

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
 Data File : BF110907.D
 Acq On : 20 Nov 2018 21:08
 Operator : JU/SJ
 Sample : J5981-05DL 25X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03(8-10)DL

Manual Integrations
 APPROVED

Sohil
 11/21/2018 3:18:13 PM

Quant Time: Nov 21 05:49:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	53068	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	220260	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	87501	20.00	ng	-0.01
64) Phenanthrene-d10	11.48	188	145292	20.00	ng	0.00
76) Chrysene-d12	14.13	240	118242	20.00	ng	0.00
87) Perylene-d12	15.67	264	78060	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	9209	2.82	ng	0.04
7) Phenol-d6	6.60	99	13454	3.22	ng	0.02
23) Nitrobenzene-d5	7.53	82	7824	2.05	ng	0.01
42) 2,4,6-Tribromophenol	10.79	330	1977	2.24	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	15051	2.46	ng	0.00
79) Terphenyl-d14	13.06	244	14288	2.26	ng	-0.01
Target Compounds						
31) Naphthalene	8.25	128	187909	18.173	ng	99
49) Acenaphthylene	9.85	152	22001	2.598	ng	98
55) Dibenzofuran	10.19	168	63536	8.114	ng	98
58) Fluorene	10.53	166	56574	9.406	ng	97
71) Phenanthrene	11.50	178	396867	50.985	ng	99
72) Anthracene	11.56	178	91043	11.595	ng	98
75) Fluoranthene	12.70	202	225453	28.889	ng	97
78) Pyrene	12.93	202	156626	17.203	ng	99
81) Benzo(a)anthracene	14.12	228	86159	12.191	ng	98
83) Chrysene	14.16	228	71510	10.621	ng	98
86) Indeno(1,2,3-cd)pyrene	17.26	276	24218	5.012	ng	98
88) Benzo(b)fluoranthene	15.22	252	66846m	14.314	ng	
89) Benzo(k)fluoranthene	15.24	252	18840m	4.083	ng	
90) Benzo(a)pyrene	15.60	252	39931	9.411	ng	98
92) Benzo(a,h,i)perylene	17.74	276	21418	6.012	ng	96

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

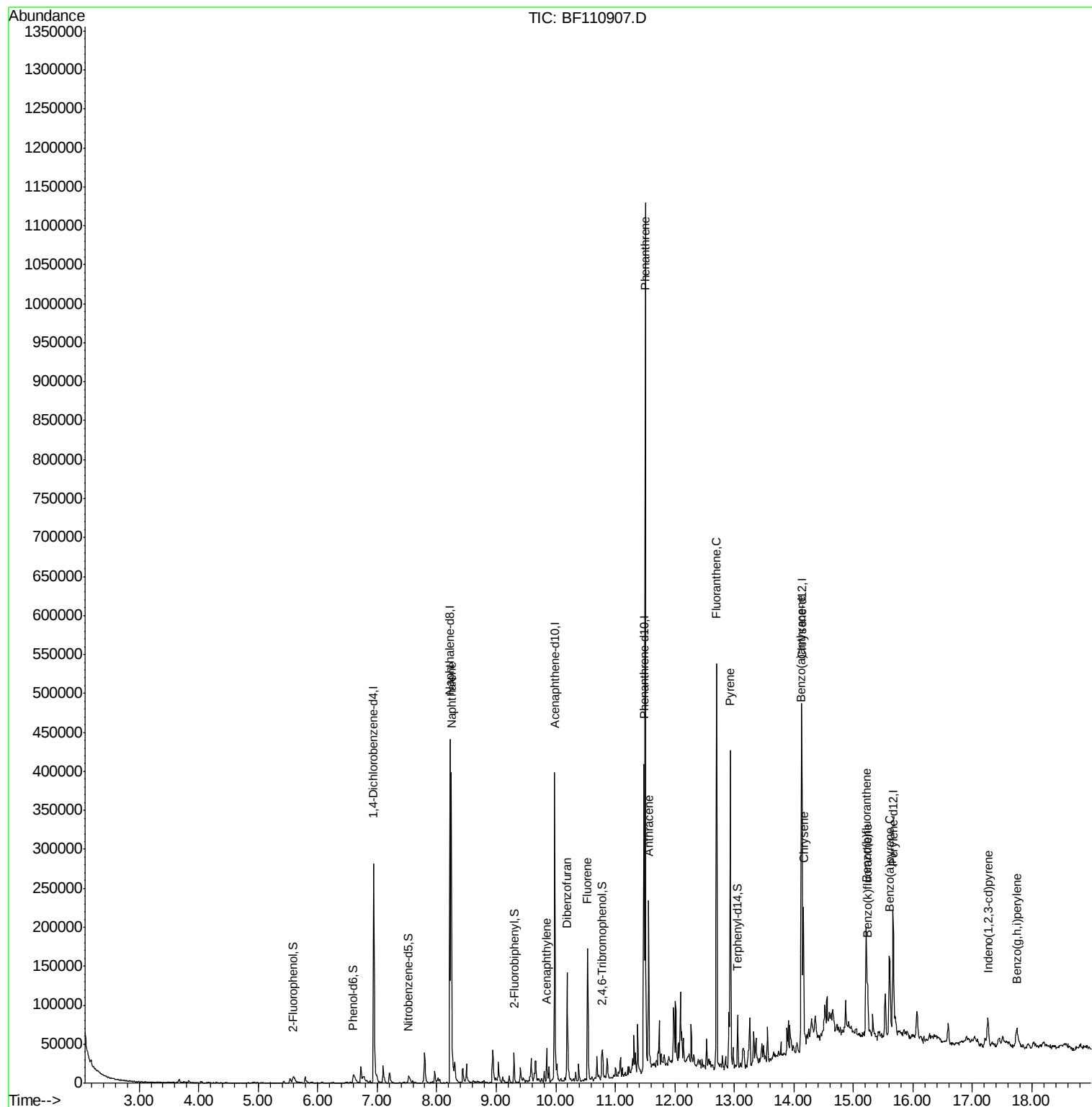
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110907.D
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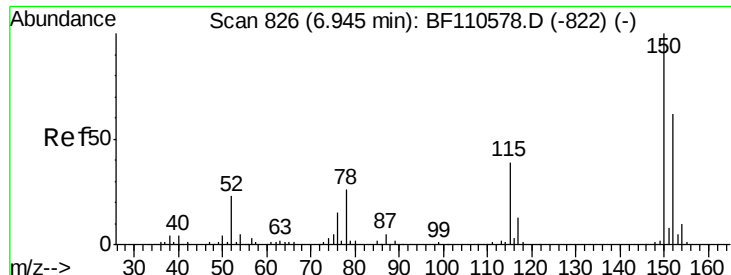
Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

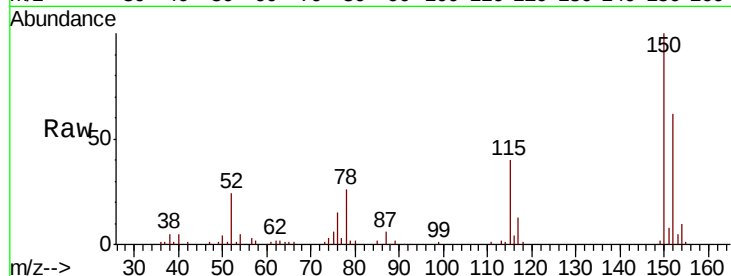
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.94 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Instrument :
 BNA_F
 ClientSampleID :
 DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.9	122.7	184.1
115	65.5	49.1	73.7

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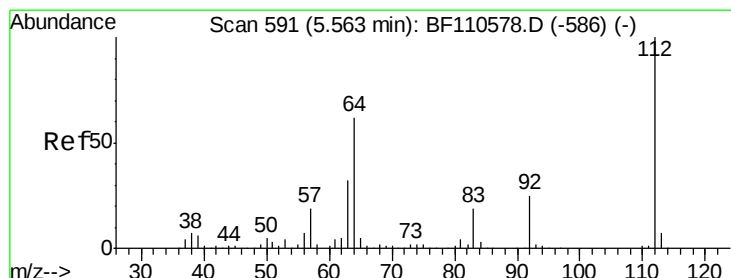
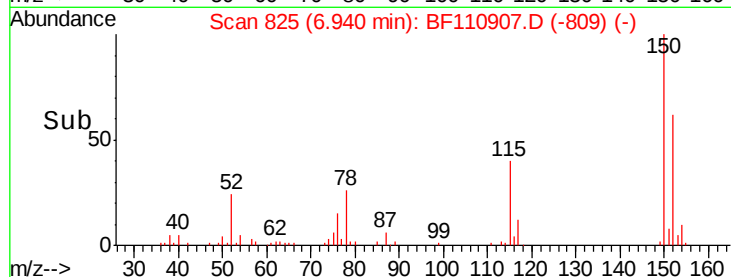
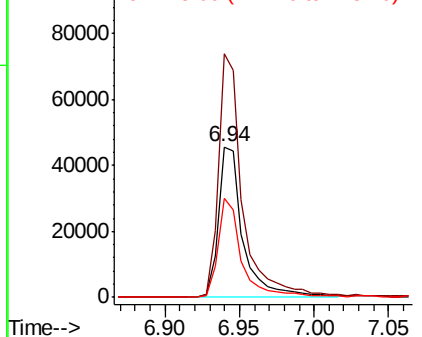


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

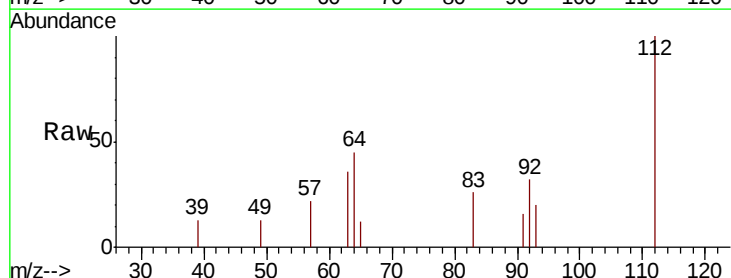
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 2.819 ng
 RT: 5.60 min Scan# 597
 Delta R.T. 0.04 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.3	44.1	66.1
63	36.0	23.7	35.5#

