

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101992.D
 Acq On : 10 Jan 2018 21:16
 Operator : SJ/JU
 Sample : J1076-09 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-42-02

Manual Integrations
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Sohil
 1/11/2018 10:53:01 AM

Quant Time: Jan 11 04:03:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 15:20:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	213474	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	891680	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	386137	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	645387	20.00	ng	0.00
75) Chrysene-d12	13.87	240	385265	20.00	ng	0.00
86) Perylene-d12	15.29	264	378781	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	5803	0.38	ng	0.00
7) Phenol-d6	6.35	99	7456	0.41	ng	0.00
23) Nitrobenzene-d5	7.28	82	3995	0.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	1152	0.34	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	8860	0.36	ng	-0.01
78) Terphenyl-d14	12.82	244	7975	0.43	ng	-0.01
Target Compounds						
31) Naphthalene	8.03	128	363134	8.150	ng	100
57) Fluorene	10.30	166	57367	2.372	ng	96
70) Phenanthrene	11.27	178	434429	11.524	ng	98
71) Anthracene	11.32	178	128057	3.349	ng	98
74) Fluoranthene	12.45	202	466323	12.572	ng	98
77) Pyrene	12.68	202	370395	10.876	ng	99
80) Benzo(a)anthracene	13.86	228	153890m	6.261	ng	
82) Chrysene	13.90	228	122940	4.796	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	69126	3.705	ng	97
87) Benzo(b)fluoranthene	14.89	252	149479m	6.052	ng	
89) Benzo(a)pyrene	15.23	252	107444	4.834	ng	98
91) Benzo(a,h,i)perylene	17.07	276	61491	3.442	ng	# 90

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

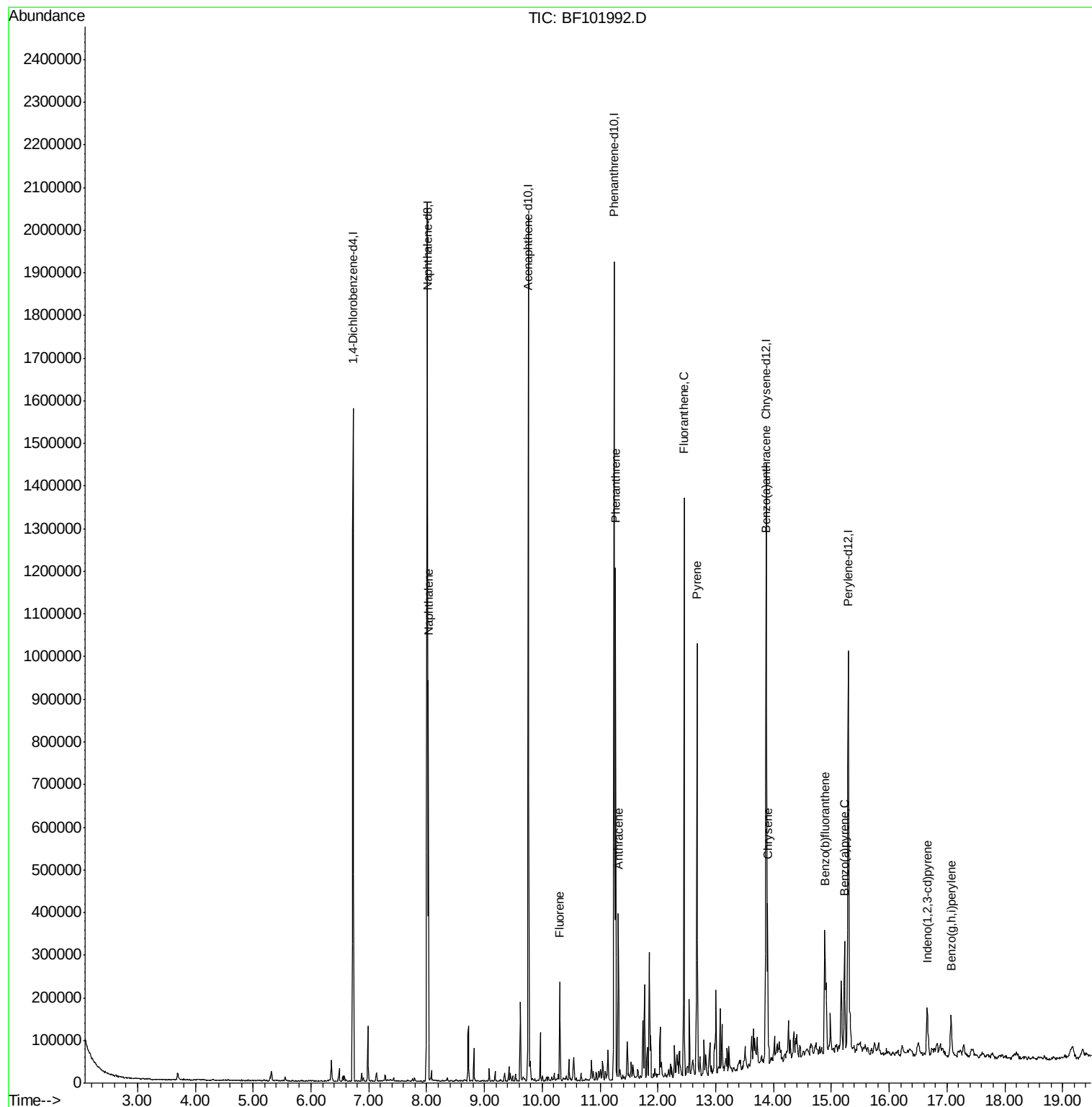
Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101992.D
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Operator : SJ/JU
Sample : J1076-09 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

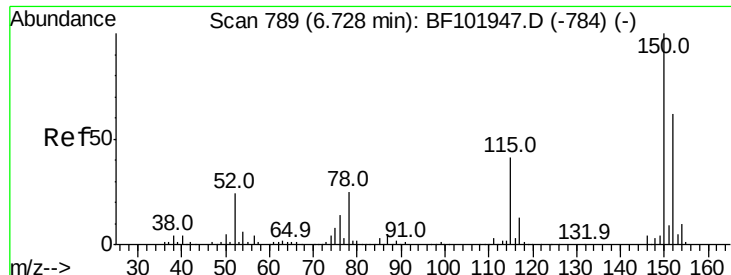
Instrument :
BNA_F
ClientSampleId :
WC-42-02

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#1

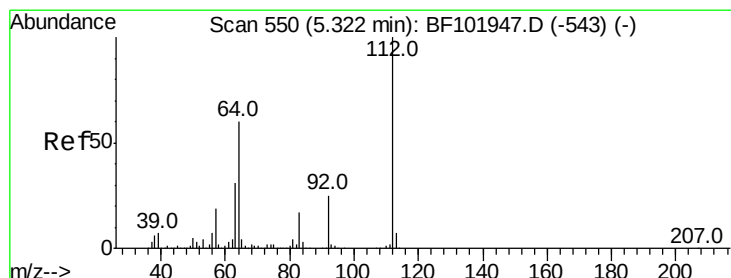
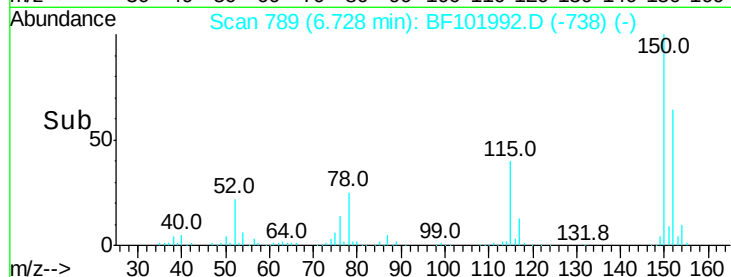
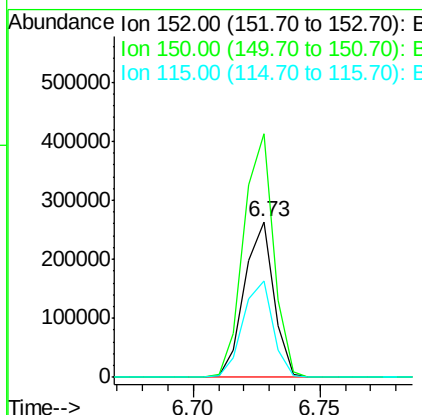
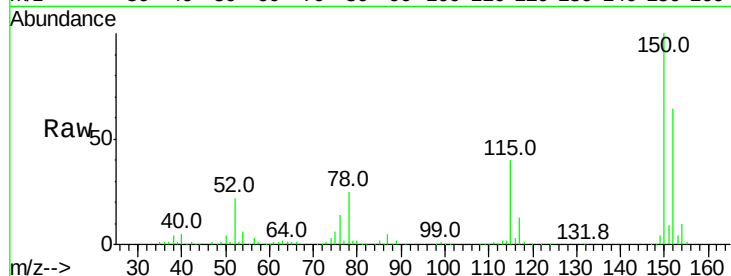
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampled :
WC-42-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	62.4	50.1	75.1

