

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101984.D
 Acq On : 10 Jan 2018 17:42
 Operator : SJ/JU
 Sample : J1076-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Manual Integrations
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Sohil
 1/11/2018 10:52:42 AM

Quant Time: Jan 11 03:17:43 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	206798	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	840737	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	355146	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	561193	20.00	ng	0.00
75) Chrysene-d12	13.88	240	297336	20.00	ng	0.00
86) Perylene-d12	15.30	264	348113	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	34293	2.34	ng	0.00
7) Phenol-d6	6.35	99	42673	2.44	ng	0.00
23) Nitrobenzene-d5	7.29	82	24648	1.72	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	6779	2.19	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	48905	2.15	ng	-0.01
78) Terphenyl-d14	12.83	244	35816	2.50	ng	0.00
Target Compounds						
31) Naphthalene	8.03	128	673474	16.031	ng	Qvalue 100
37) 2-Methylnaphthalene	8.72	142	148562	5.372	ng	98
48) Acenaphthylene	9.62	152	343750	8.898	ng	99
54) Dibenzofuran	9.96	168	179292	5.572	ng	97
57) Fluorene	10.31	166	281327	12.646	ng	99
70) Phenanthrene	11.27	178	1374554	41.931	ng	99
71) Anthracene	11.32	178	426359	12.824	ng	100
72) Carbazole	11.47	167	76324	2.336	ng	98
74) Fluoranthene	12.46	202	1409788	43.711	ng	98
77) Pyrene	12.69	202	1327772	50.519	ng	100
80) Benzo(a)anthracene	13.87	228	605511m	31.918	ng	
82) Chrysene	13.90	228	494283	24.987	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	362916	25.207	ng	99
87) Benzo(b)fluoranthene	14.90	252	637462m	28.084	ng	
88) Benzo(k)fluoranthene	14.92	252	249002m	11.372	ng	
89) Benzo(a)pyrene	15.24	252	551812	27.016	ng	# 94
90) Dibenzo(a,h)anthracene	16.69	278	97052	5.954	ng	# 89
91) Benzo(g,h,i)perylene	17.09	276	363065	22.112	ng	94

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

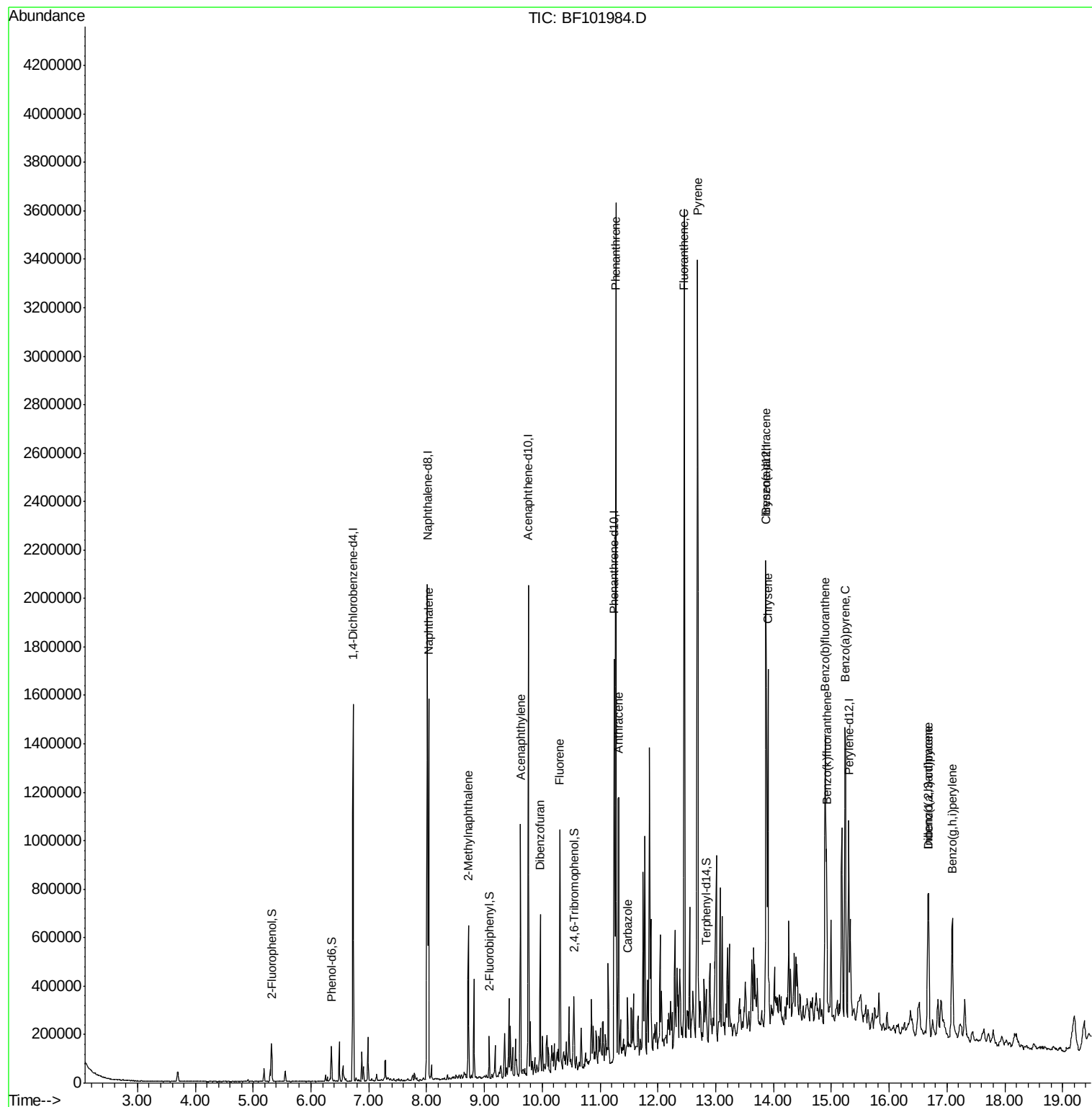
Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
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ALS Vial : 5 Sample Multiplier: 1

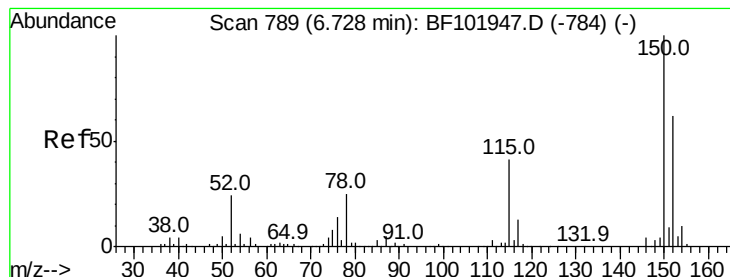
Instrument :
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WC-9871-01

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#1

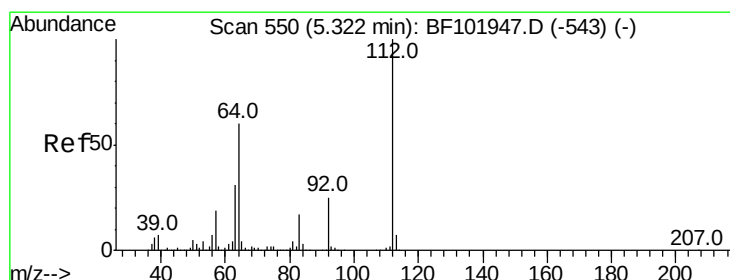
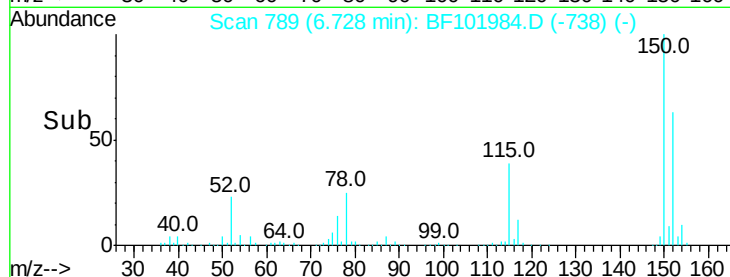
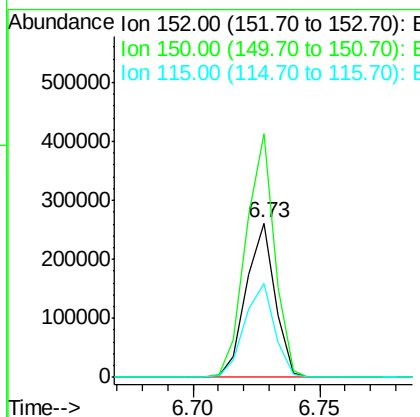
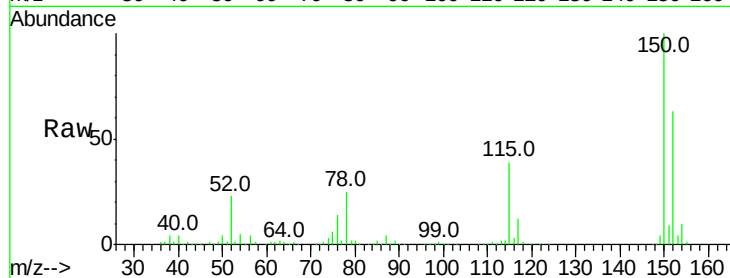
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	61.0	50.1	75.1

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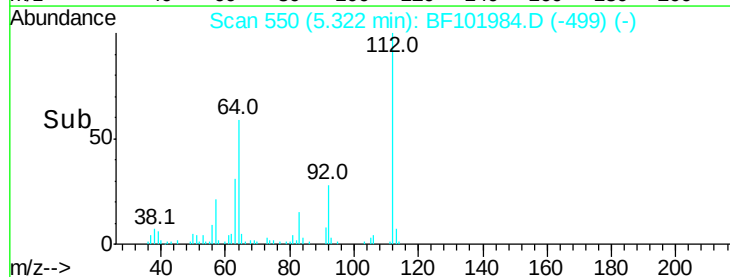
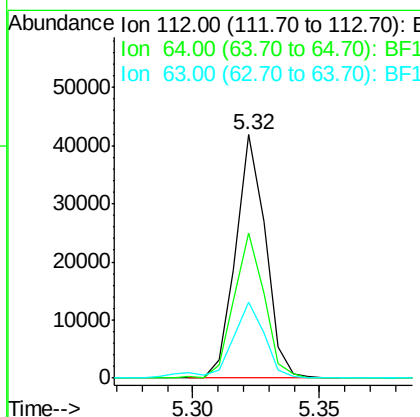
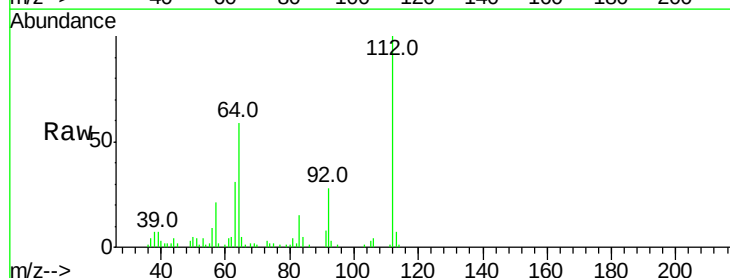
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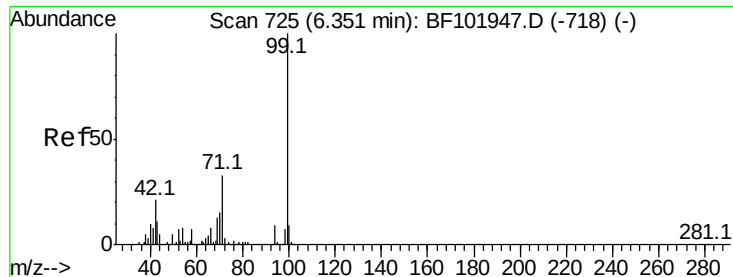