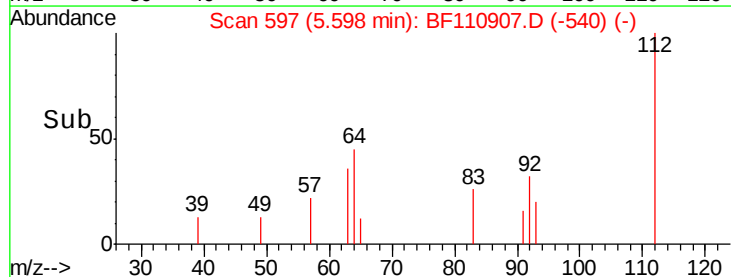
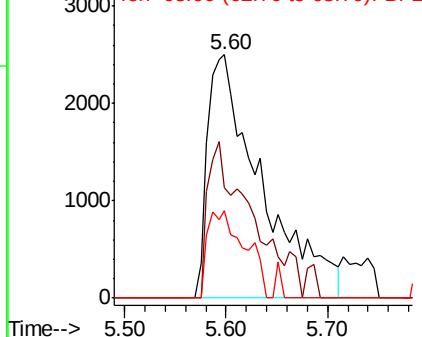


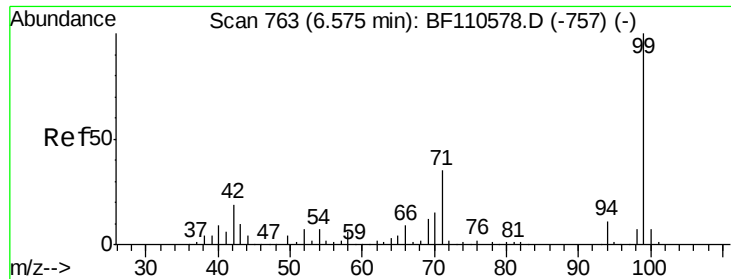
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 3.220 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.02 min

Lab File: BF110907.D

Acq: 20 Nov 2018 21:08

Instrument :

BNA_F

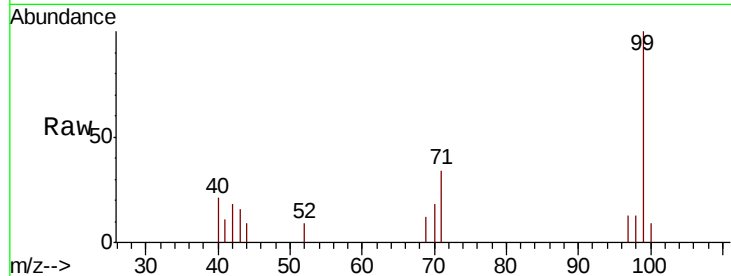
ClientSampleId :

DTW-03(8-10)DL

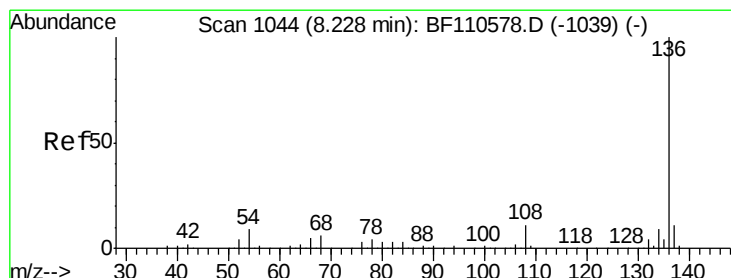
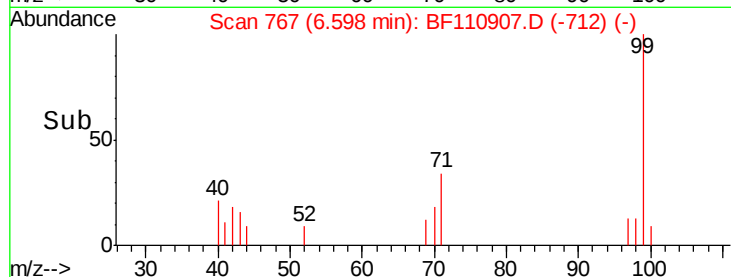
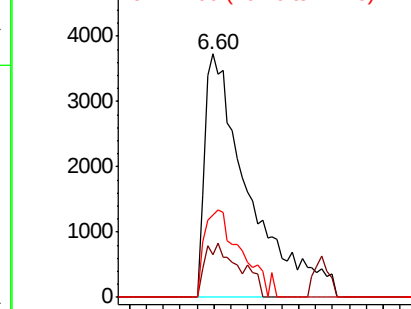
Tot Ion:	99	Resp:	13454
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.8	23.6
71	33.9	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

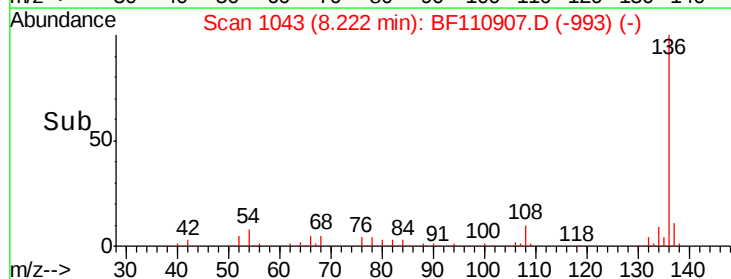
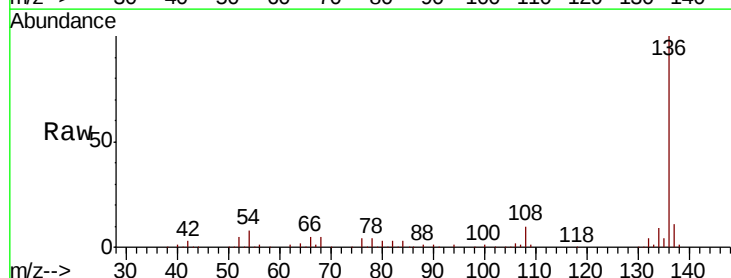
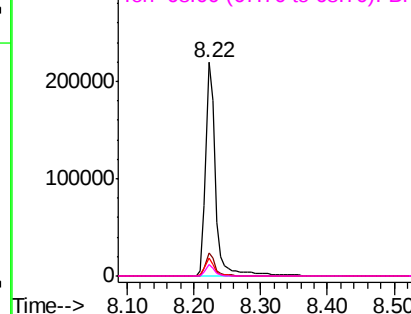
Delta R.T. -0.01 min

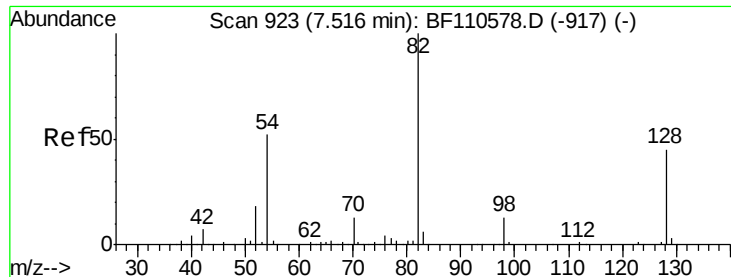
Lab File: BF110907.D

Acq: 20 Nov 2018 21:08

Tgt Ion:	136	Resp:	220260
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.3	5.4	8.2#
68	5.3	4.2	6.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





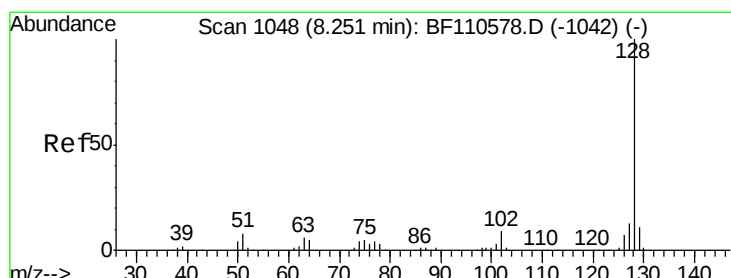
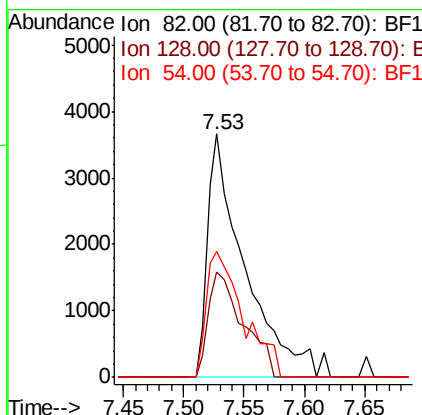
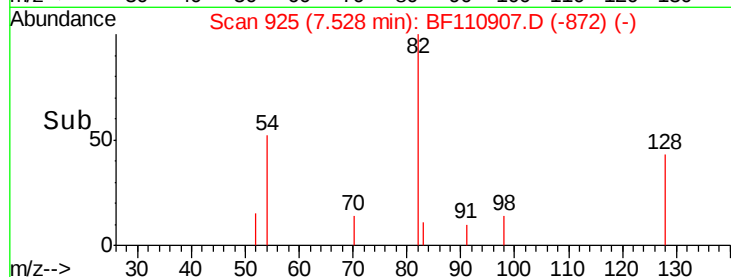
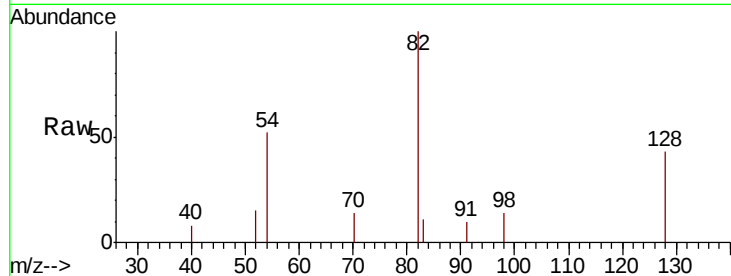
#23
Nitrobenzene-d5
Concen: 2.046 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.2	51.2
54	51.8	38.6	58.0

