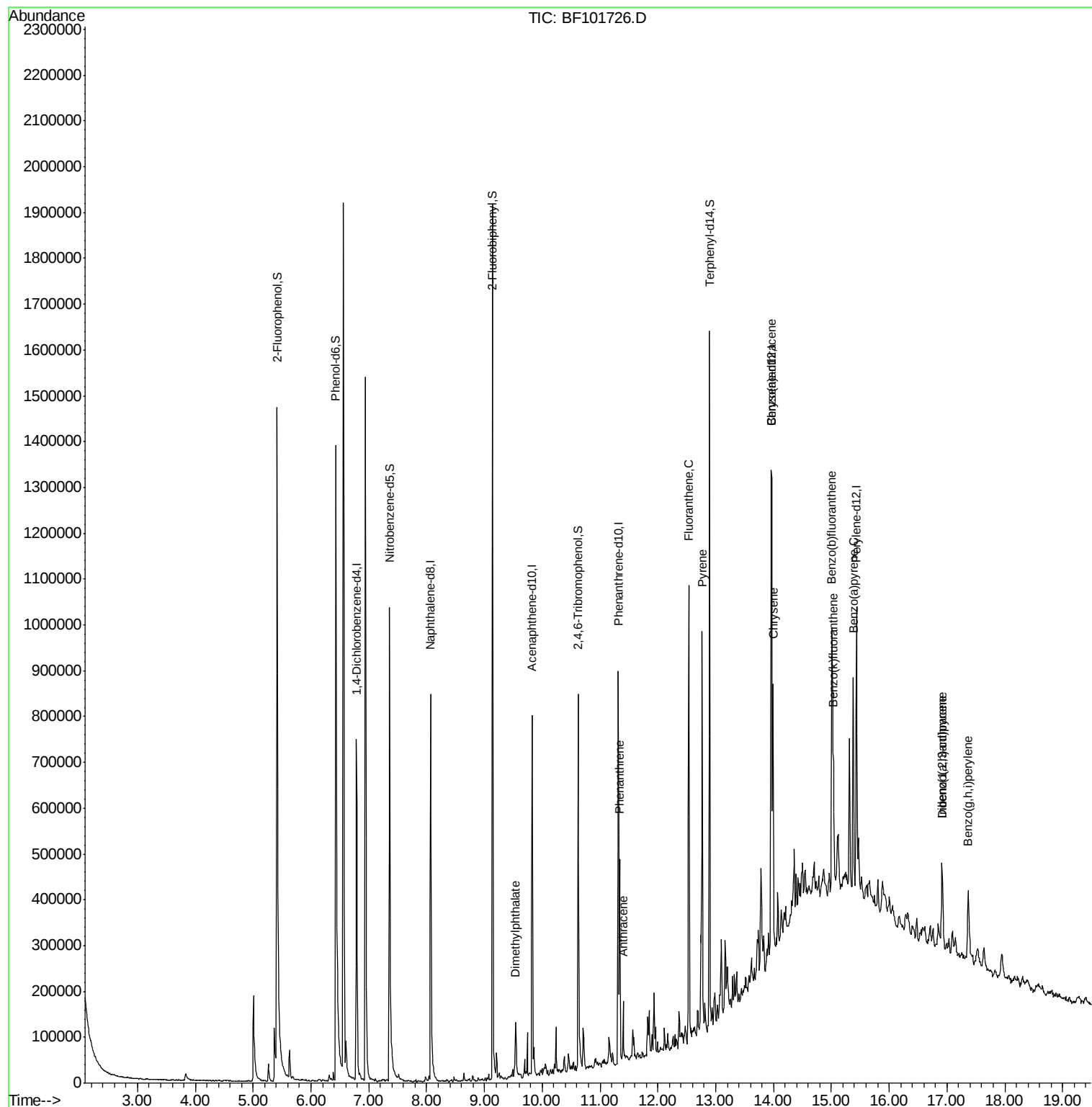
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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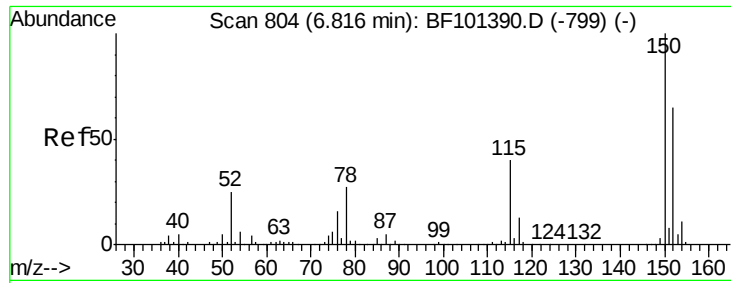
Instrument :
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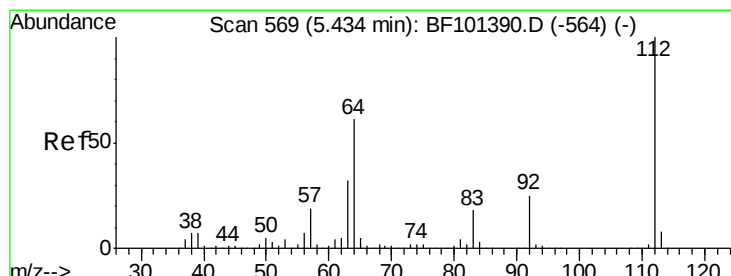
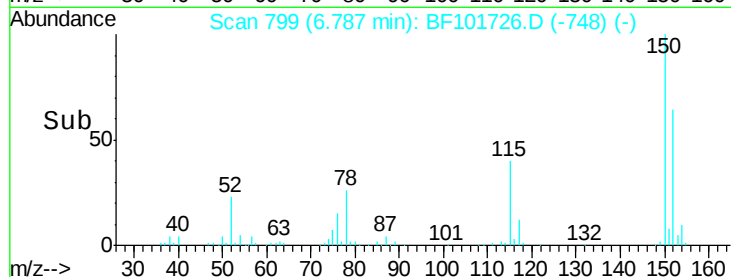
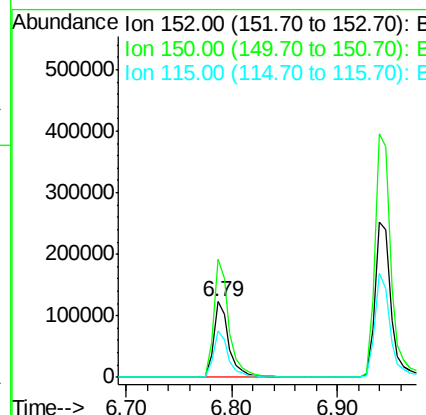
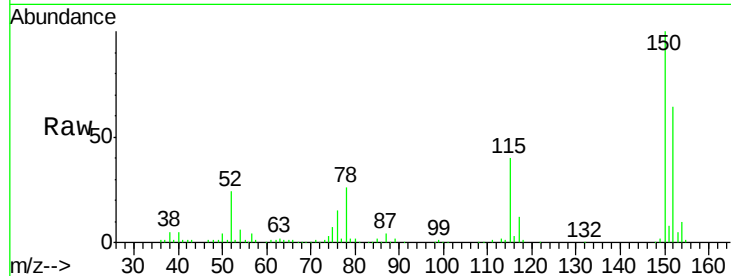
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampled :
 72-11938

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	62.2	50.1	75.1

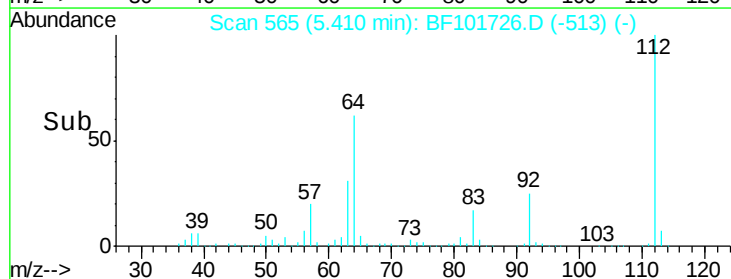
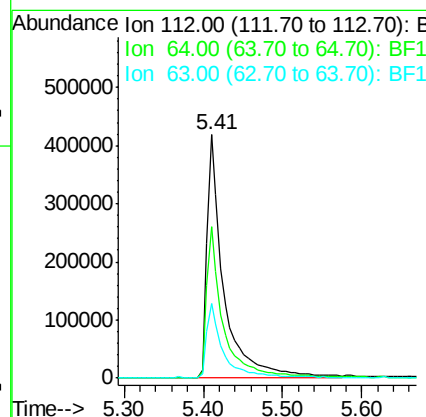
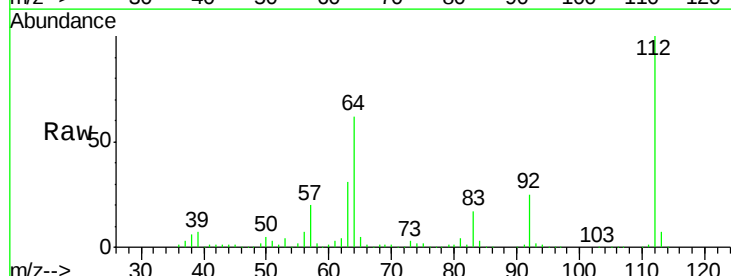
Manual Integrations
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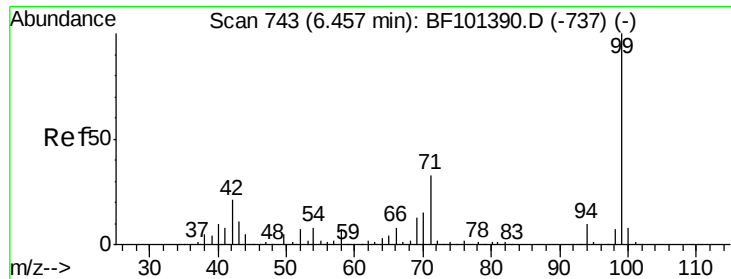
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#5
 2-Fluorophenol
 Concen: 74.374 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 65.522 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

