

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110223.D
 Acq On : 26 Oct 2018 21:25
 Operator : JU/SJ
 Sample : J5204-13 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-A

Manual Integrations
 APPROVED

Sohil
 10/29/2018 11:56:46 AM

Quant Time: Oct 27 00:36:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	108995	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	420347	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	156412	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	254194	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	188470	20.00	ng	-0.01
87) Perylene-d12	15.68	264	127919	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	104529	15.62	ng	-0.02
7) Phenol-d6	6.58	99	143374	16.75	ng	-0.02
23) Nitrobenzene-d5	7.53	82	73267	10.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	20180	13.02	ng	-0.01
45) 2-Fluorobiphenyl	9.32	172	153927	15.45	ng	-0.02
79) Terphenyl-d14	13.09	244	124810	13.77	ng	-0.02
Target Compounds						
52) Acenaphthene	10.05	154	21466	2.165	ng	95
58) Fluorene	10.56	166	21042	2.037	ng	93
71) Phenanthrene	11.53	178	172897	12.999	ng	99
72) Anthracene	11.58	178	54596	4.095	ng	98
75) Fluoranthene	12.72	202	276673	20.496	ng	99
78) Pyrene	12.95	202	243597	18.029	ng	98
81) Benzo(a)anthracene	14.14	228	102714	9.190	ng	99
83) Chrysene	14.17	228	87280	8.222	ng	96
86) Indeno(1,2,3-cd)pyrene	17.24	276	32560	3.697	ng	98
88) Benzo(b)fluoranthene	15.22	252	86002m	11.643	ng	
89) Benzo(k)fluoranthene	15.25	252	26014m	3.582	ng	
90) Benzo(a)pyrene	15.62	252	55955	8.232	ng	# 94
92) Benzo(a,h,i)perylene	17.73	276	34280	5.931	ng	97

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

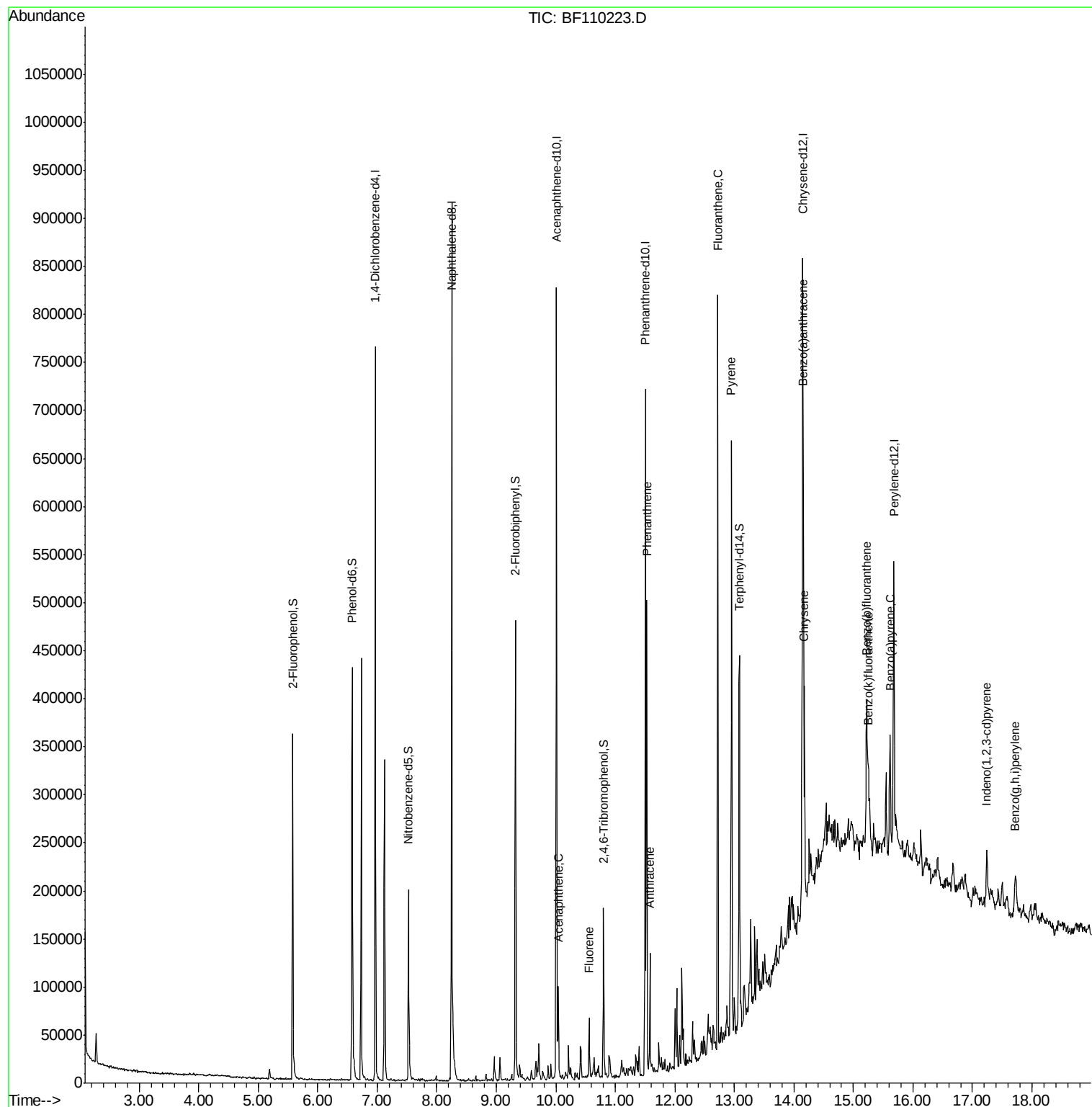
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110223.D
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Operator : JU/SJ
Sample : J5204-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

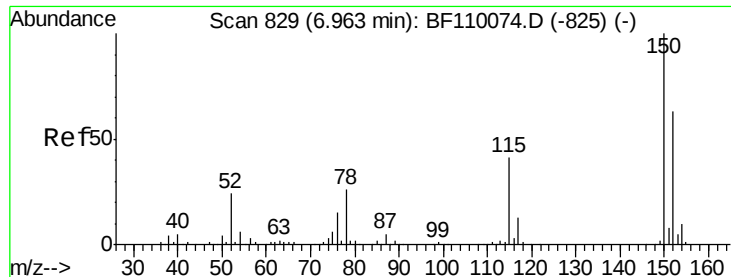
Instrument :
BNA_F
ClientSampled :
SU-01-102518-A

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#1

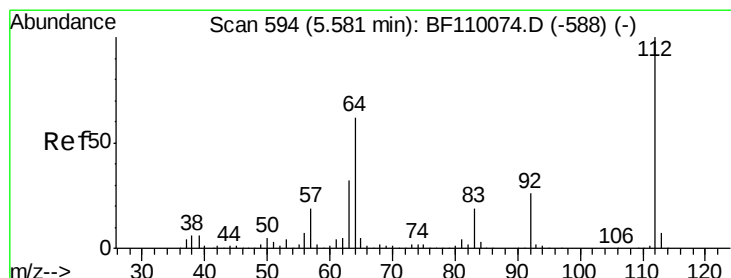
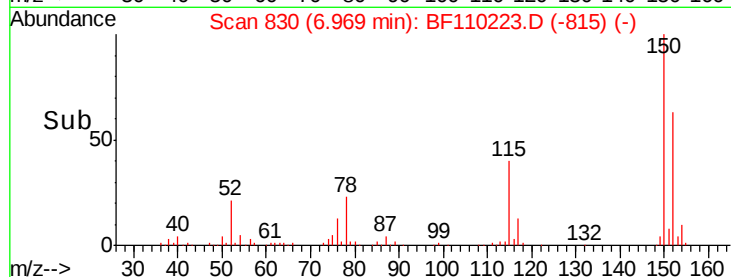
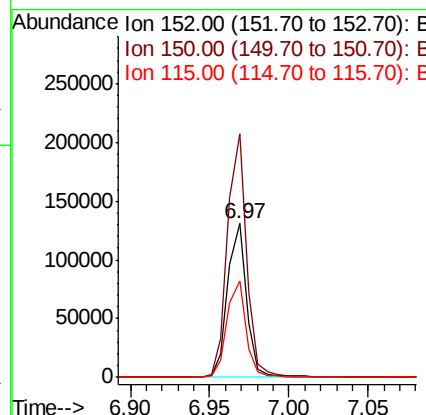
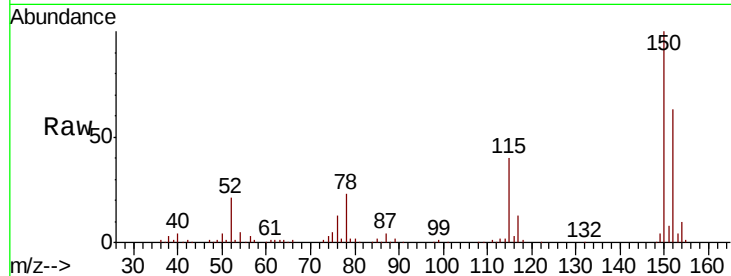
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	122.7	184.1
115	62.8	49.1	73.7