#5

2-Fluorophenol
 Concen: 2.342 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 2.442 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Instrument :

BNA_F

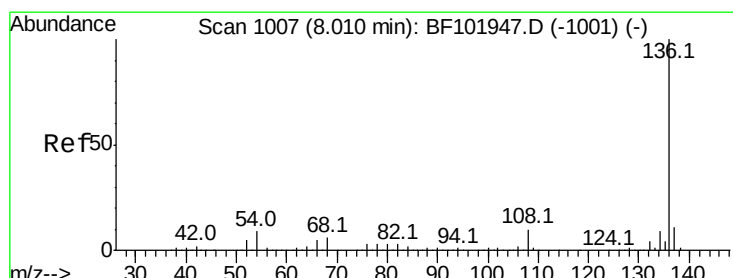
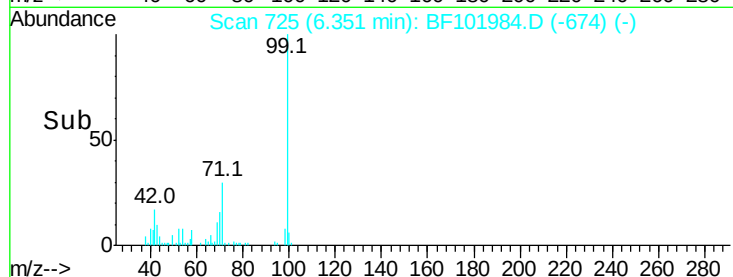
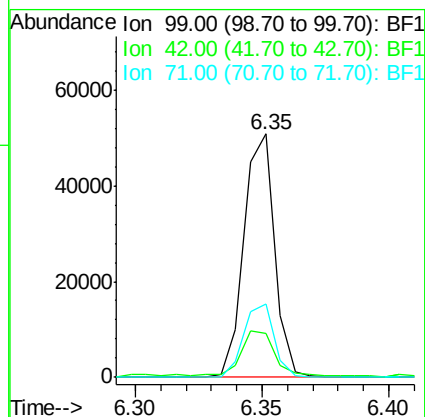
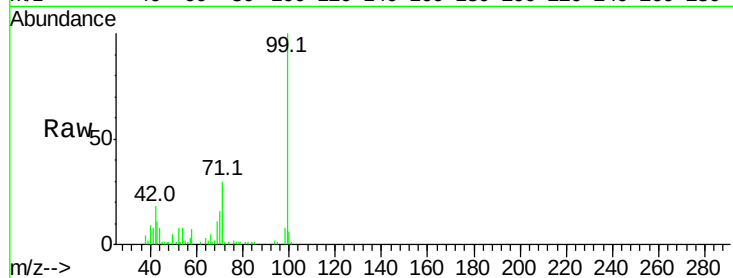
ClientSampleId :

WC-9871-01

Tot Ion:	99	Resp:	42673
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.5	21.7
71	30.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

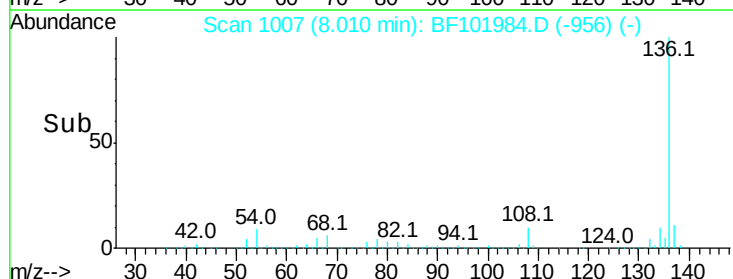
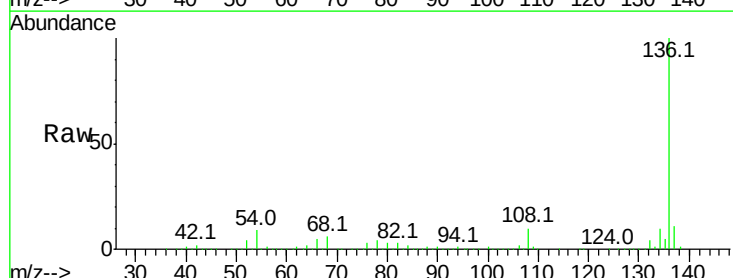
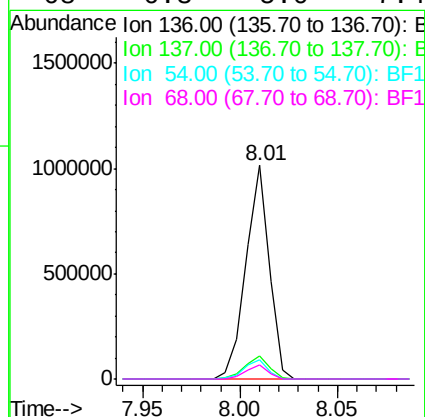
RT: 8.01 min Scan# 1007

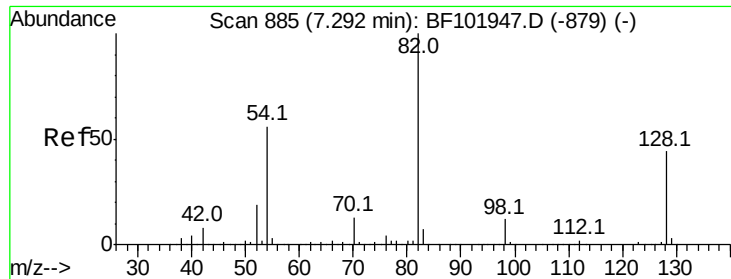
Delta R.T. 0.00 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Tgt Ion:	136	Resp:	840737
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.8	6.6	9.8
68	6.3	5.0	7.4





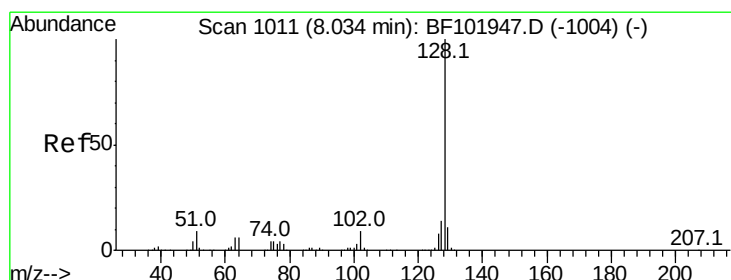
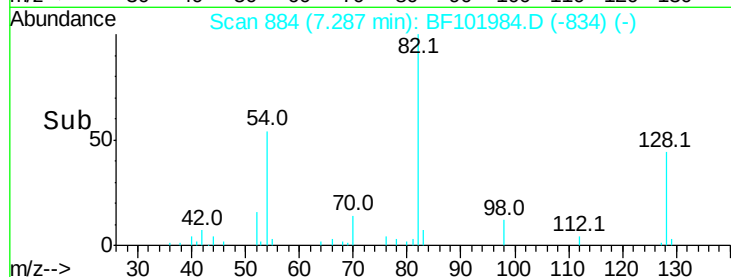
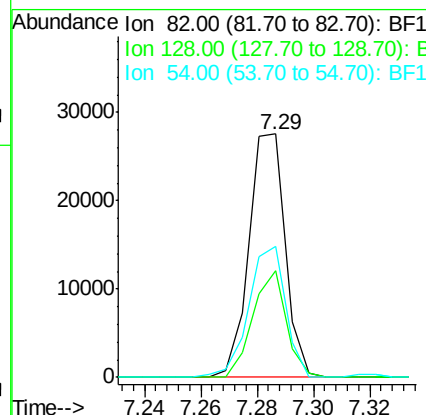
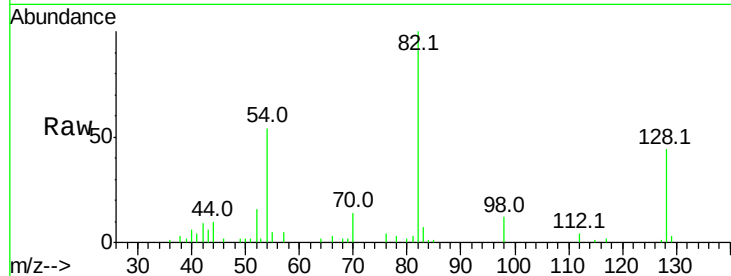
#23
 Nitrobenzene-d5
 Concen: 1.723 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	54.0	41.4	62.2