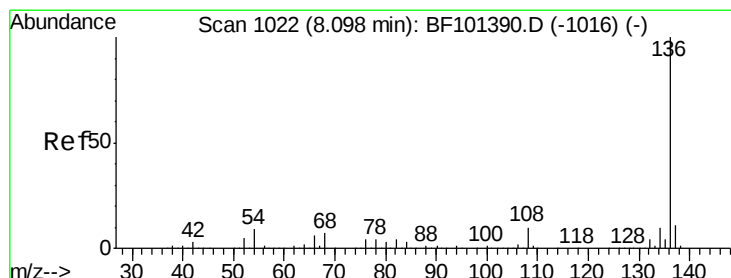
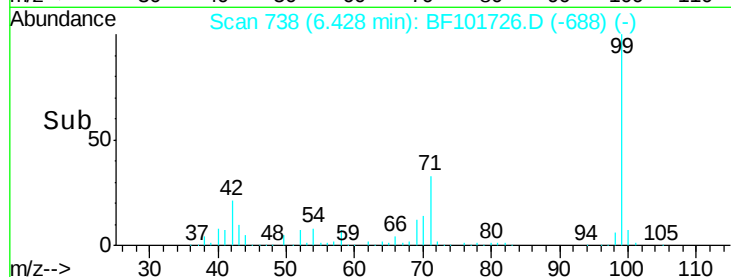
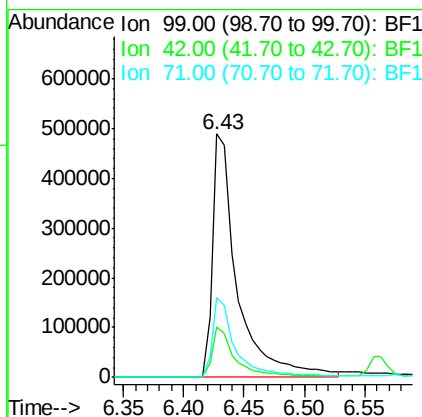
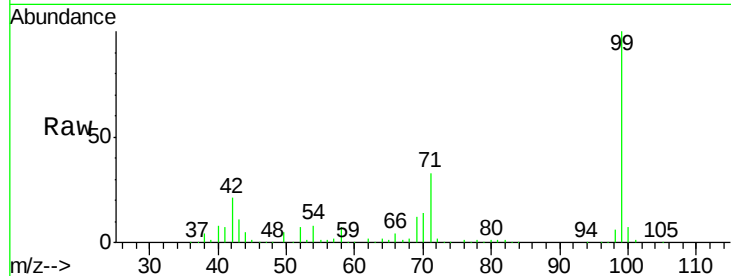
ClientSampleId :

72-11938

Tgt Ion:	99	Resp:	689413
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

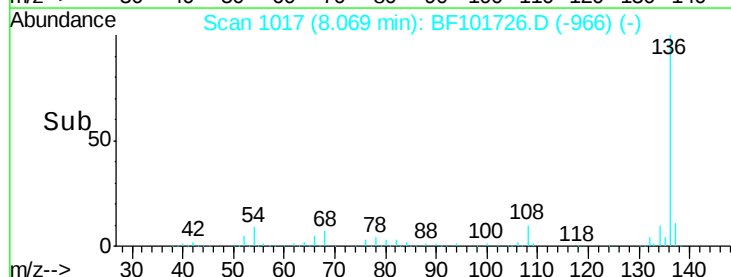
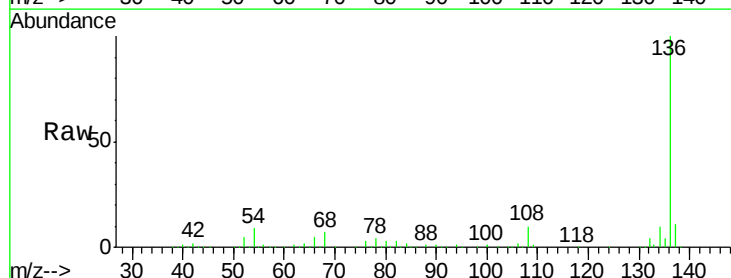
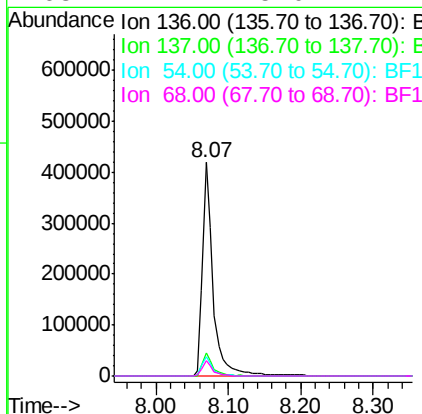
RT: 8.07 min Scan# 1017

Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Tgt Ion:	136	Resp:	430471
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	7.1	5.0	7.4





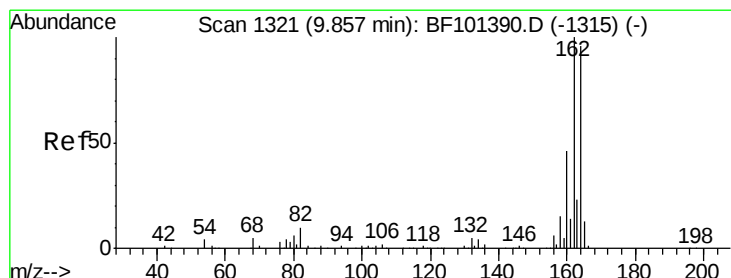
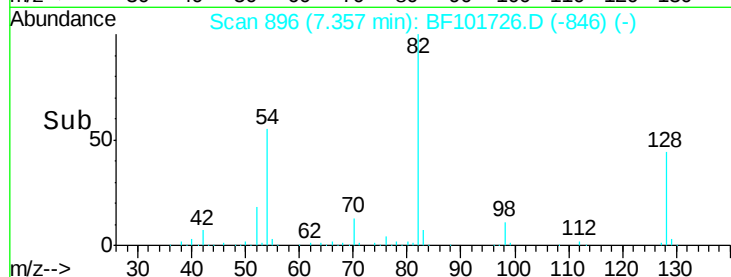
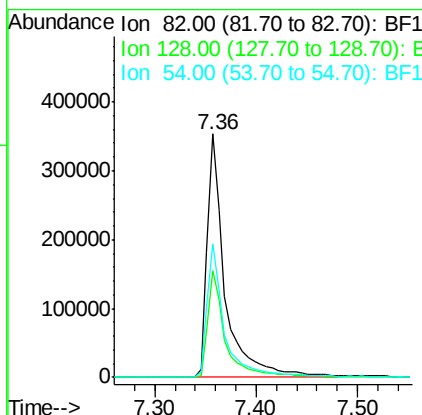
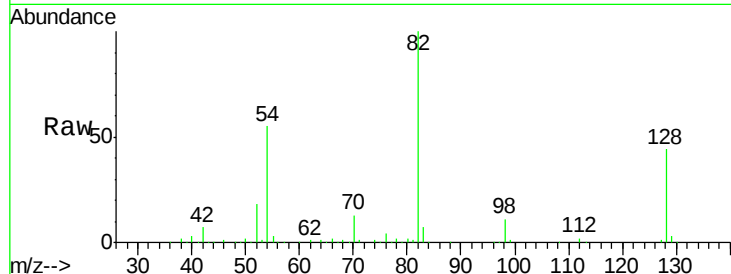
#23
 Nitrobenzene-d5
 Concen: 55.880 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampled :
 72-11938

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	432127		
128	43.7	36.1	54.1	
54	54.7	41.4	62.2	