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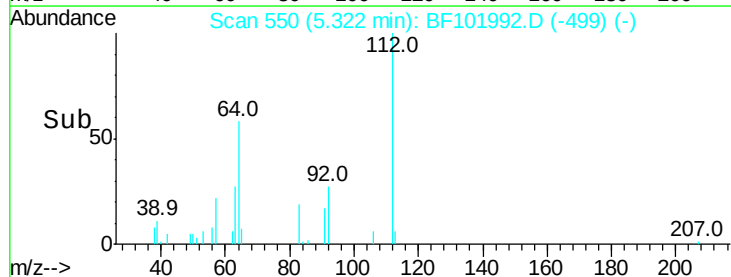
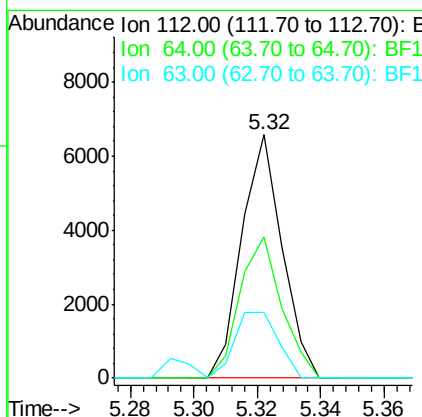
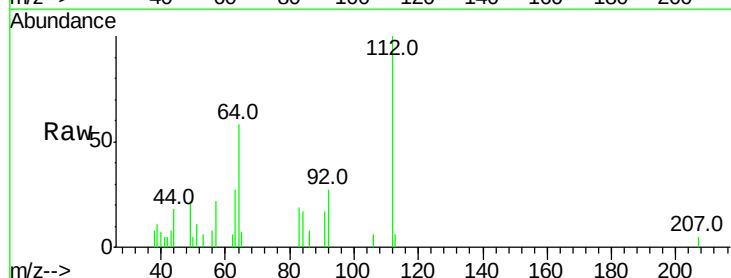
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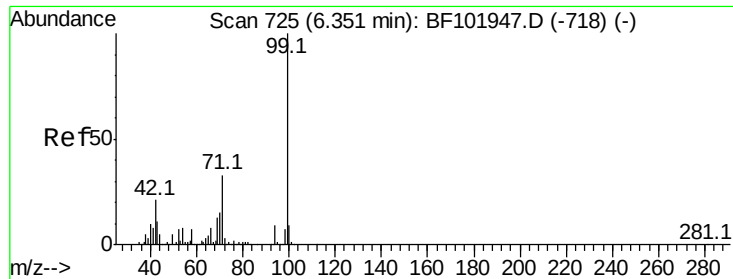


#5

2-Fluorophenol
Concen: 0.384 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	26.9	23.7	35.5





#7

Phenol-d6

Concen: 0.413 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF101992.D

Acq: 10 Jan 2018 21:16

Instrument :

BNA_F

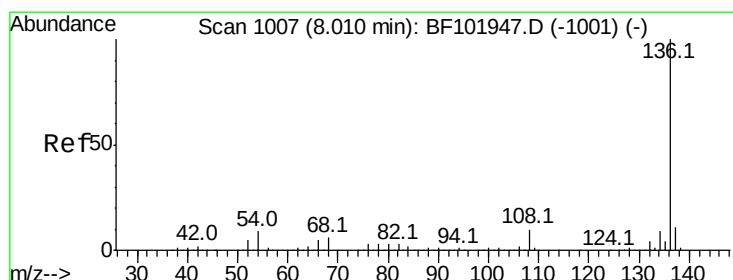
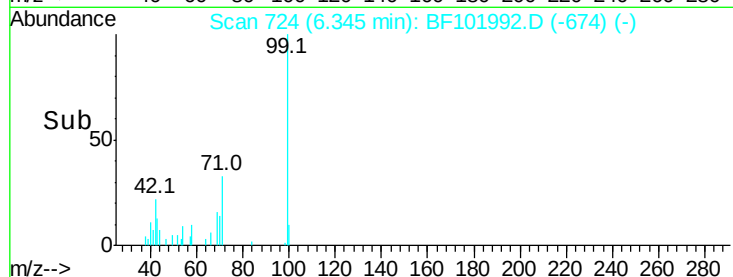
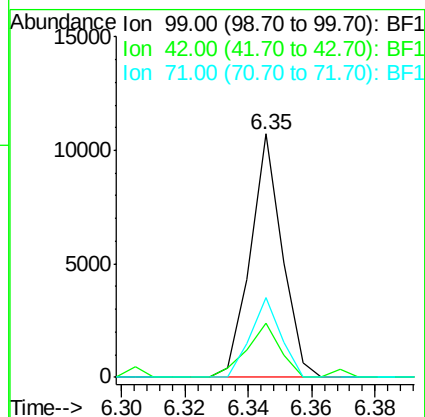
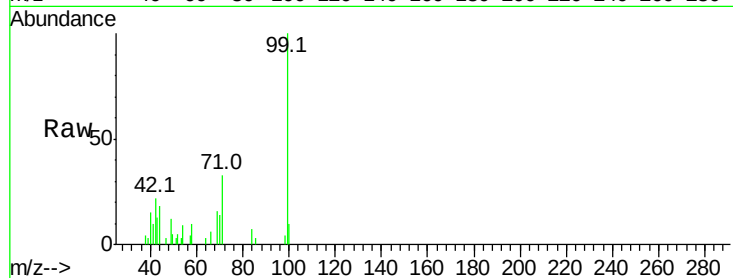
ClientSampleId :

WC-42-02

Tot Ion:	99	Resp:	7456
Ion Ratio	Lower	Upper	
99	100		
42	22.4	14.5	21.7#
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

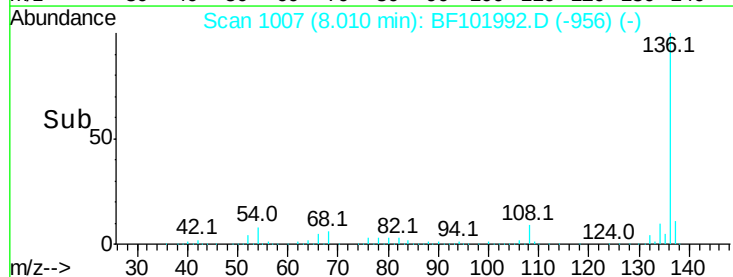
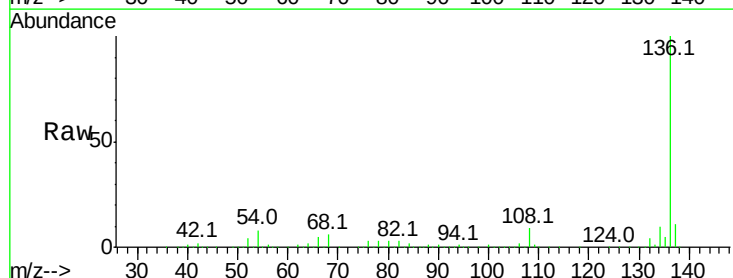
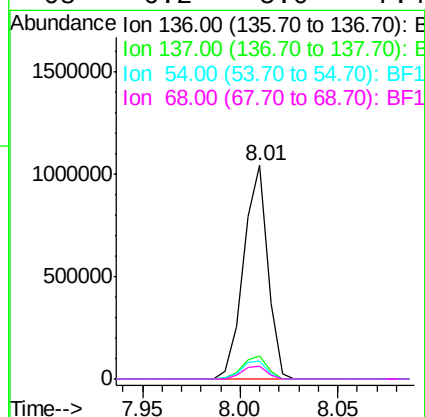
RT: 8.01 min Scan# 1007

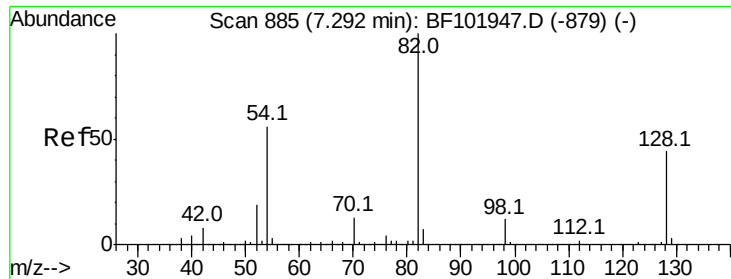
Delta R.T. -0.00 min

Lab File: BF101992.D

Acq: 10 Jan 2018 21:16

Tgt Ion:	136	Resp:	891680
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.3	6.6	9.8
68	6.2	5.0	7.4