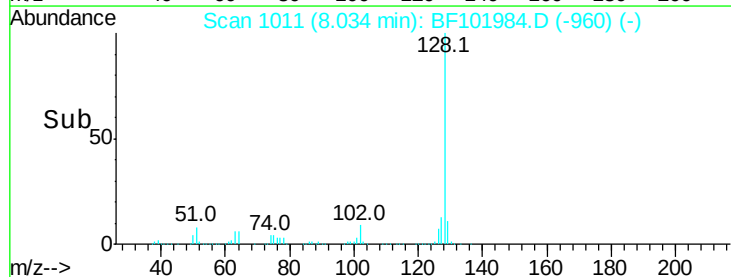
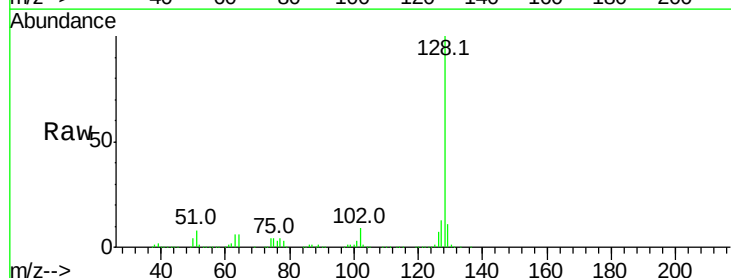
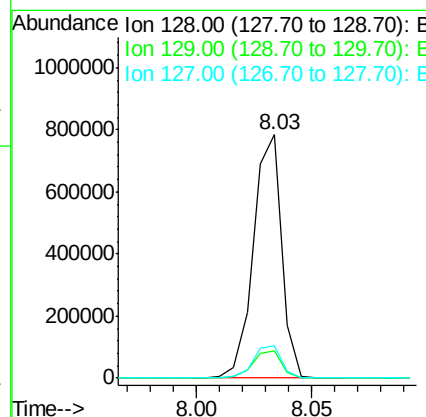
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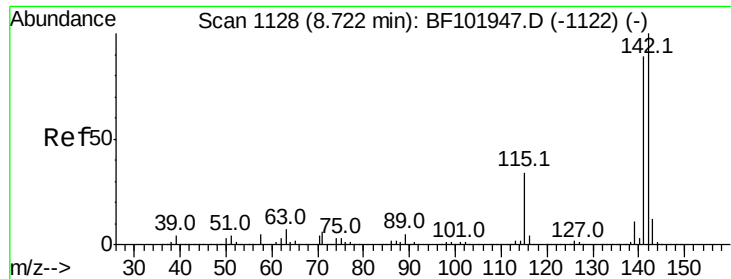
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#31
 Naphthalene
 Concen: 16.031 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.9	16.3





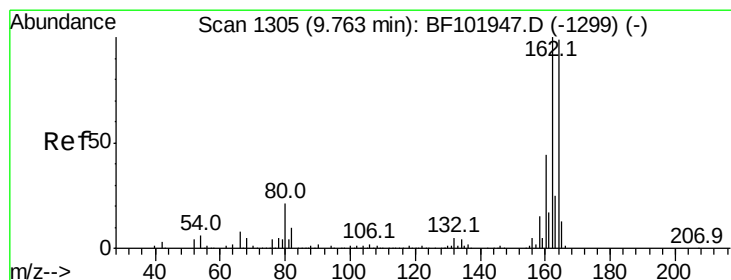
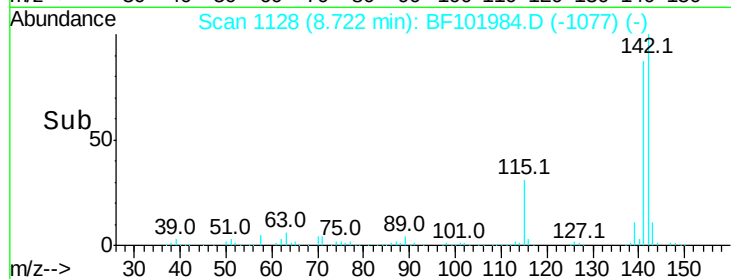
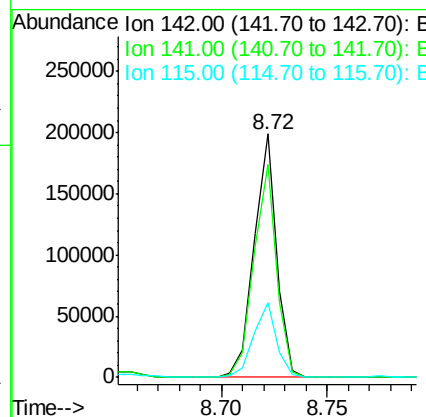
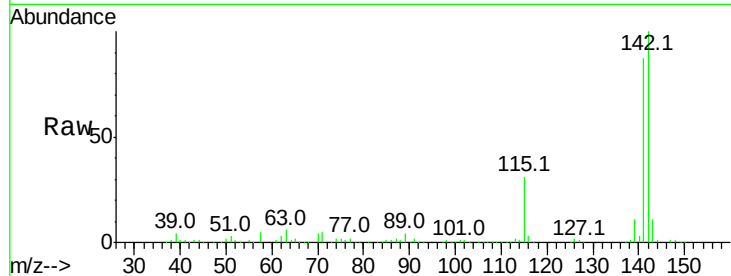
#37
2-Methylnaphthalene
Concen: 5.372 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Instrument :
BNA_F
ClientSampled :
WC-9871-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.8	106.2
115	30.8	26.1	39.1

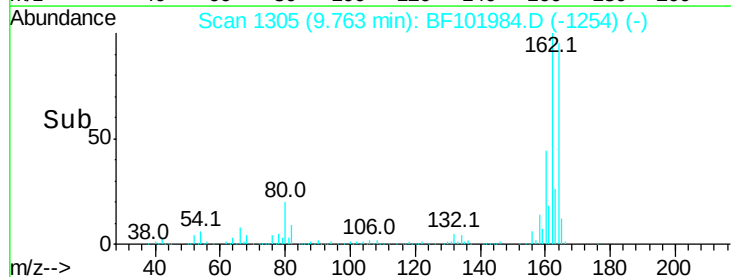
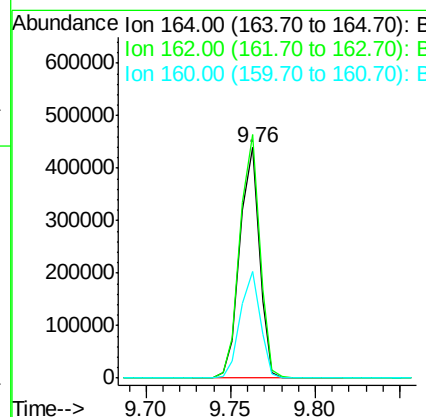
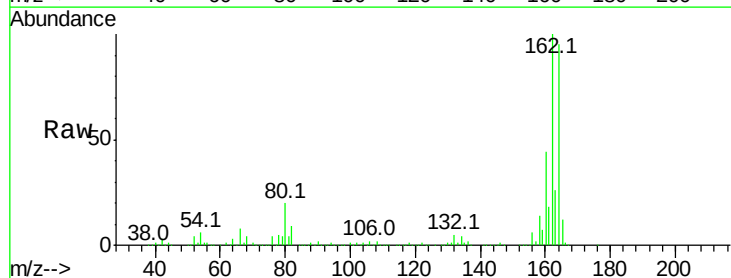
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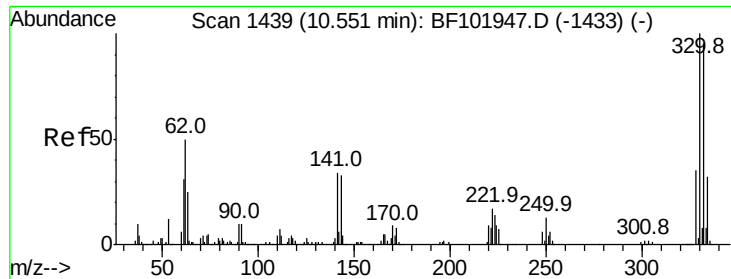
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	86.1	129.1
160	46.4	38.3	57.5





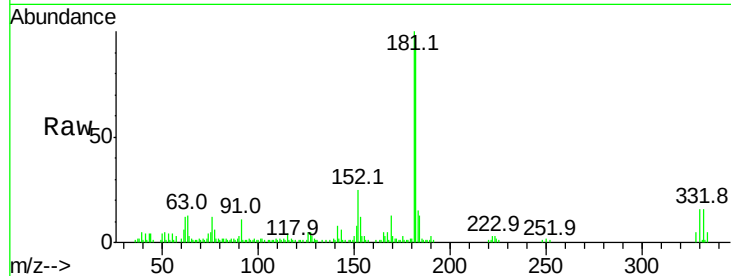
#41
 2,4,6-Tribromophenol
 Concen: 2.187 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.8	77.0	115.6
141	61.9	29.9	44.9

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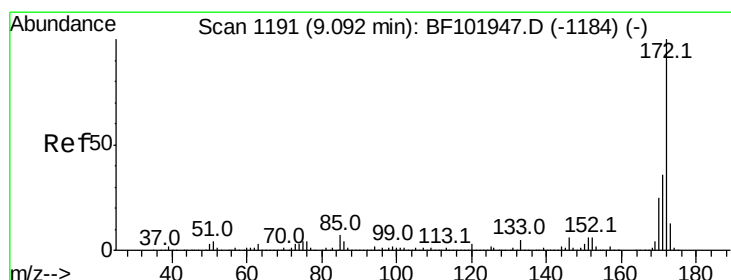
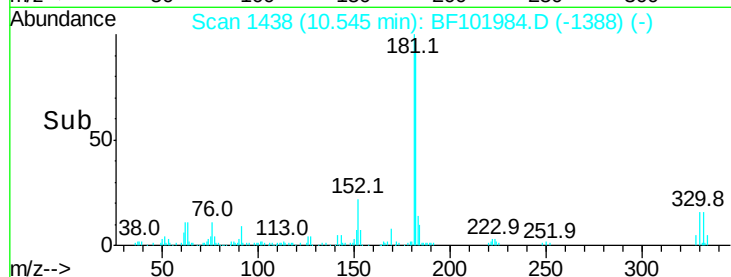
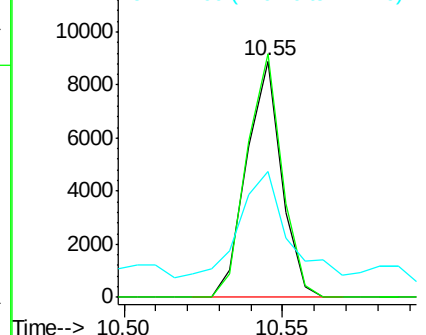


Abundance

Ion 329.80 (329.50 to 330.50): E

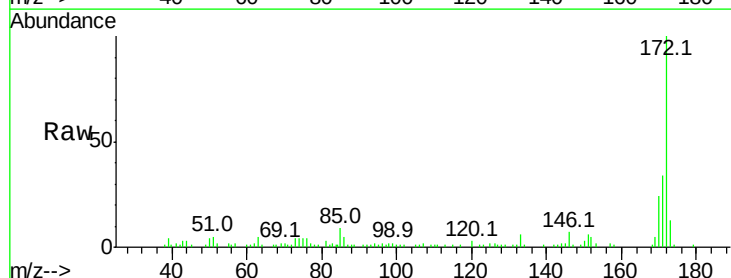
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 2.151 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	23.5	19.6	29.4