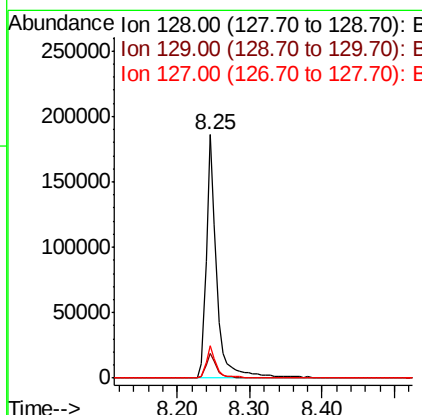
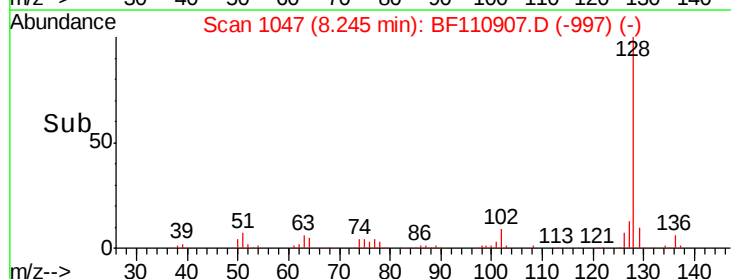
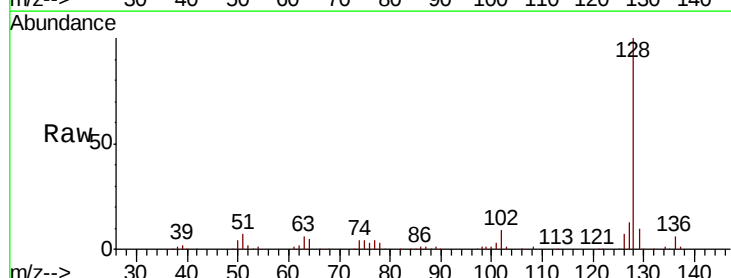
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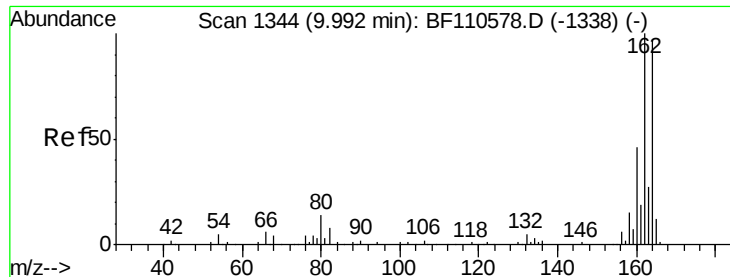
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#31
Naphthalene
Concen: 18.173 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.8	16.2





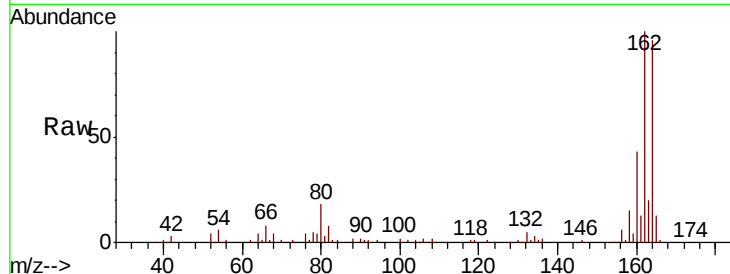
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.0	124.6
160	45.5	37.0	55.6

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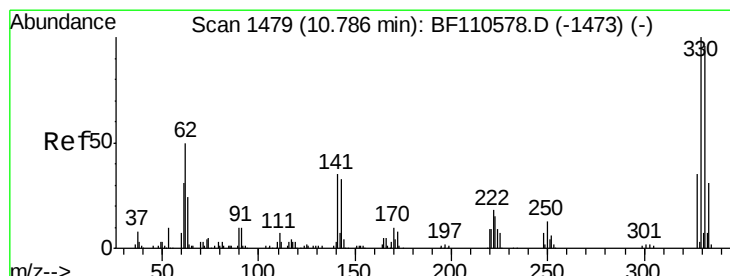
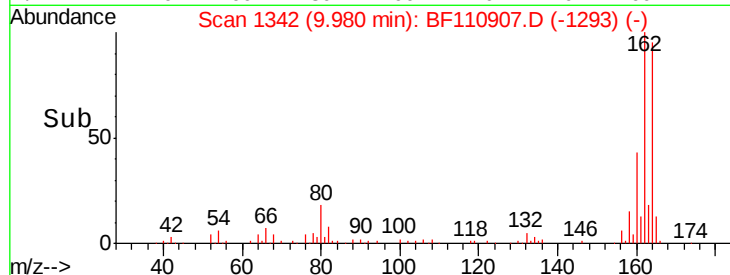
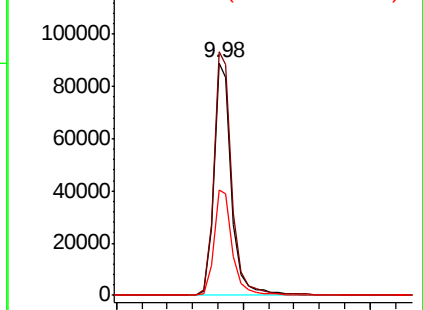


Abundance

Ion 164.00 (163.70 to 164.70): E

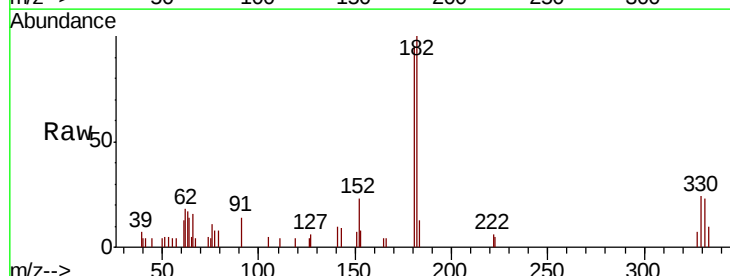
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 2.242 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.1	115.7
141	42.6	27.0	40.4

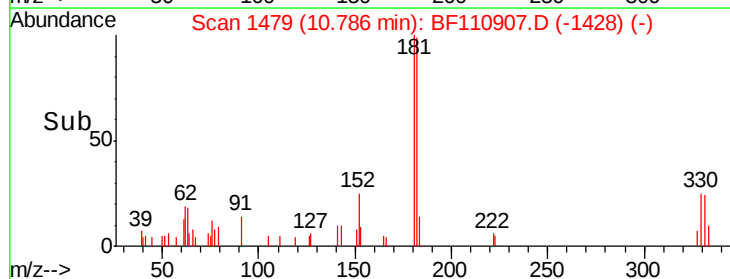
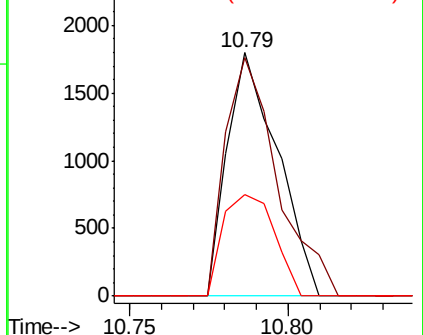


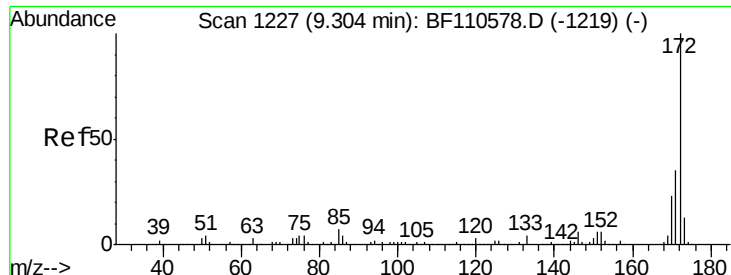
Abundance

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





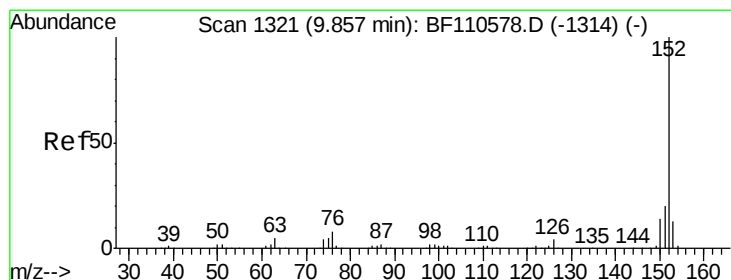
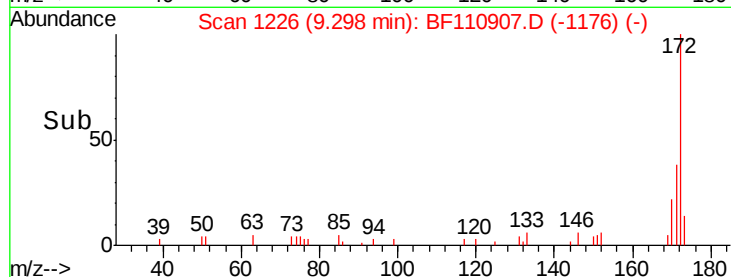
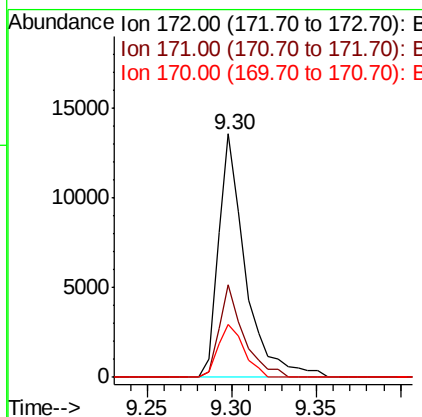
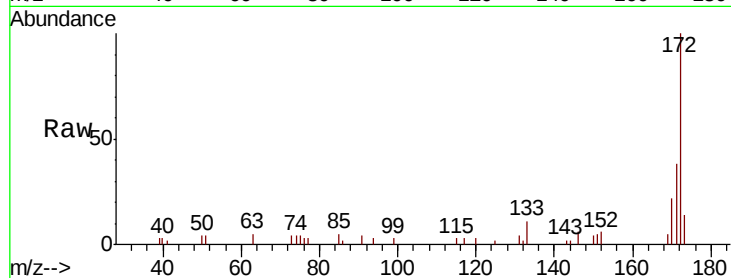
#45
2-Fluorobiphenyl
Concen: 2.457 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.6	43.0
170	21.6	19.7	29.5

