

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
 Data File : BF110860.D
 Acq On : 19 Nov 2018 18:26
 Operator : JU/SJ
 Sample : J5981-06 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Manual Integrations
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 11/20/2018 11:07:43 AM

Quant Time: Nov 20 04:16:26 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	59126	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	246849	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	108523	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	169529	20.00	ng	-0.01
76) Chrysene-d12	14.13	240	146444	20.00	ng	-0.01
87) Perylene-d12	15.66	264	102689	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	78952	21.69	ng	0.00
7) Phenol-d6	6.57	99	107215	23.03	ng	0.00
23) Nitrobenzene-d5	7.51	82	67214	15.68	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	18950	17.33	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	125072	16.46	ng	0.00
79) Terphenyl-d14	13.06	244	97160	12.43	ng	-0.01
Target Compounds						
71) Phenanthrene	11.50	178	102493	11.285	ng	98
72) Anthracene	11.56	178	28602	3.122	ng	98
75) Fluoranthene	12.70	202	148078	16.262	ng	99
78) Pyrene	12.93	202	136560	12.111	ng	97
81) Benzo(a)anthracene	14.12	228	69579	7.949	ng	100
83) Chrysene	14.16	228	65208	7.820	ng	98
86) Indeno(1,2,3-cd)pyrene	17.24	276	22222	3.714	ng	95
88) Benzo(b)fluoranthene	15.20	252	65706m	10.696	ng	
89) Benzo(k)fluoranthene	15.23	252	16997m	2.800	ng	
90) Benzo(a)pyrene	15.60	252	43071	7.717	ng	96
92) Benzo(g,h,i)perylene	17.72	276	20341	4.340	ng	95

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

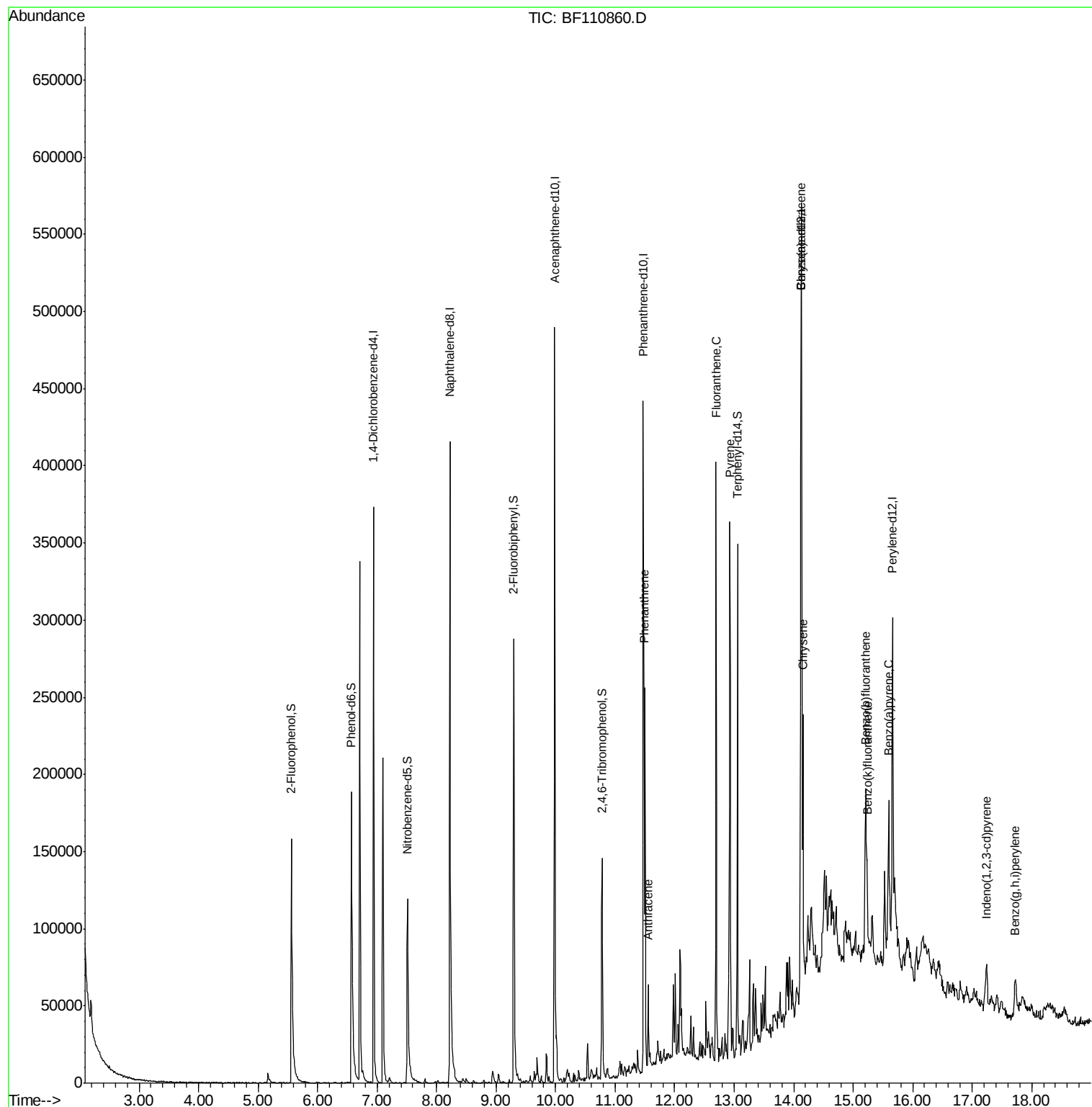
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111918\
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Misc :
ALS Vial : 20 Sample Multiplier: 1

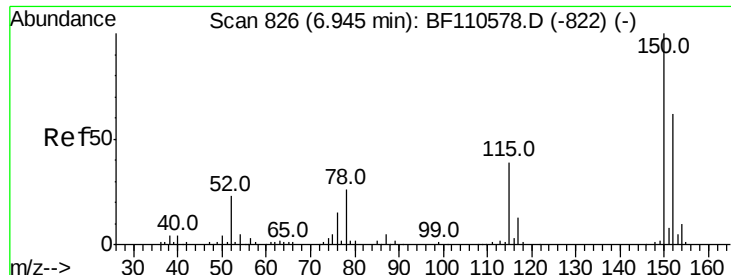
Instrument :
BNA_F
ClientSampleId :
DUP-01

Quant Time: Nov 20 04:16:26 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
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#1

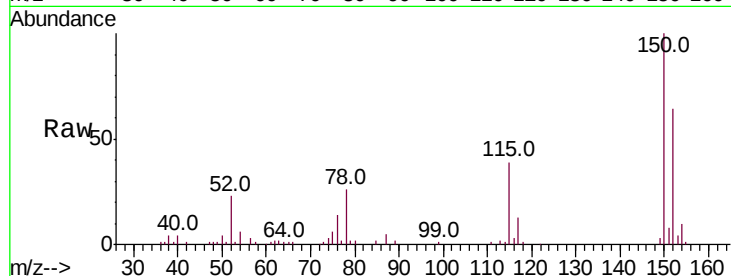
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.7	184.1
115	61.1	49.1	73.7

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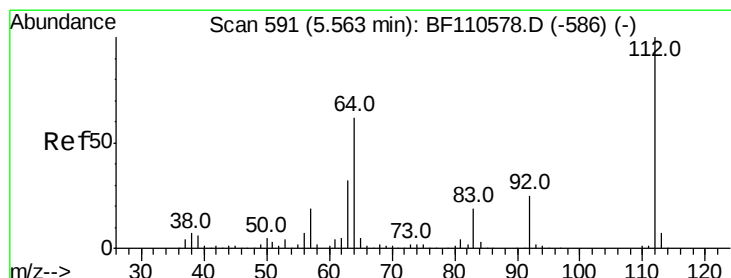
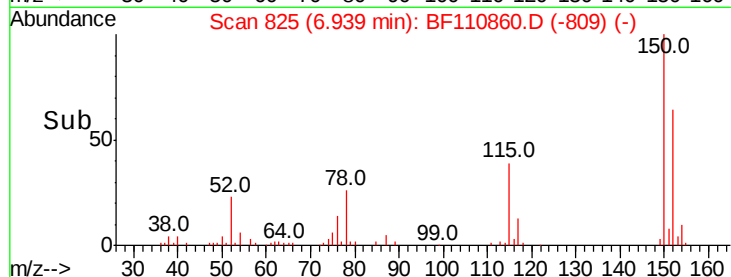
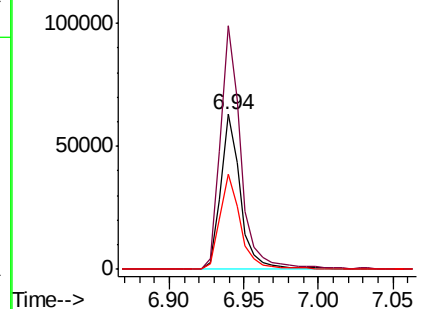