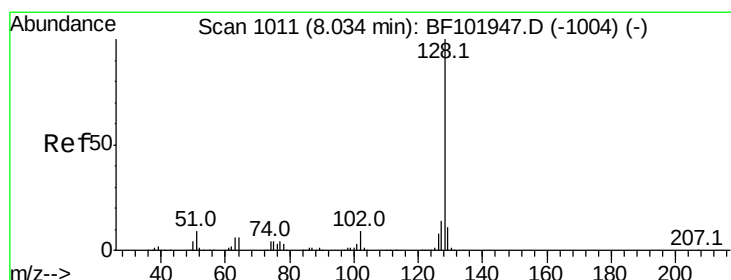
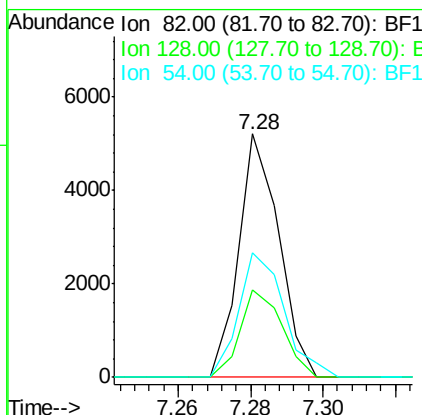
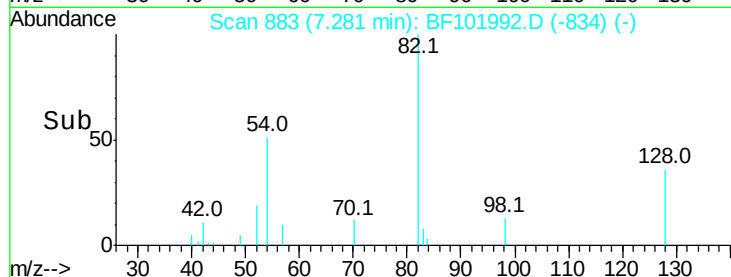
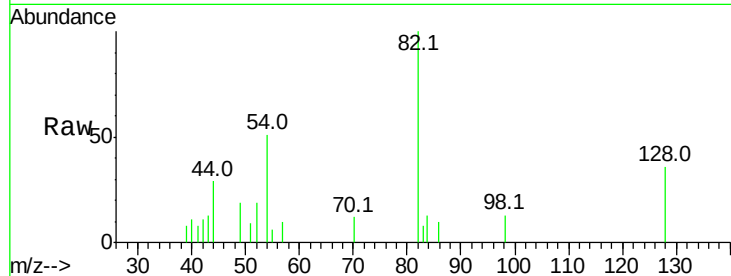
#23
Nitrobenzene-d5
Concen: 0.263 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampled :
WC-42-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.8	36.1	54.1#
54	51.0	41.4	62.2

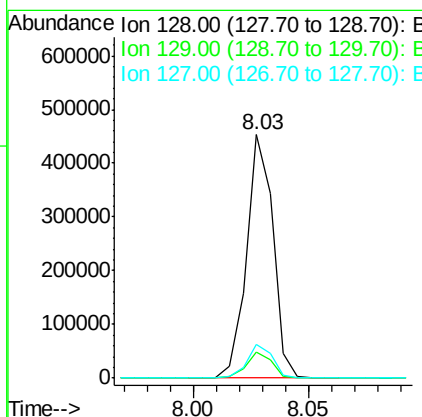
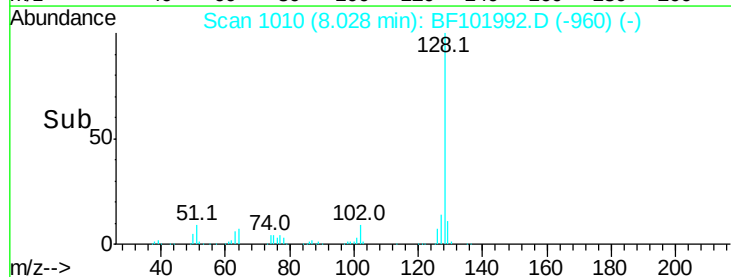
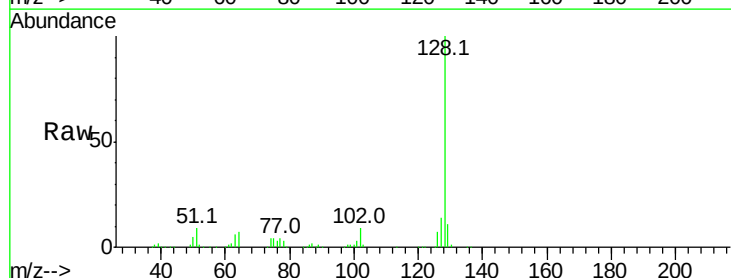
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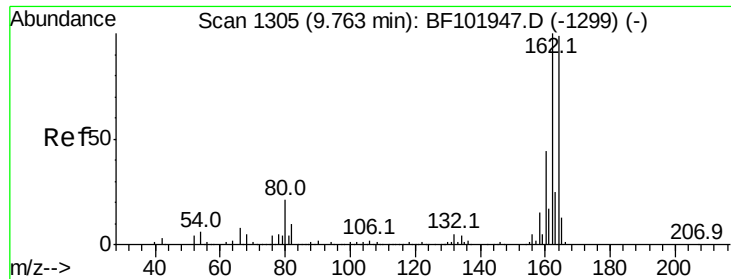
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#31
Naphthalene
Concen: 8.150 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.6	10.9	16.3





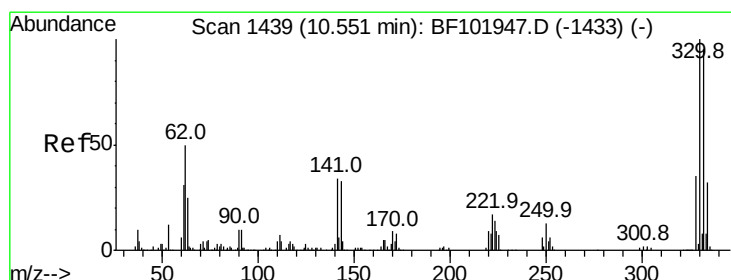
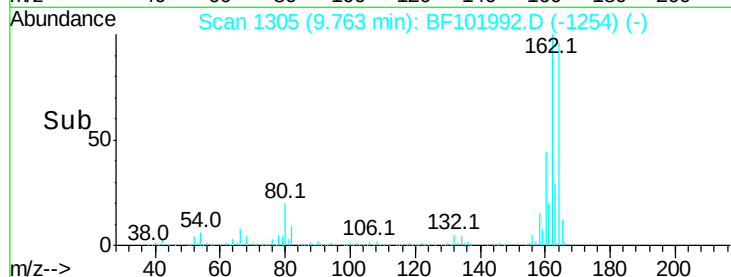
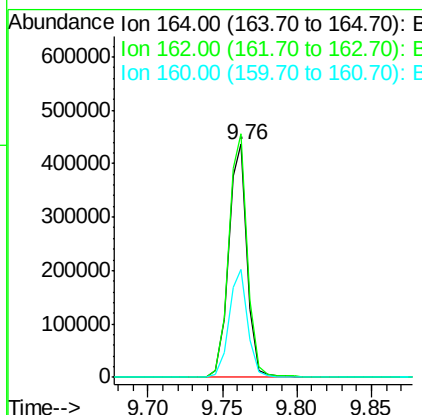
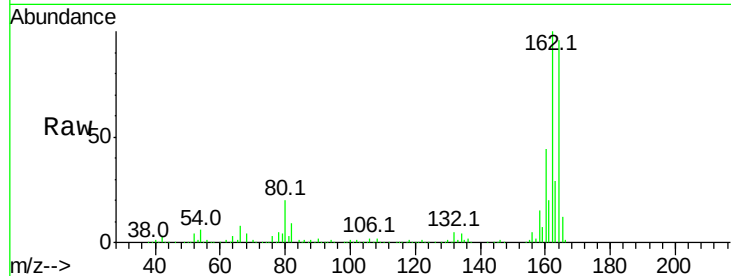
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
WC-42-02

Tot Ion	Ratio	Resp	Lower	Upper
164	100	386137		
162	104.4	86.1	129.1	
160	46.3	38.3	57.5	