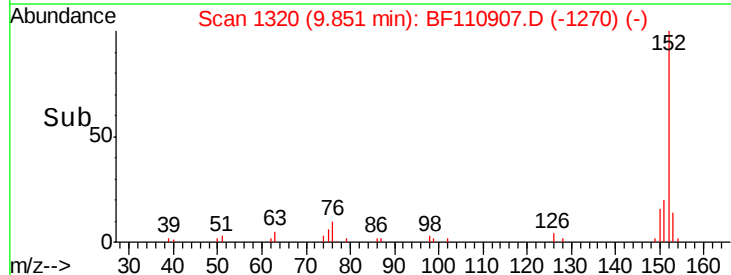
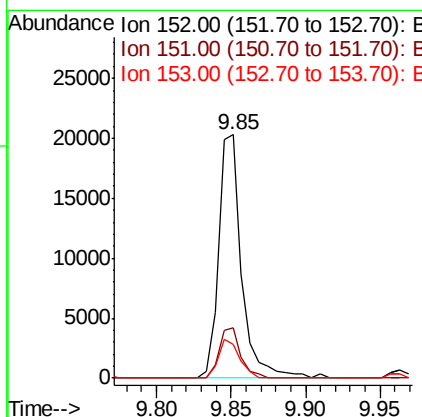
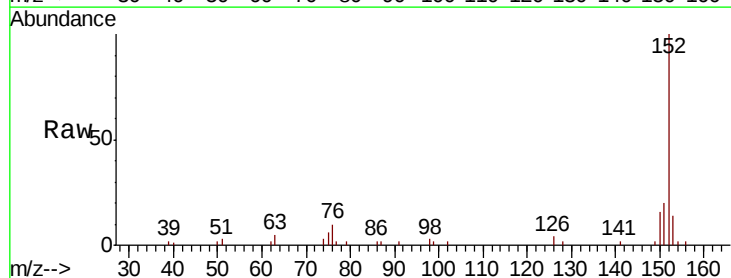
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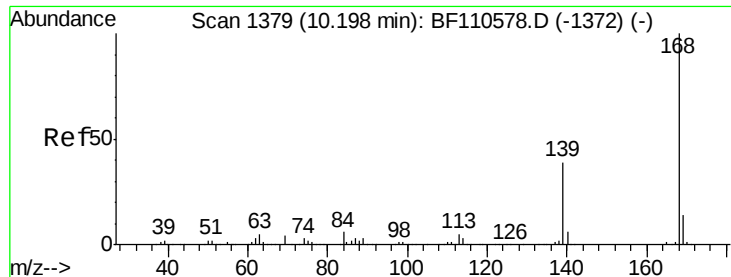
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#49
Acenaphthylene
Concen: 2.598 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.8	23.8
153	14.0	10.4	15.6





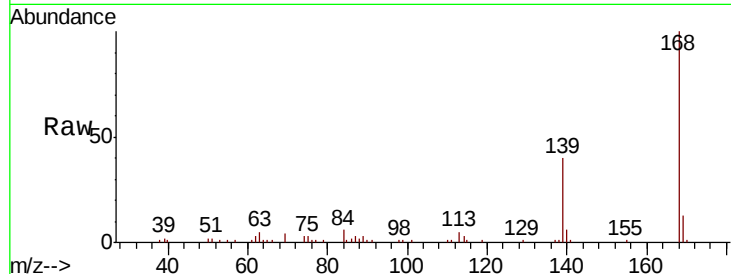
#55
Dibenzofuran
Concen: 8.114 ng
RT: 10.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.7	33.0	49.6
169	13.1	11.3	16.9

Manual Integrations
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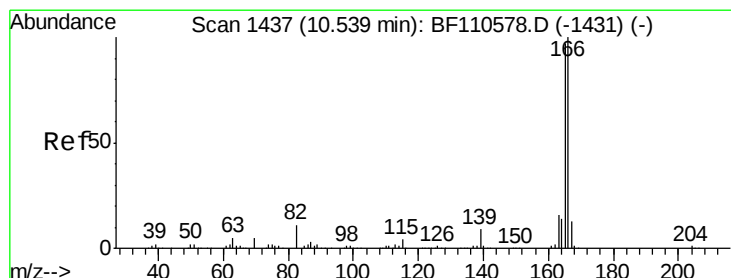
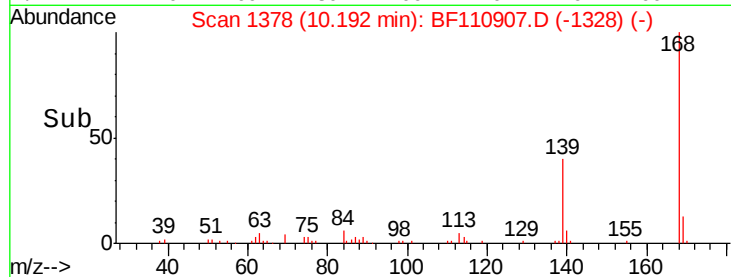
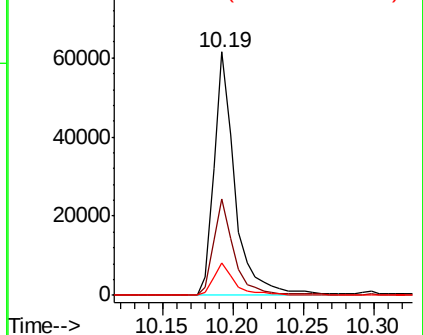


Abundance

Ion 168.00 (167.70 to 168.70): E

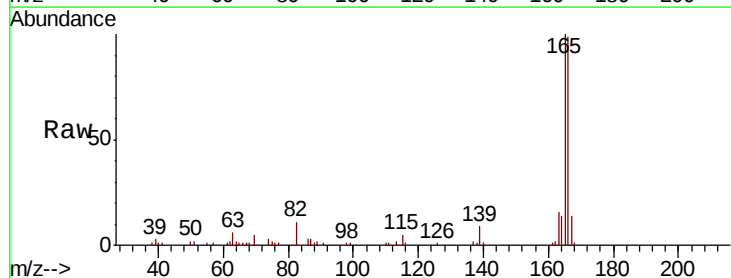
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 9.406 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	78.6	117.8
167	13.7	10.8	16.2

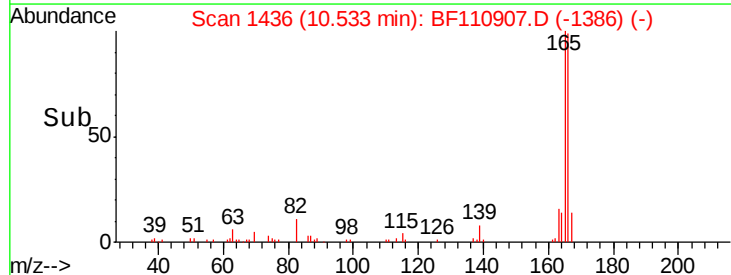
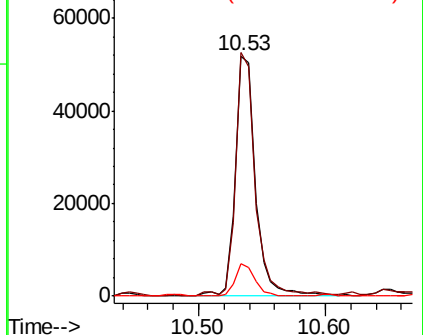


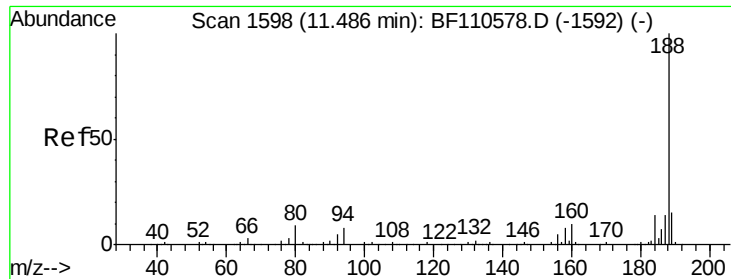
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110907.D

Acq: 20 Nov 2018 21:08

Instrument :