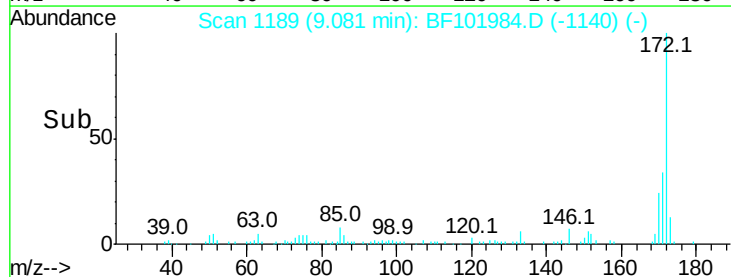
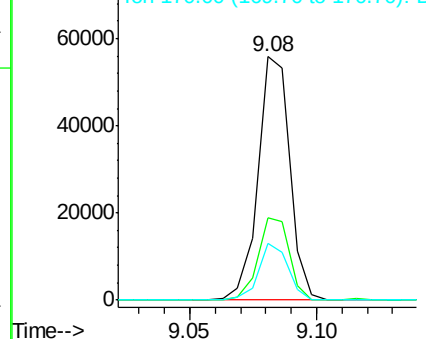


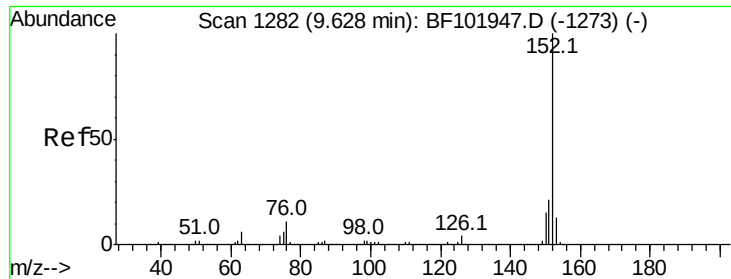
Abundance

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





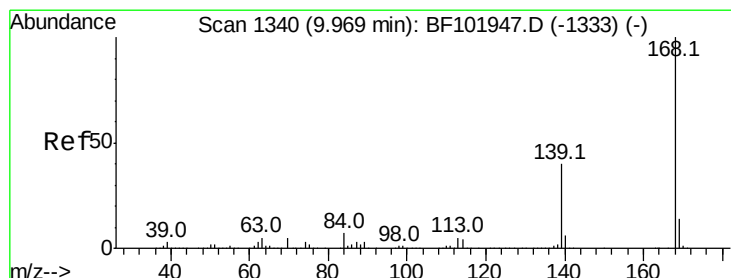
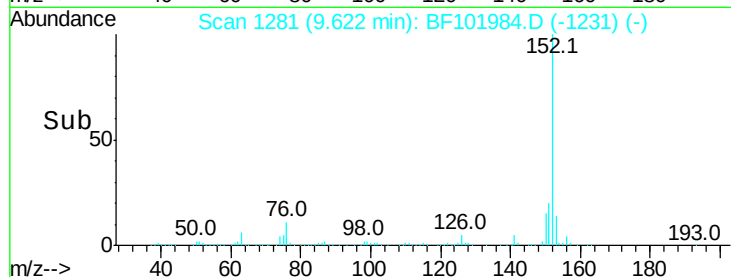
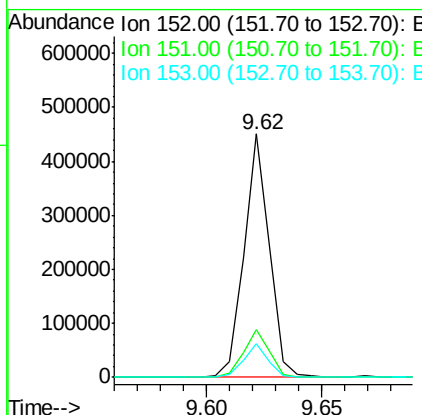
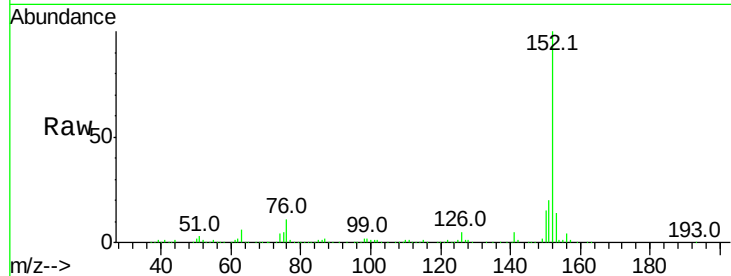
#48
Acenaphthylene
Concen: 8.898 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tot Ion:	152	Resp:	343750
Ion Ratio	Lower	Upper	
152	100		
151	19.7	16.3	24.5
153	13.8	10.7	16.1

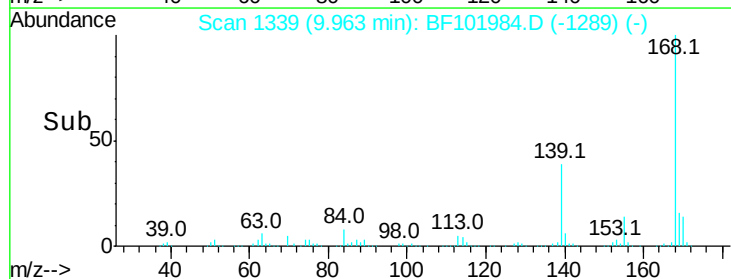
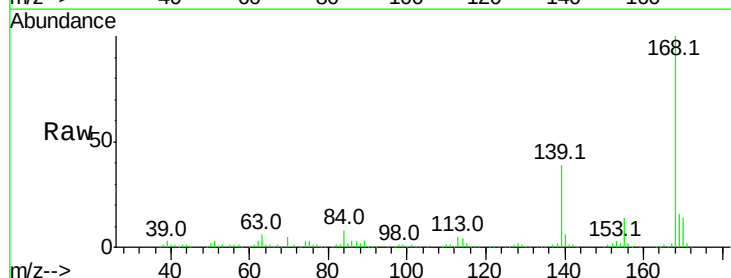
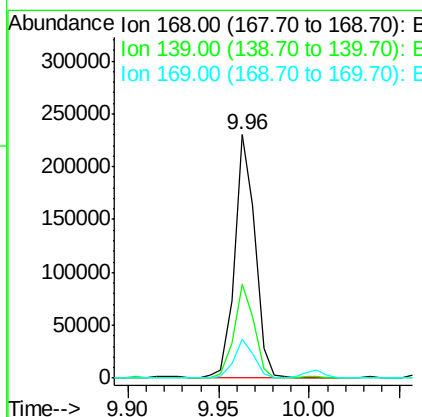
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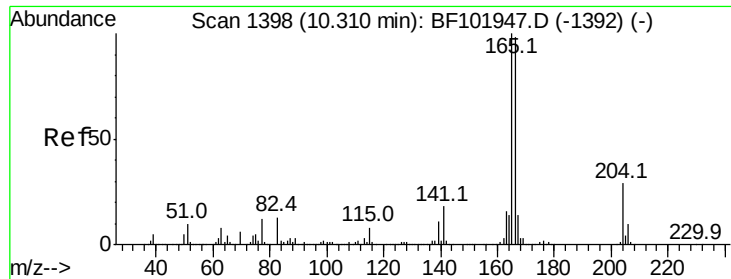
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#54
Dibenzofuran
Concen: 5.572 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Tgt Ion:	168	Resp:	179292
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.1	45.1
169	15.9	10.9	16.3





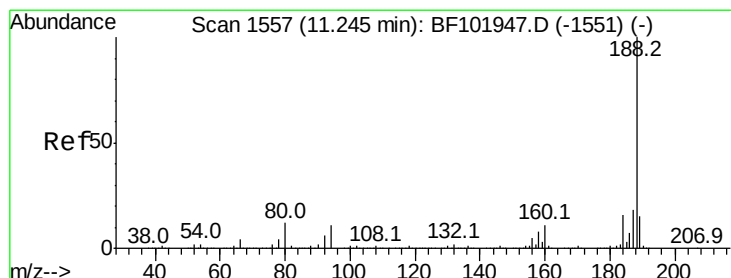
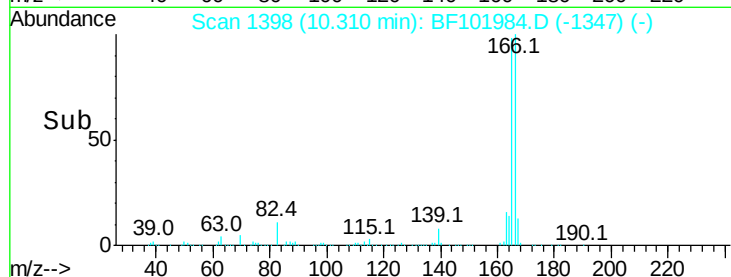
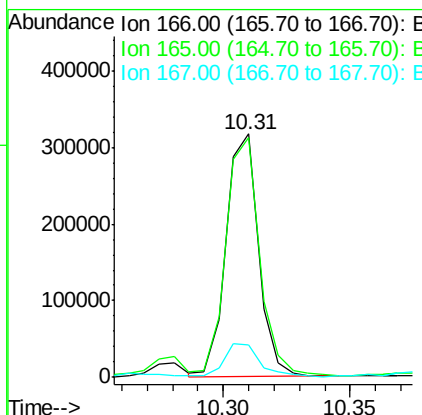
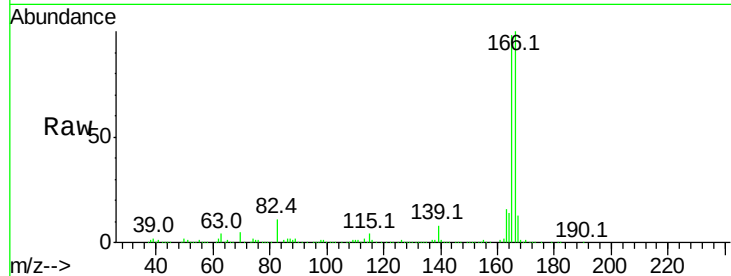
#57
Fluorene
 Concen: 12.646 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tot Ion	Ratio	Resp	Lower	Upper
166	100	281327		
165	98.4	79.8	119.8	
167	13.2	10.6	16.0	