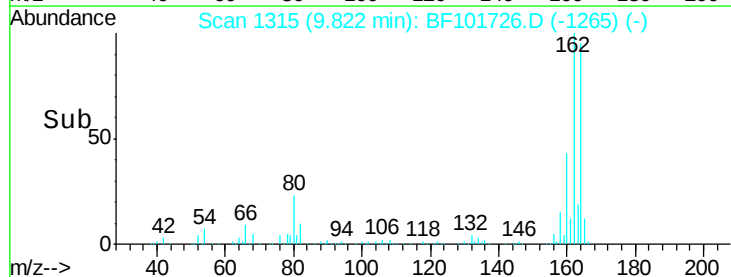
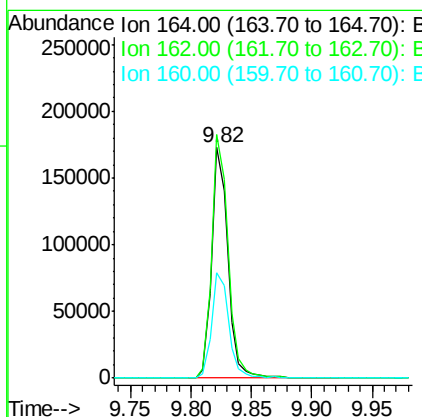
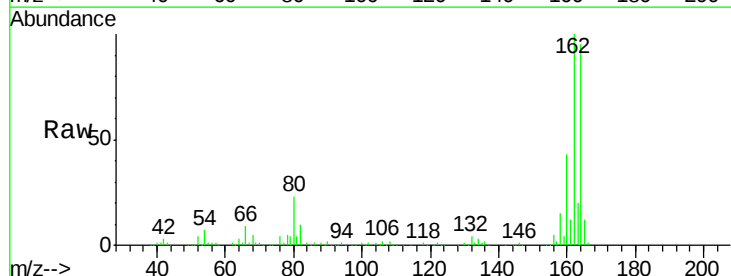
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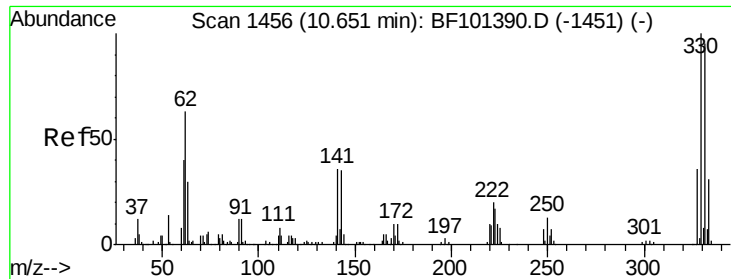
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159873		
162	105.7	86.1	129.1	
160	45.9	38.3	57.5	





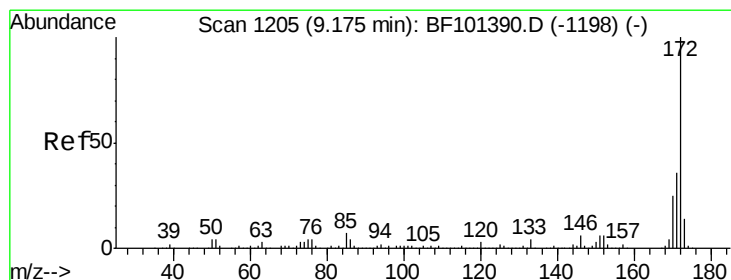
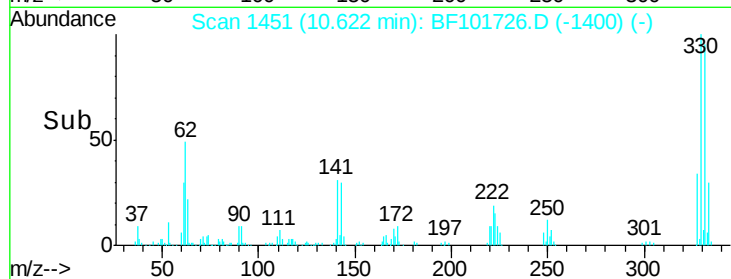
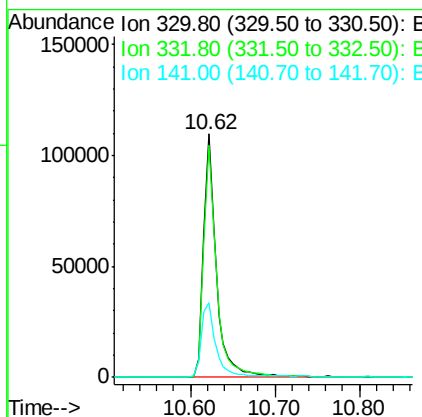
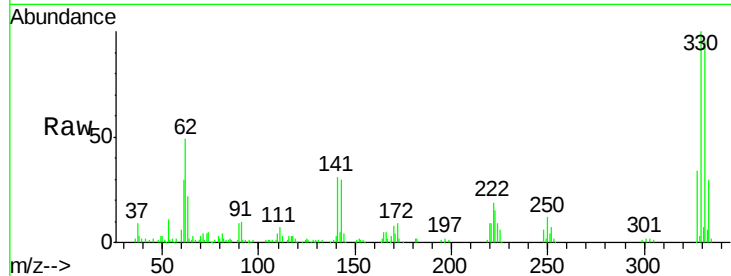
#41
 2,4,6-Tribromophenol
 Concen: 75.947 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampled :
 72-11938

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	116997		
332	94.4	77.0	115.6	
141	34.5	29.9	44.9	

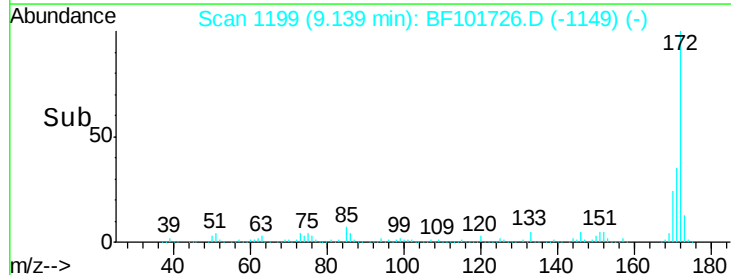
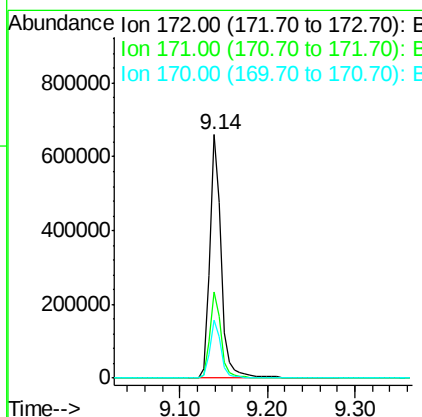
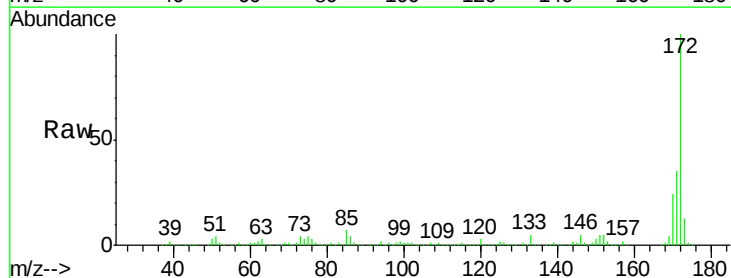
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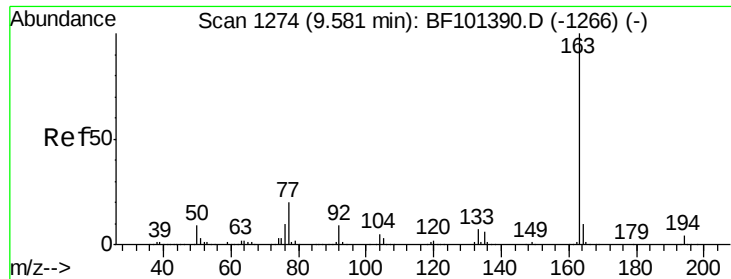
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#44
 2-Fluorobiphenyl
 Concen: 58.245 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	600276		
171	35.3	29.7	44.5	
170	24.0	19.6	29.4	