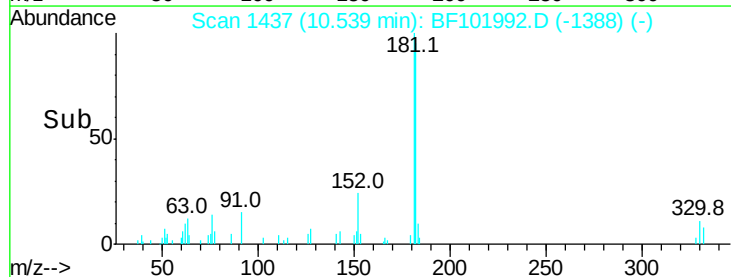
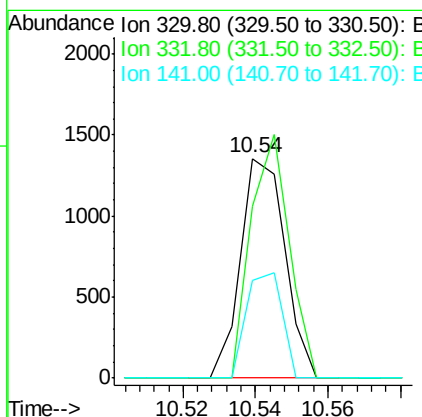
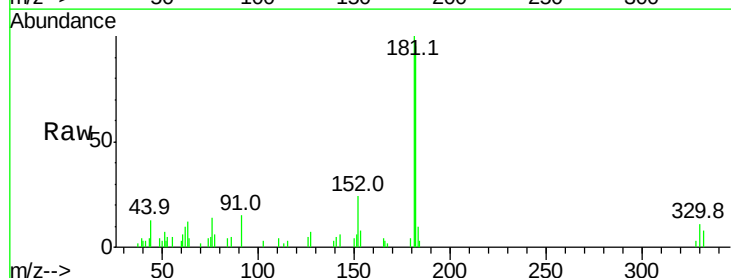
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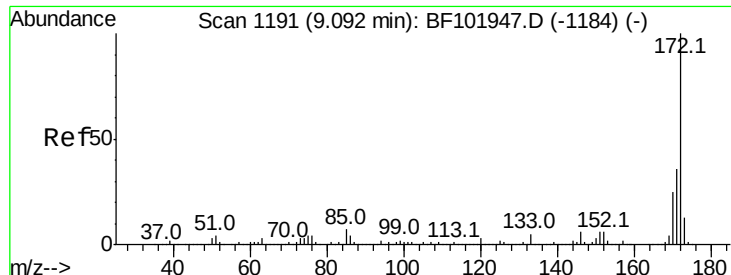
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#41
2,4,6-Tribromophenol
Concen: 0.342 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1152		
332	95.2	77.0	115.6	
141	38.5	29.9	44.9	





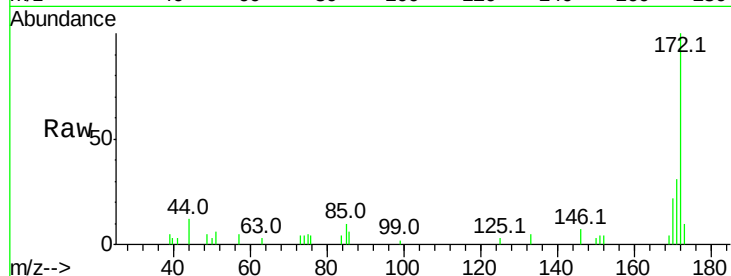
#44
2-Fluorobiphenyl
Concen: 0.358 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
WC-42-02

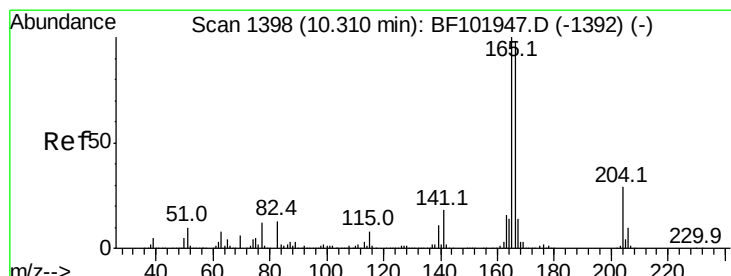
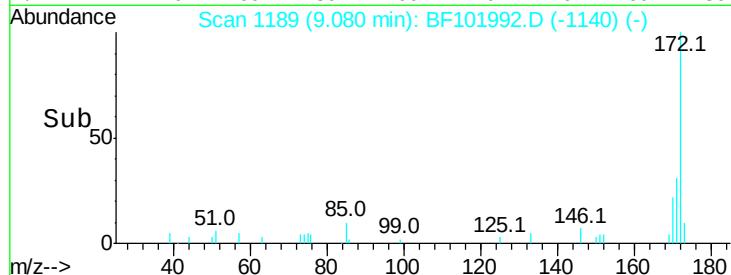
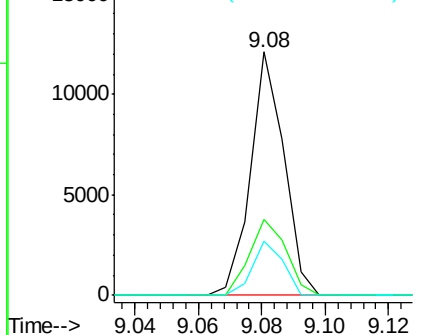
Tot Ion	Ratio	Lower	Upper
172	100		
171	31.2	29.7	44.5
170	22.1	19.6	29.4

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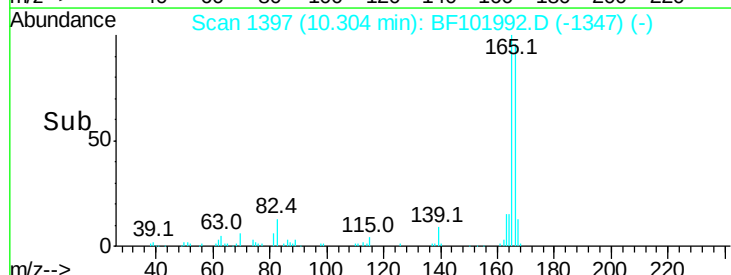
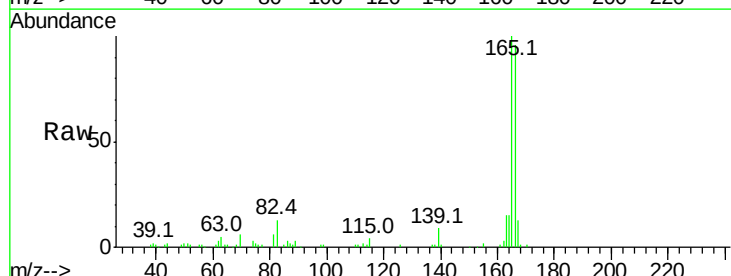
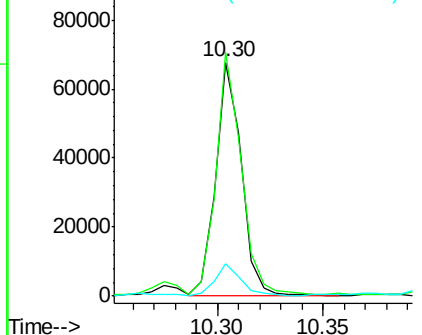
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

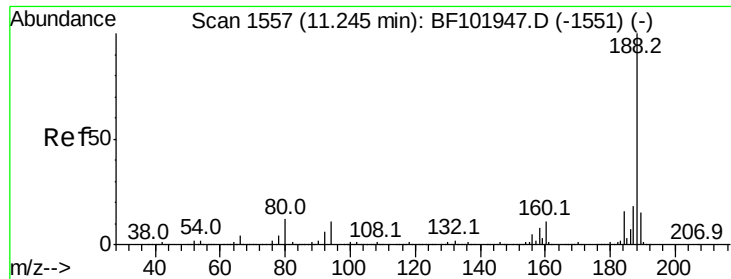


#57
Fluorene
Concen: 2.372 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.2	79.8	119.8
167	13.6	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