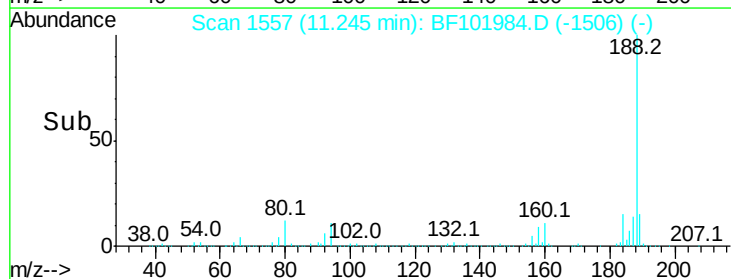
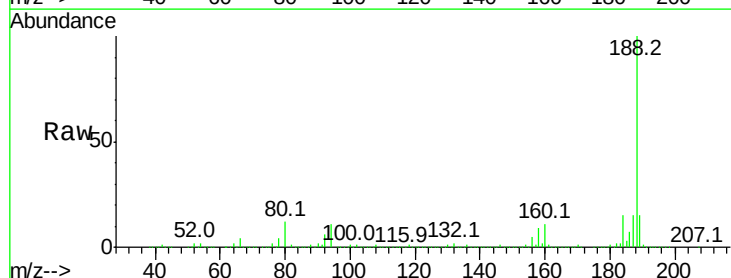
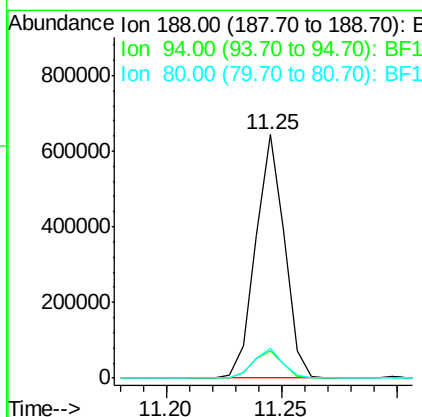
Manual Integrations
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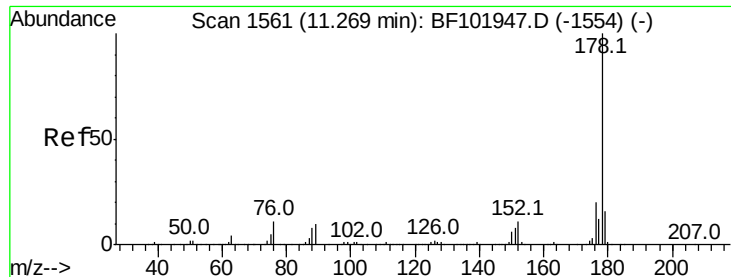
Sohil
 1/11/2018 10:52:42 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: BF101984.D
 Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	561193		
94	11.4	8.5	12.7	
80	12.2	9.2	13.8	





#70

Phenanthrene

Concen: 41.931 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Instrument :

BNA_F

ClientSampleId :

WC-9871-01

Tot Ion:178 Resp: 1374554

Ion Ratio Lower Upper

178 100

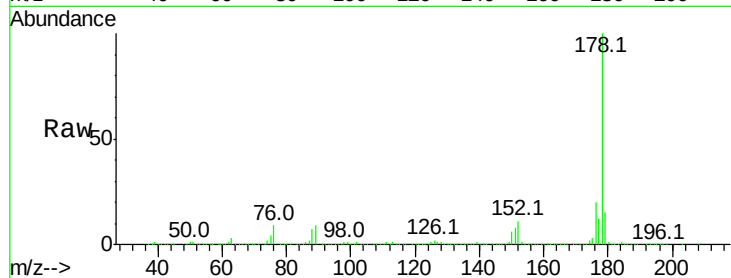
176 19.7 15.8 23.8

179 15.4 13.0 19.6

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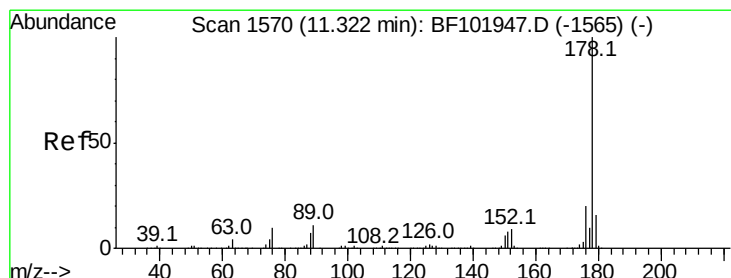
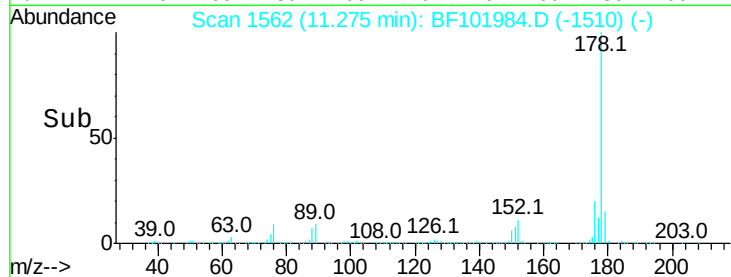
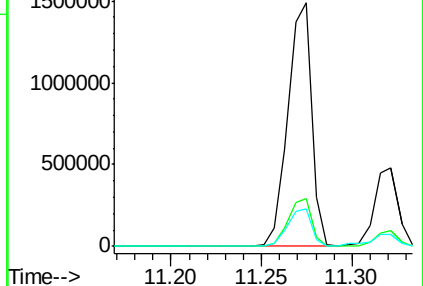
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 12.824 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Tgt Ion:178 Resp: 426359

Ion Ratio Lower Upper

178 100

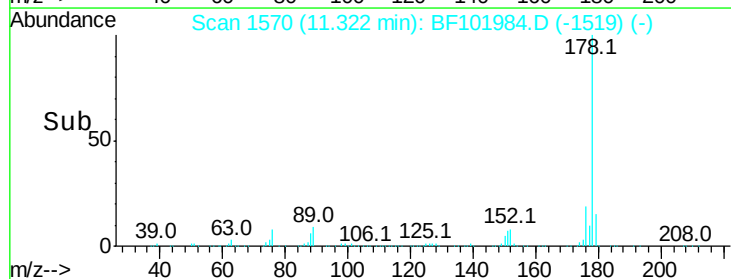
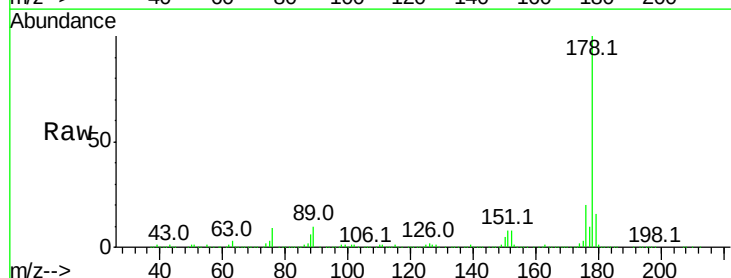
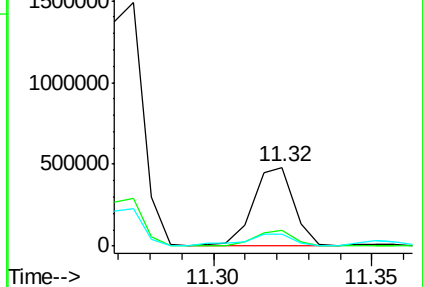
176 19.6 15.4 23.2

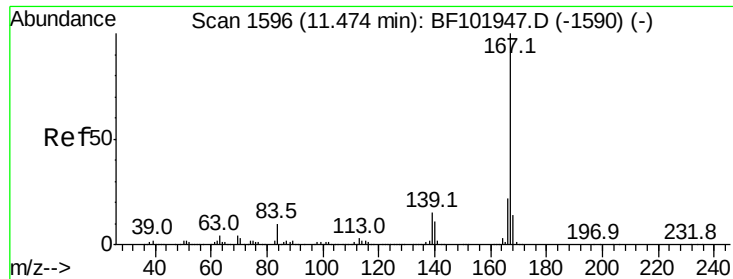
179 15.7 12.6 19.0

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





#72

Carbazole

Concen: 2.336 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.00 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Instrument :

BNA_F

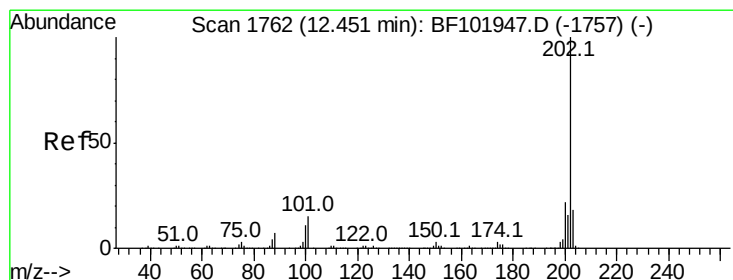
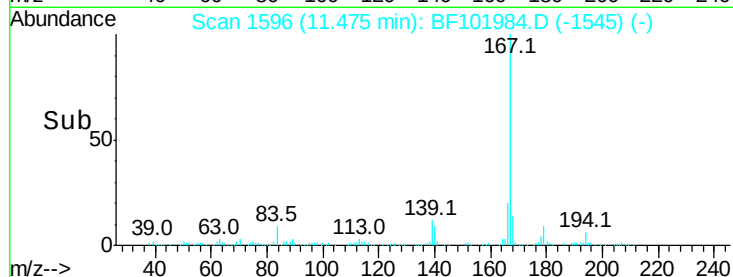
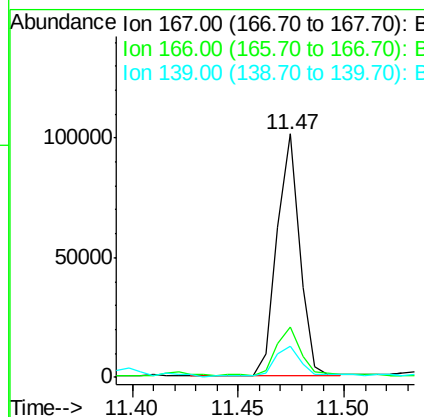
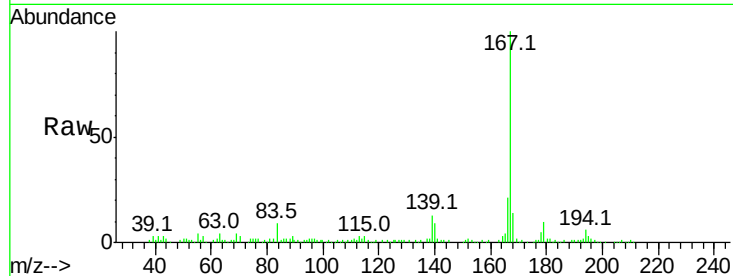
ClientSampleId :

WC-9871-01

Tot Ion:	167	Resp:	76324
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.6	26.4
139	12.6	10.9	16.3