BNA_F

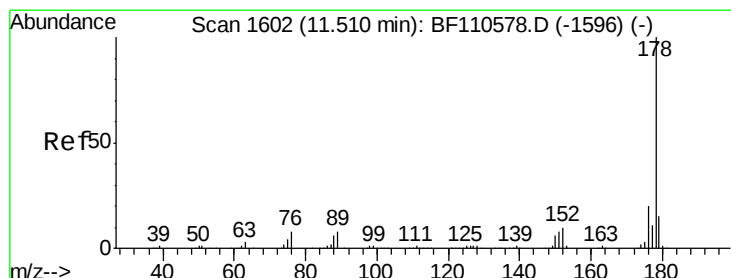
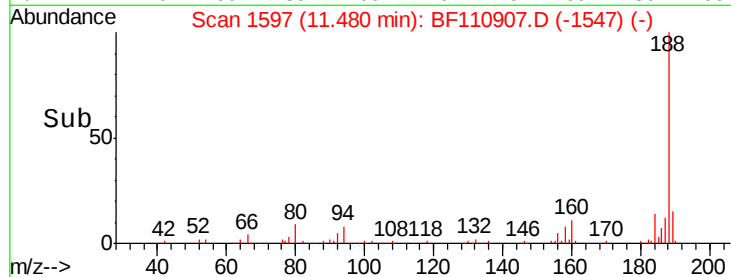
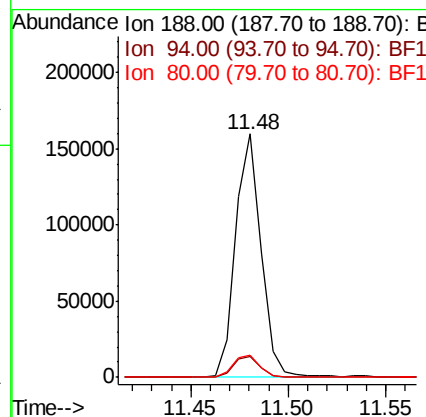
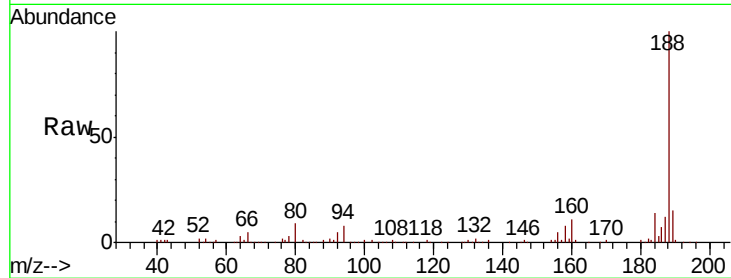
ClientSampleId :

DTW-03(8-10)DL

Tot Ion:	188	Resp:	145292
Ion Ratio	Lower	Upper	
188	100		
94	8.5	7.2	10.8
80	9.1	7.9	11.9

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#71

Phenanthrene

Concen: 50.985 ng

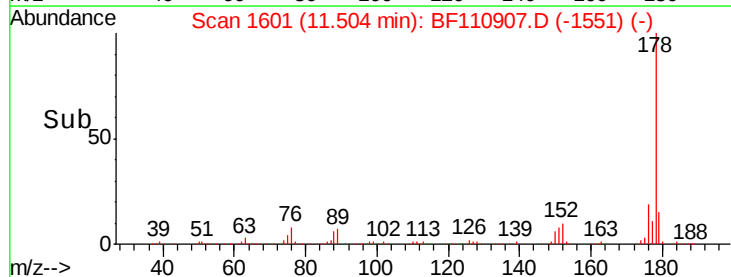
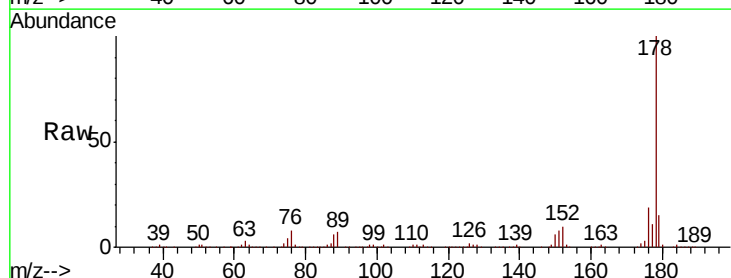
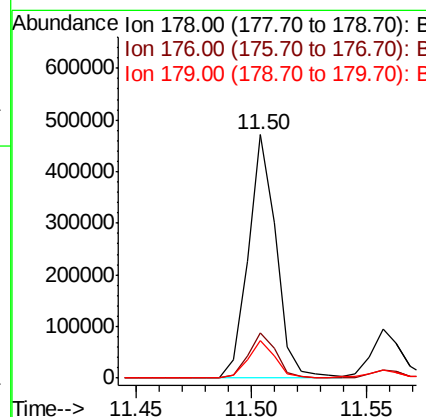
RT: 11.50 min Scan# 1601

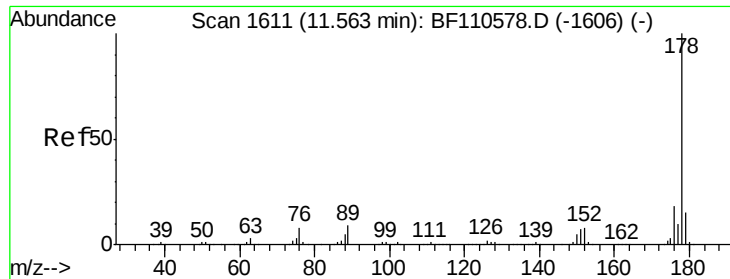
Delta R.T. -0.01 min

Lab File: BF110907.D

Acq: 20 Nov 2018 21:08

Tgt Ion:	178	Resp:	396867
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	15.2	12.5	18.7





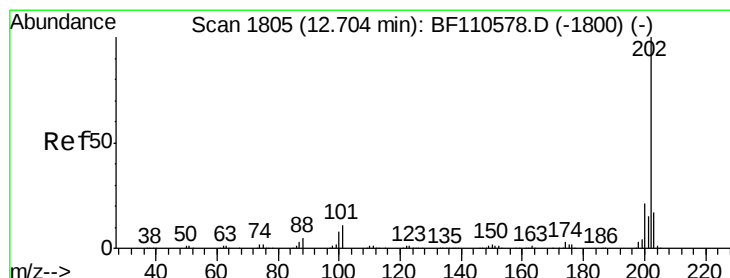
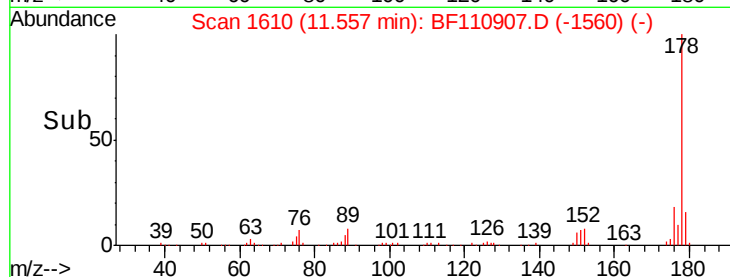
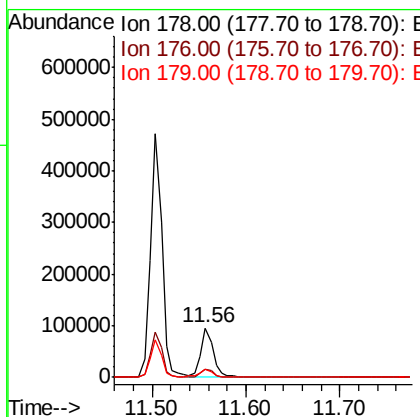
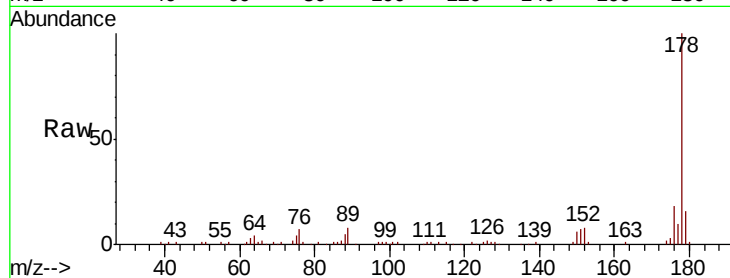
#72
 Anthracene
 Concen: 11.595 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	16.1	12.6	18.8

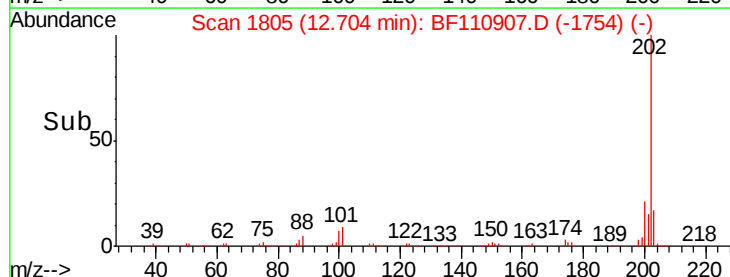
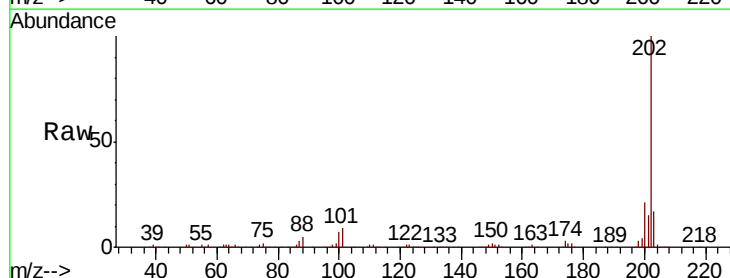
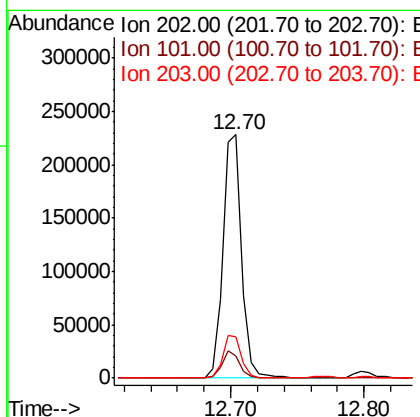
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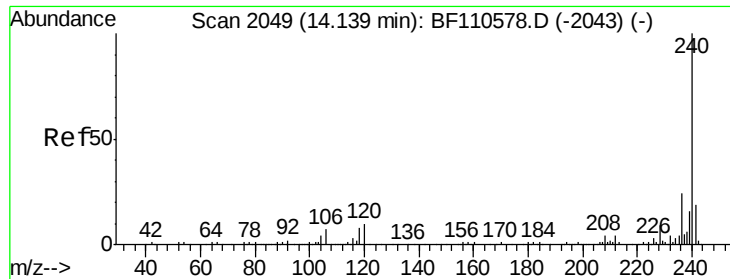
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#75
 Fluoranthene
 Concen: 28.889 ng
 RT: 12.70 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.4
203	16.9	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110907.D