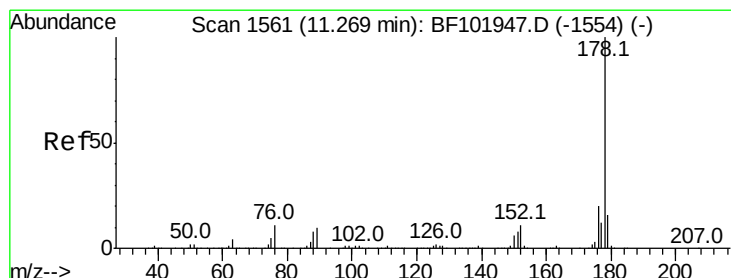
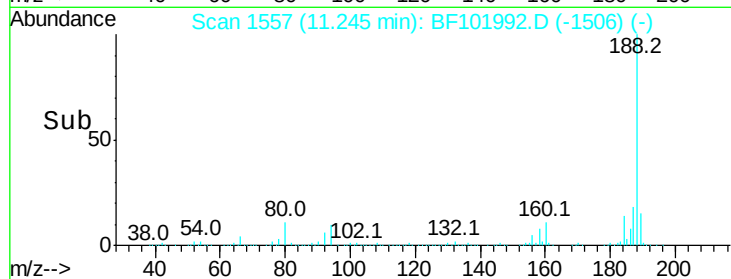
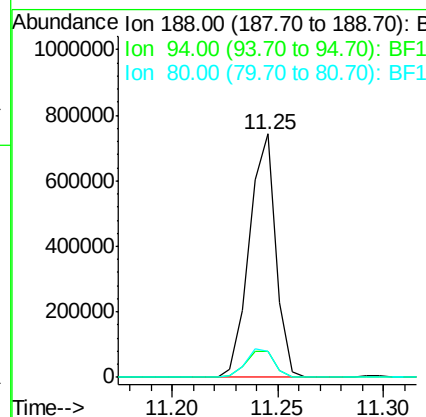
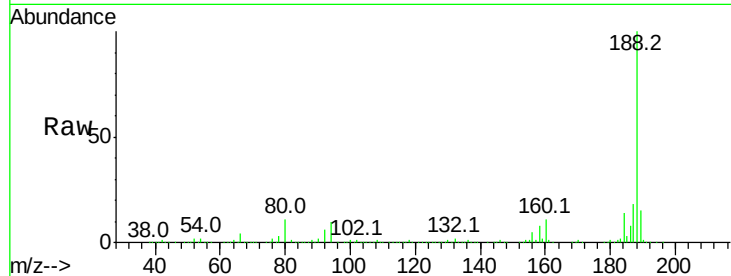
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
WC-42-02

Tot Ion	Ratio	Resp	Lower	Upper
188	100	645387		
94	10.5		8.5	12.7
80	10.9		9.2	13.8

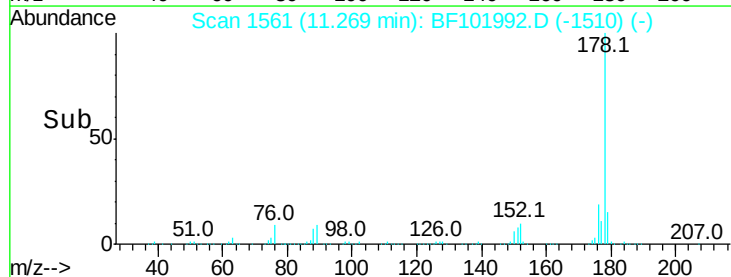
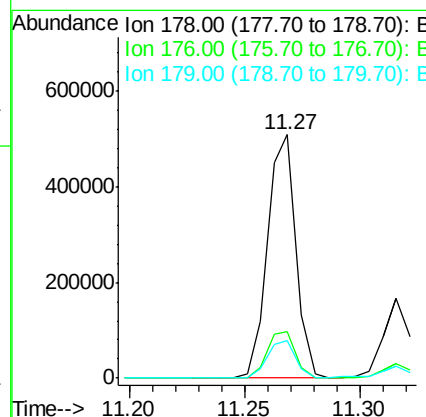
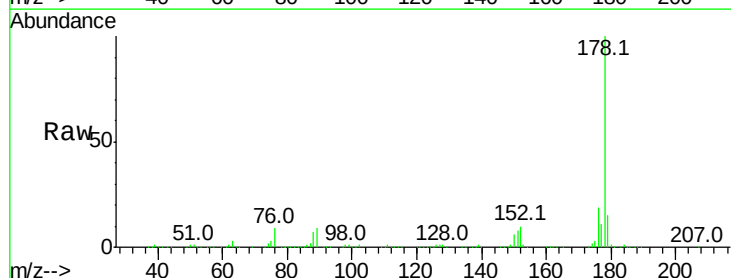
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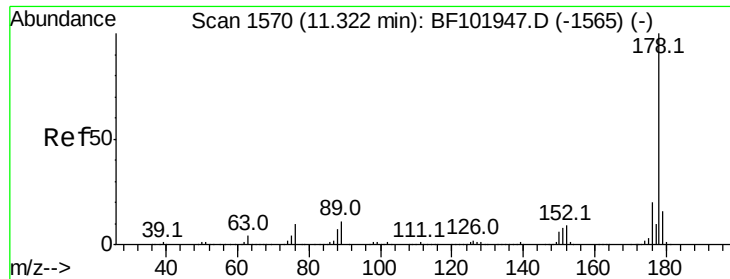
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#70
Phenanthrene
Concen: 11.524 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	434429		
176	19.2		15.8	23.8
179	15.4		13.0	19.6





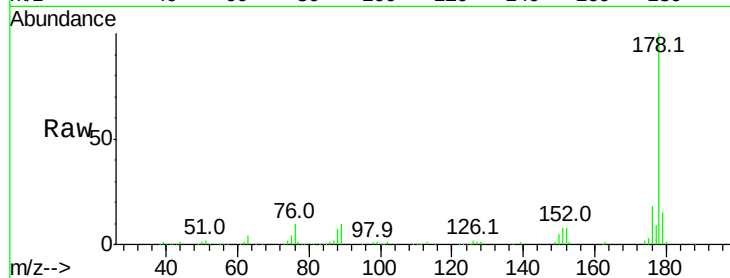
#71
 Anthracene
 Concen: 3.349 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF101992.D
 Acq: 10 Jan 2018 21:16

Instrument :
 BNA_F
 ClientSampleId :
 WC-42-02

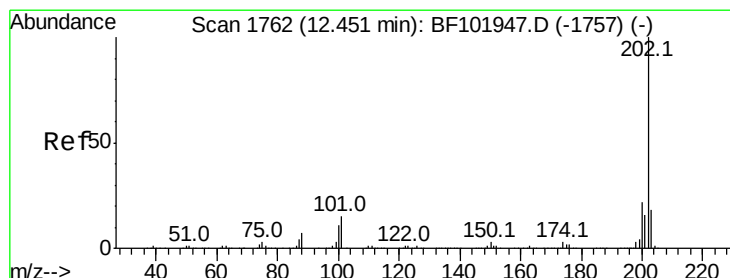
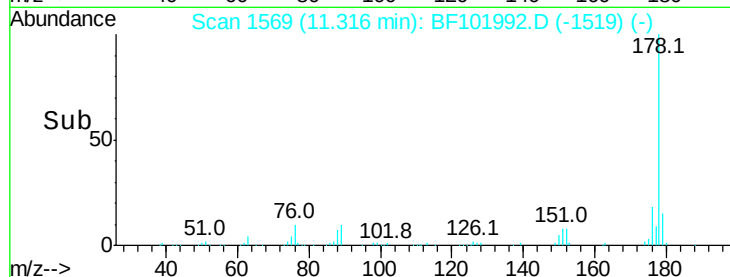
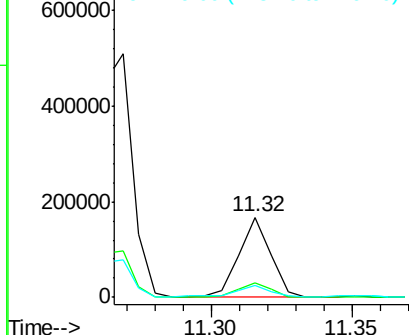
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.0	12.6	19.0

Manual Integrations
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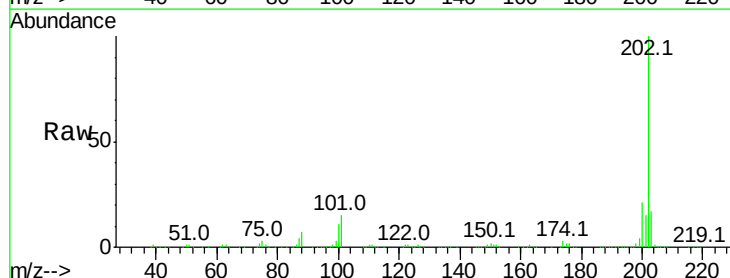


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

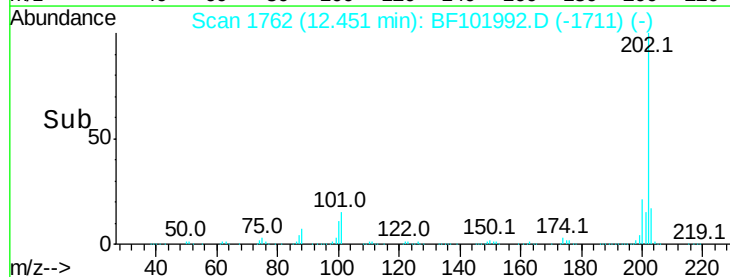
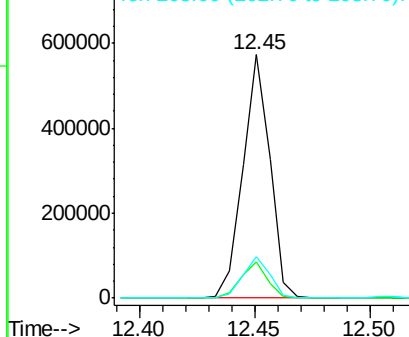