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#74

Fluoranthene

Concen: 43.711 ng

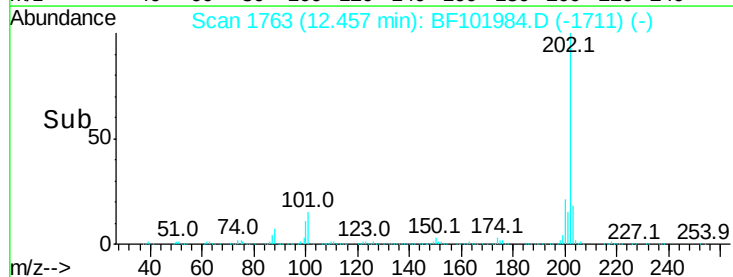
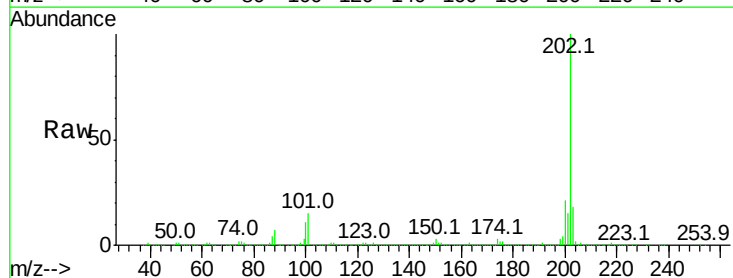
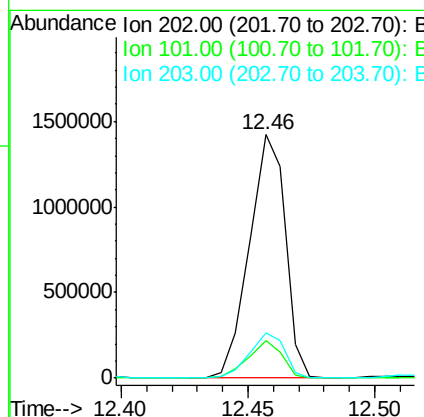
RT: 12.46 min Scan# 1763

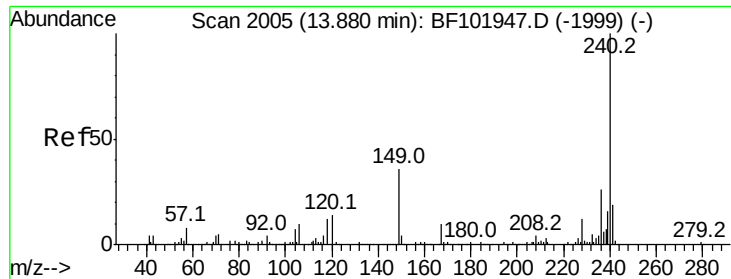
Delta R.T. 0.01 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Tgt Ion:	202	Resp:	1409788
Ion Ratio	Lower	Upper	
202	100		
101	15.2	0.0	34.1
203	18.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Instrument :

BNA_F

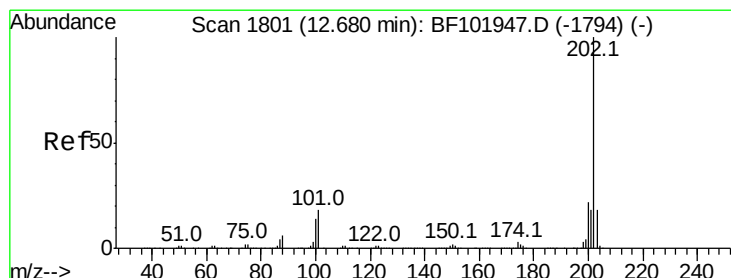
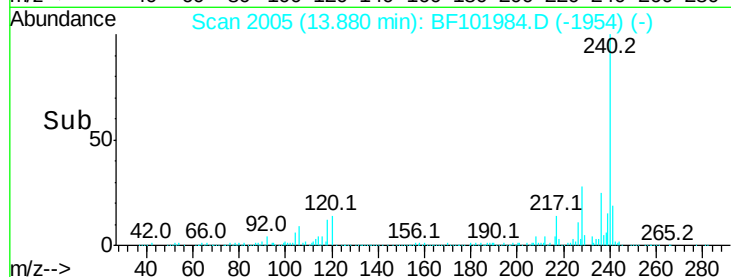
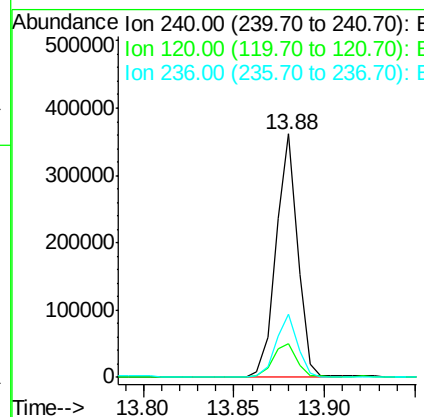
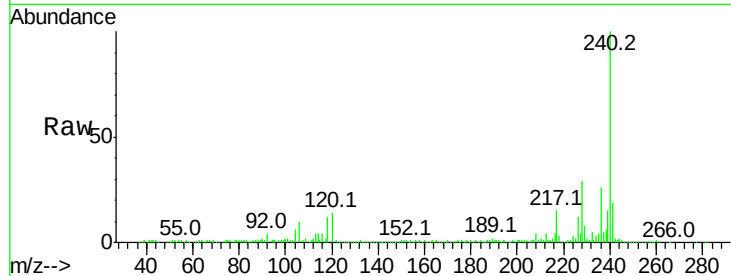
ClientSampleId :

WC-9871-01

Tot Ion:	240	Resp:	297336
Ion Ratio	Lower	Upper	
240	100		
120	14.1	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 50.519 ng

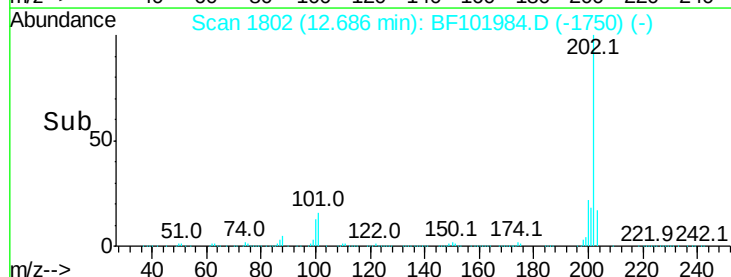
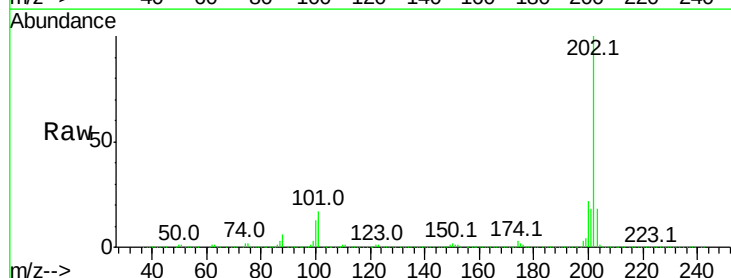
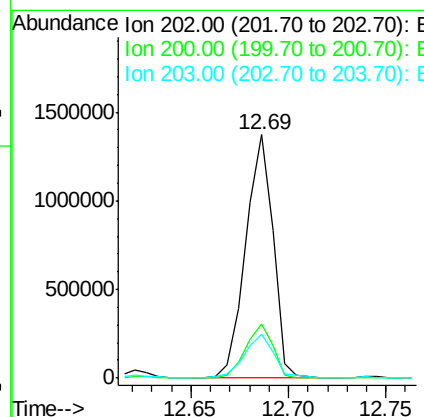
RT: 12.69 min Scan# 1802

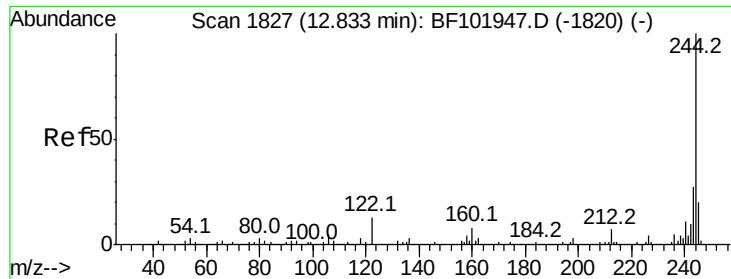
Delta R.T. 0.01 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Tgt Ion:	202	Resp:	1327772
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 2.501 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Instrument :

BNA_F

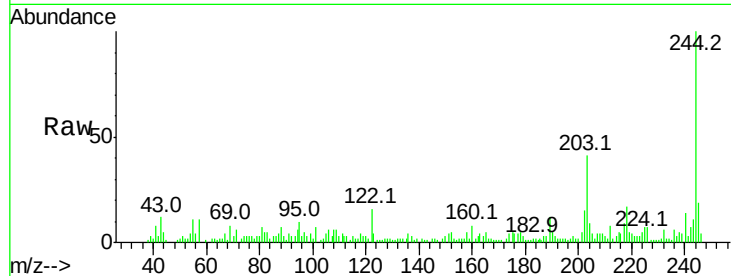
ClientSampleId :

WC-9871-01

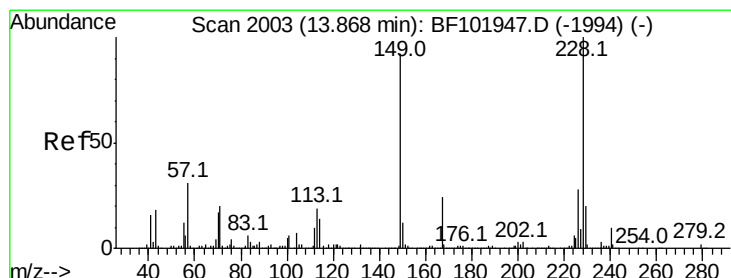
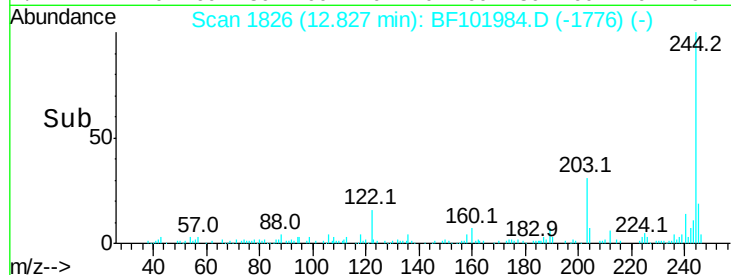
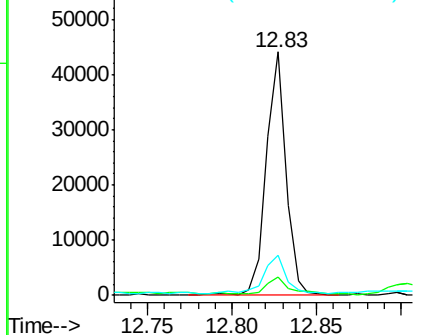
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	16.3	11.0	16.4

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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: 31.918 ng m