Acq: 20 Nov 2018 21:08

Instrument :

BNA_F

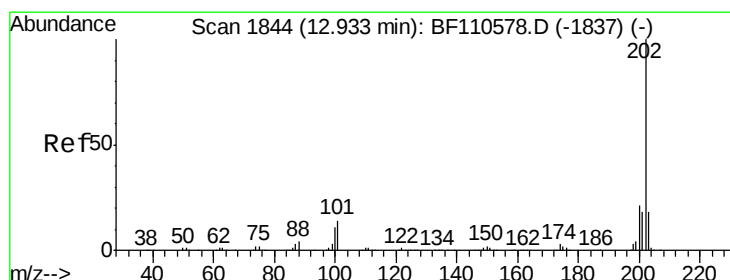
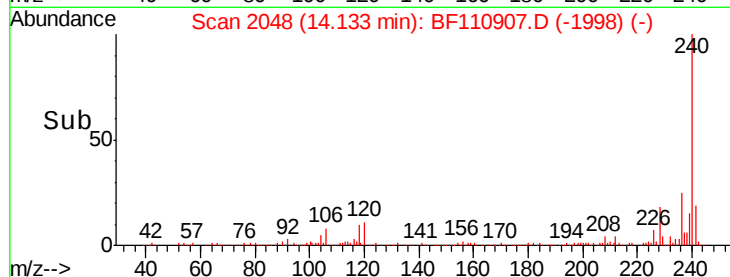
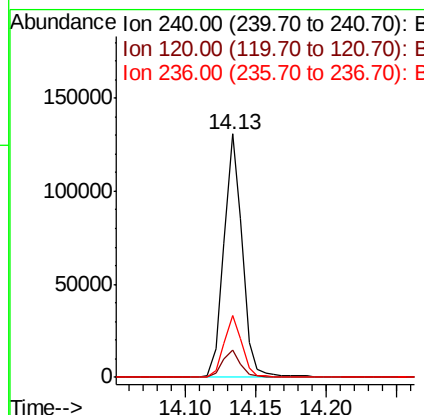
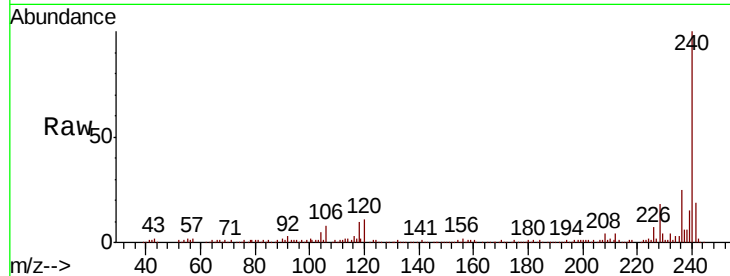
ClientSampleID :

DTW-03(8-10)DL

Tot Ion:	240	Resp:	118242
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.3	12.5
236	25.4	21.2	31.8

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#78

Pyrene

Concen: 17.203 ng

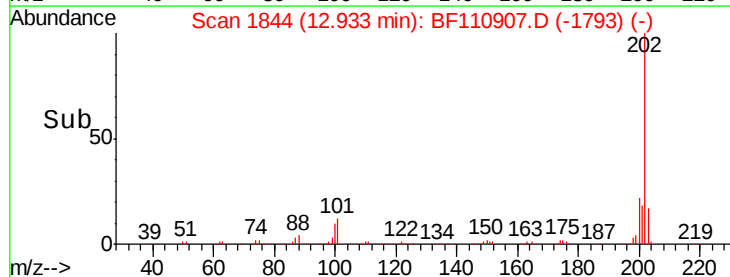
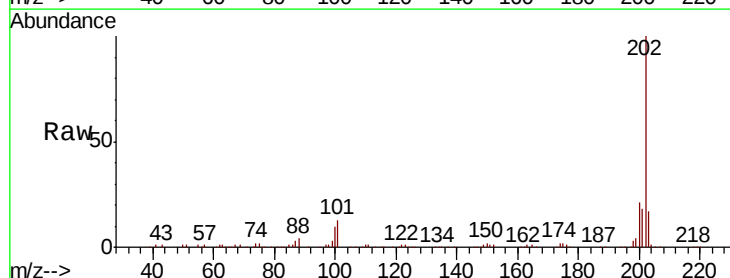
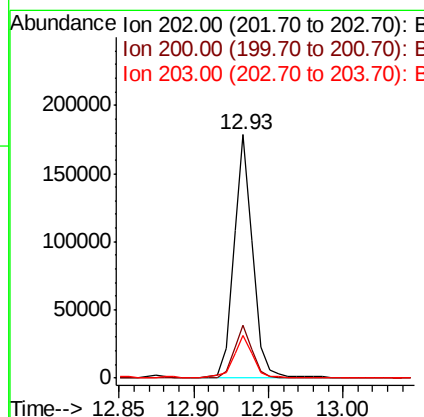
RT: 12.93 min Scan# 1844

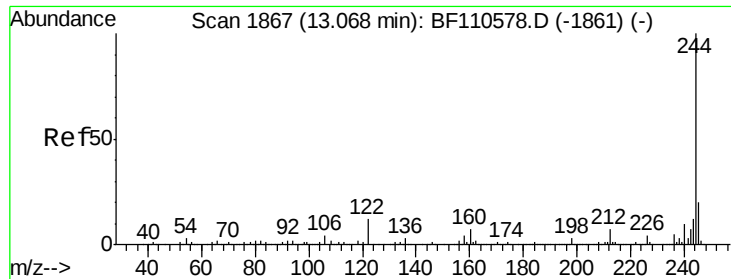
Delta R.T. 0.00 min

Lab File: BF110907.D

Acq: 20 Nov 2018 21:08

Tgt Ion:	202	Resp:	156626
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.8	26.6
203	17.4	14.2	21.4





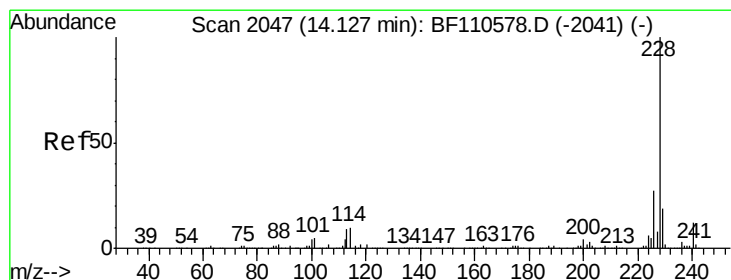
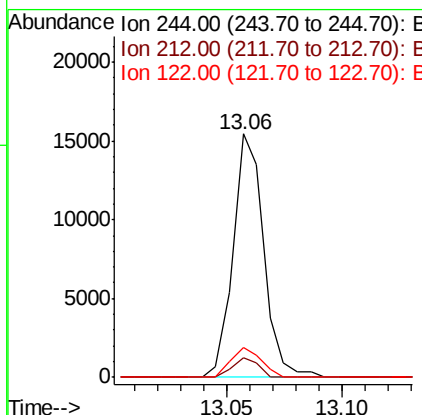
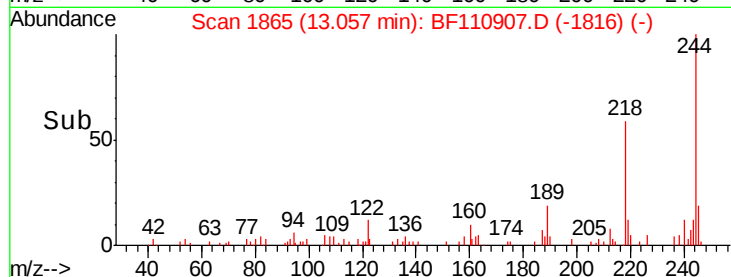
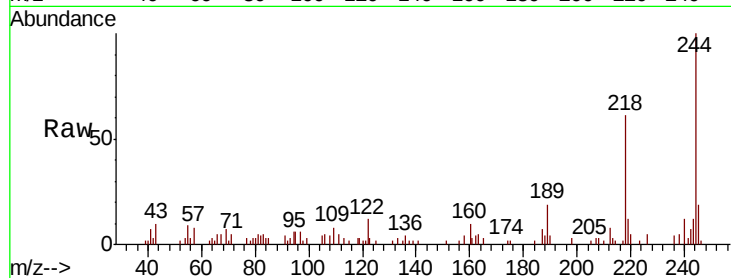
#79
 Terphenyl-d14
 Concen: 2.263 ng
 RT: 13.06 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	12.1	8.7	13.1