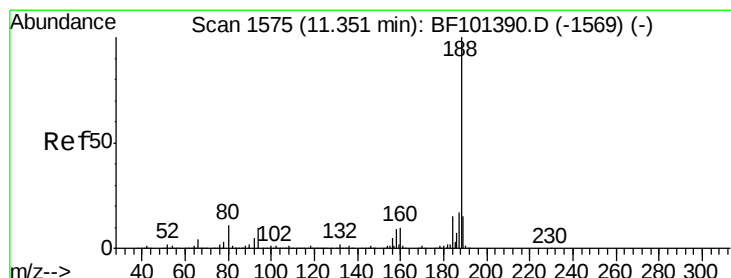
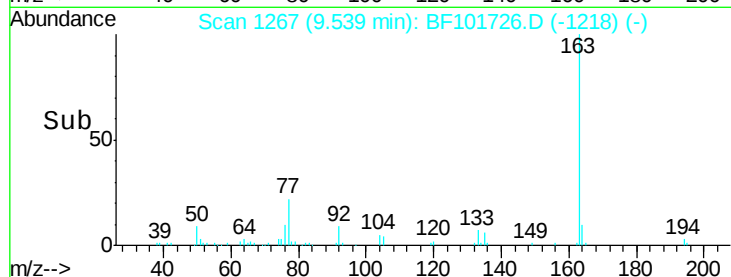
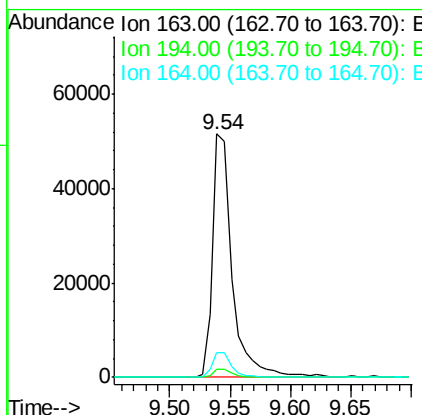
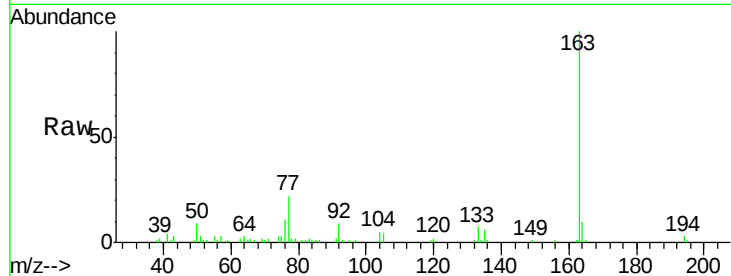
#49
Dimethylphthalate
Concen: 4.495 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	57804		
194	3.4		2.7	4.1
164	10.2		8.2	12.2

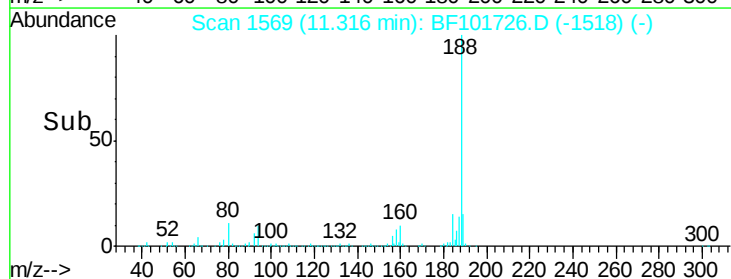
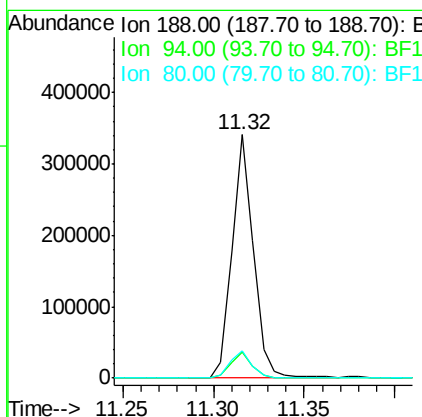
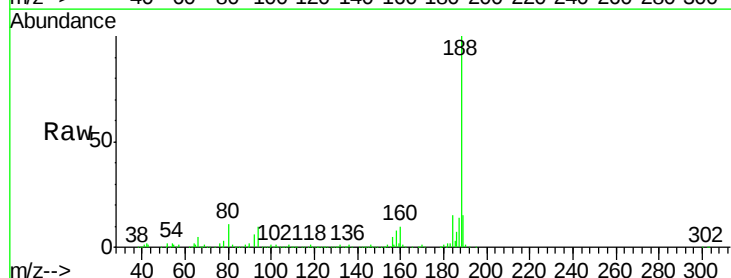
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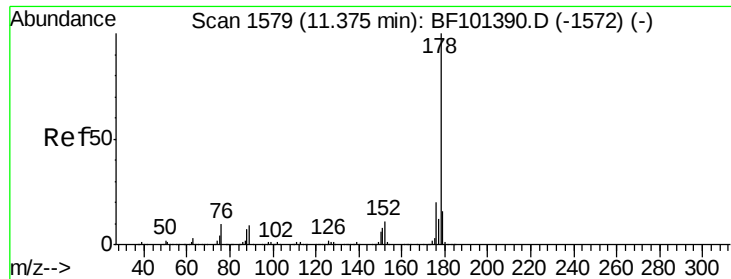
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	282263		
94	10.5		8.5	12.7
80	11.4		9.2	13.8





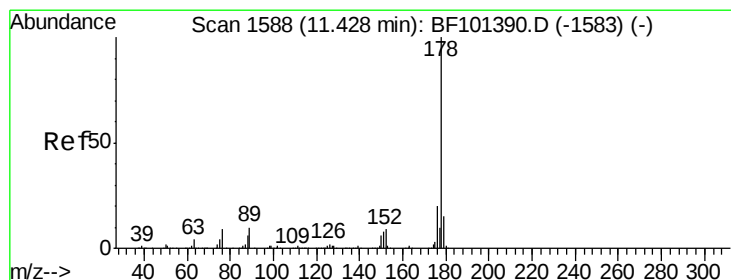
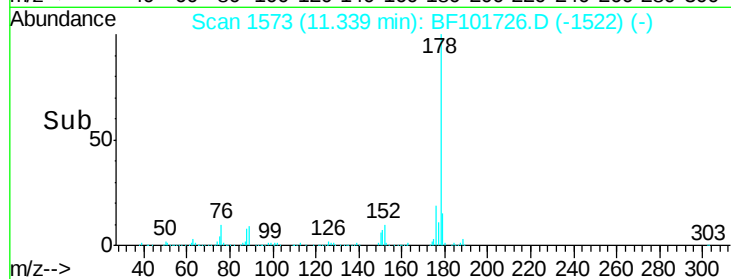
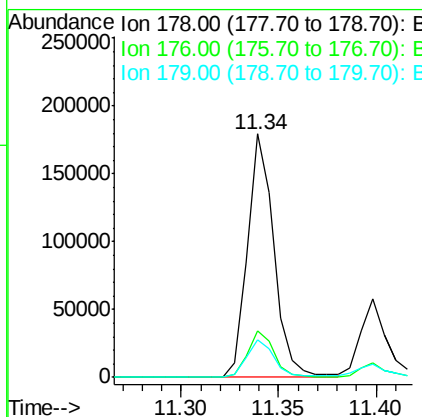
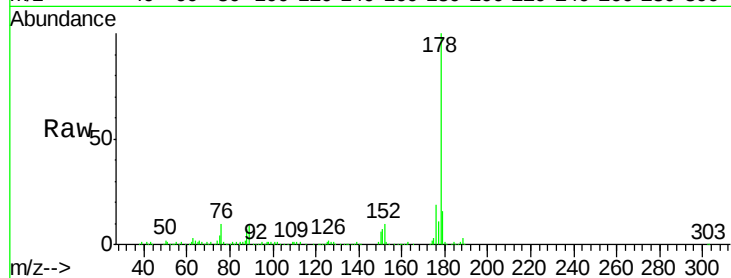
#70
Phenanthrene
Concen: 10.778 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6

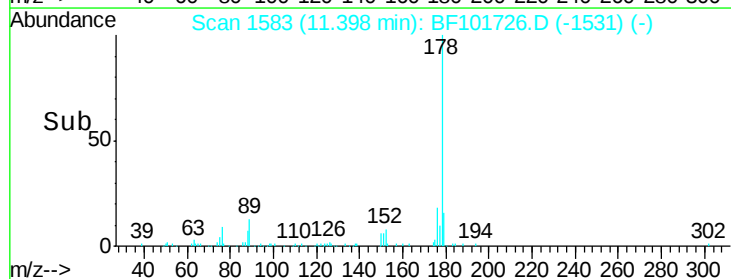
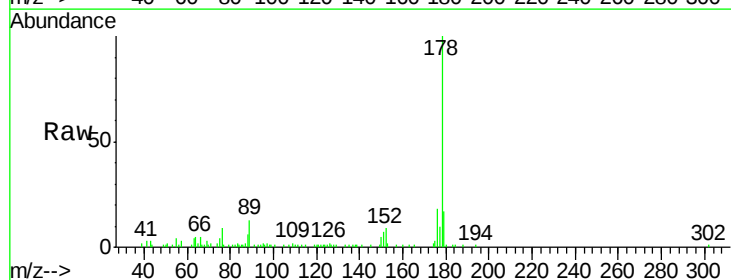
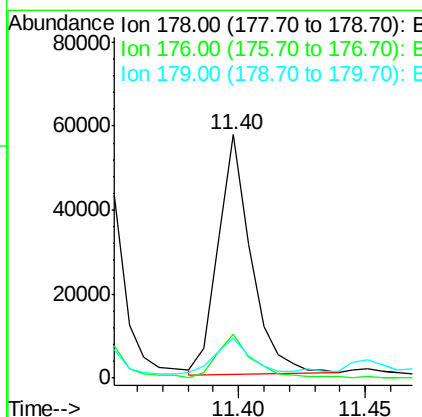
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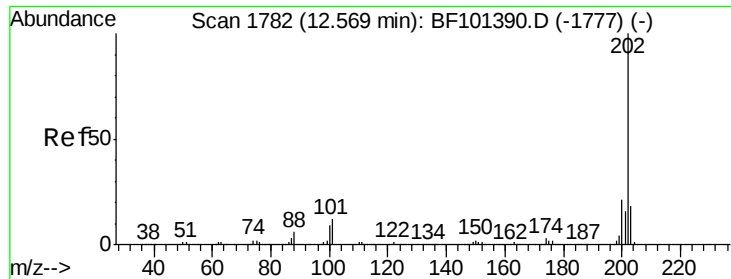
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#71
Anthracene
Concen: 3.229 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.6	12.6	19.0