RT: 13.87 min Scan# 2003

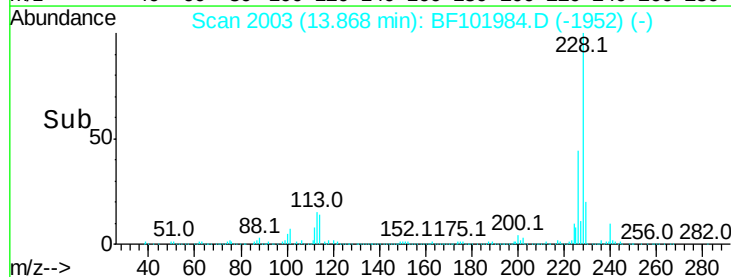
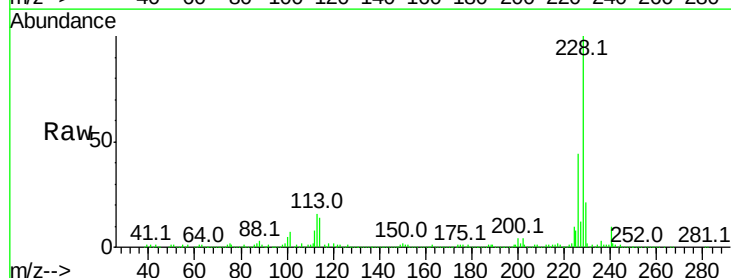
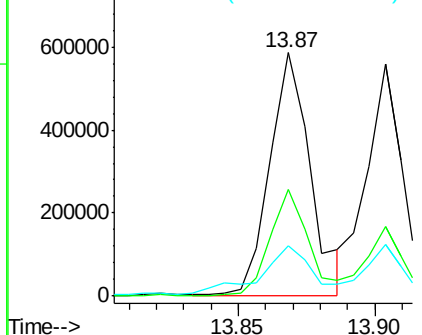
Delta R.T. 0.00 min

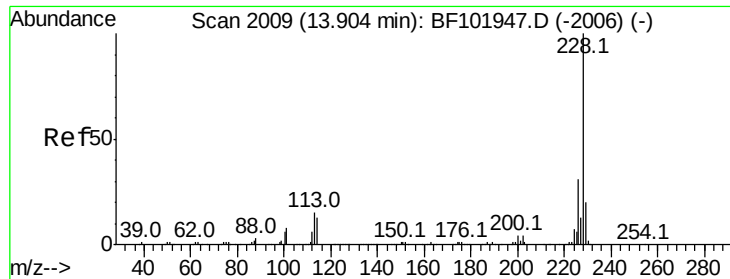
Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.0	22.6	33.8#
229	20.8	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





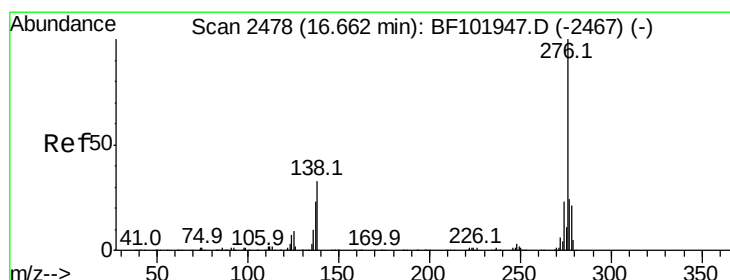
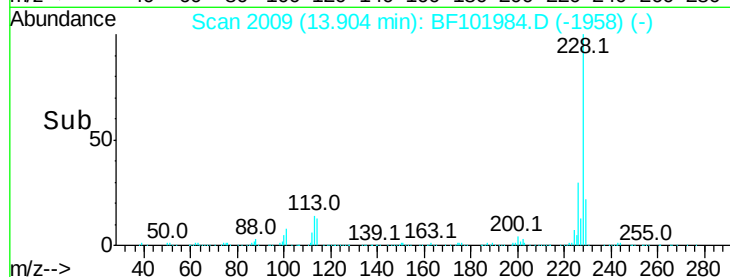
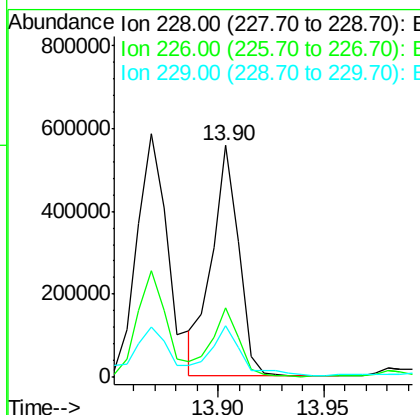
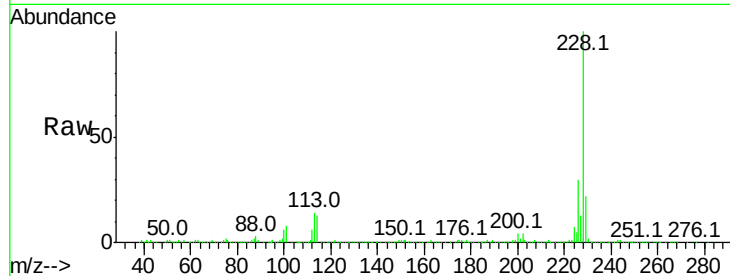
#82
Chrysene
Concen: 24.987 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.5	16.2	24.4

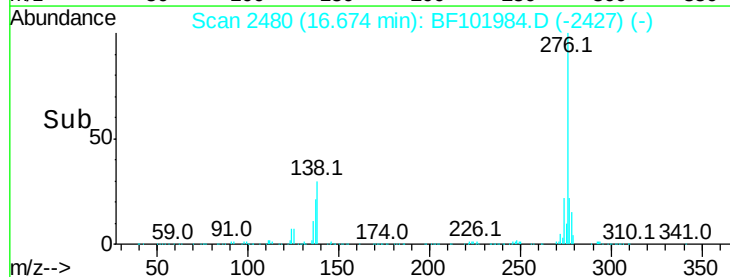
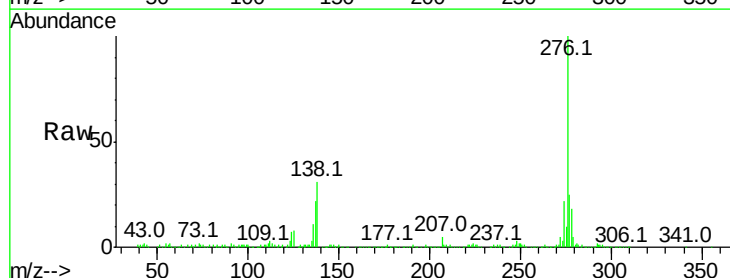
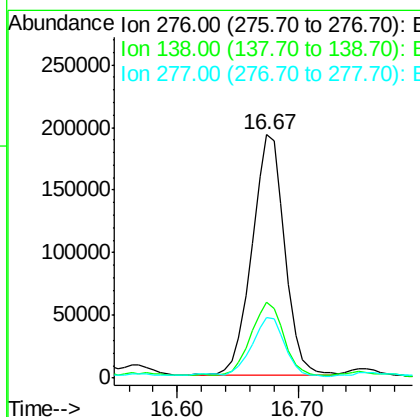
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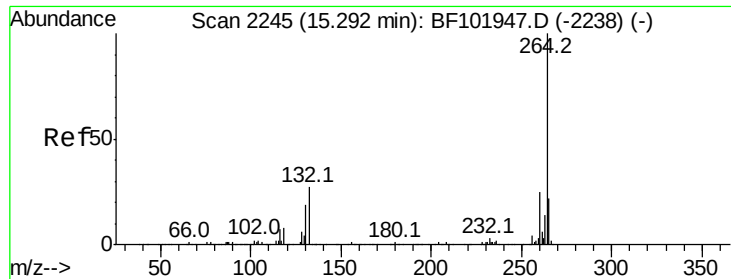
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 25.207 ng
RT: 16.67 min Scan# 2480
Delta R.T. 0.01 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.3	25.0	37.6
277	24.9	20.1	30.1





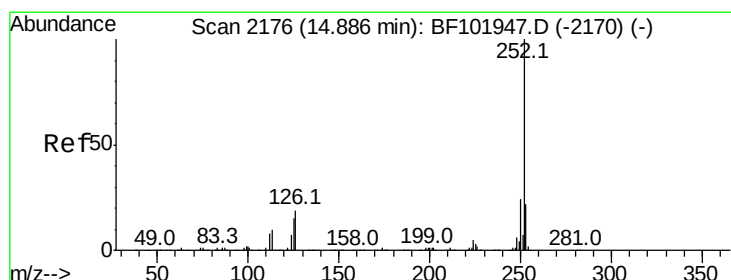
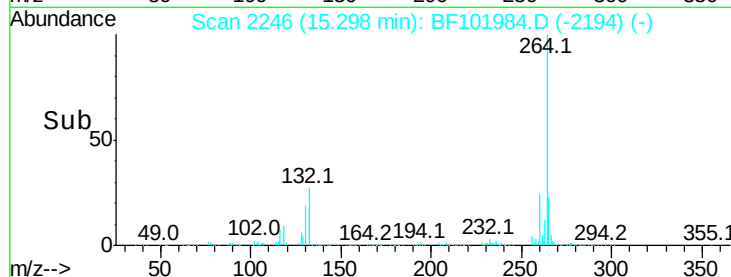
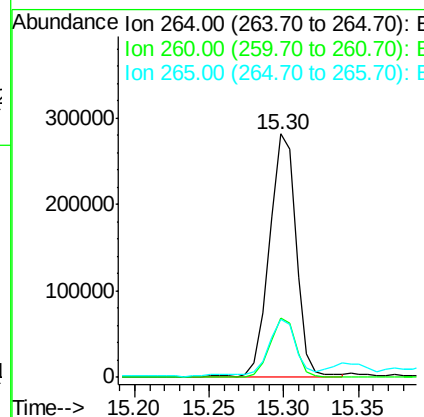
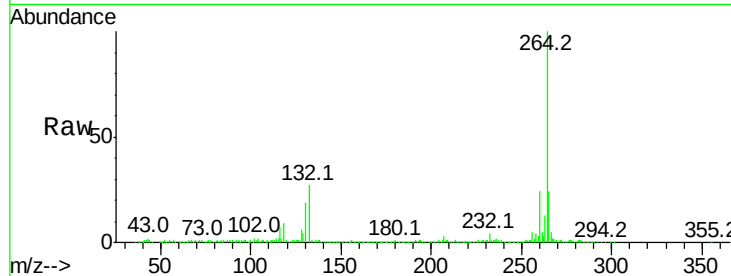
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.6	17.5	26.3