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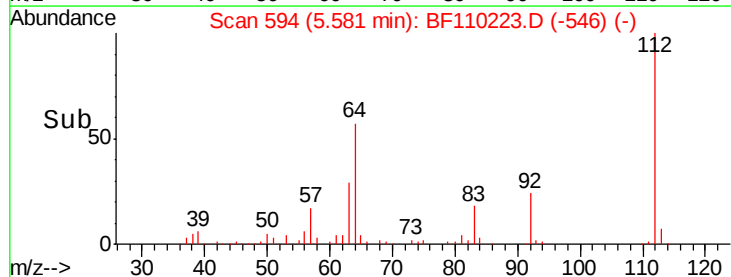
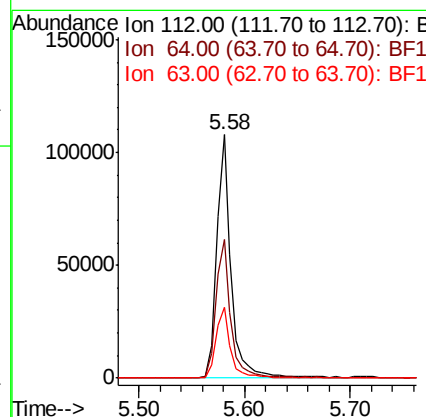
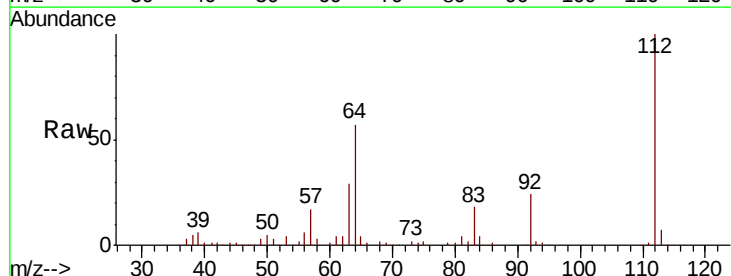
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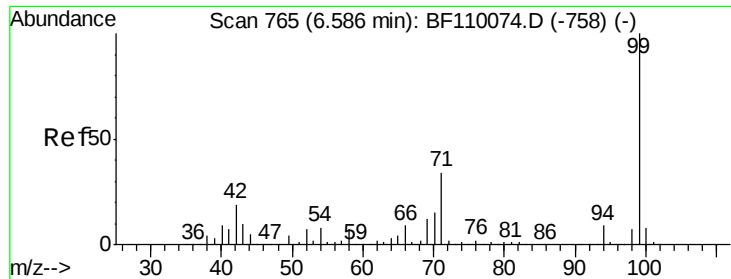


#5

2-Fluorophenol
Concen: 15.617 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.1	66.1
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 16.747 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF110223.D

Acq: 26 Oct 2018 21:25

Instrument :

BNA_F

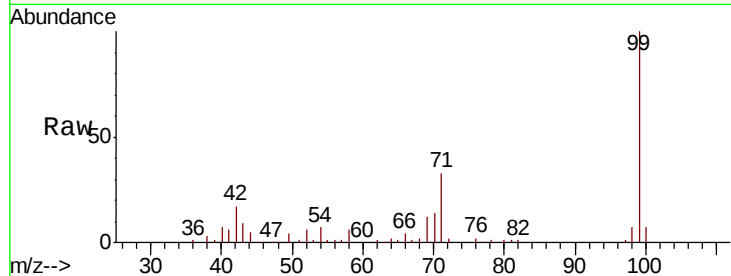
ClientSampleId :

SU-01-102518-A

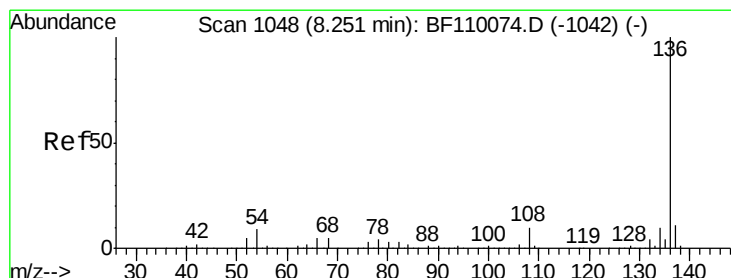
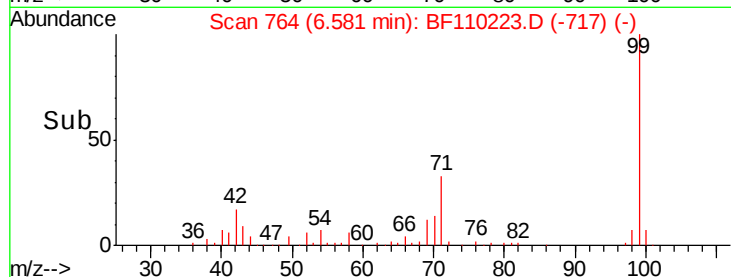
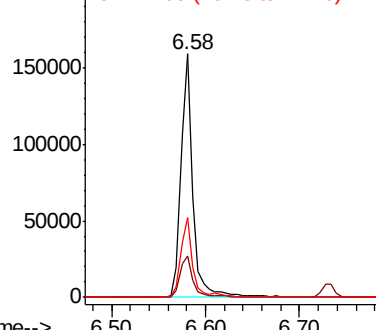
Tot Ion:	99	Resp:	143374
Ion	Ratio	Lower	Upper
99	100		
42	17.3	15.8	23.6
71	32.8	28.0	42.0

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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: 8.25 min Scan# 1048

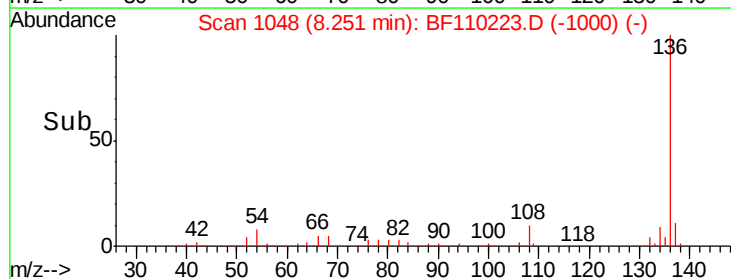
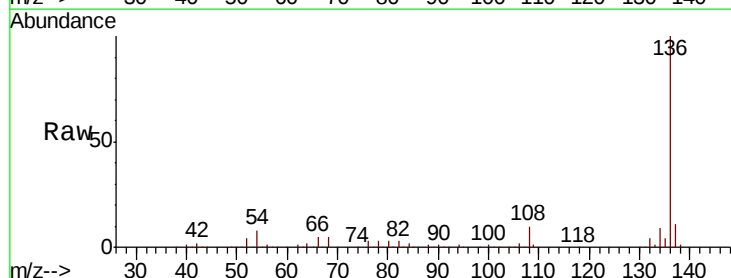
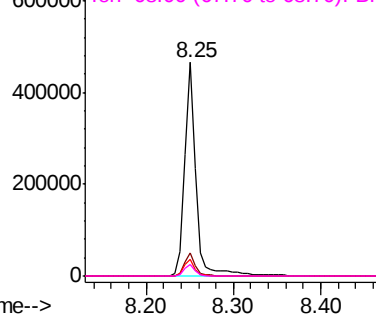
Delta R.T. -0.02 min

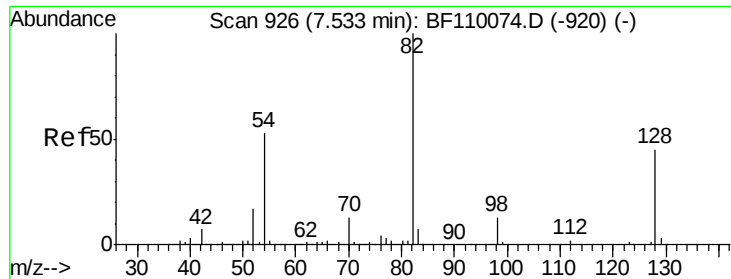
Lab File: BF110223.D

Acq: 26 Oct 2018 21:25

Tgt Ion:	136	Resp:	420347
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	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





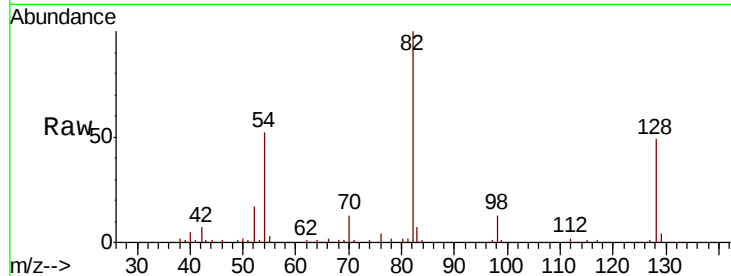
#23
Nitrobenzene-d5
Concen: 10.338 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.2	51.2
54	52.0	38.6	58.0