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

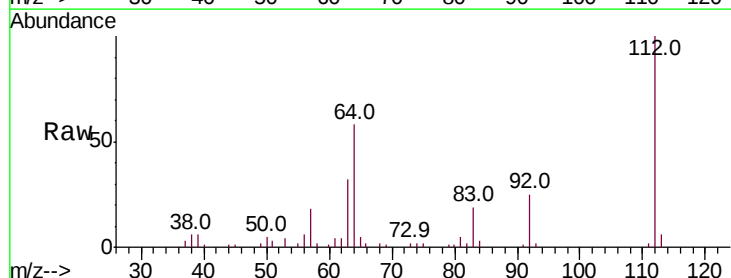
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.690 ng
RT: 5.56 min Scan# 591
Delta R.T. -0.00 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.1	66.1
63	32.2	23.7	35.5

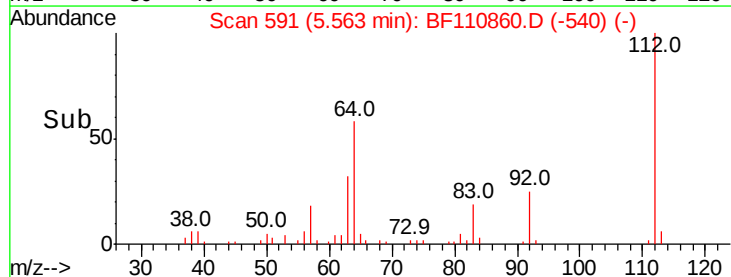
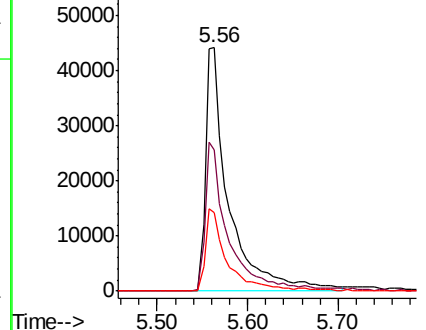


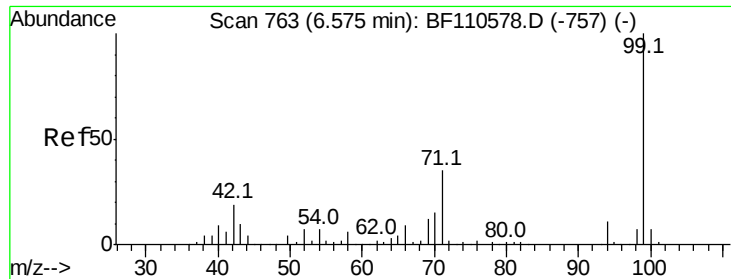
Abundance

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: 23.033 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Instrument :

BNA_F

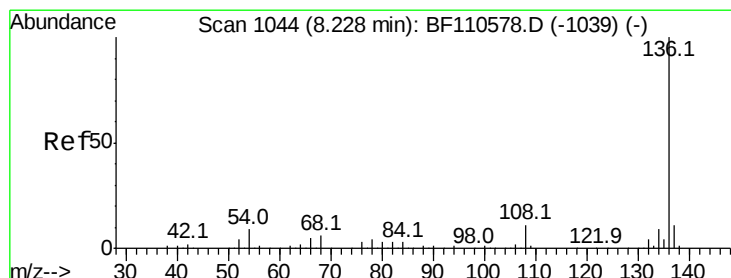
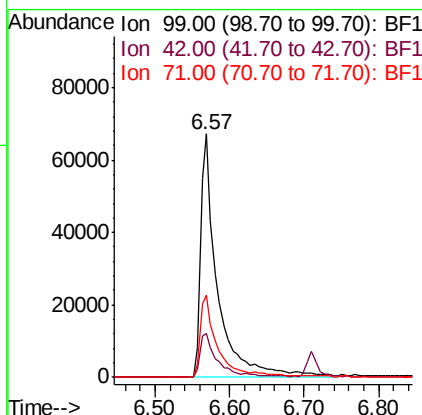
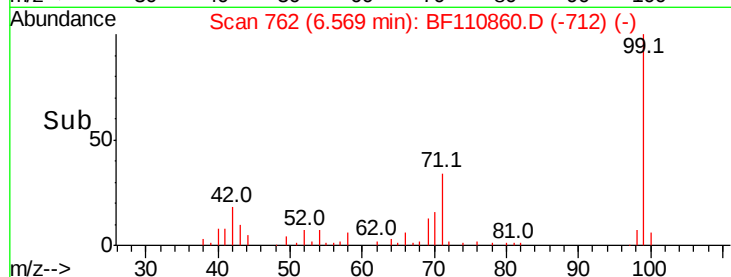
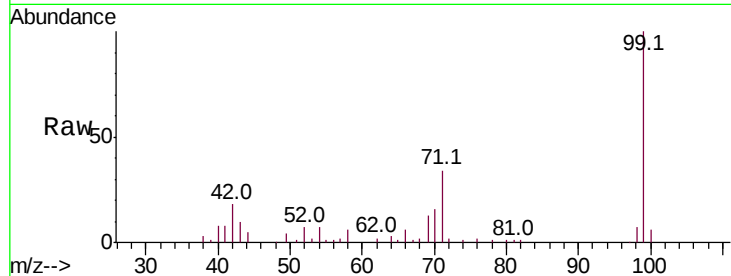
ClientSampled :

DUP-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		107215		
42	17.9	15.8	23.6		
71	33.9	28.0	42.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

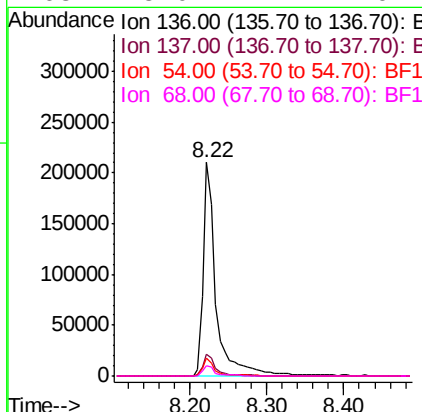
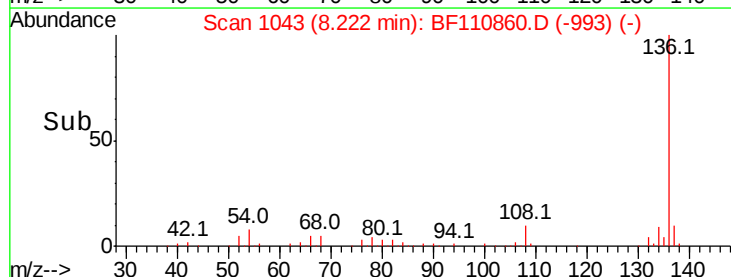
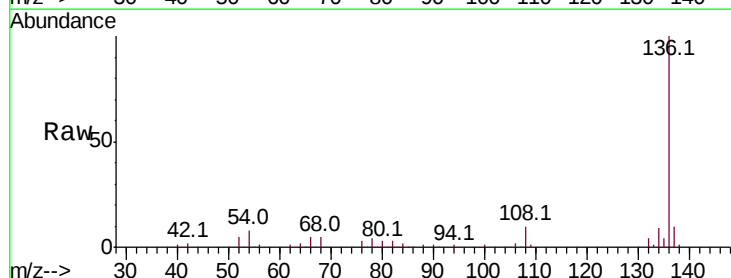
RT: 8.22 min Scan# 1043