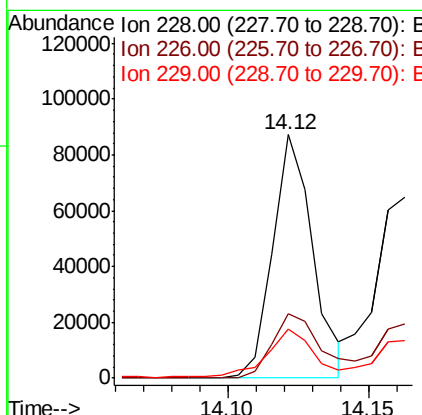
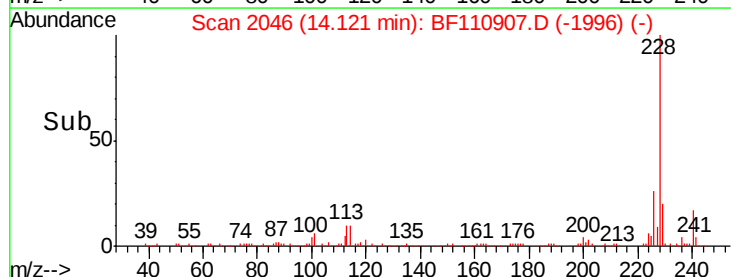
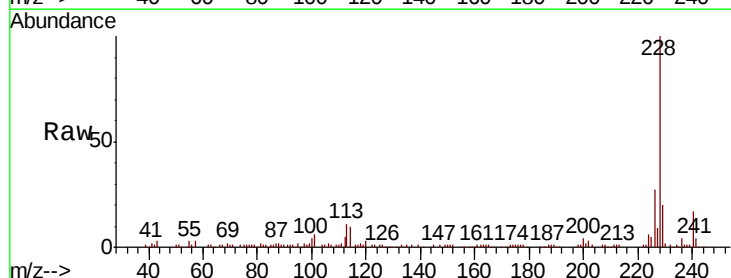
Manual Integrations
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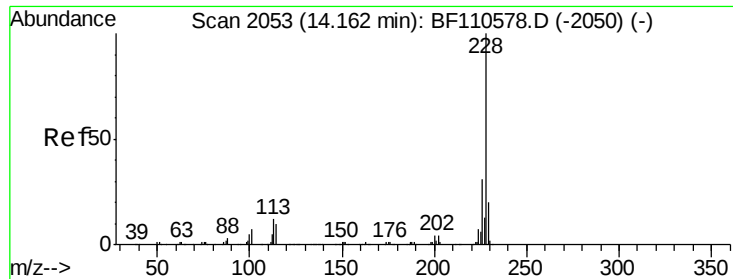
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#81
 Benzo(a)anthracene
 Concen: 12.191 ng
 RT: 14.12 min Scan# 2046
 Delta R.T. -0.01 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.1	33.1
229	20.1	15.6	23.4





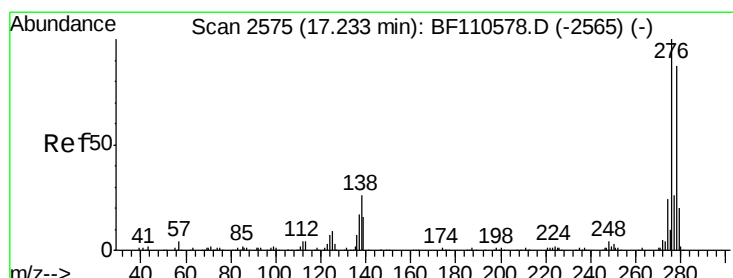
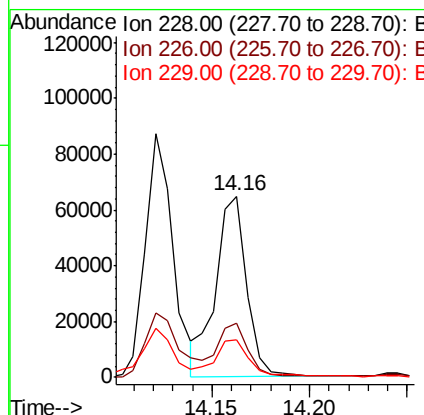
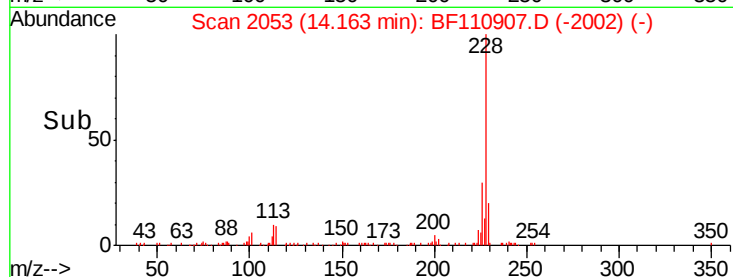
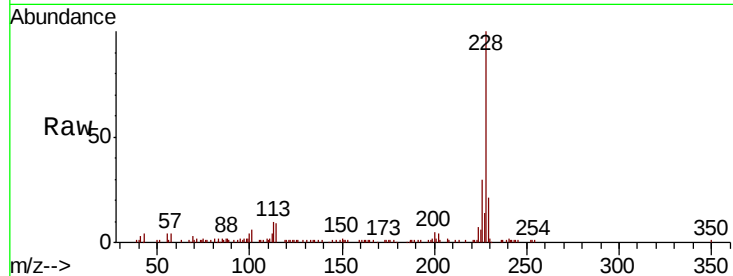
#83
Chrysene
Concen: 10.621 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	21.0	15.9	23.9

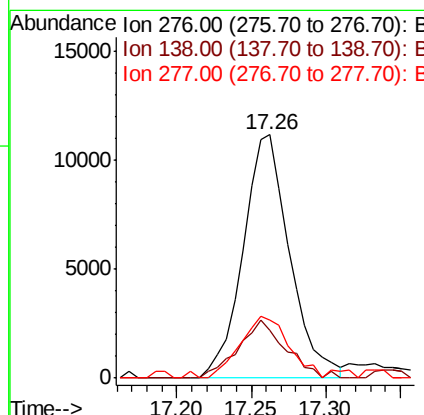
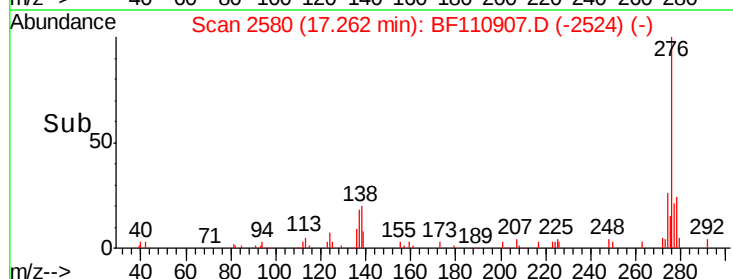
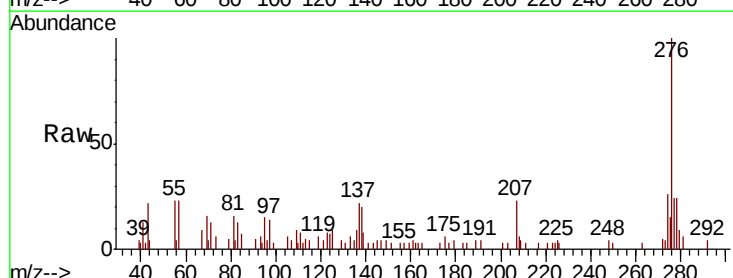
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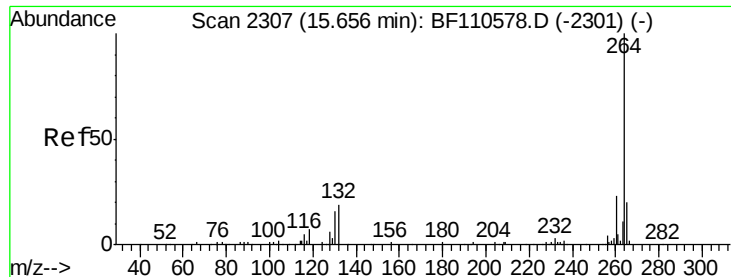
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.012 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.03 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.5	27.7
277	26.3	20.0	30.0





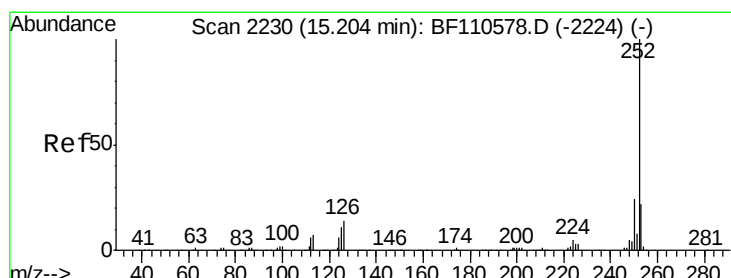
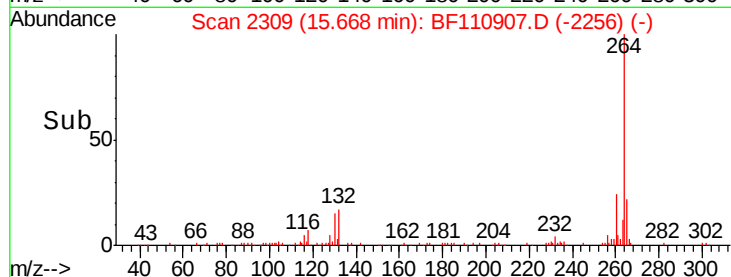
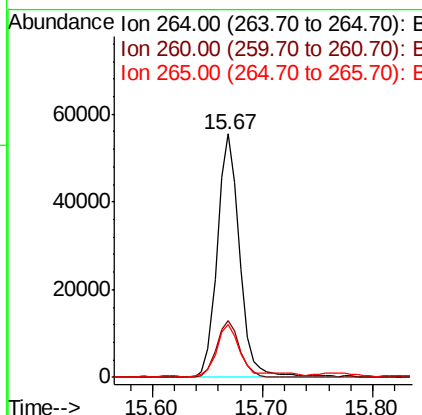
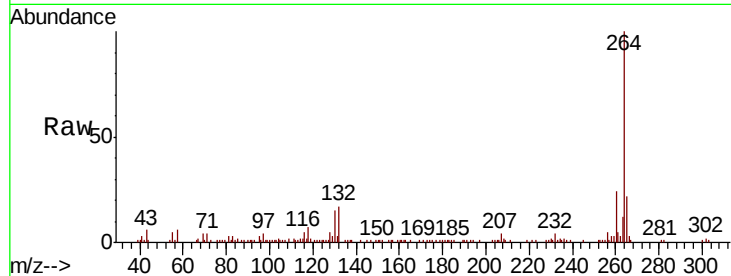
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.9	16.7	25.1