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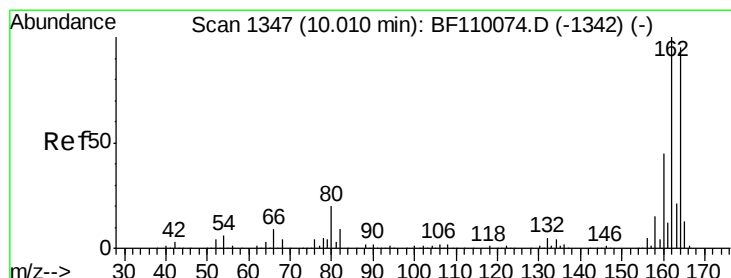
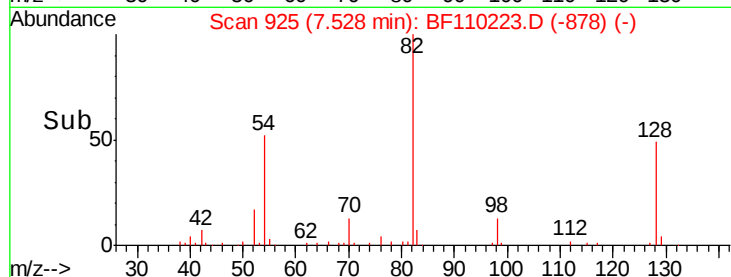
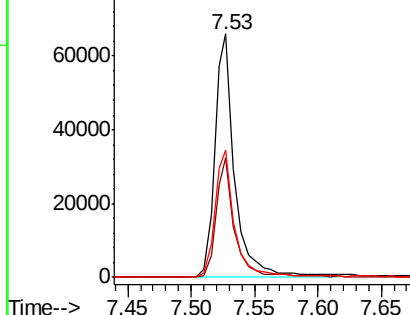


Abundance

Ion 82.00 (81.70 to 82.70): BF1

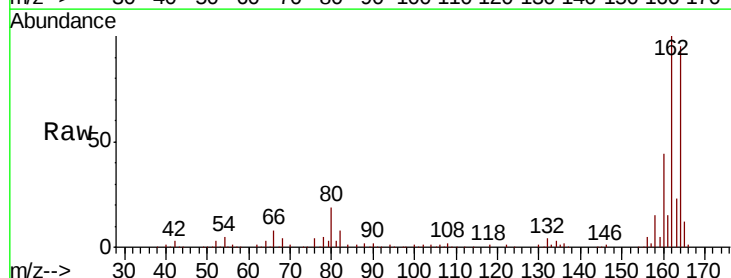
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	83.0	124.6
160	45.9	37.0	55.6

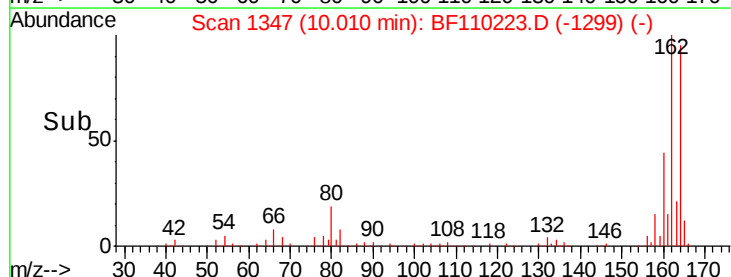
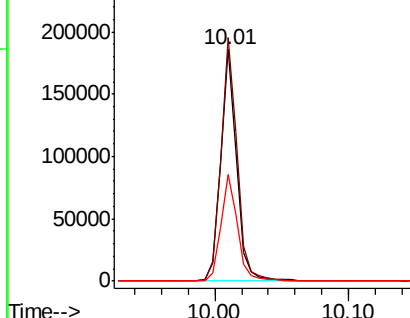


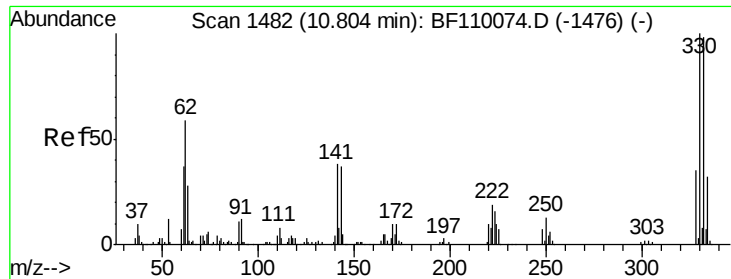
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





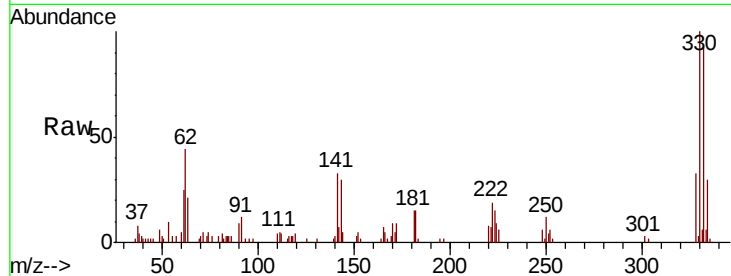
#42
 2,4,6-Tribromophenol
 Concen: 13.025 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF110223.D
 Acq: 26 Oct 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	20180		
332	94.6		77.1	115.7
141	40.3		27.0	40.4

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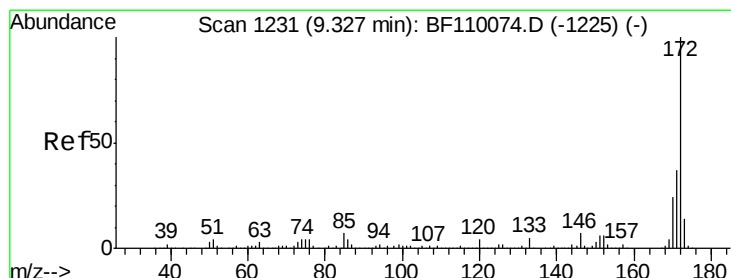
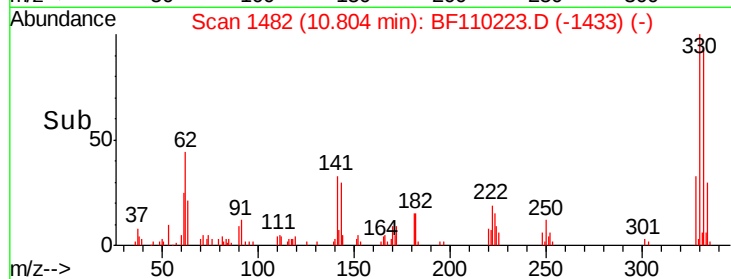
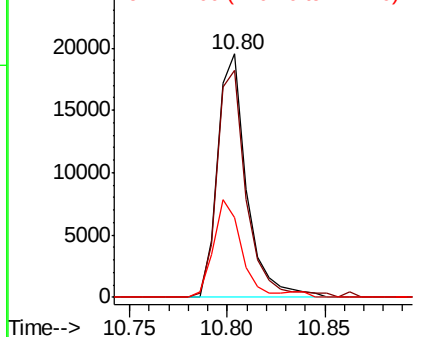


Abundance

Ion 329.80 (329.50 to 330.50): E

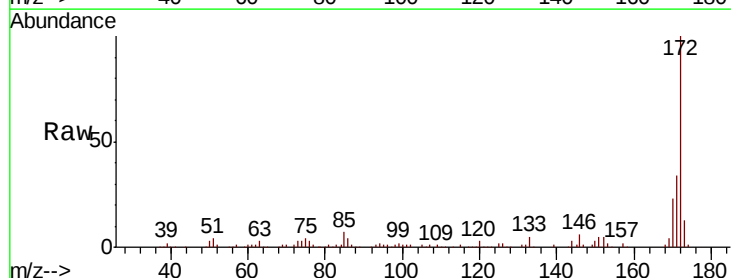
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 15.453 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.02 min
 Lab File: BF110223.D
 Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	153927		
171	33.8		28.6	43.0
170	22.6		19.7	29.5

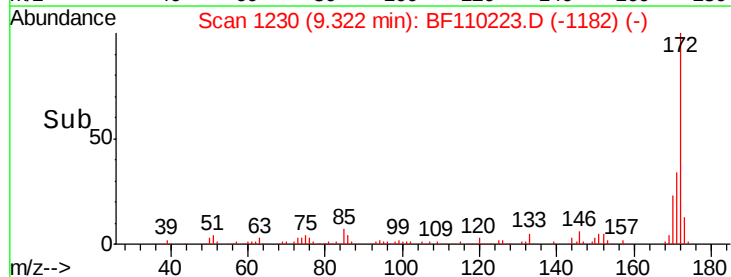
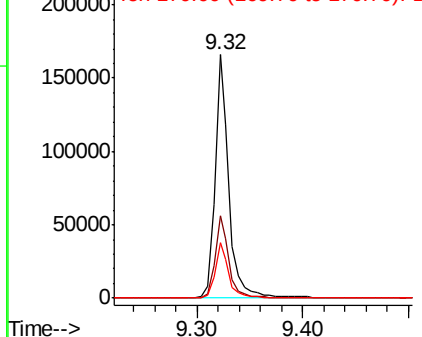