#74

Fluoranthene

Concen: 23.603 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

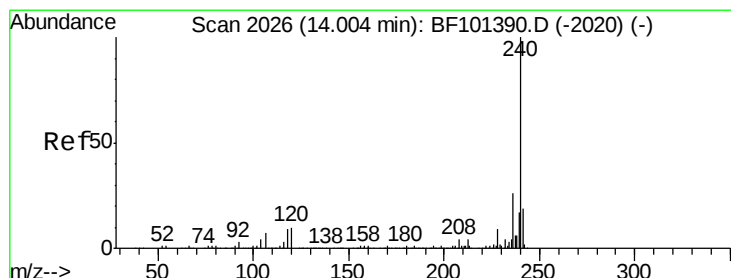
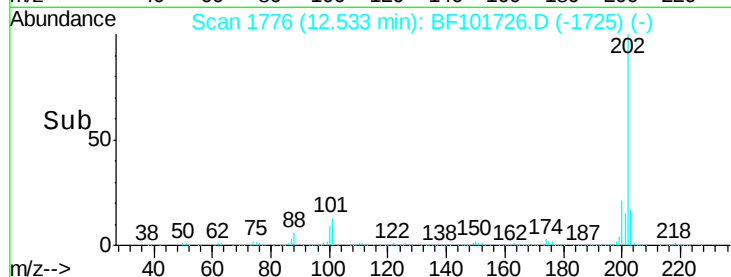
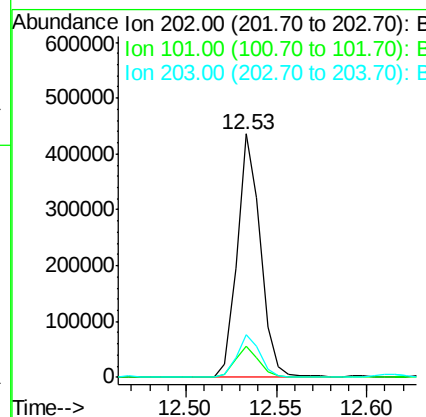
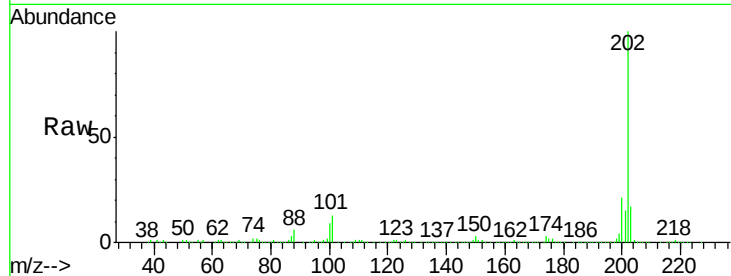
ClientSampled :

72-11938

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	388882		
101	12.7	0.0	34.1	
203	17.3	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

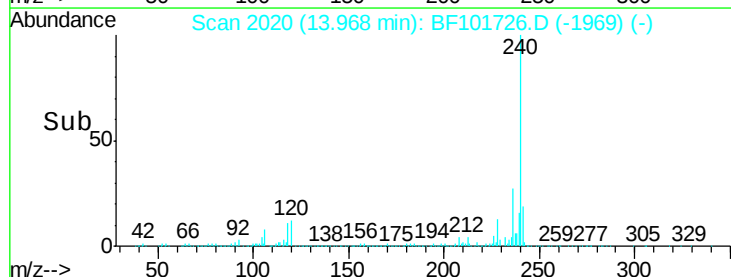
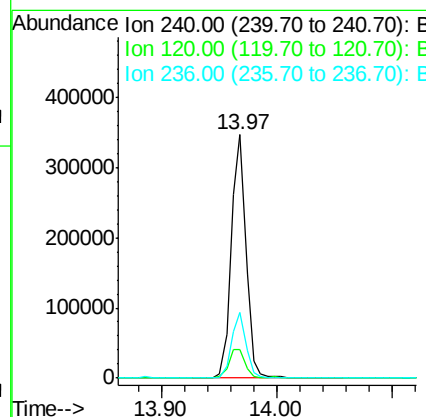
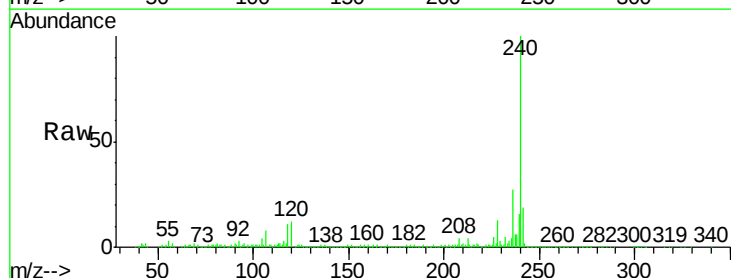
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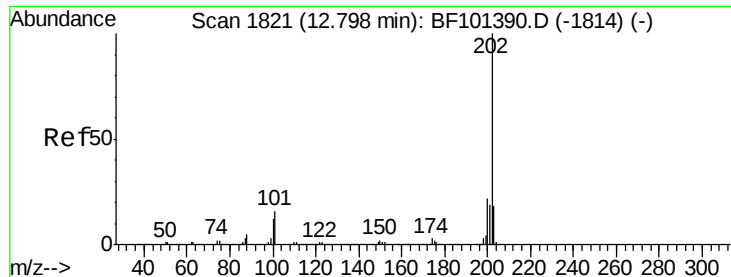
Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	304686		
120	11.8	9.5	14.3	
236	26.8	20.7	31.1	





#77

Pyrene

Concen: 16.222 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

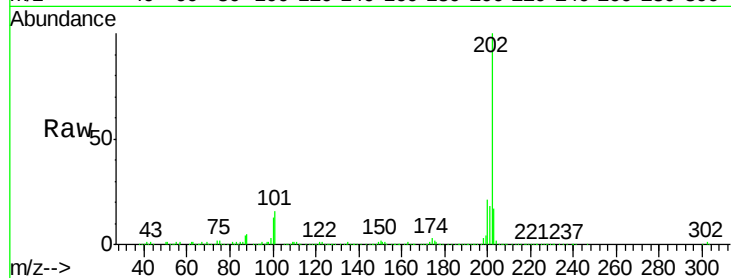
ClientSampleId :

72-11938

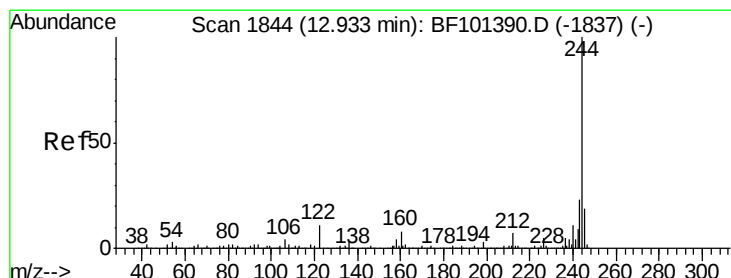
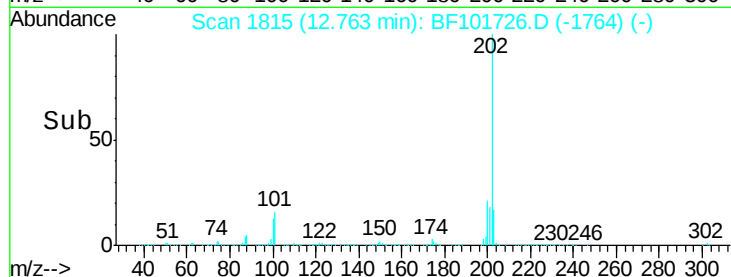
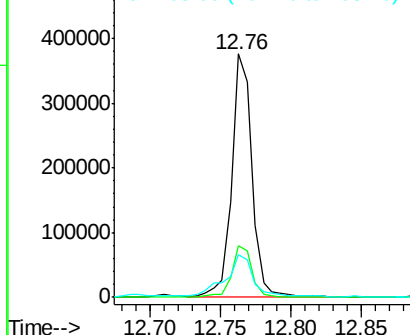
Tgt	Ion:202	Resp:	370935
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5