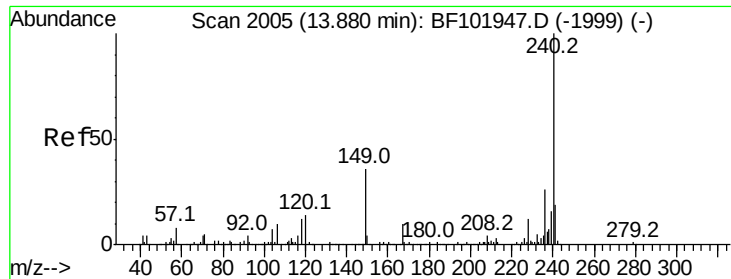
#74
 Fluoranthene
 Concen: 12.572 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: BF101992.D
 Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.1
203	17.2	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# 2004

Delta R.T. -0.01 min

Lab File: BF101992.D

Acq: 10 Jan 2018 21:16

Instrument :

BNA_F

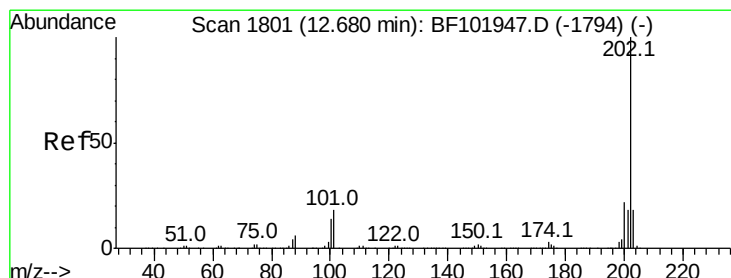
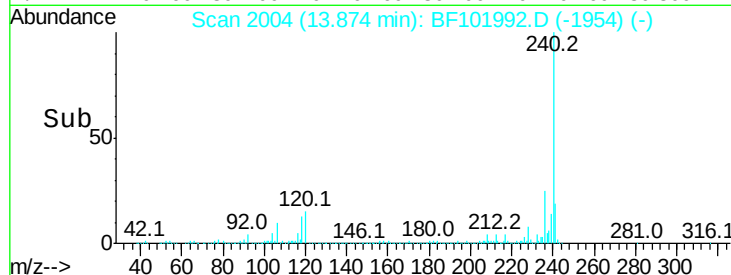
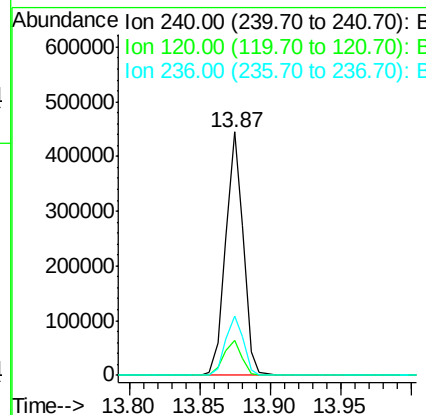
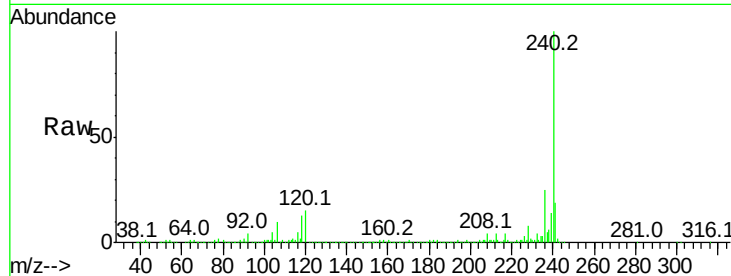
ClientSampleId :

WC-42-02

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.6	9.5	14.3#	
236	24.5	20.7	31.1	

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#77

Pyrene

Concen: 10.876 ng

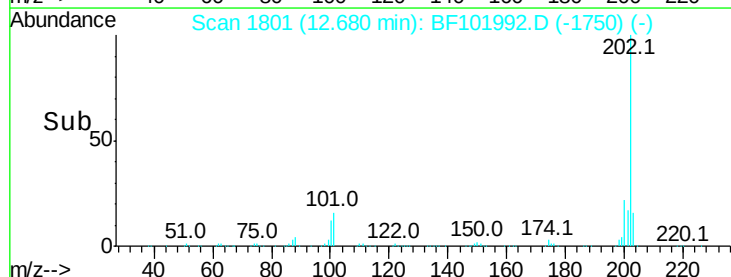
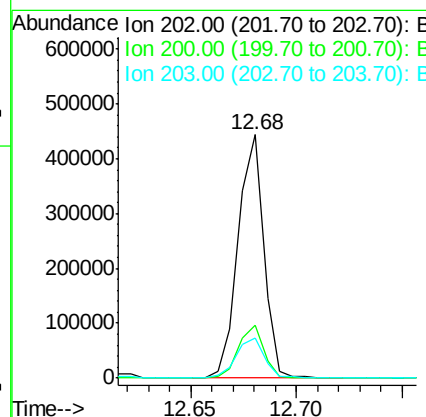
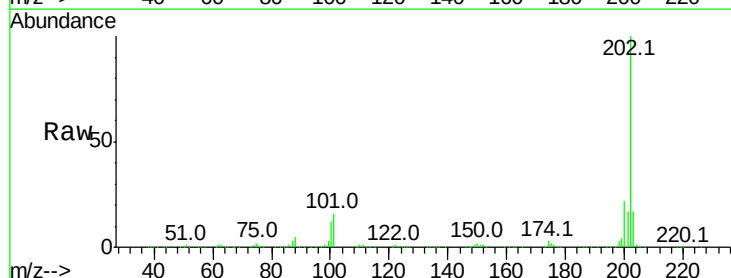
RT: 12.68 min Scan# 1801

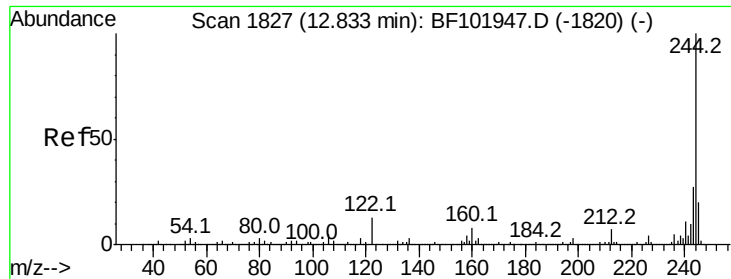
Delta R.T. -0.00 min

Lab File: BF101992.D

Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.7	17.4	26.2	
203	16.6	14.3	21.5	





#78

Terphenyl-d14

Concen: 0.430 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF101992.D

Acq: 10 Jan 2018 21:16

Instrument :

BNA_F

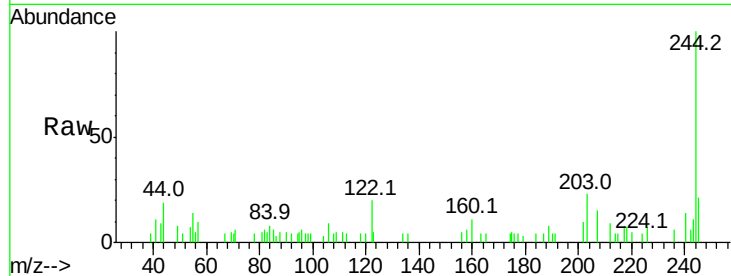
ClientSampleId :

WC-42-02

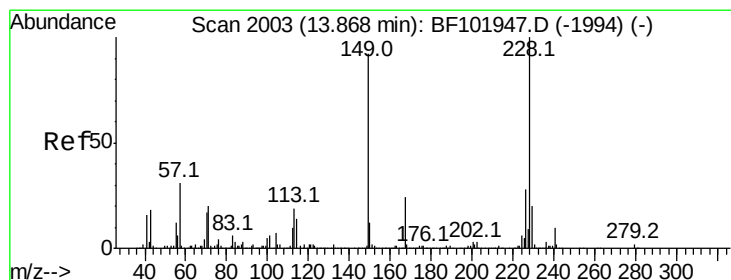
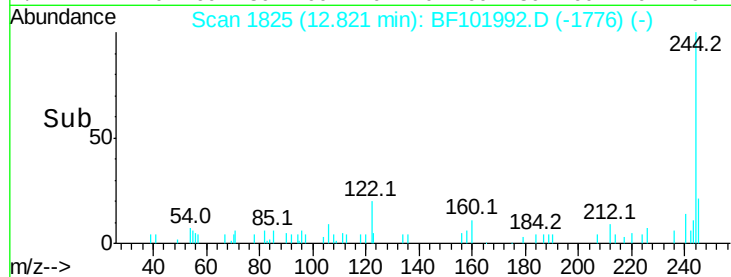
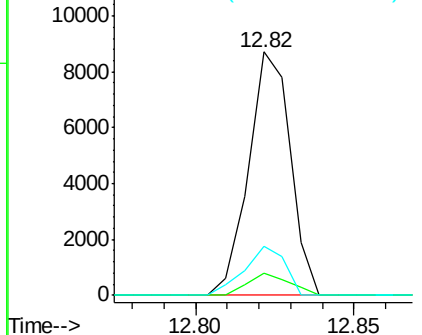
Tot Ion:	244	Resp:	7975
Ion Ratio	Lower	Upper	
244	100		
212	8.9	5.4	8.0#
122	25.1	11.0	16.4#