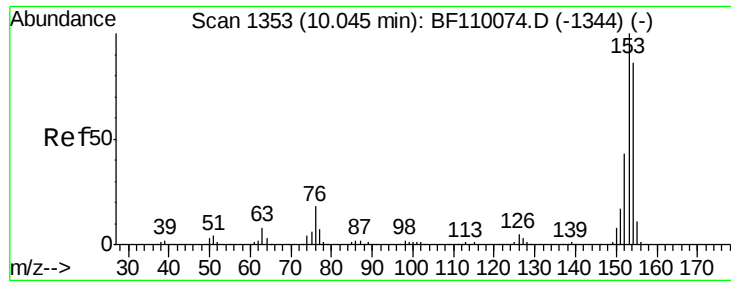
Abundance

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





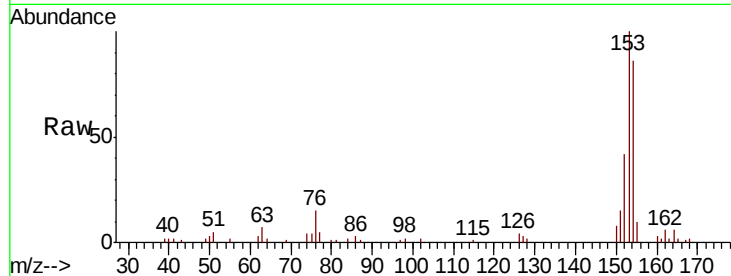
#52
Acenaphthene
Concen: 2.165 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

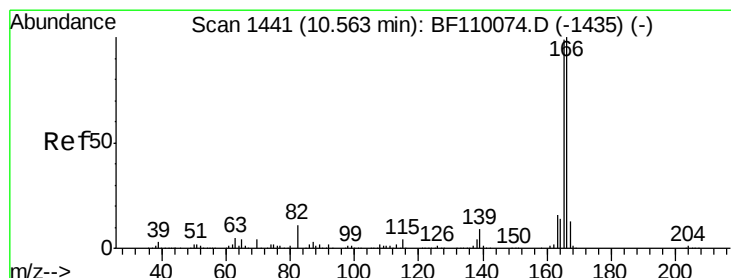
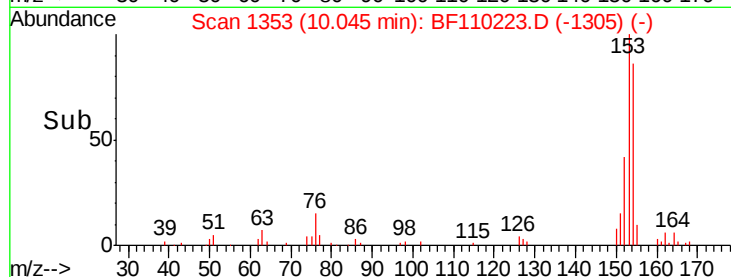
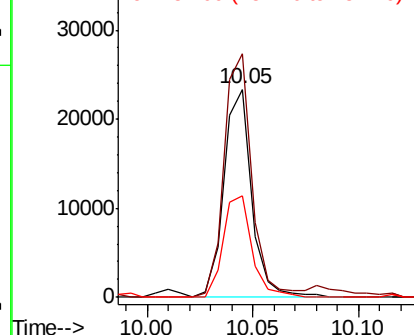
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.9	90.1	135.1
152	48.8	43.4	65.2

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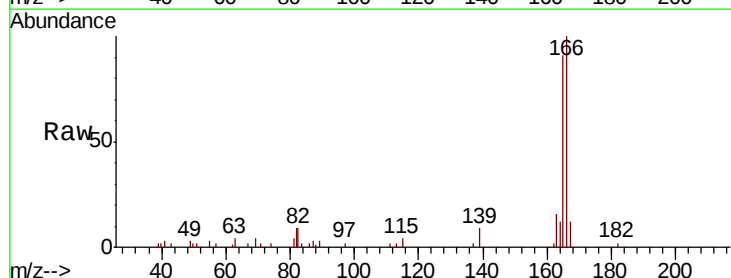


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

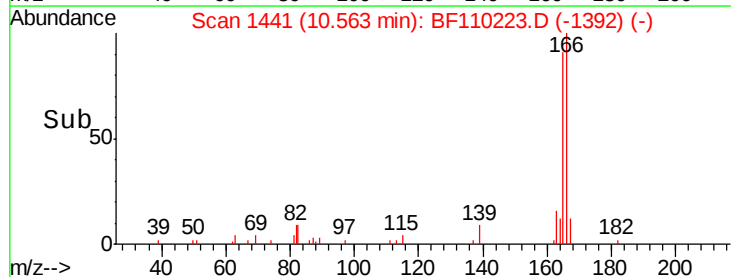
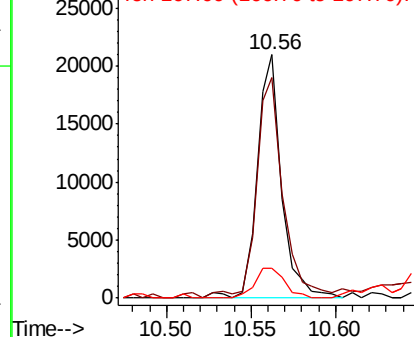


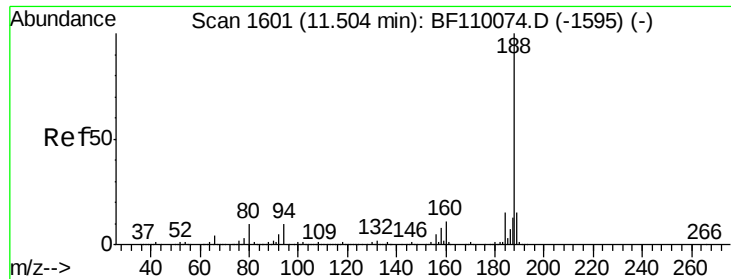
#58
Fluorene
Concen: 2.037 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.8	78.6	117.8
167	12.4	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: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110223.D

Acq: 26 Oct 2018 21:25

Instrument :

BNA_F

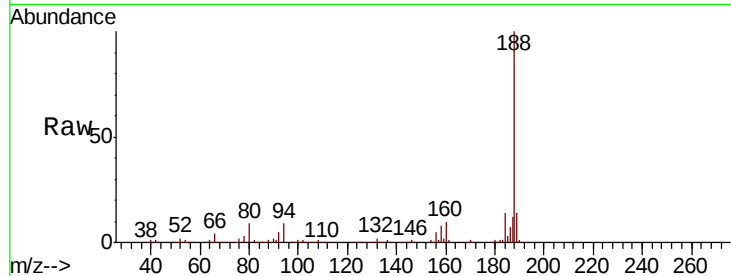
ClientSampleId :

SU-01-102518-A

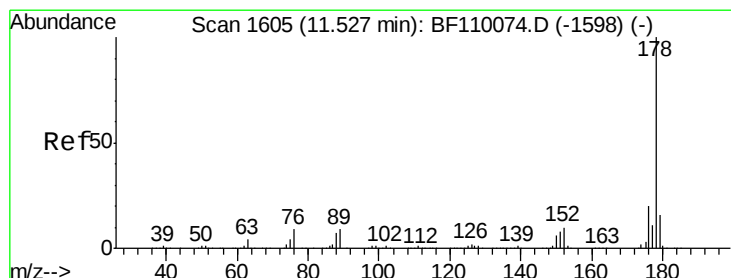
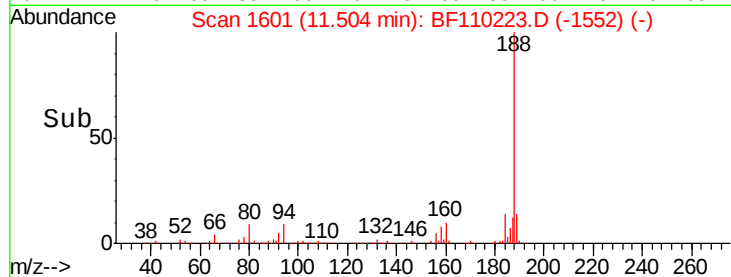
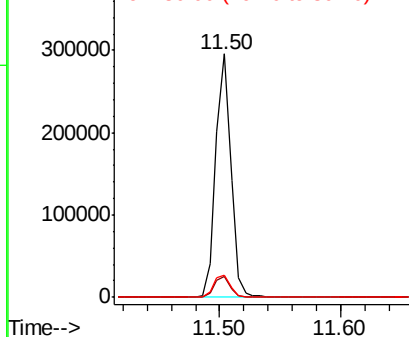
Tot Ion:	188	Resp:	254194
Ion Ratio	Lower	Upper	
188	100		
94	8.7	7.2	10.8
80	9.0	7.9	11.9