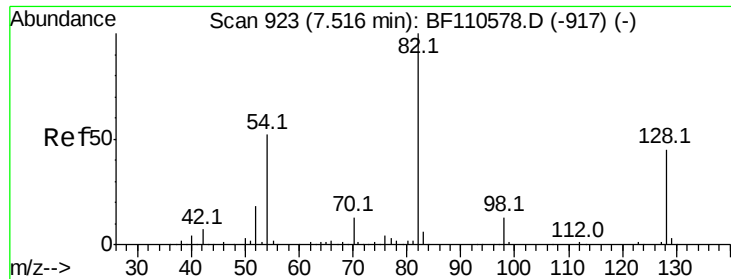
Delta R.T. -0.01 min

Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		246849		
137	10.1	8.8	13.2		
54	8.1	5.4	8.2		
68	5.0	4.2	6.2		





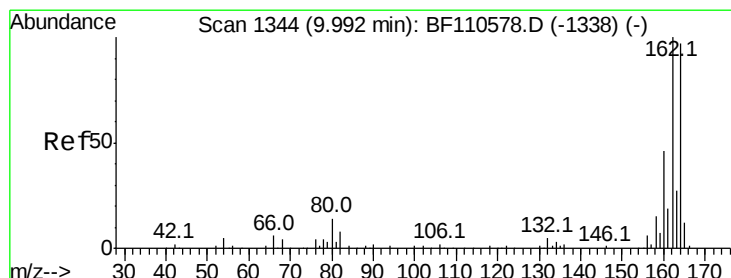
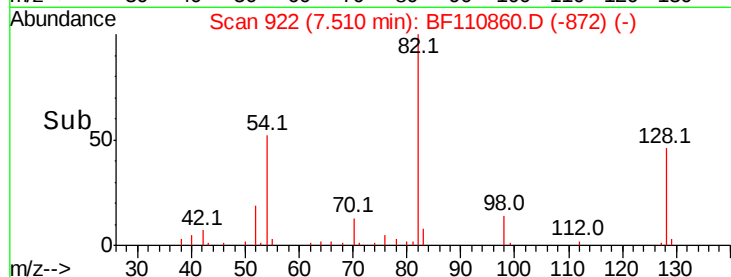
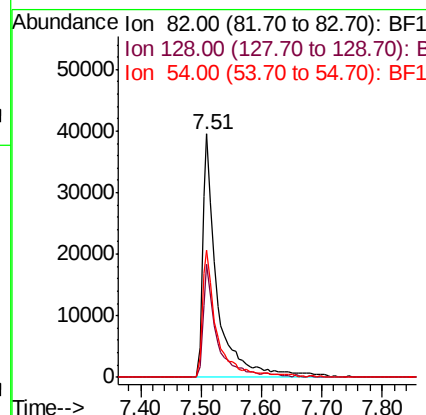
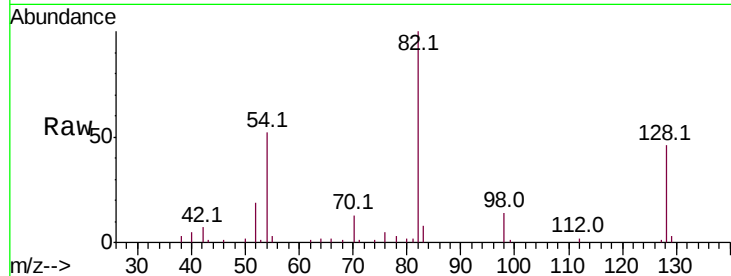
#23
Nitrobenzene-d5
Concen: 15.681 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Instrument :
BNA_F
ClientSampled :
DUP-01

Tot Ion	82	Resp	67214
Ion Ratio	Lower	Upper	
82	100		
128	46.3	34.2	51.2
54	52.4	38.6	58.0

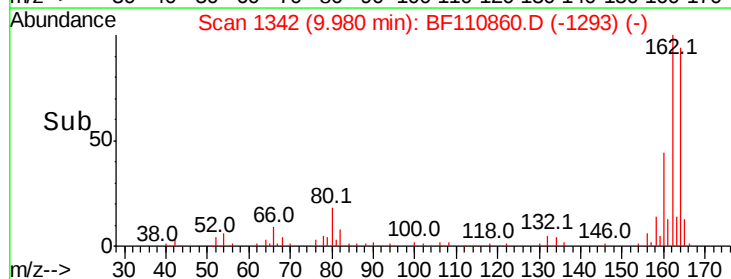
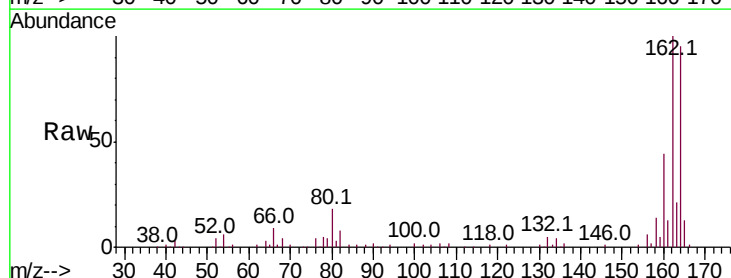
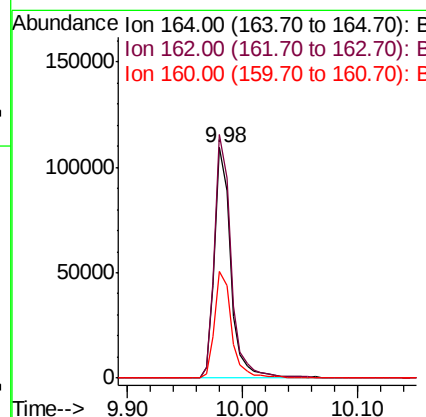
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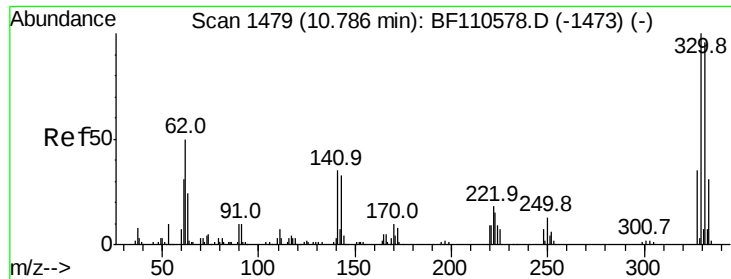
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Tgt Ion	164	Resp	108523
Ion Ratio	Lower	Upper	
164	100		
162	105.7	83.0	124.6
160	46.4	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 17.330 ng

RT: 10.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Instrument :

BNA_F

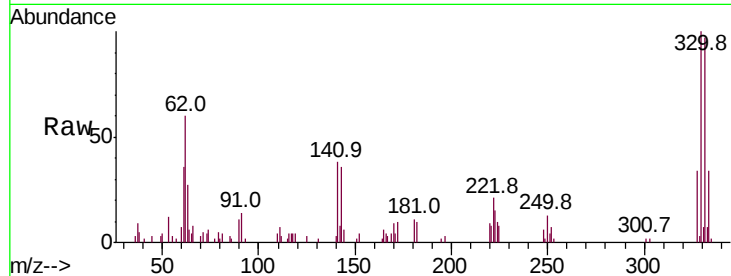
ClientSampled :

DUP-01

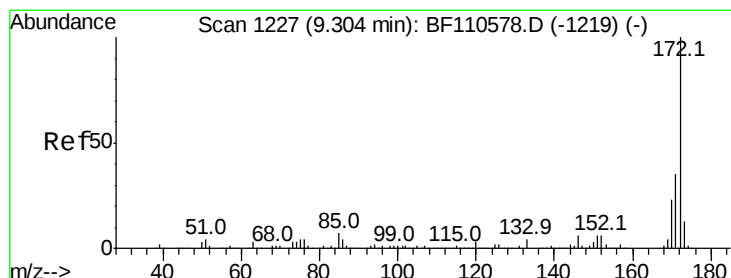
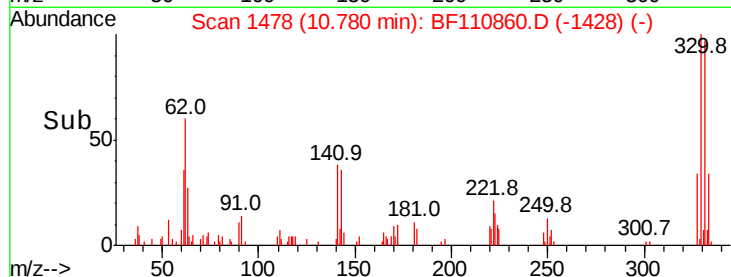
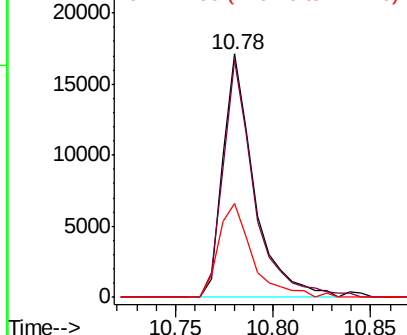
Tot Ion:	330	Resp:	18950
Ion Ratio	Lower	Upper	
330	100		
332	97.9	77.1	115.7
141	41.8	27.0	40.4#