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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: 6.261 ng m

RT: 13.86 min Scan# 2002

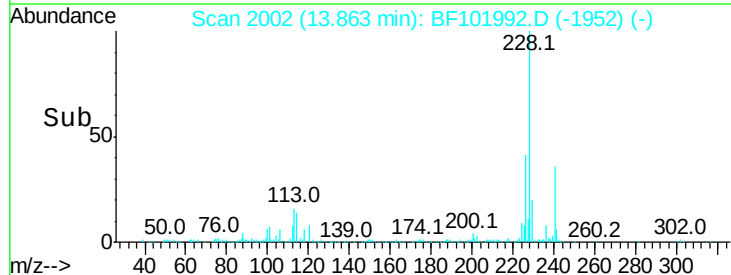
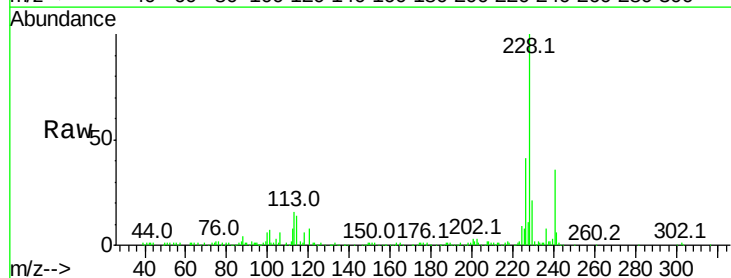
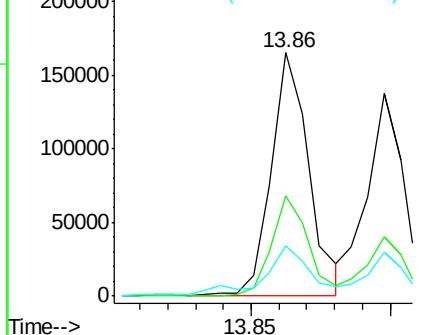
Delta R.T. -0.01 min

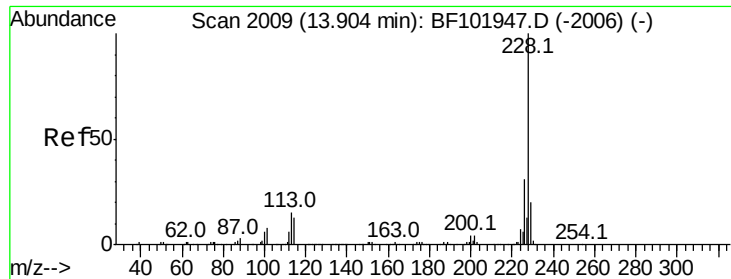
Lab File: BF101992.D

Acq: 10 Jan 2018 21:16

Tgt Ion:	228	Resp:	153890
Ion Ratio	Lower	Upper	
228	100		
226	41.1	22.6	33.8#
229	20.5	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





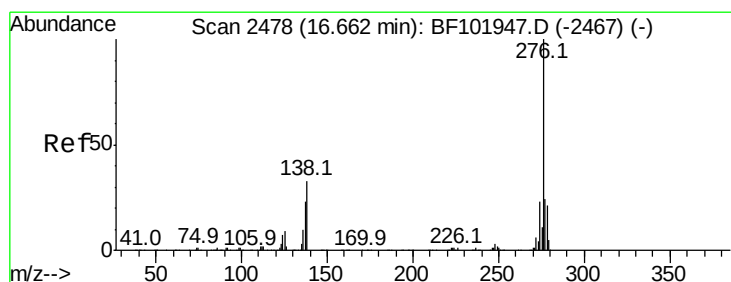
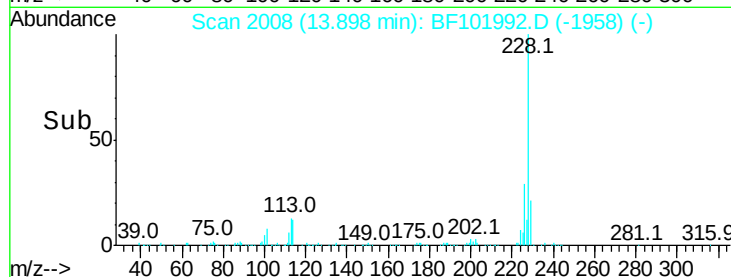
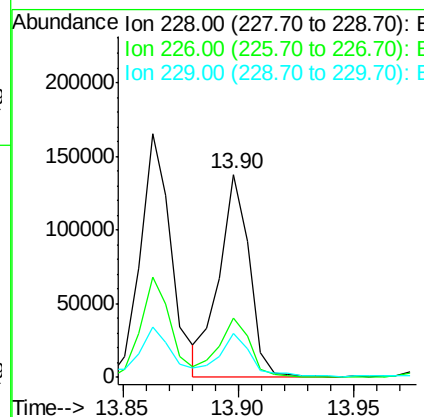
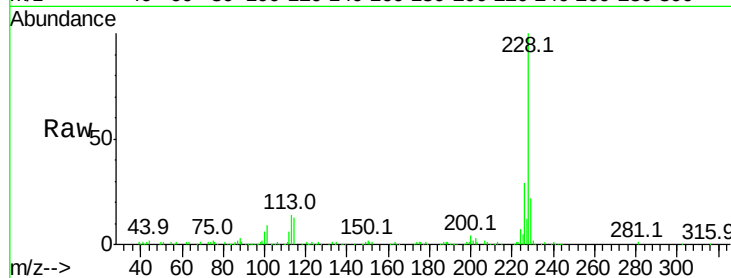
#82
Chrysene
Concen: 4.796 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
WC-42-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	21.6	16.2	24.4

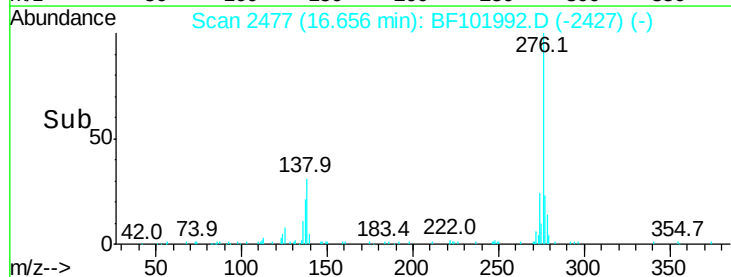
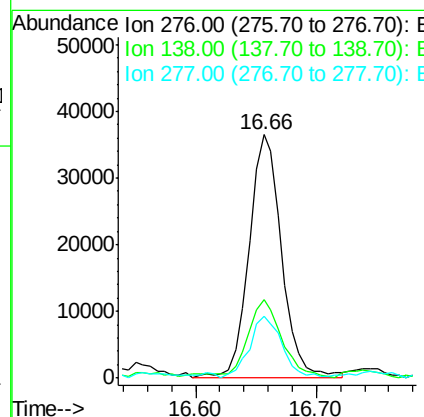
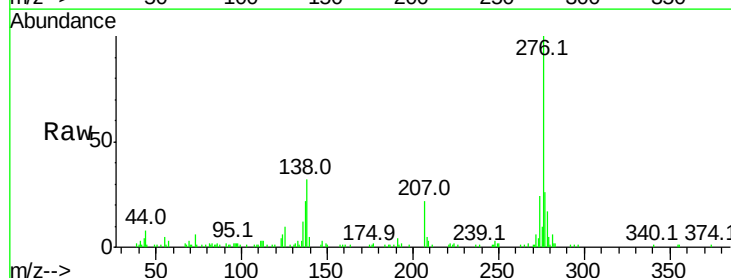
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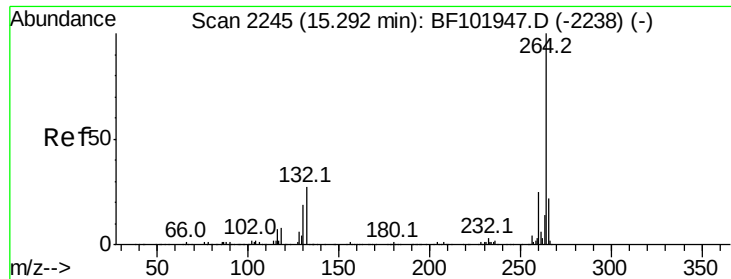
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.705 ng
RT: 16.66 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.7	25.0	37.6
277	25.5	20.1	30.1