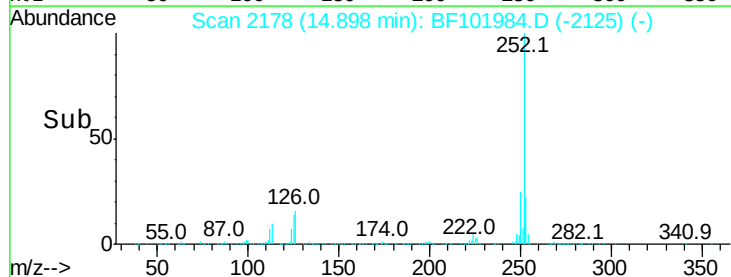
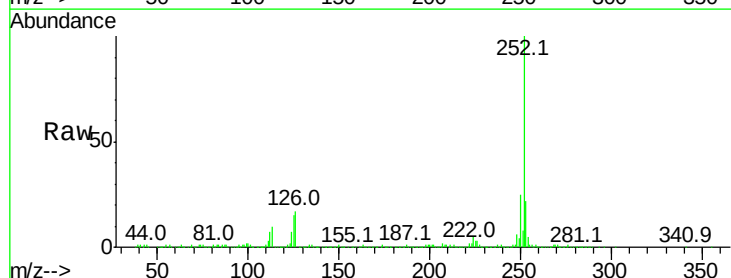
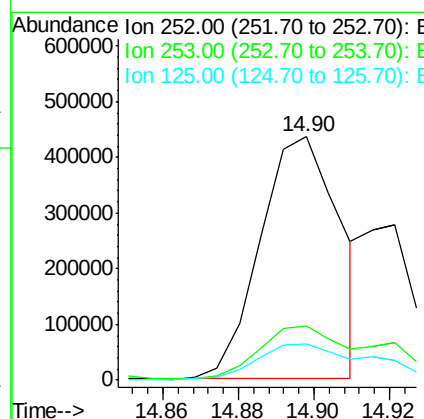
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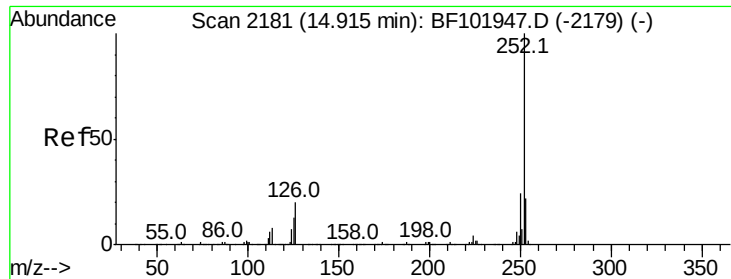
Sohil
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#87
Benzo(b)fluoranthene
Concen: 28.084 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.9	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 11.372 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF101984.D

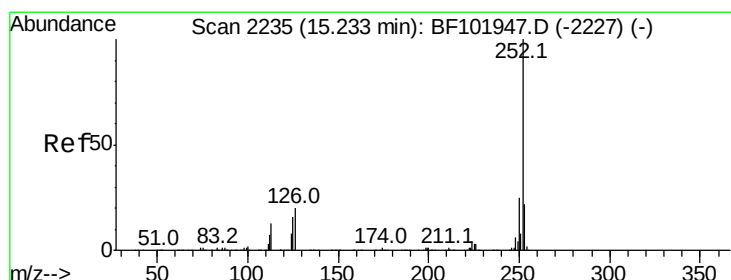
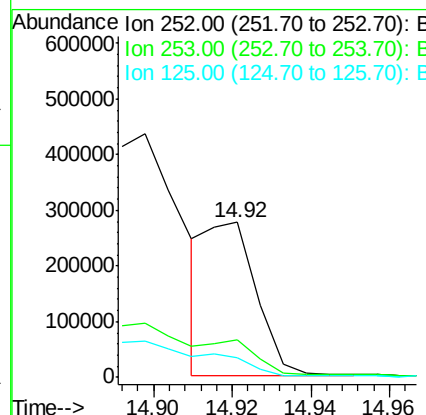
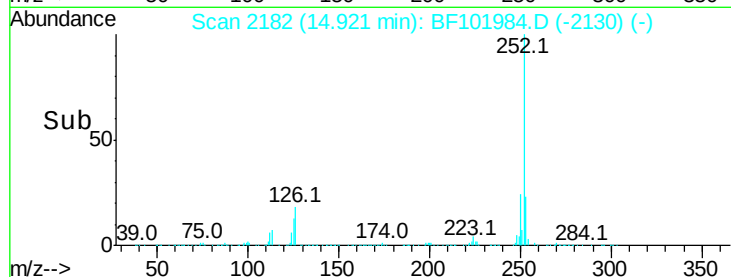
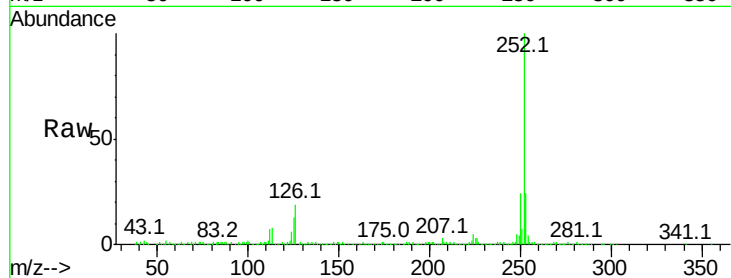
Acq: 10 Jan 2018 17:42

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	13.1	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 27.016 ng

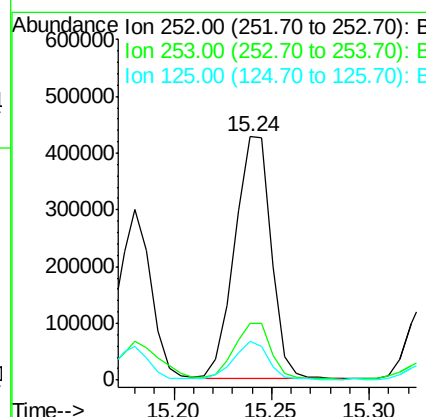
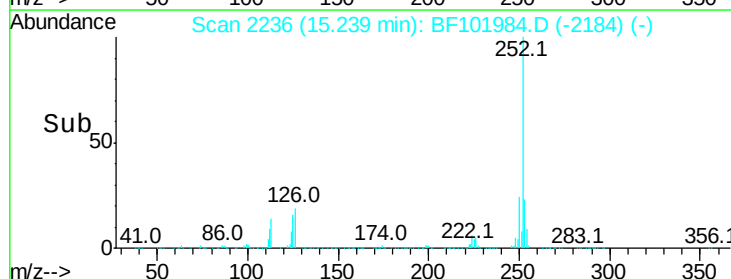
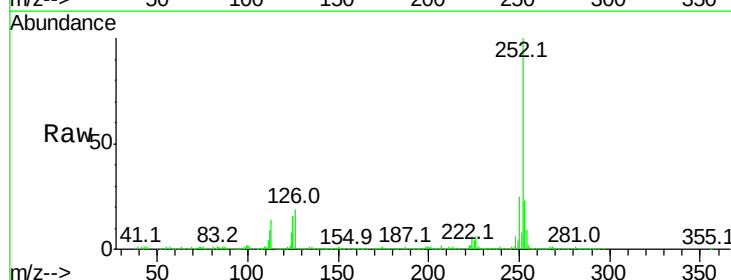
RT: 15.24 min Scan# 2236

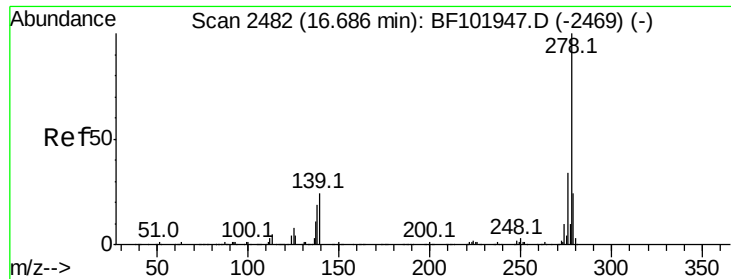
Delta R.T. 0.01 min

Lab File: BF101984.D

Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	16.1	9.8	14.6





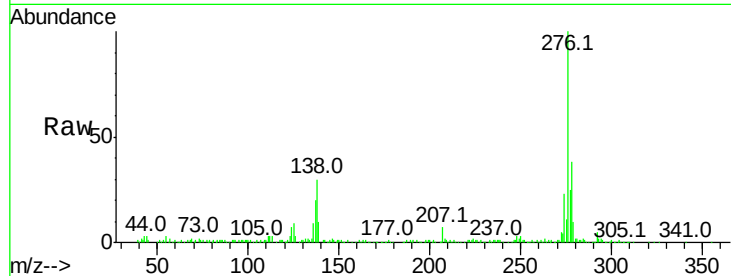
#90
Dibenzo(a,h)anthracene
Concen: 5.954 ng
RT: 16.69 min Scan# 2482
Delta R.T. 0.00 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

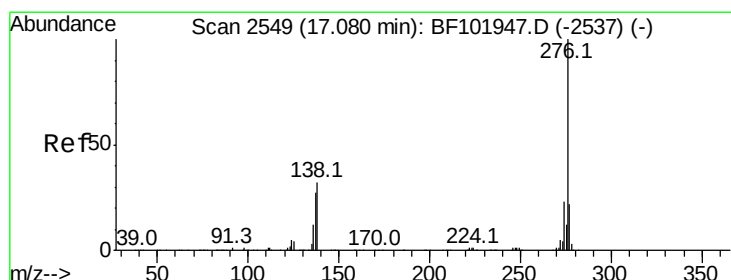
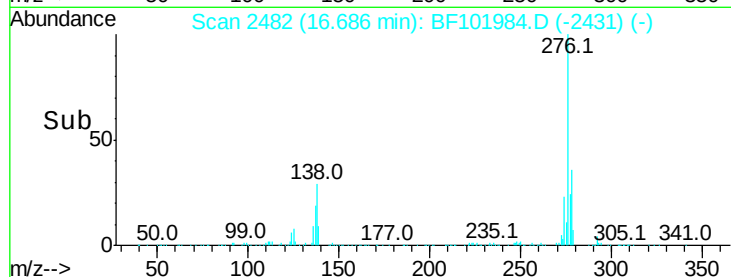
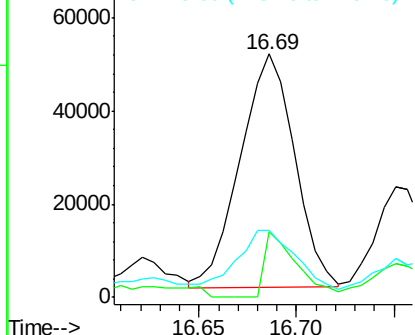
Tot Ion	Ratio	Lower	Upper
278	100		
139	27.2	15.9	23.9#
279	27.4	19.0	28.4

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 22.112 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.01 min
Lab File: BF101984.D
Acq: 10 Jan 2018 17:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	31.8	21.8	32.8

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