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 12.999 ng

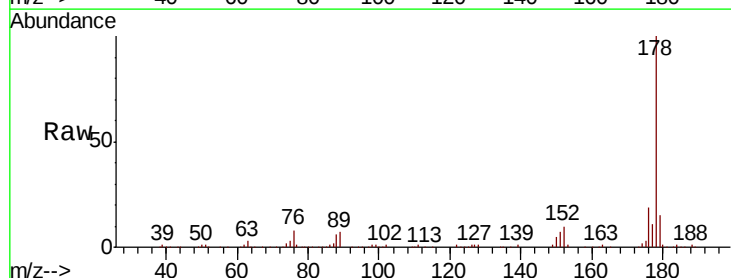
RT: 11.53 min Scan# 1605

Delta R.T. -0.02 min

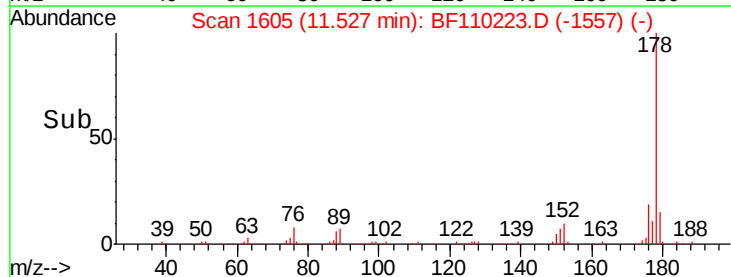
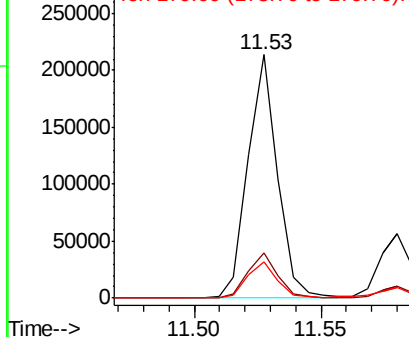
Lab File: BF110223.D

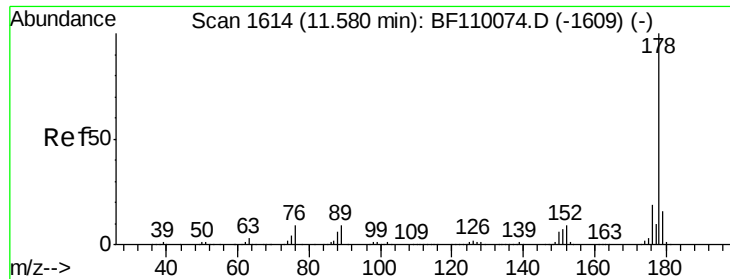
Acq: 26 Oct 2018 21:25

Tgt Ion:	178	Resp:	172897
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	15.0	12.5	18.7



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

Anthracene

Concen: 4.095 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.02 min

Lab File: BF110223.D

Acq: 26 Oct 2018 21:25

Instrument :

BNA_F

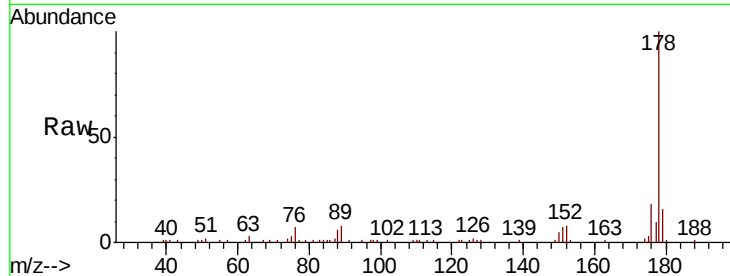
ClientSampleId :

SU-01-102518-A

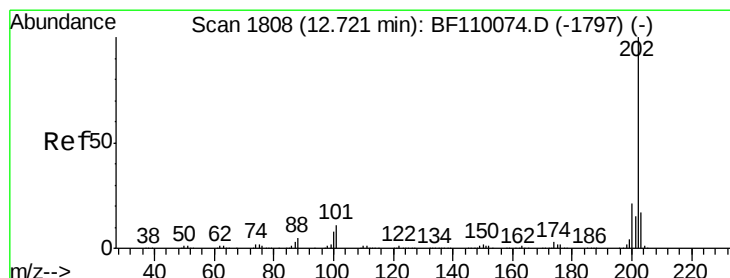
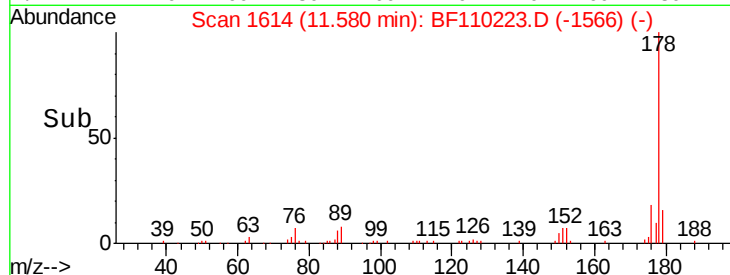
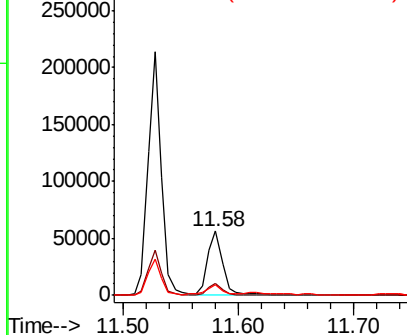
Tot Ion:	178	Resp:	54596
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.2
179	15.8	12.6	18.8

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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: 20.496 ng

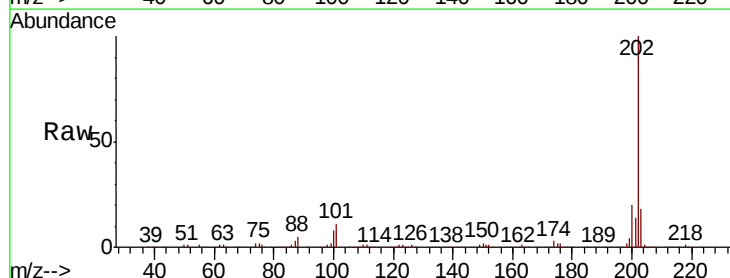
RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

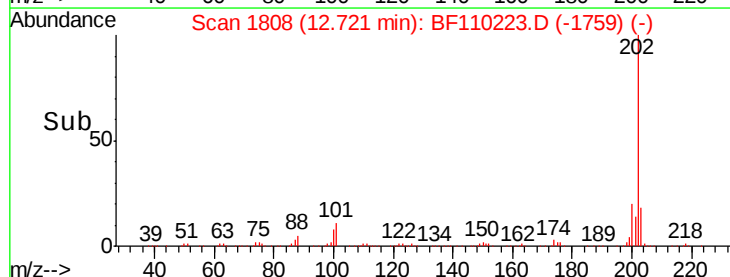
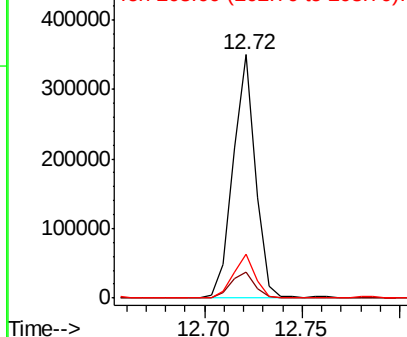
Lab File: BF110223.D

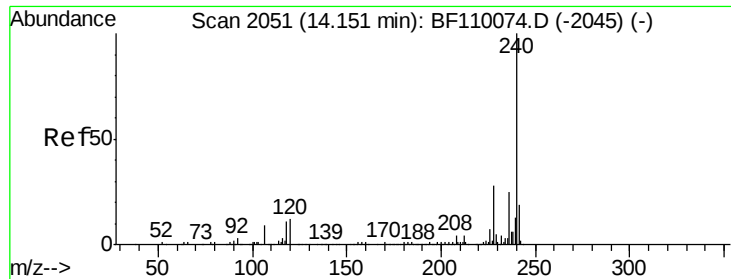
Acq: 26 Oct 2018 21:25

Tgt Ion:	202	Resp:	276673
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	31.4
203	17.8	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





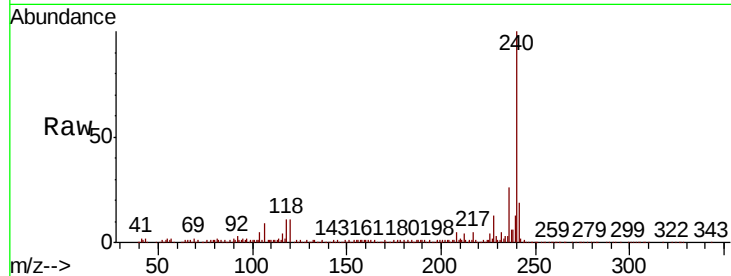
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