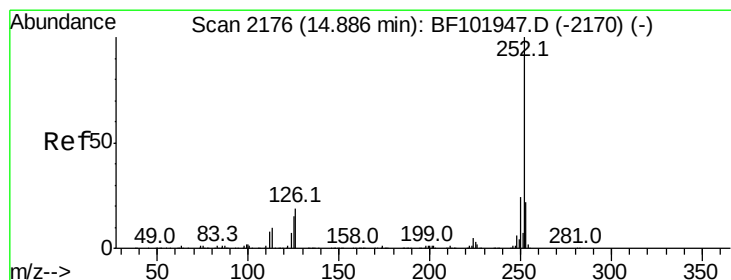
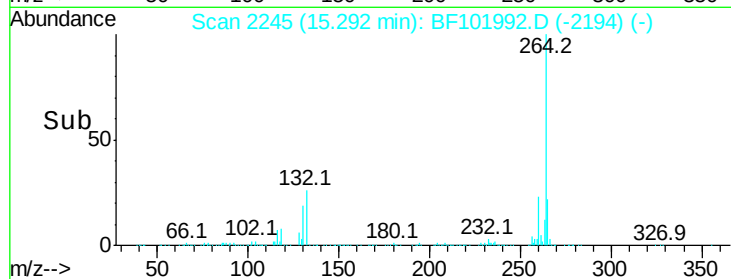
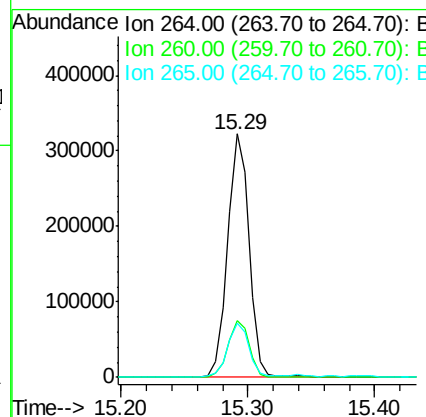
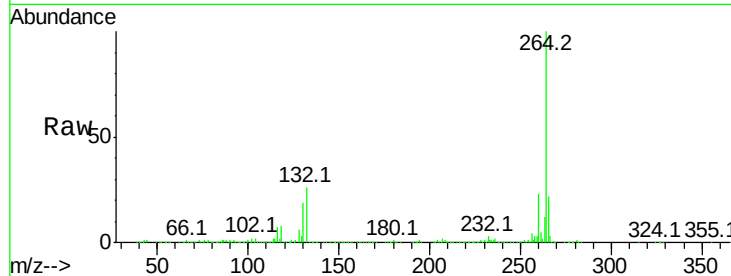
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
WC-42-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.3	17.5	26.3

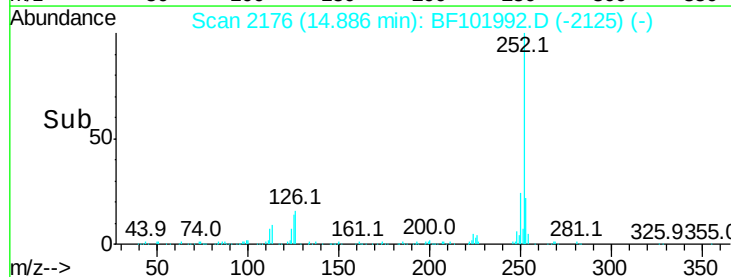
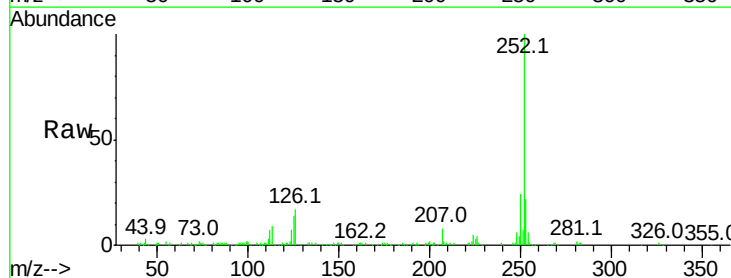
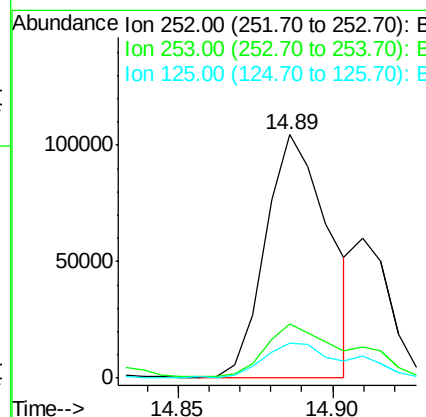
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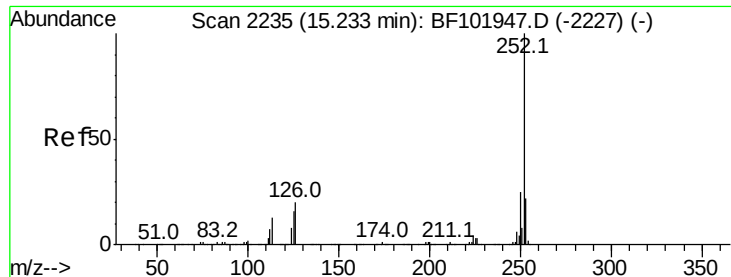
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#87
Benzo(b)fluoranthene
Concen: 6.052 ng m
RT: 14.89 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.4	9.0	13.6





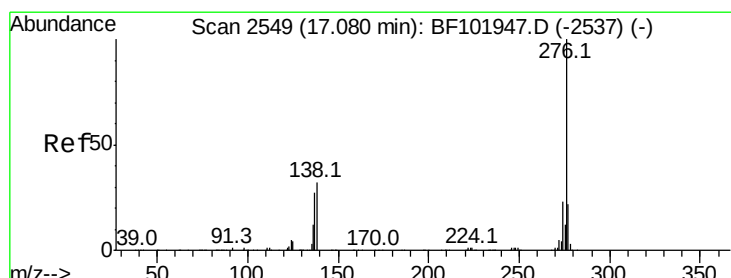
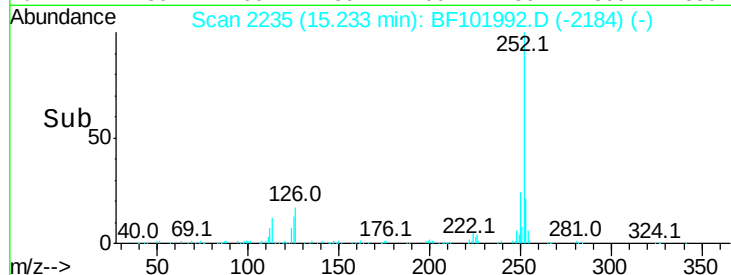
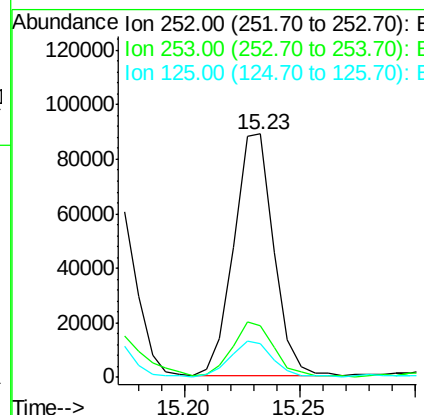
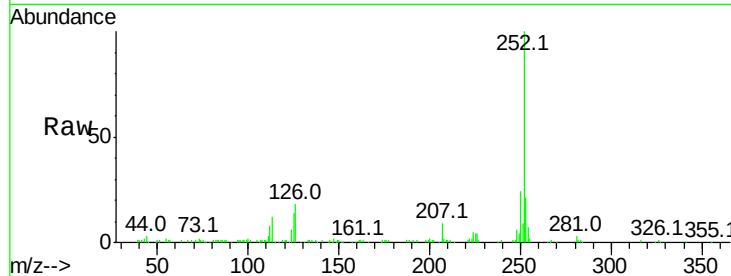
#89
Benzo(a)pyrene
Concen: 4.834 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Instrument :
BNA_F
ClientSampleId :
WC-42-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.1	25.7
125	13.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.442 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.01 min
Lab File: BF101992.D
Acq: 10 Jan 2018 21:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	33.3	21.8	32.8