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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



#45

2-Fluorobiphenyl

Concen: 16.460 ng

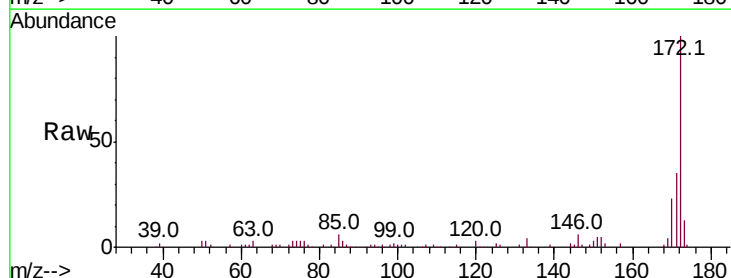
RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

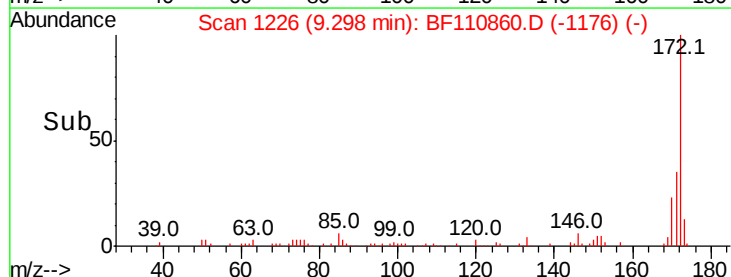
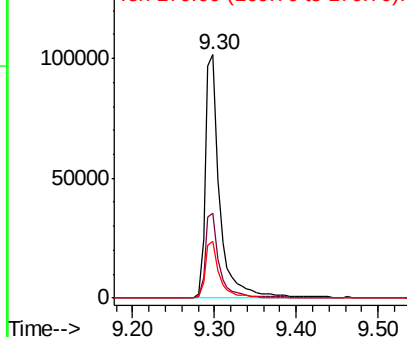
Lab File: BF110860.D

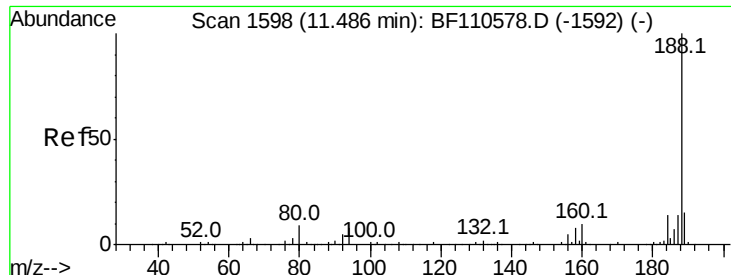
Acq: 19 Nov 2018 18:26

Tgt Ion:	172	Resp:	125072
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.6	43.0
170	23.3	19.7	29.5



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





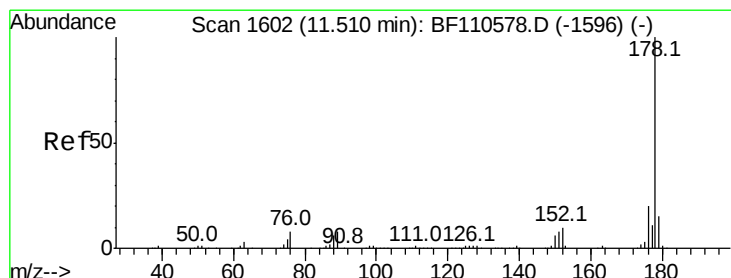
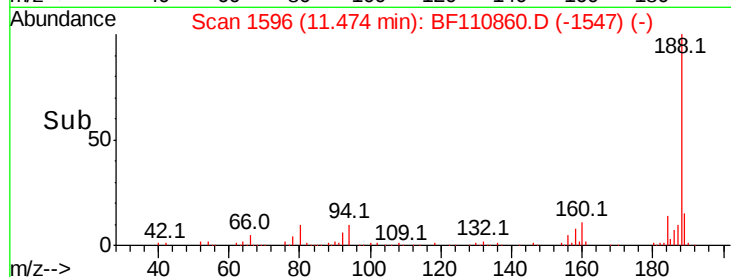
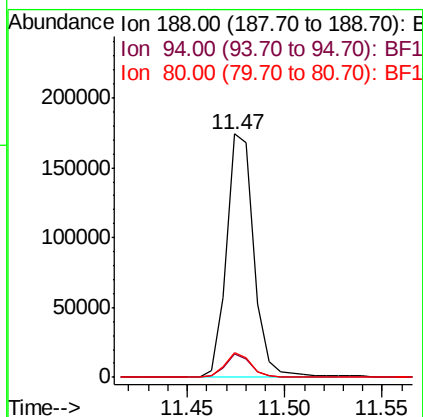
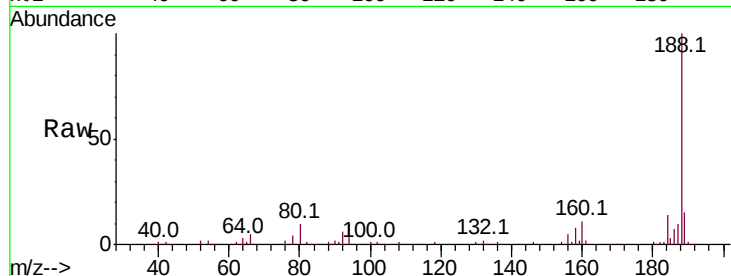
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.0	7.9	11.9

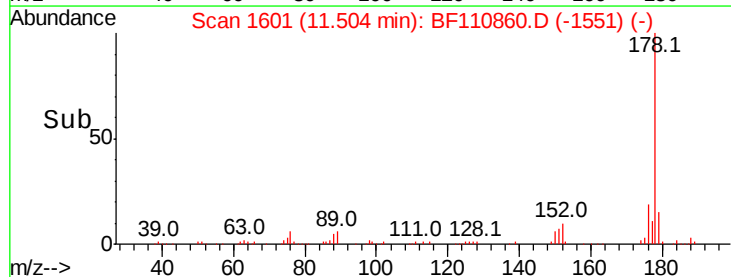
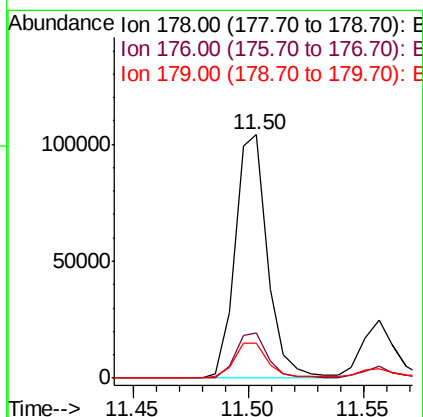
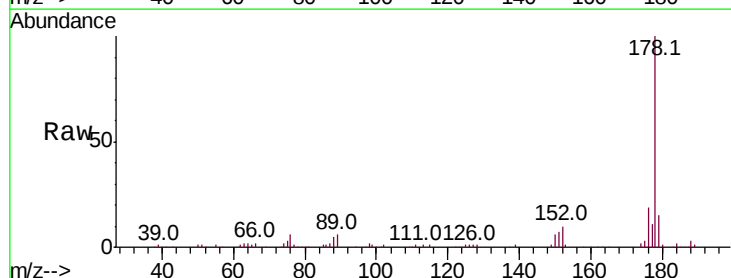
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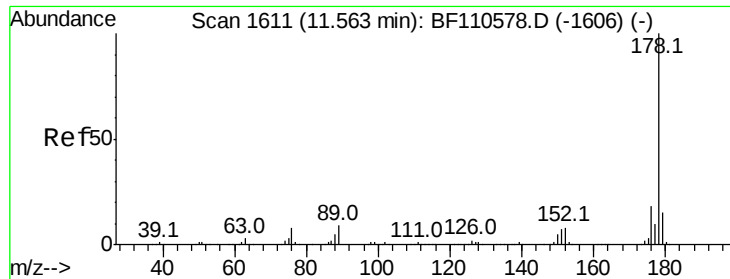
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#71
Phenanthrene
Concen: 11.285 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.5	23.3
179	14.6	12.5	18.7