Tot Ion	Ratio	Resp	Lower	Upper
240	100	188470		
120	11.4	8.3	12.5	
236	25.8	21.2	31.8	

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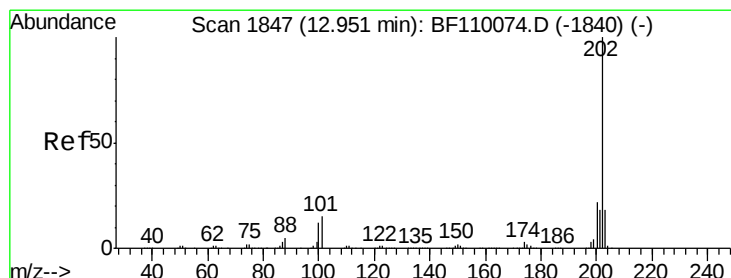
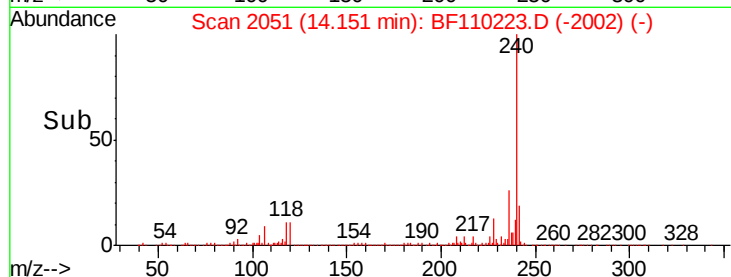
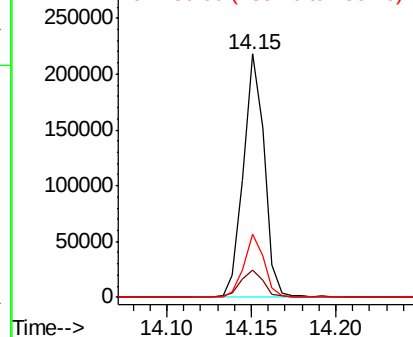


Abundance

Ion 240.00 (239.70 to 240.70): E

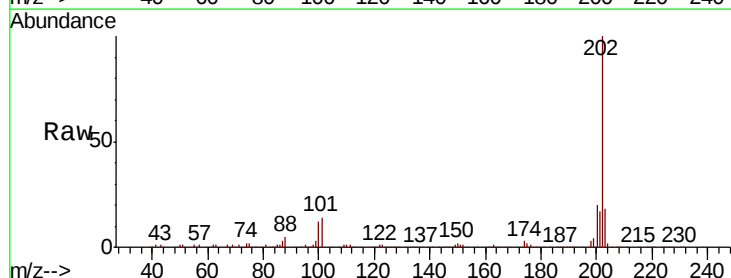
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 18.029 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	243597		
200	20.5	17.8	26.6	
203	17.6	14.2	21.4	

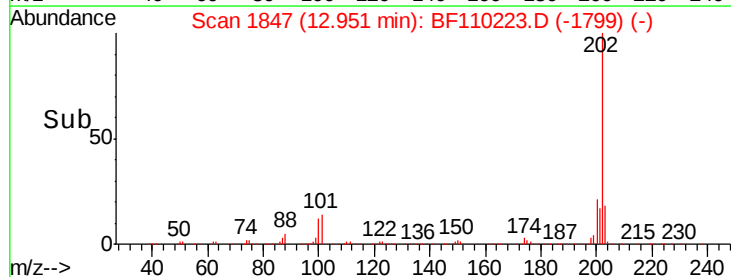
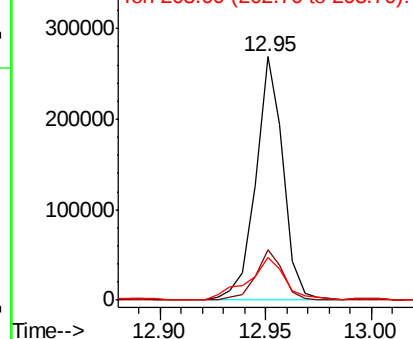


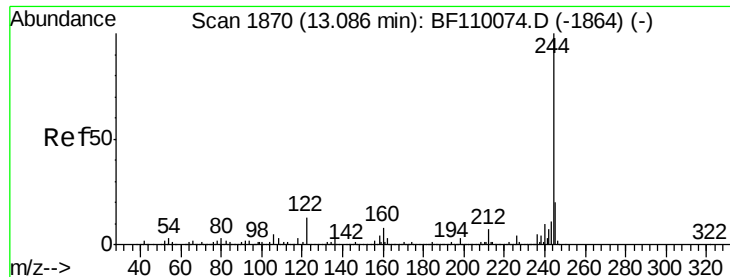
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





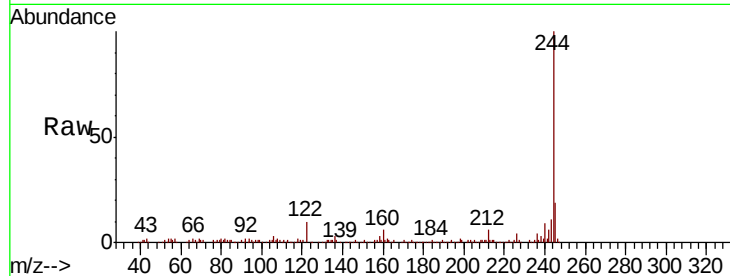
#79
 Terphenyl-d14
 Concen: 13.772 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.02 min
 Lab File: BF110223.D
 Acq: 26 Oct 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102518-A

Tot Ion	Ratio	Resp	Lower	Upper
244	100	124810		
212	6.2		5.8	8.8
122	10.2		8.7	13.1

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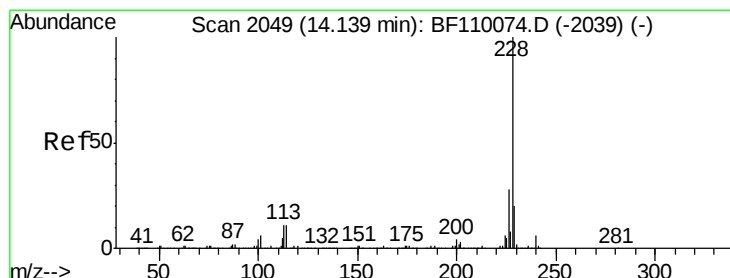
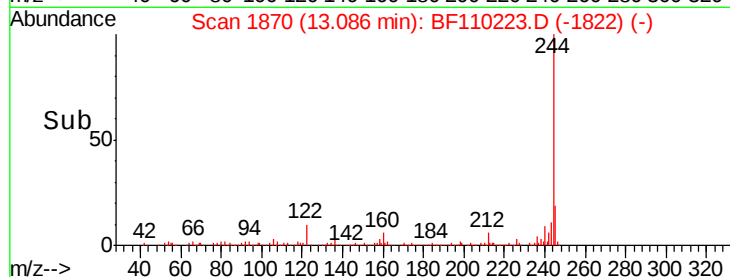
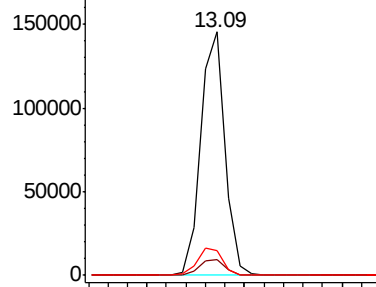


Abundance

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: 9.190 ng
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BF110223.D
 Acq: 26 Oct 2018 21:25

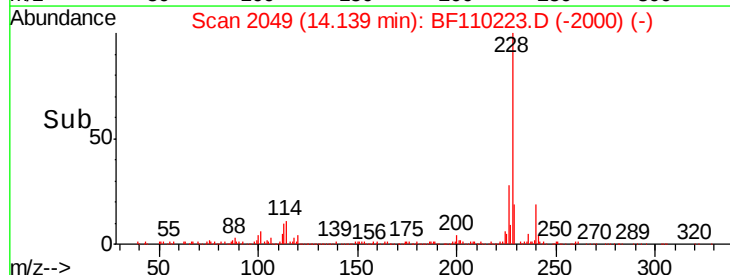
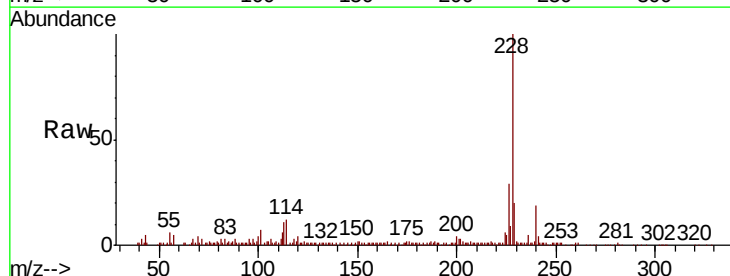
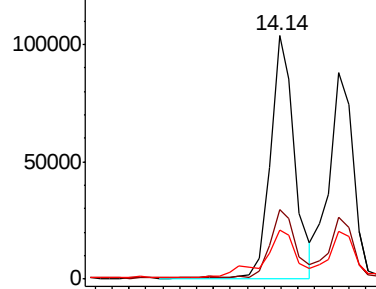
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	102714		
226	28.5		22.1	33.1
229	20.0		15.6	23.4