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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: 42.042 ng

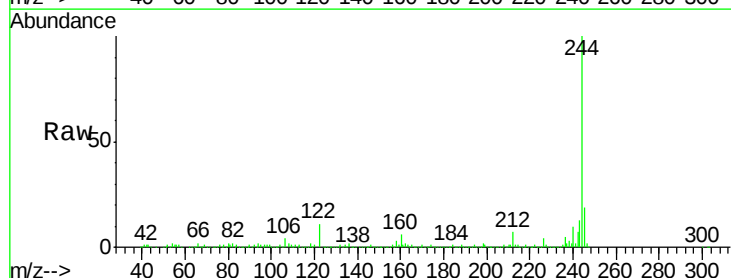
RT: 12.90 min Scan# 1838

Delta R.T. -0.00 min

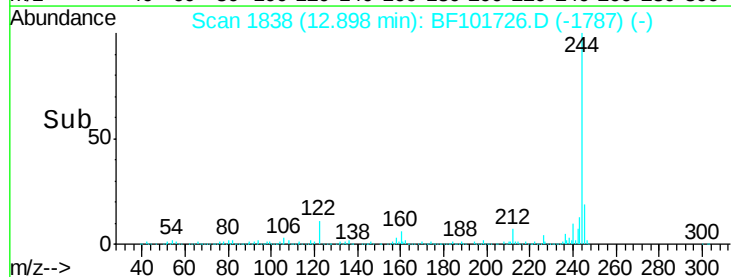
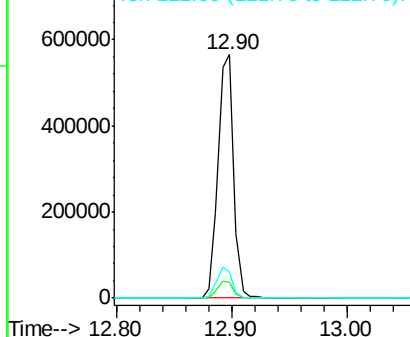
Lab File: BF101726.D

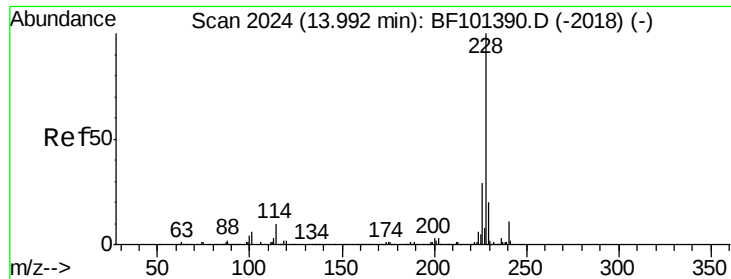
Acq: 26 Dec 2017 21:07

Tgt	Ion:244	Resp:	531346
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.8	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





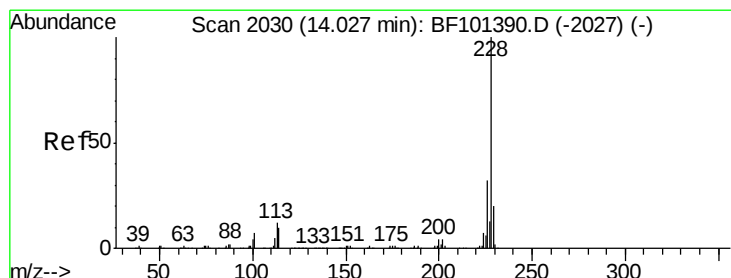
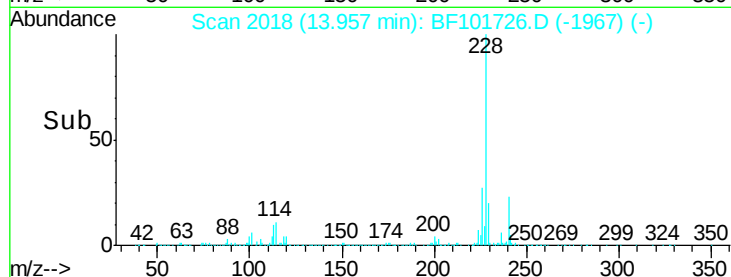
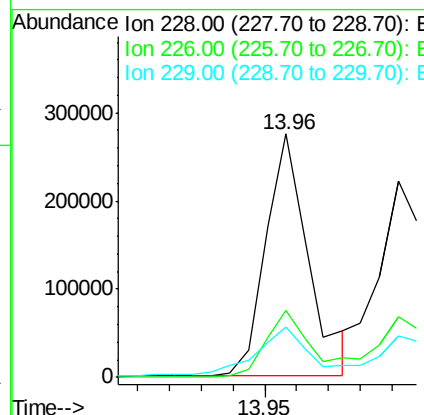
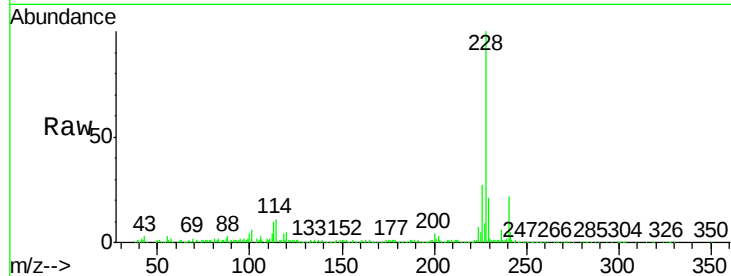
#80
Benzo(a)anthracene
Concen: 12.790 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	257312		
226	27.5	22.6	33.8	
229	20.8	15.8	23.6	

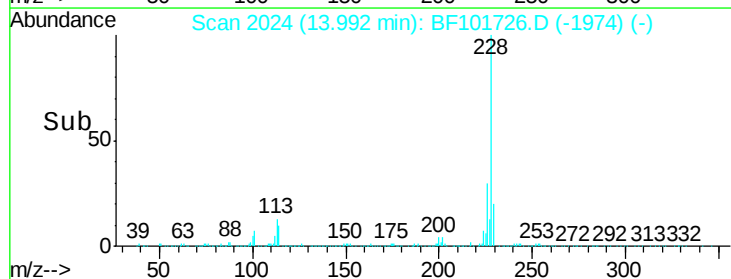
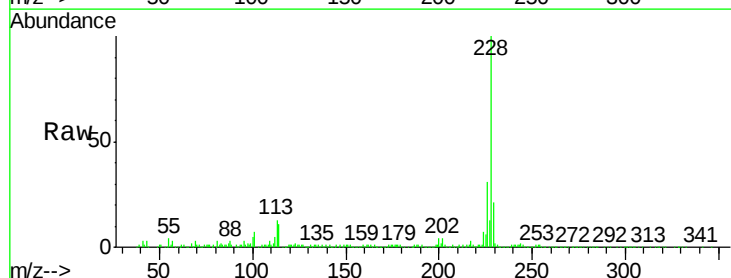
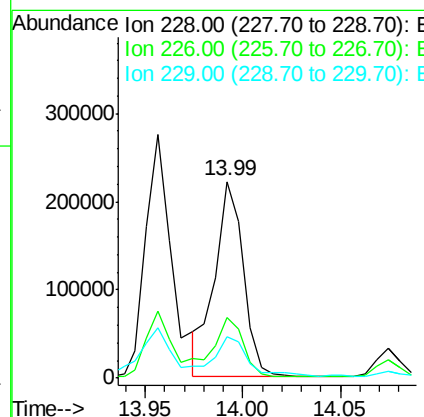
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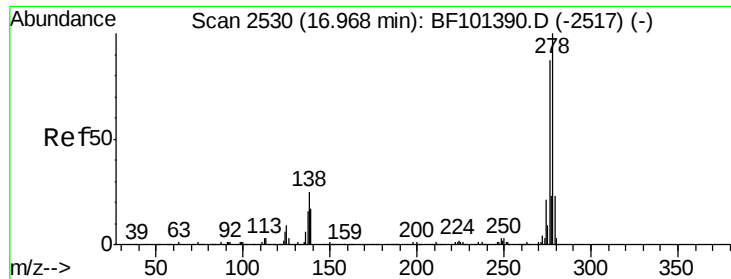
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#82
Chrysene
Concen: 11.904 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	226119		
226	30.9	25.0	37.6	
229	20.9	16.2	24.4	