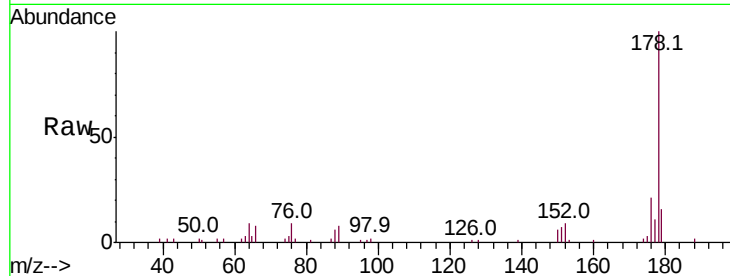
#72
 Anthracene
 Concen: 3.122 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110860.D
 Acq: 19 Nov 2018 18:26

Instrument :
 BNA_F
 ClientSampled :
 DUP-01

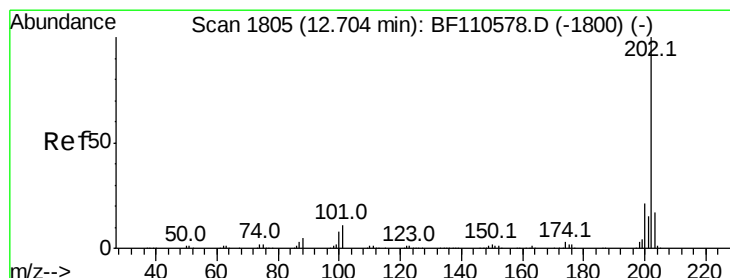
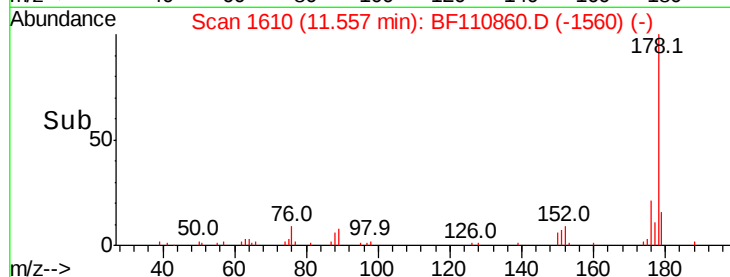
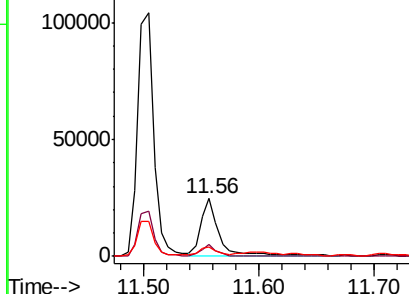
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	16.1	12.6	18.8

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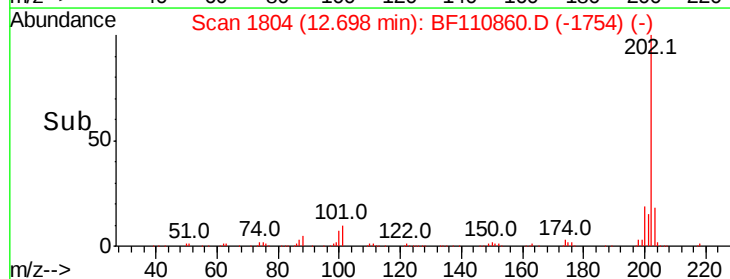
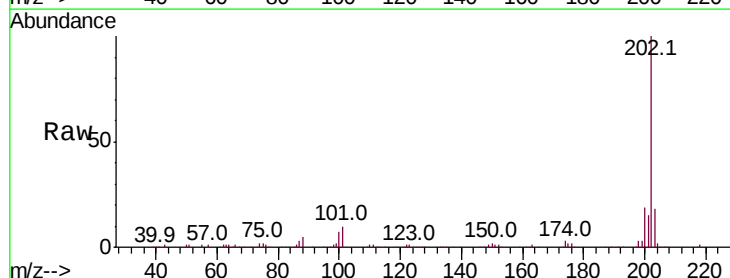
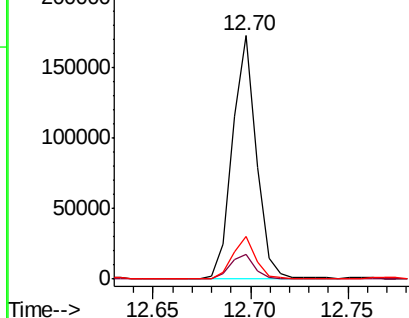
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

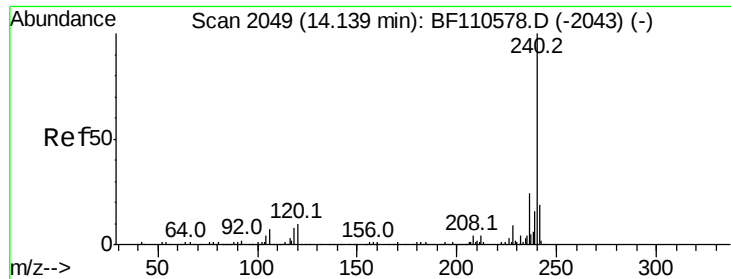


#75
 Fluoranthene
 Concen: 16.262 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110860.D
 Acq: 19 Nov 2018 18:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	17.6	0.0	37.7

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





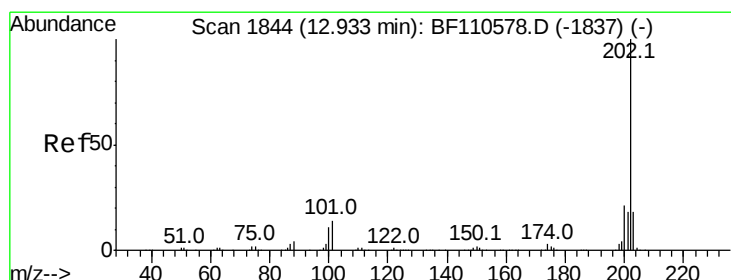
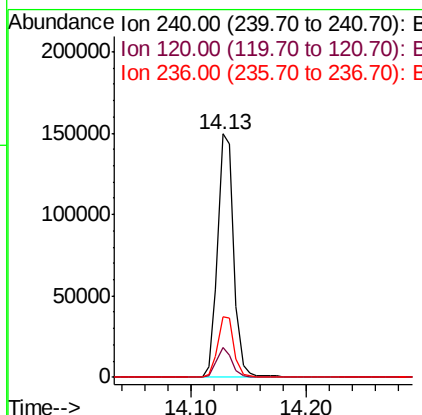
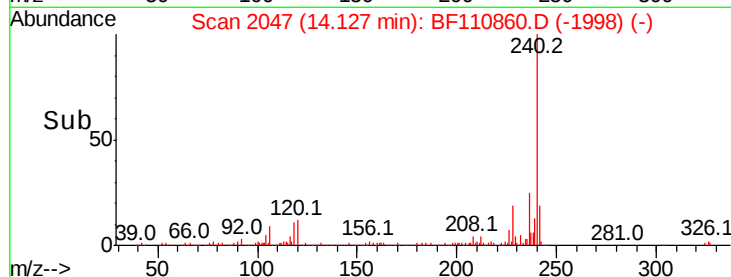
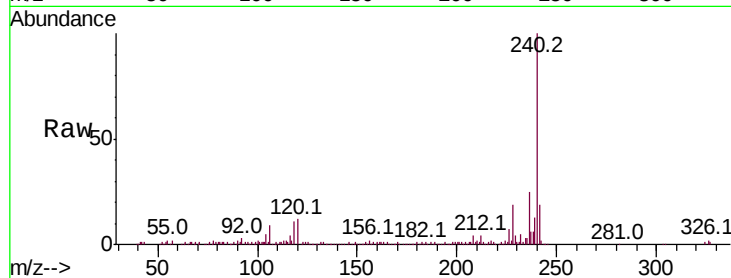
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.3	12.5
236	25.0	21.2	31.8