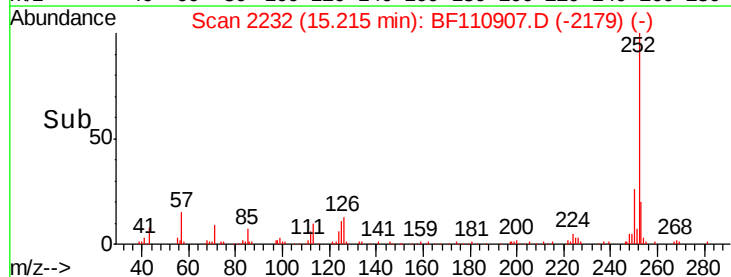
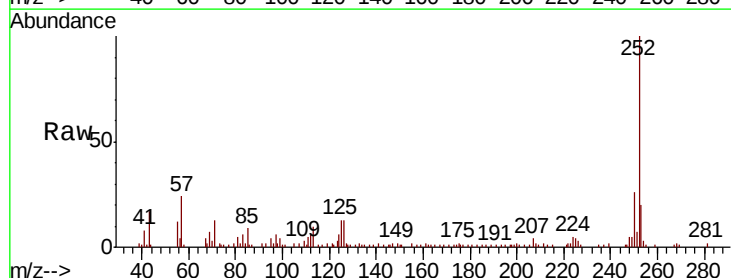
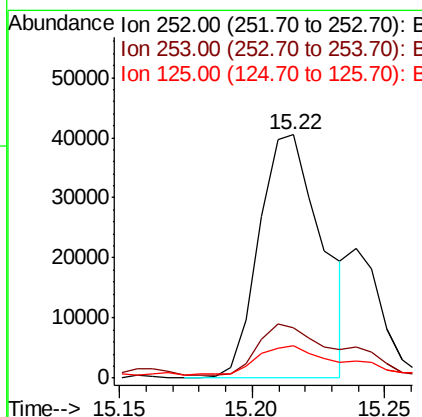
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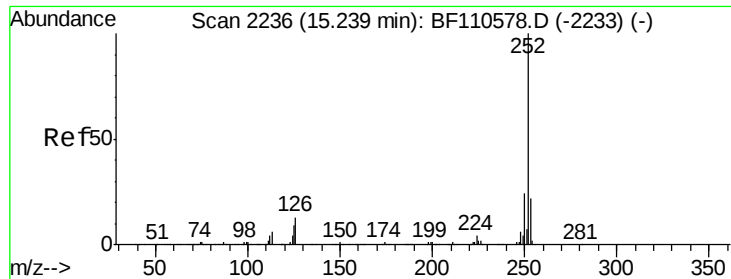
Sohil
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#88
Benzo(b)fluoranthene
Concen: 14.314 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.2	25.8
125	13.1	8.2	12.4#





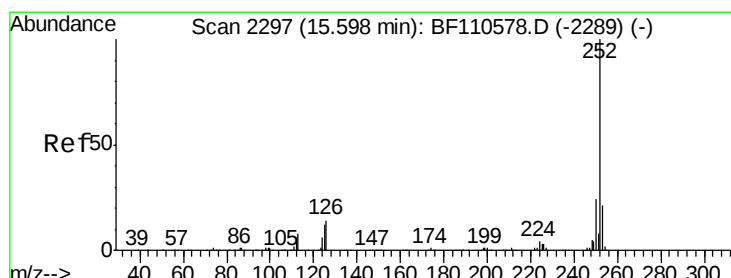
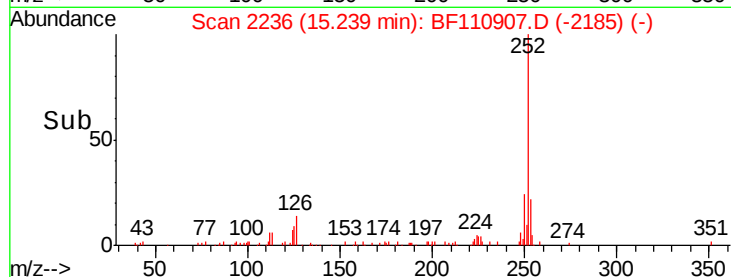
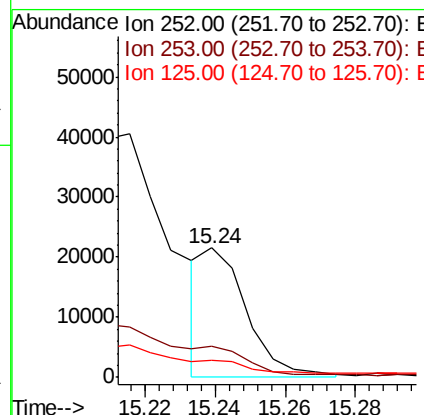
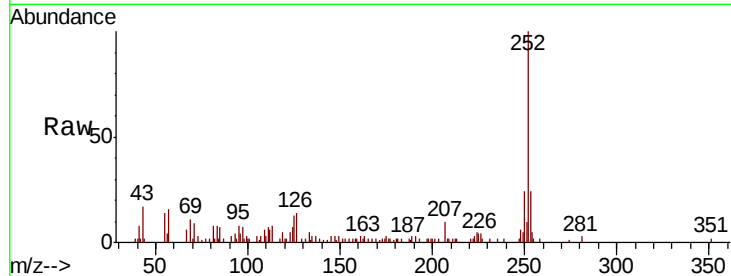
#89
Benzo(k)fluoranthene
Concen: 4.083 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.2	25.8
125	13.2	7.4	11.0

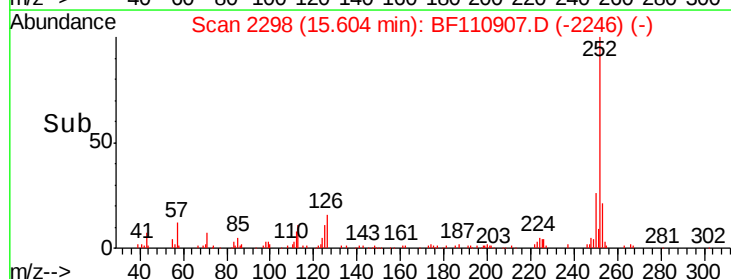
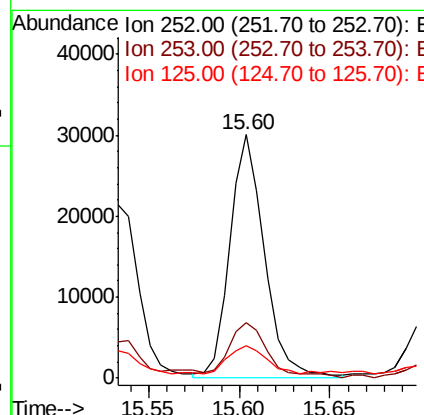
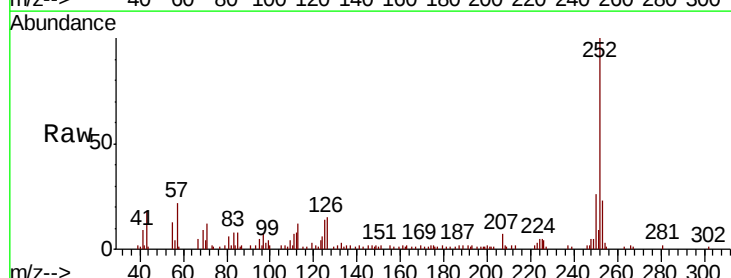
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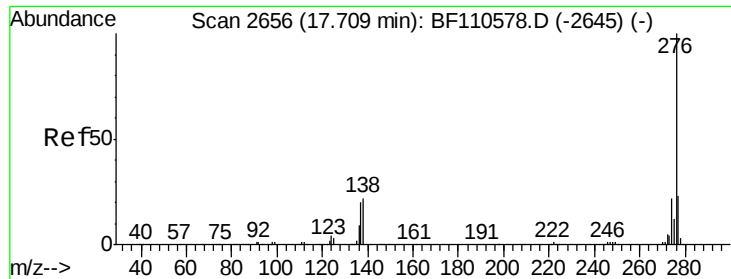
Sohil
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#90
Benzo(a)pyrene
Concen: 9.411 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110907.D
Acq: 20 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.5	9.0	13.6





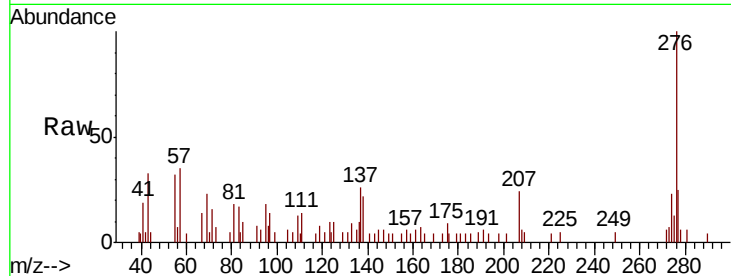
#92
 Benzo(a,h,i)perylene
 Concen: 6.012 ng
 RT: 17.74 min Scan# 2662
 Delta R.T. 0.04 min
 Lab File: BF110907.D
 Acq: 20 Nov 2018 21:08

Instrument :
 BNA_F
 ClientSampleId :
 DTW-03(8-10)DL

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.3	18.8	28.2	
138	22.3	16.0	24.0	

Manual Integrations
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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