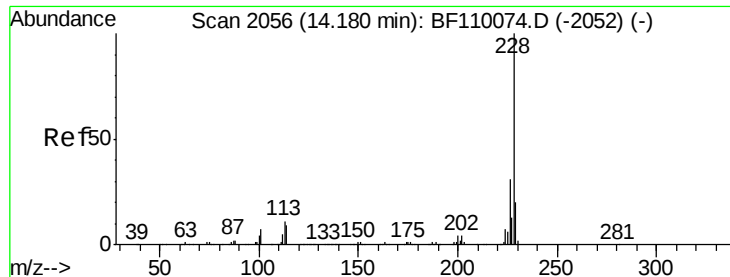
Abundance

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





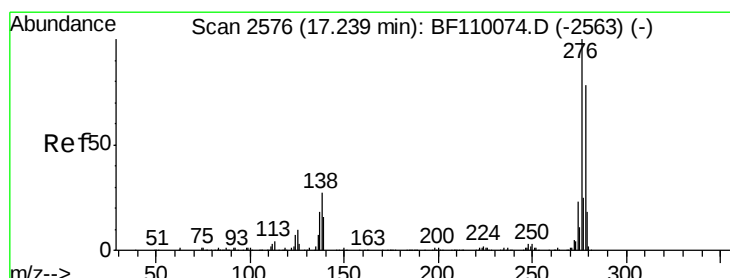
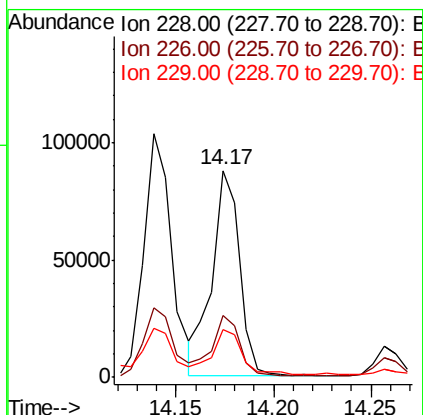
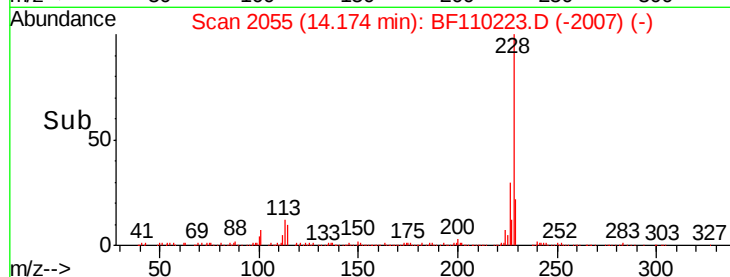
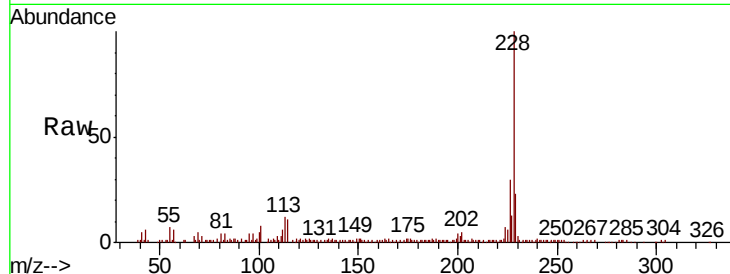
#83
Chrysene
Concen: 8.222 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

Tot Ion:	228	Resp:	87280
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.7	37.1
229	23.1	15.9	23.9

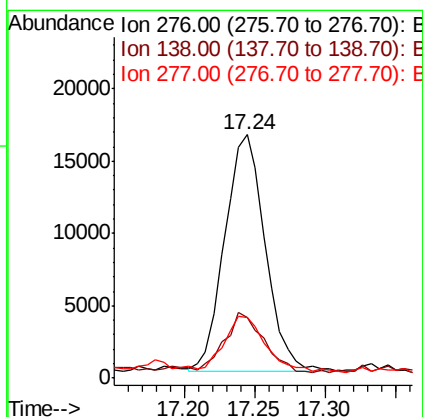
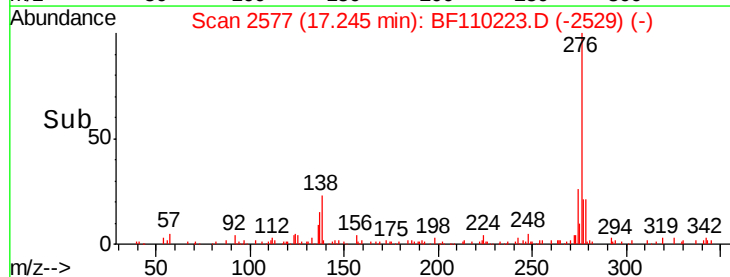
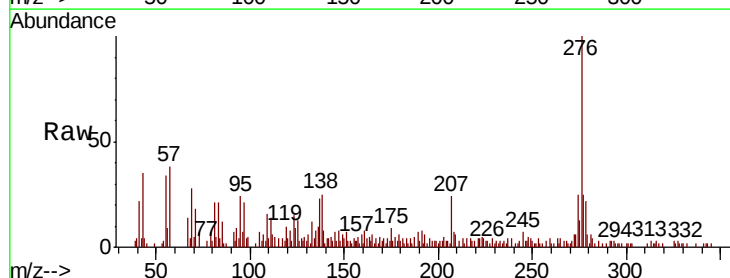
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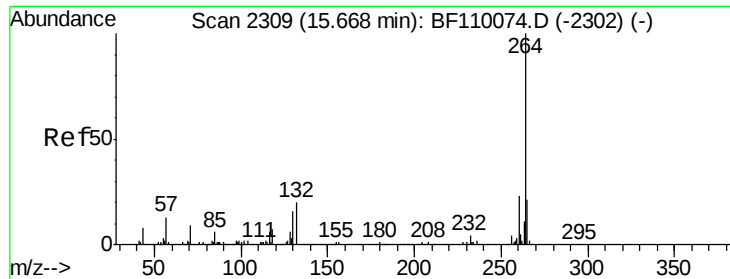
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.697 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion:	276	Resp:	32560
Ion Ratio	Lower	Upper	
276	100		
138	24.5	18.5	27.7
277	24.7	20.0	30.0





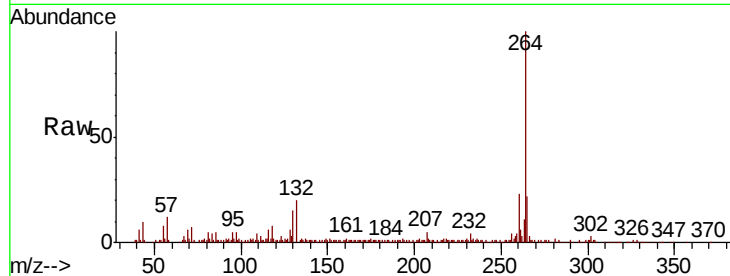
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

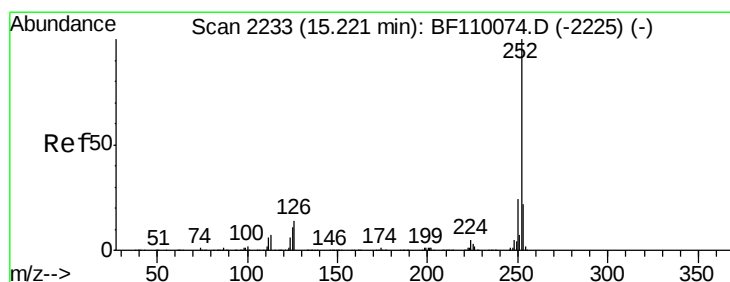
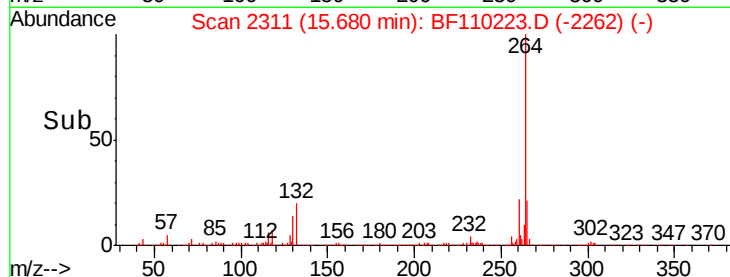
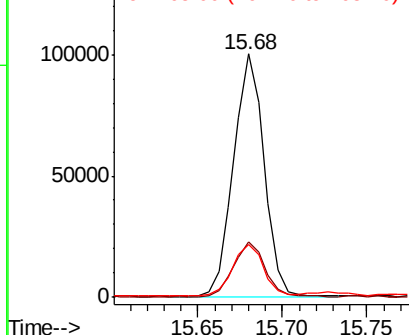
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.7	28.1
265	21.7	16.7	25.1