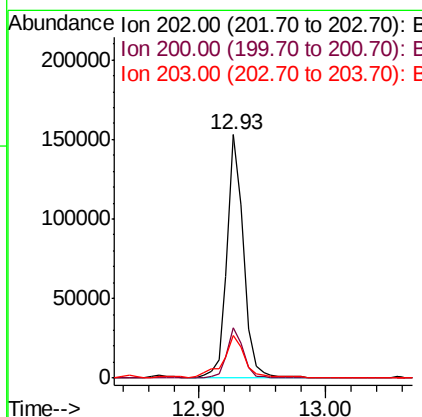
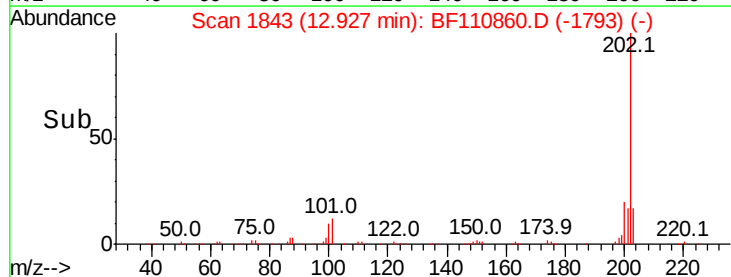
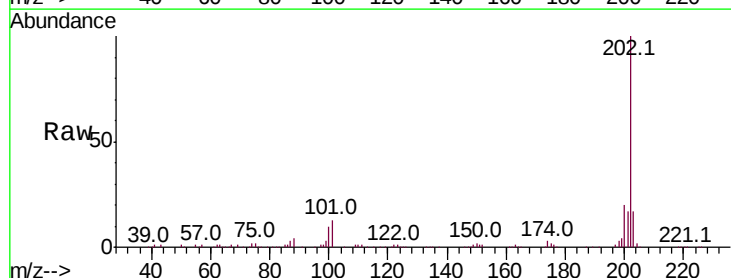
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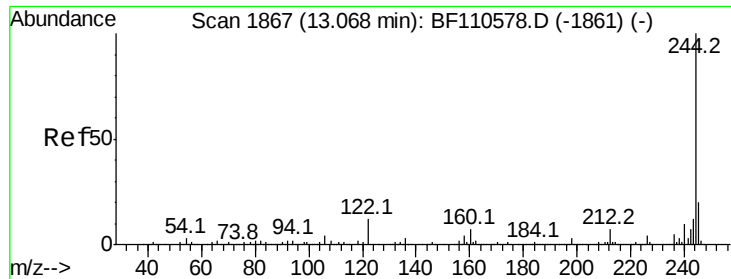
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#78
Pyrene
Concen: 12.111 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.8	26.6
203	17.3	14.2	21.4





#79

Terphenyl-d14

Concen: 12.425 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Instrument :

BNA_F

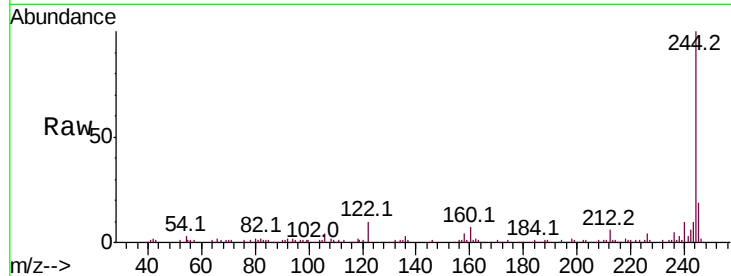
ClientSampleId :

DUP-01

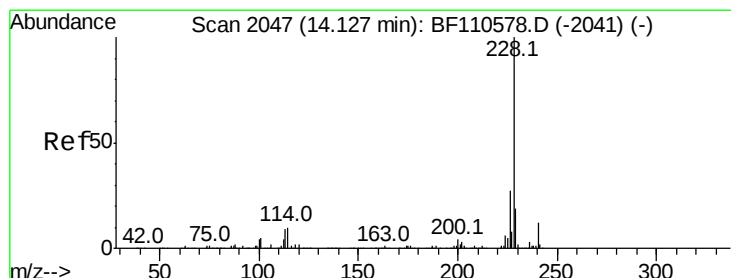
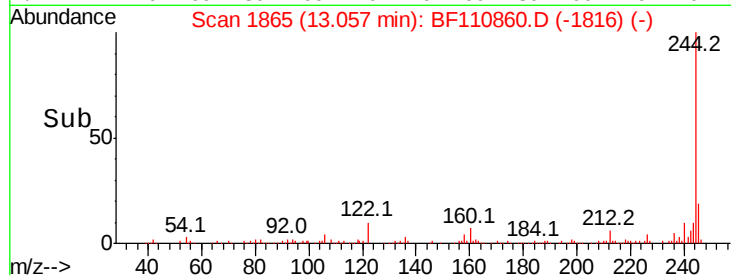
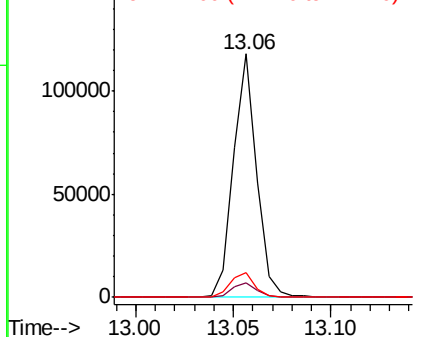
Tot Ion:	244	Resp:	97160
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.8	8.8
122	10.4	8.7	13.1

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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



#81

Benzo(a)anthracene

Concen: 7.949 ng

RT: 14.12 min Scan# 2046

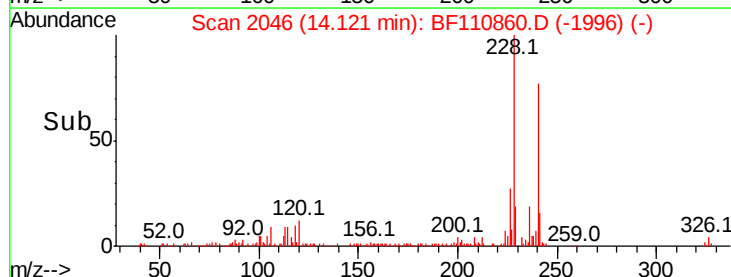
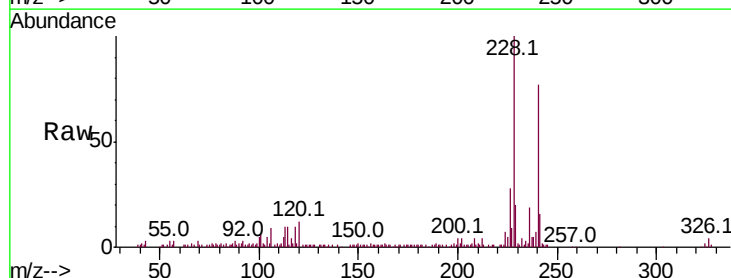
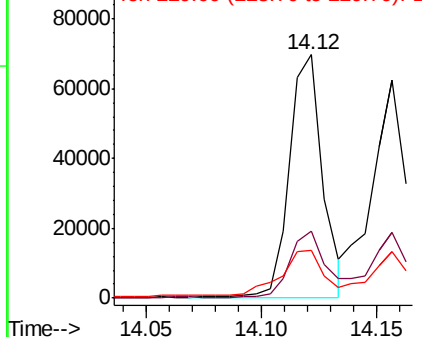
Delta R.T. -0.01 min

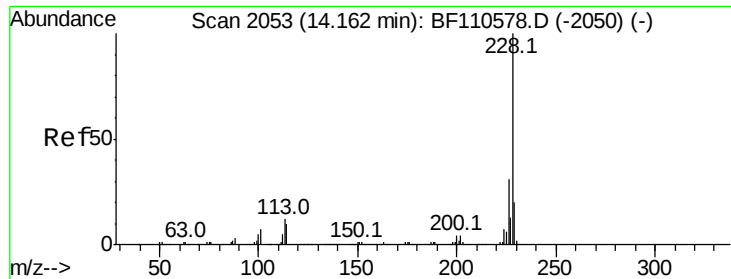
Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Tgt Ion:	228	Resp:	69579
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.1	33.1
229	19.8	15.6	23.4

