

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
 Data File : BF110210.D
 Acq On : 26 Oct 2018 15:29
 Operator : JU/SJ
 Sample : J5624-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-SB-01A

Manual Integrations
 APPROVED

Sohil
 10/29/2018 11:56:39 AM

Quant Time: Oct 26 23:51:40 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	148589	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	575860	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	230749	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	345280	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	255184	20.00	ng	-0.01
87) Perylene-d12	15.68	264	175288	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	701021	76.83	ng	0.00
7) Phenol-d6	6.59	99	887713	76.06	ng	-0.01
23) Nitrobenzene-d5	7.53	82	549147	56.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	142470	62.33	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	925092	62.95	ng	-0.01
79) Terphenyl-d14	13.09	244	630323	51.37	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	126641	10.151	ng	Qvalue # 64
50) Dimethylphthalate	9.72	163	139935	8.215	ng	99
71) Phenanthrene	11.53	178	174515	9.660	ng	98
75) Fluoranthene	12.72	202	248563	13.556	ng	99
78) Pyrene	12.95	202	199385	10.899	ng	98
81) Benzo(a)anthracene	14.14	228	95660	6.321	ng	95
83) Chrysene	14.17	228	104123	7.244	ng	96
84) Bis(2-ethylhexyl)phthalate	14.11	149	22350	2.082	ng	# 93
86) Indeno(1,2,3-cd)pyrene	17.24	276	43032	3.609	ng	96
88) Benzo(b)fluoranthene	15.23	252	121586m	12.012	ng	
89) Benzo(k)fluoranthene	15.25	252	32311m	3.247	ng	
90) Benzo(a)pyrene	15.61	252	58745	6.307	ng	# 92
92) Benzo(a,h,i)perylene	17.72	276	41835	5.283	ng	# 90

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

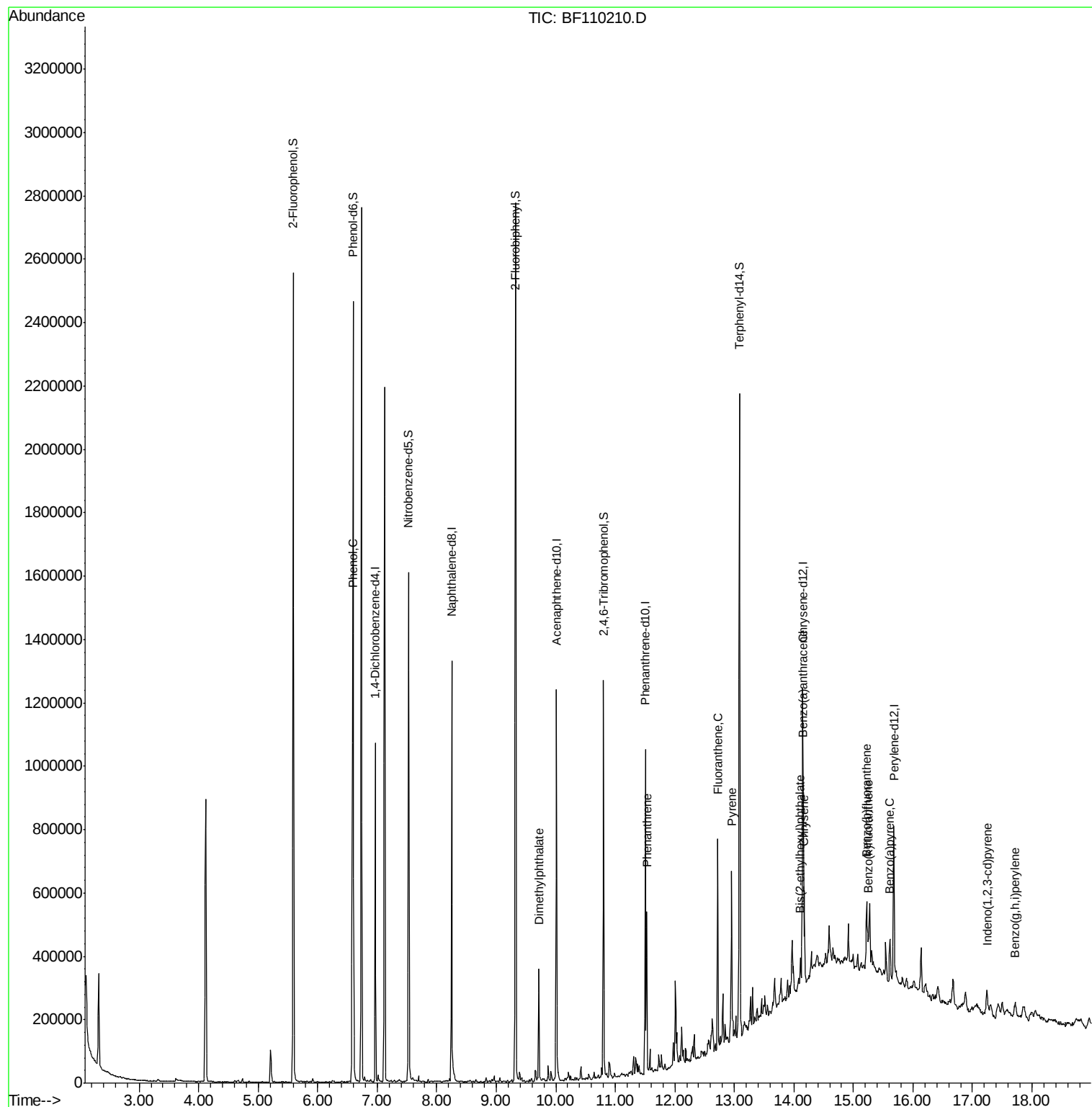
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110210.D
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ALS Vial : 5 Sample Multiplier: 1