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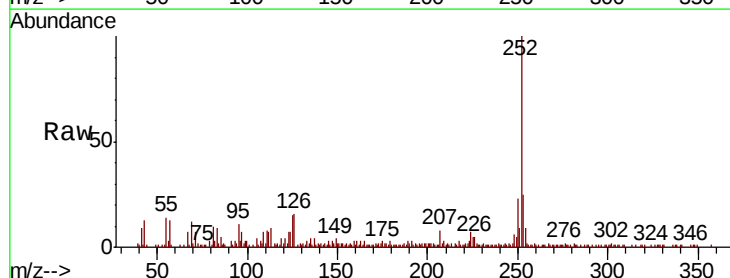


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

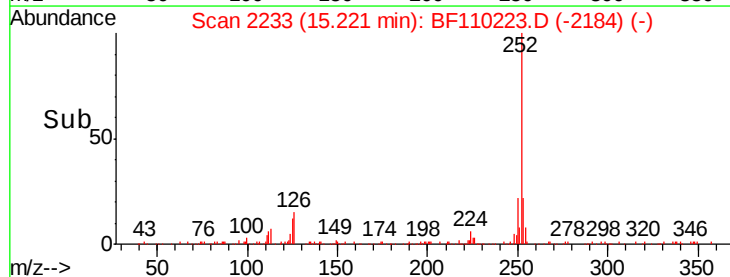
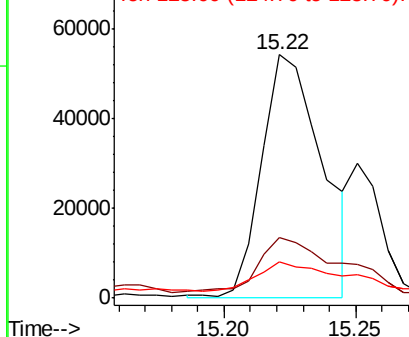


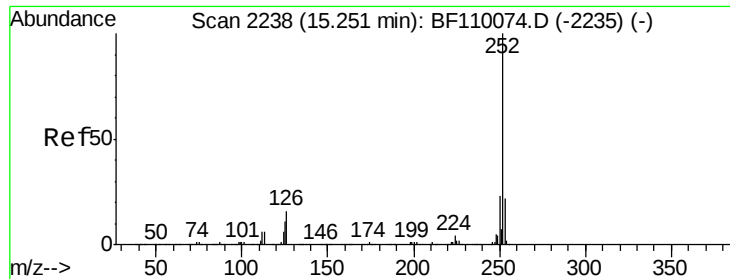
#88
Benzo(b)fluoranthene
Concen: 11.643 ng m
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.2	25.8
125	14.9	8.2	12.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





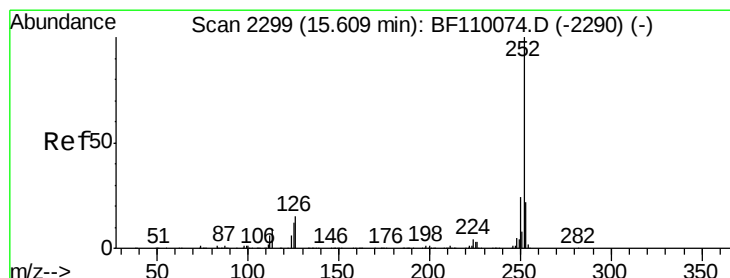
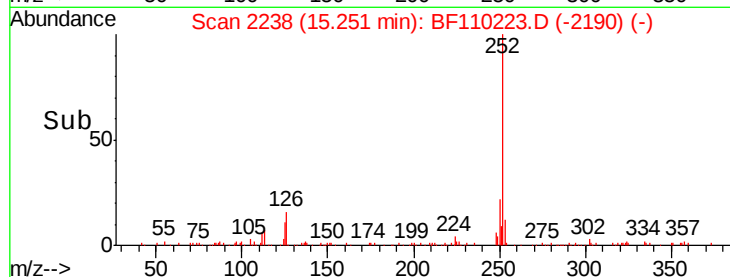
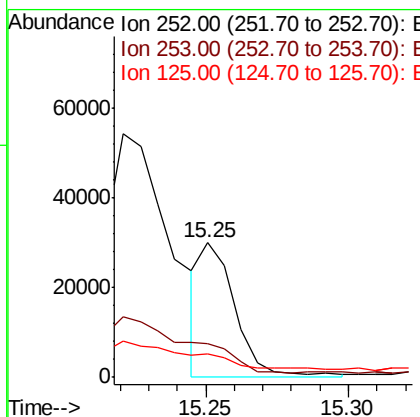
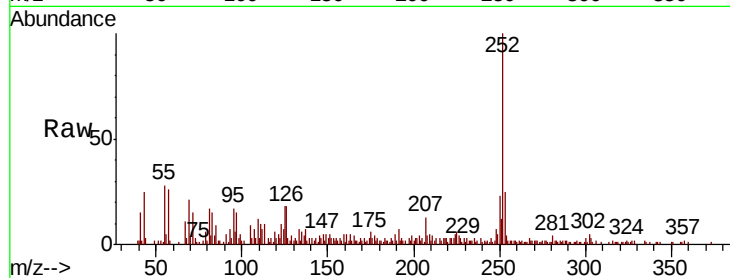
#89
Benzo(k)fluoranthene
Concen: 3.582 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Instrument :
BNA_F
ClientSampleId :
SU-01-102518-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	17.7	7.4	11.0

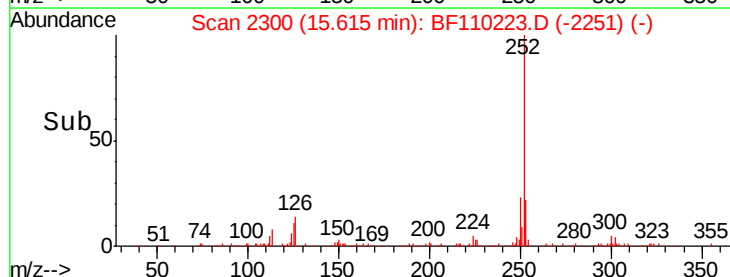
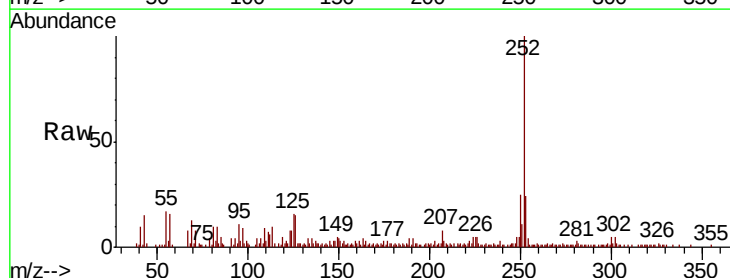
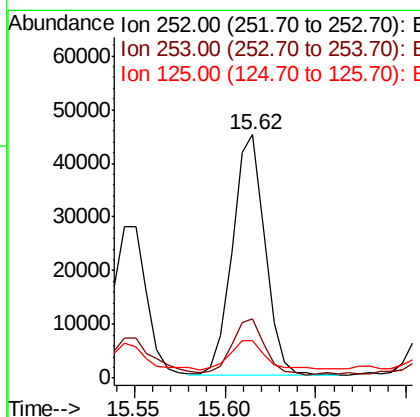
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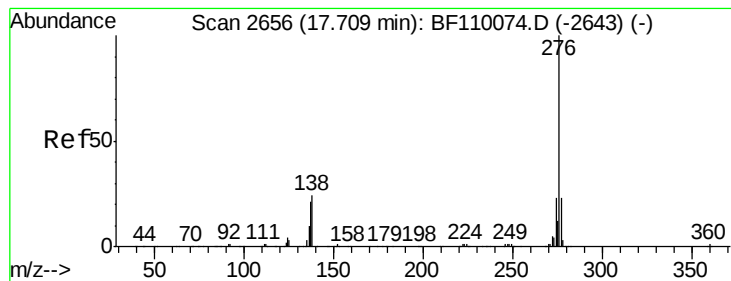
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#90
Benzo(a)pyrene
Concen: 8.232 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110223.D
Acq: 26 Oct 2018 21:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
125	15.6	9.0	13.6





#92

Benzo(a,h,i)perylene

Concen: 5.931 ng

RT: 17.73 min Scan# 2659

Delta R.T. -0.01 min

Lab File: BF110223.D

Acq: 26 Oct 2018 21:25

Instrument :

BNA_F

ClientSampleId :

SU-01-102518-A

Tot Ion:	276	Resp:	34280
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	22.7	16.0	24.0

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