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





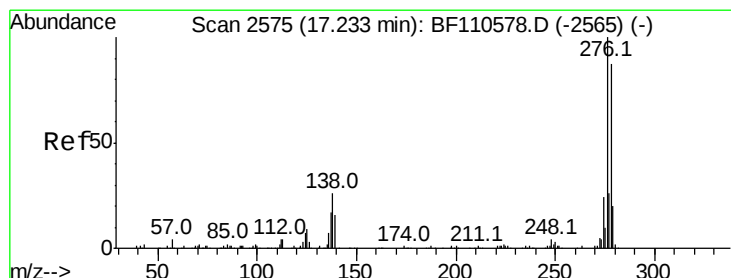
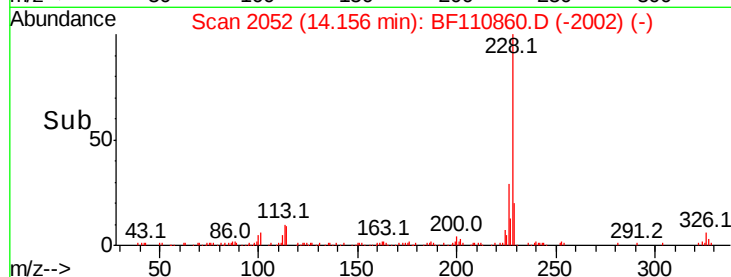
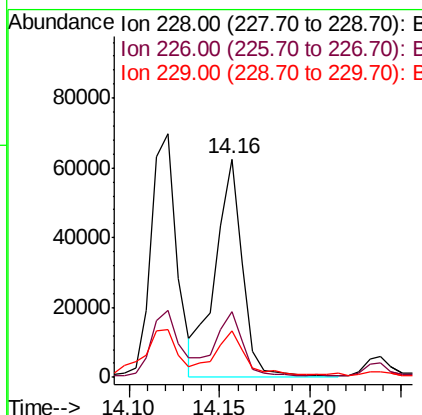
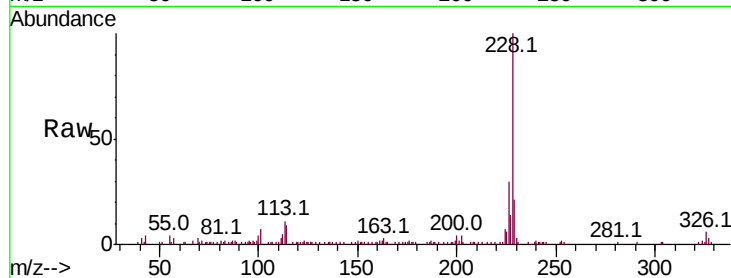
#83
Chrysene
Concen: 7.820 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	21.3	15.9	23.9

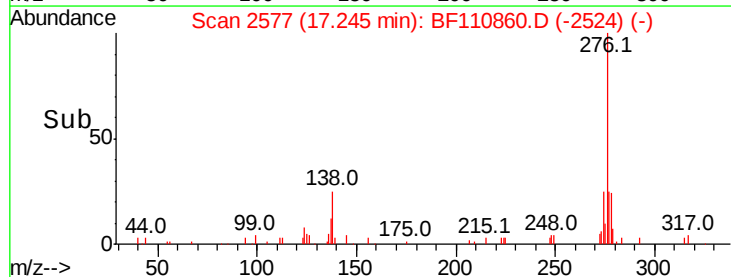
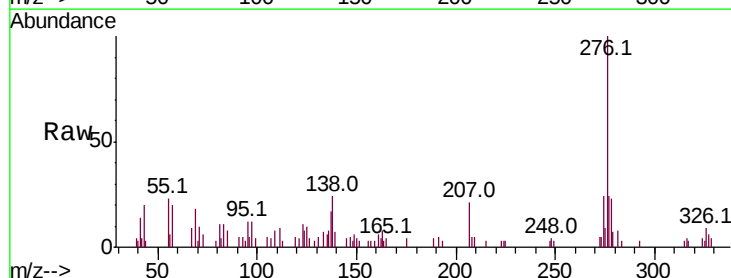
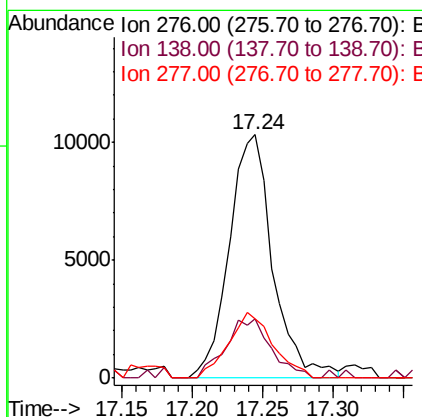
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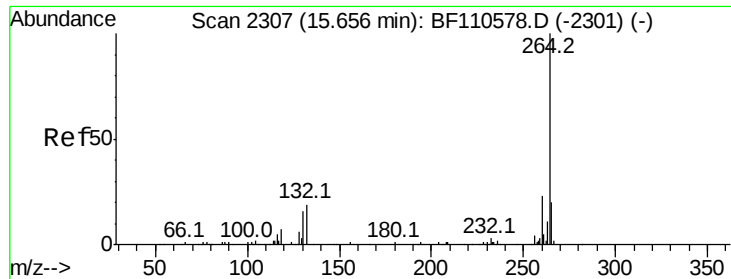
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.714 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	18.5	27.7
277	27.3	20.0	30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. 0.01 min

Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Instrument :

BNA_F

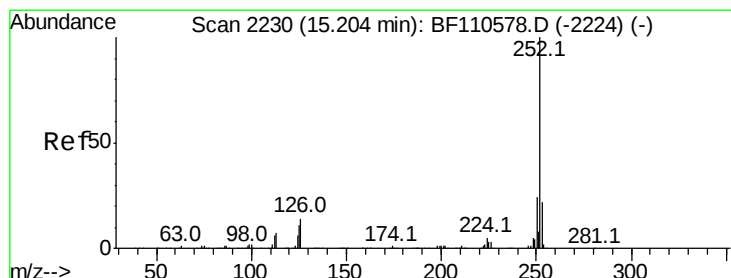
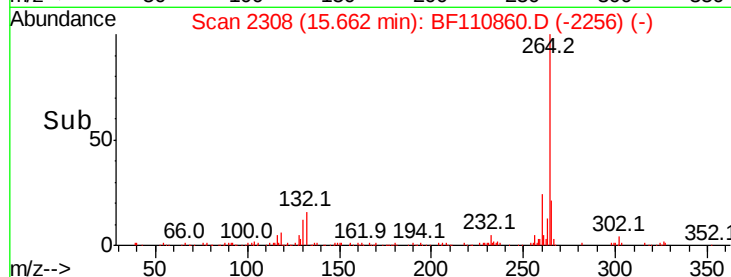
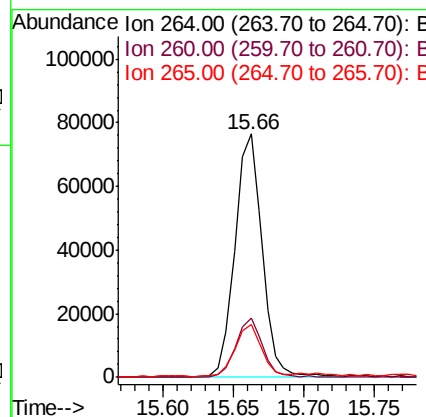
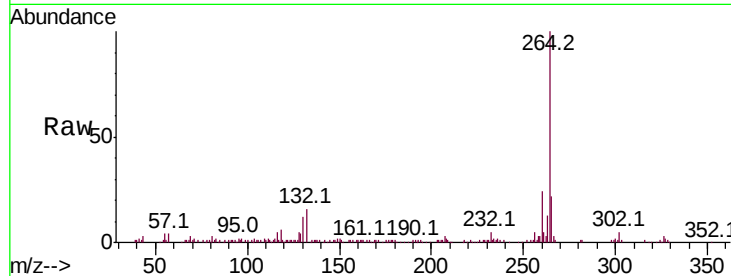
ClientSampled :

DUP-01

Tot Ion:	264	Resp:	102689
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.7	28.1
265	21.6	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 10.696 ng m