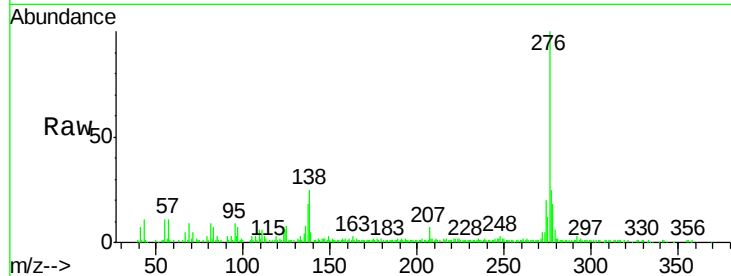
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.818 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

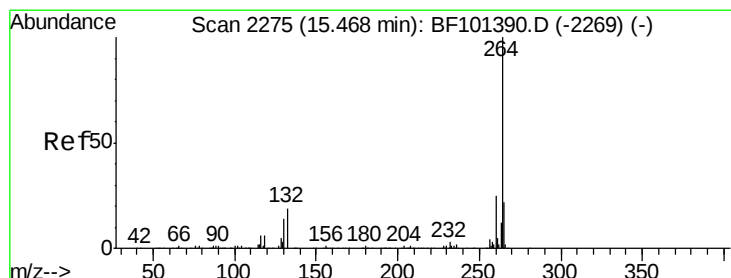
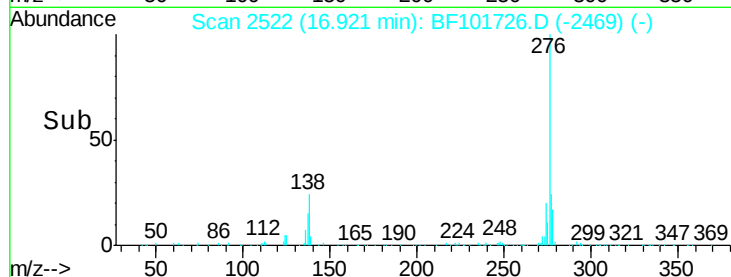
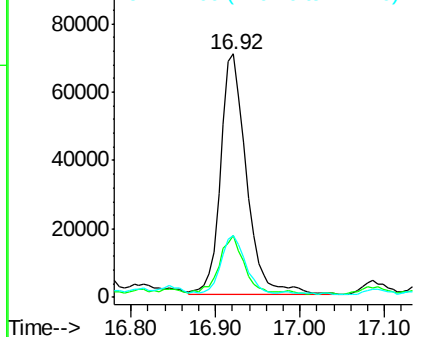
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	149159		
138	21.6	25.0	37.6#	
277	23.0	20.1	30.1	

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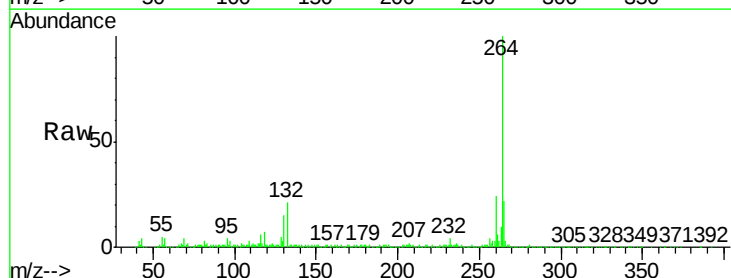


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

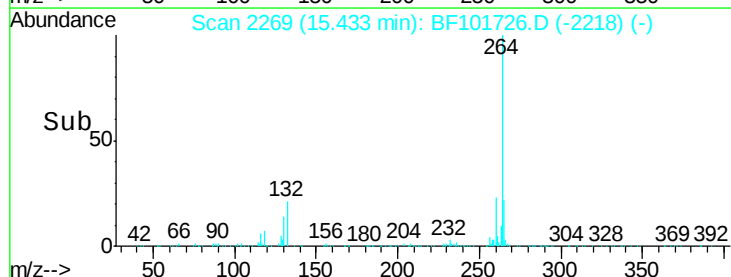
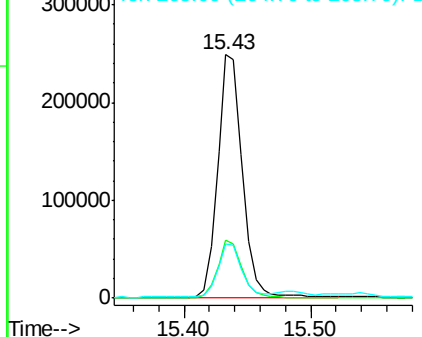


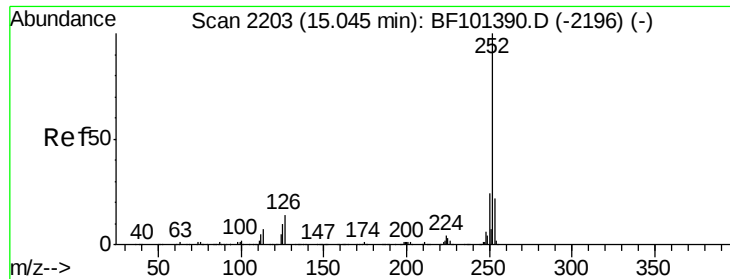
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: BF101726.D
 Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	334653		
260	23.8	19.2	28.8	
265	22.3	17.5	26.3	



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.790 ng m

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

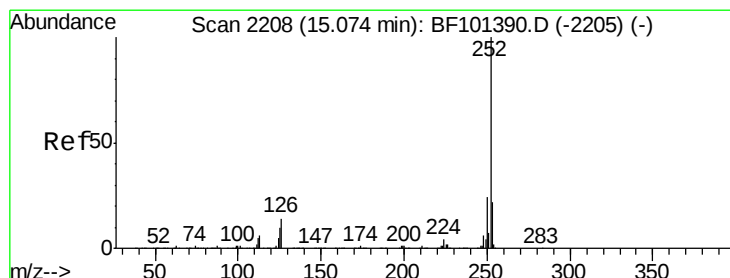
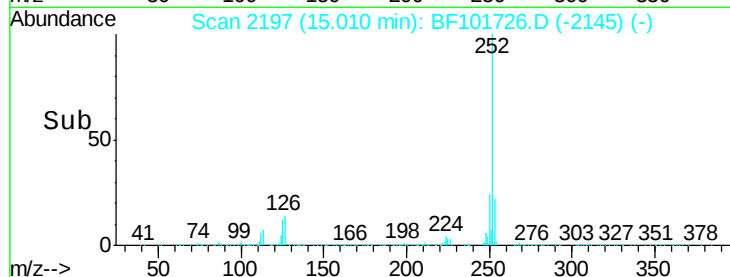
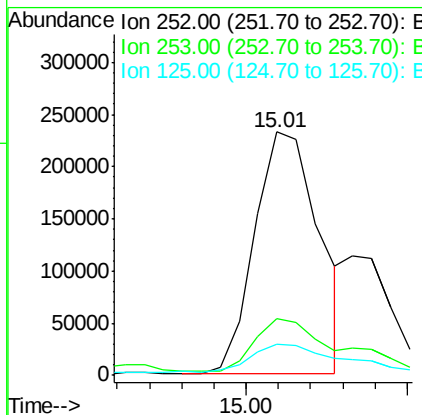
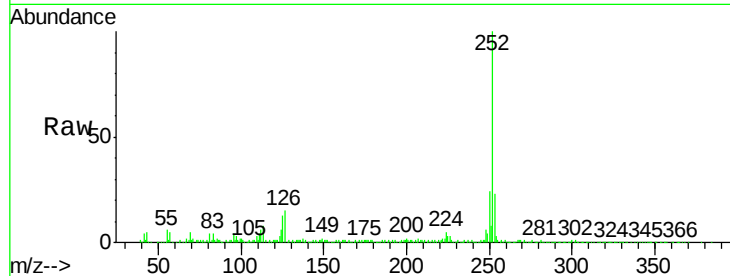
ClientSampleId :

72-11938

Tgt Ion:	252	Resp:	322090
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	13.0	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 5.700 ng m

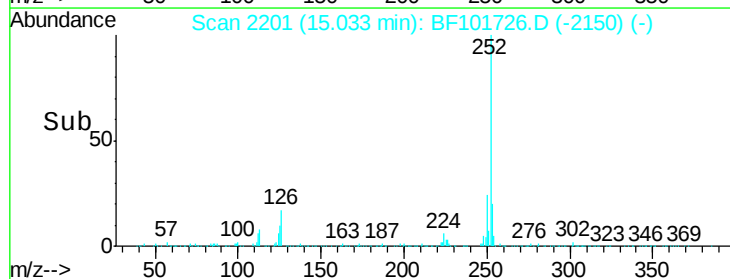
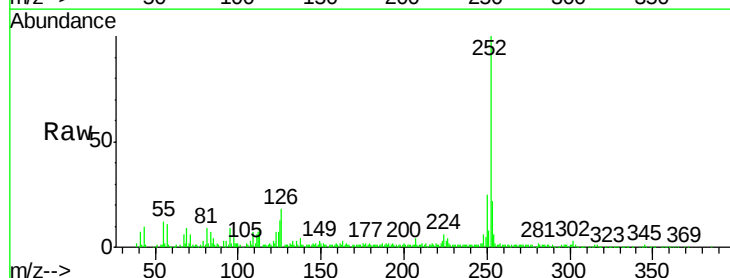
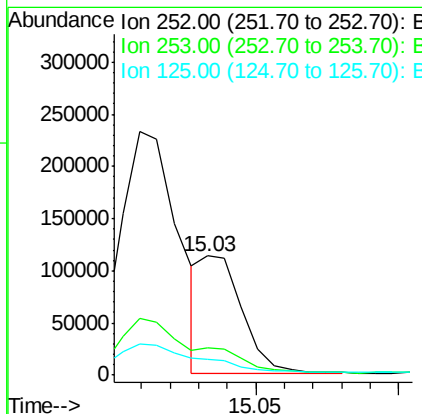
RT: 15.03 min Scan# 2201