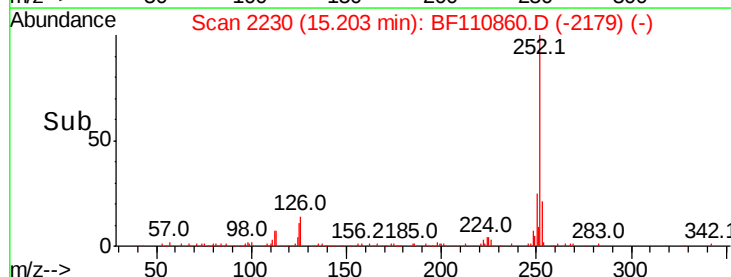
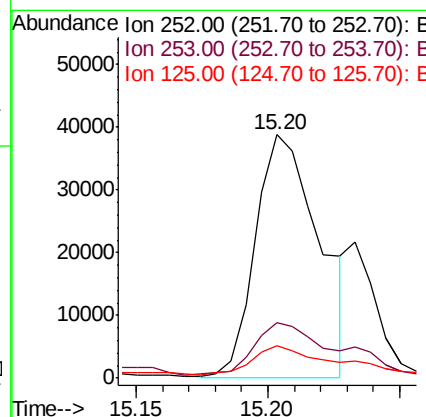
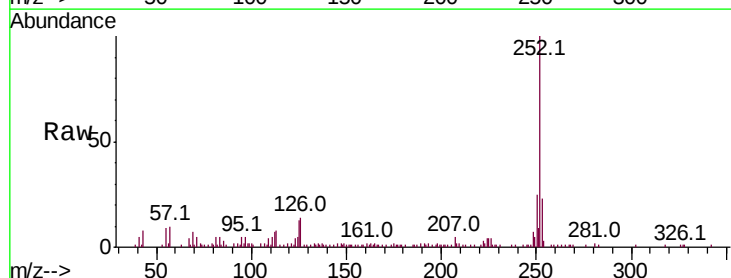
RT: 15.20 min Scan# 2230

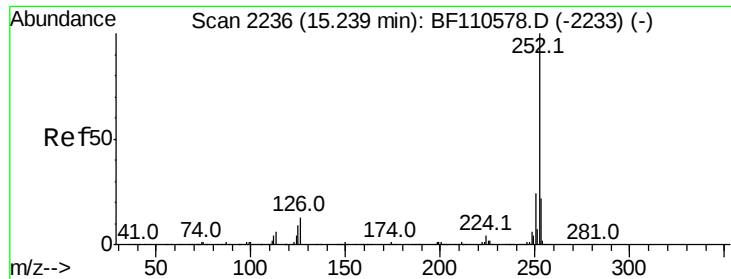
Delta R.T. -0.00 min

Lab File: BF110860.D

Acq: 19 Nov 2018 18:26

Tgt Ion:	252	Resp:	65706
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	13.2	8.2	12.4#





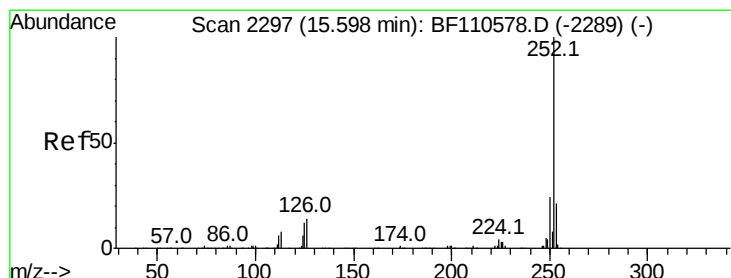
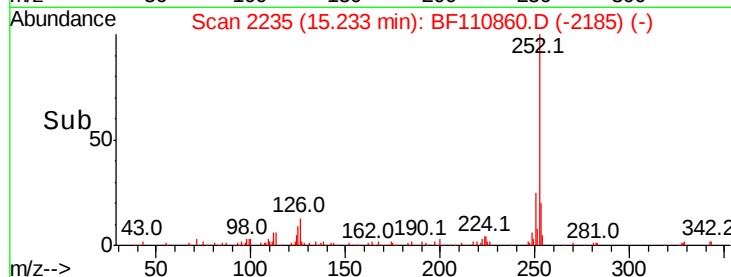
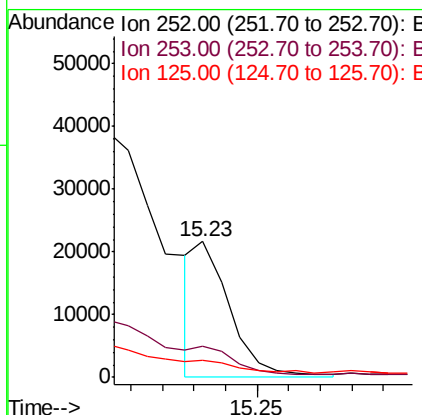
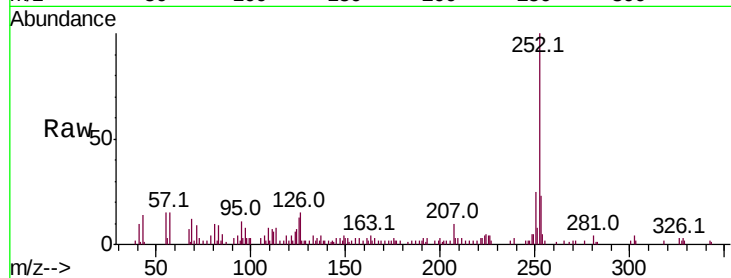
#89
Benzo(k)fluoranthene
Concen: 2.800 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Instrument :
BNA_F
ClientSampleId :
DUP-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	12.9	7.4	11.0

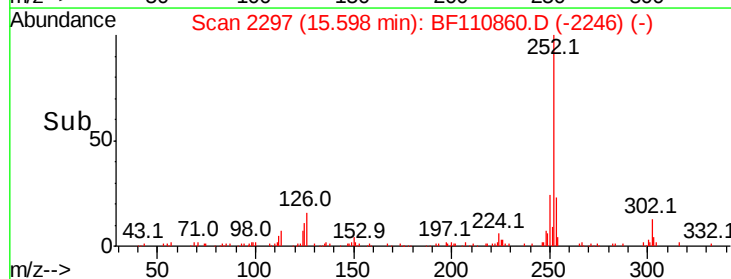
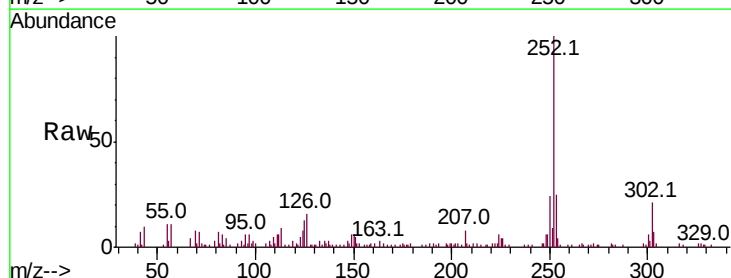
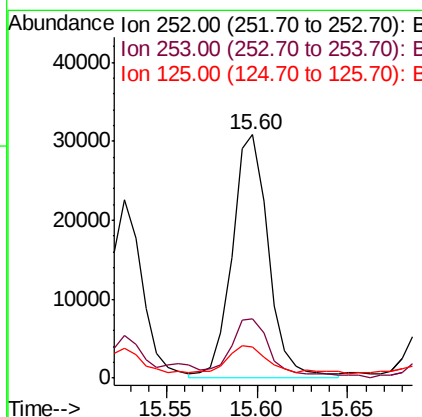
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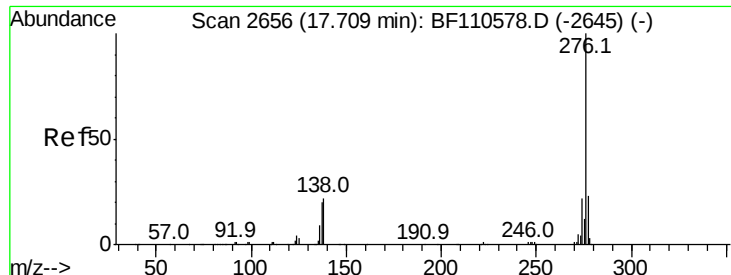
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#90
Benzo(a)pyrene
Concen: 7.717 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.00 min
Lab File: BF110860.D
Acq: 19 Nov 2018 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.4
125	12.7	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.340 ng
 RT: 17.72 min Scan# 2658
 Delta R.T. 0.01 min
 Lab File: BF110860.D
 Acq: 19 Nov 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	18.8	28.2
138	19.7	16.0	24.0

Manual Integrations
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