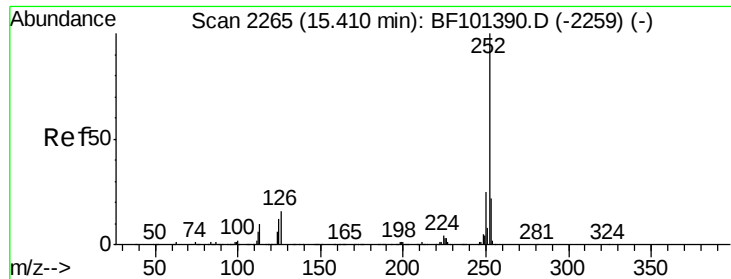
Delta R.T. -0.00 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Tgt Ion:	252	Resp:	113053
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	13.0	10.2	15.2





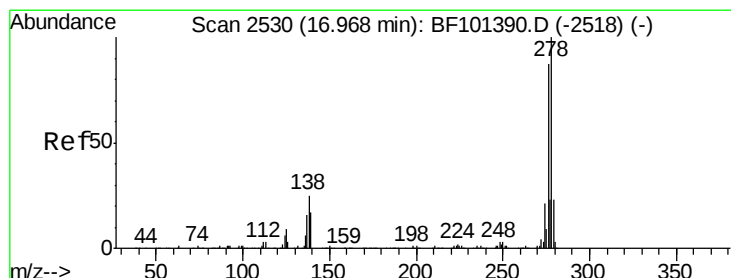
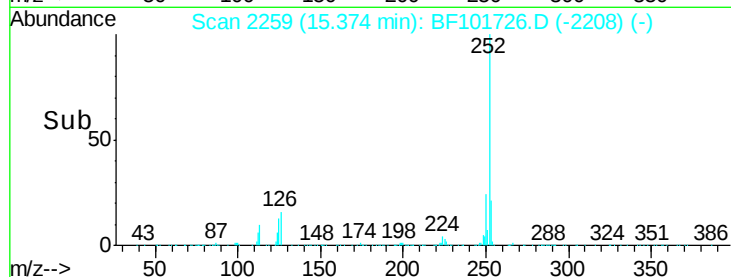
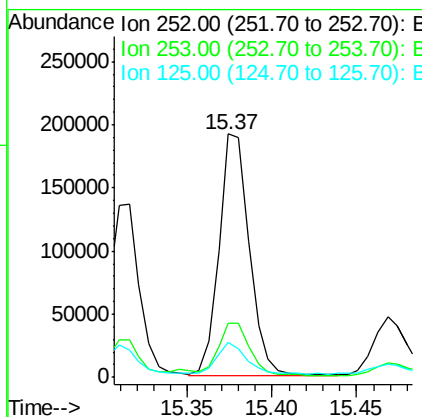
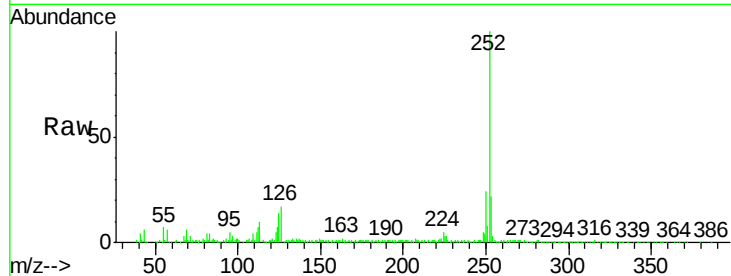
#89
Benzo(a)pyrene
Concen: 12.815 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Instrument :
BNA_F
ClientSampled :
72-11938

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.4	9.8	14.6

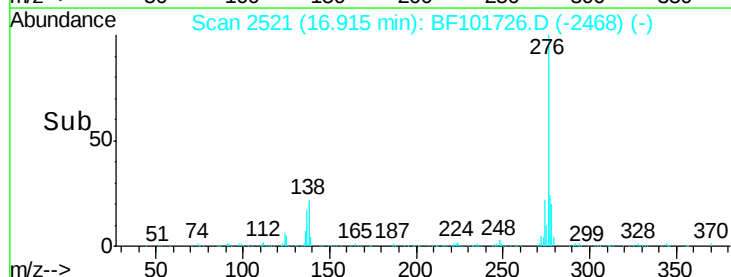
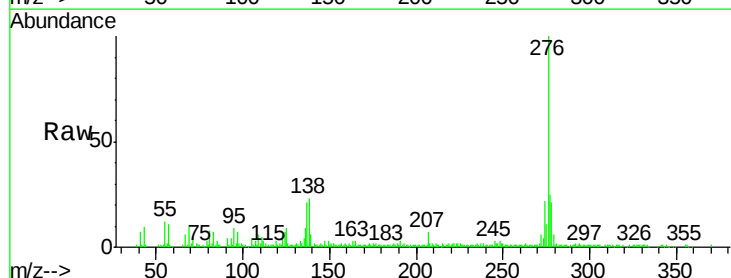
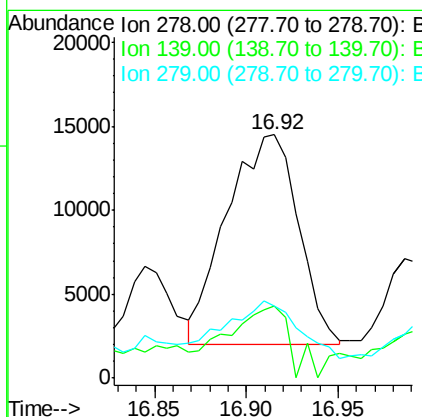
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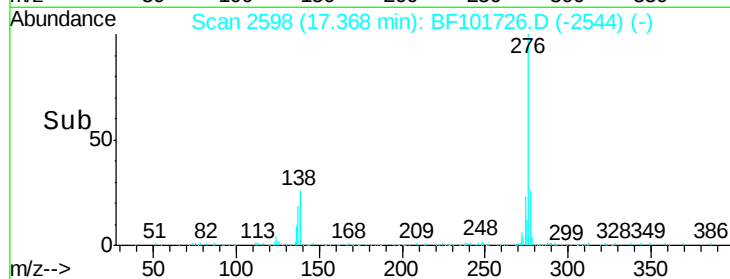
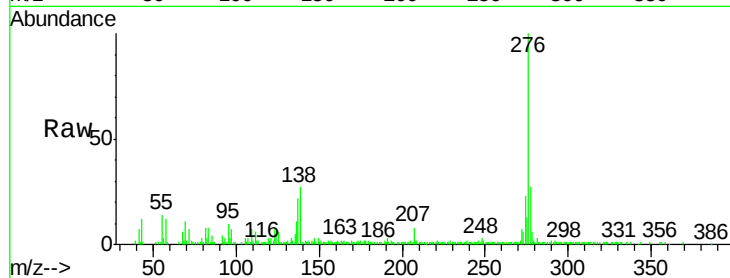
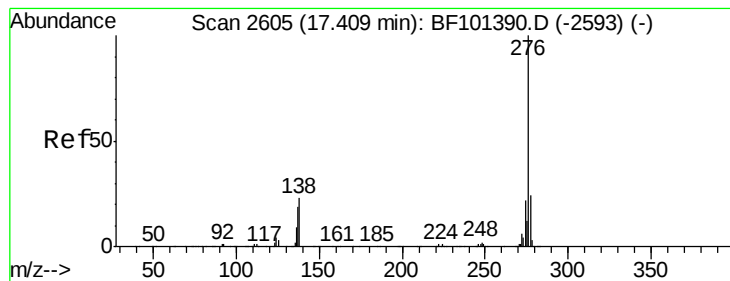
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#90
Dibenzo(a,h)anthracene
Concen: 2.086 ng m
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101726.D
Acq: 26 Dec 2017 21:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.5	15.9	23.9#
279	29.8	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 8.651 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.02 min

Lab File: BF101726.D

Acq: 26 Dec 2017 21:07

Instrument :

BNA_F

ClientSampleId :

72-11938

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	26.9	17.9	26.9#	
138	27.0	21.8	32.8	

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