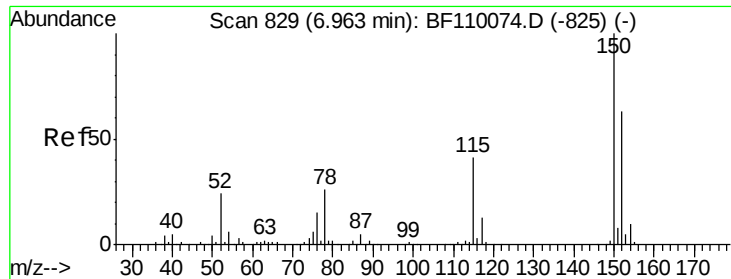
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#1

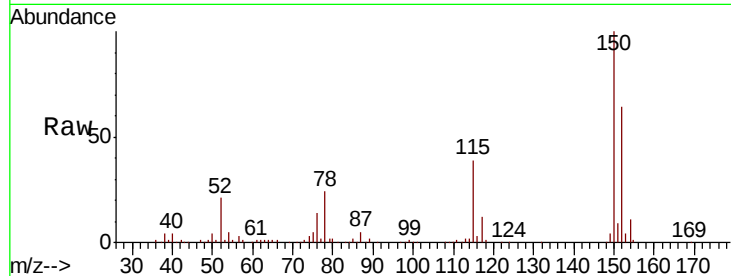
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :
PA-SB-01A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.7	184.1
115	60.2	49.1	73.7

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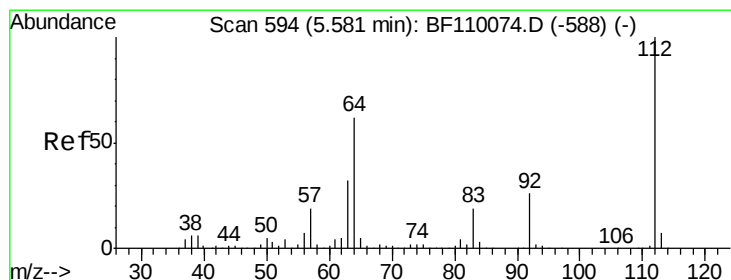
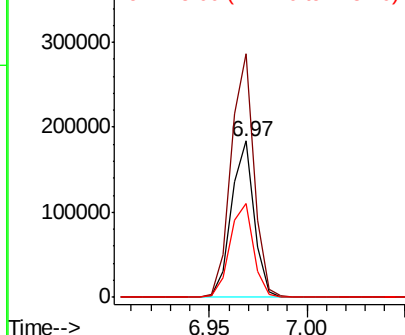
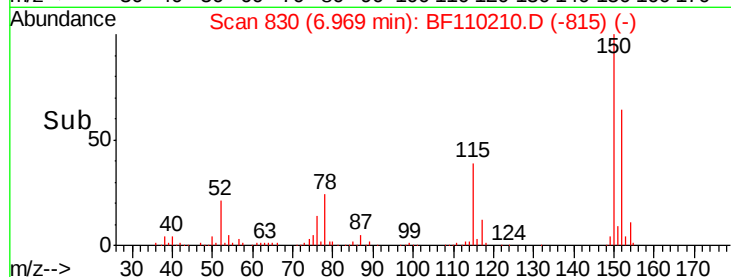


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

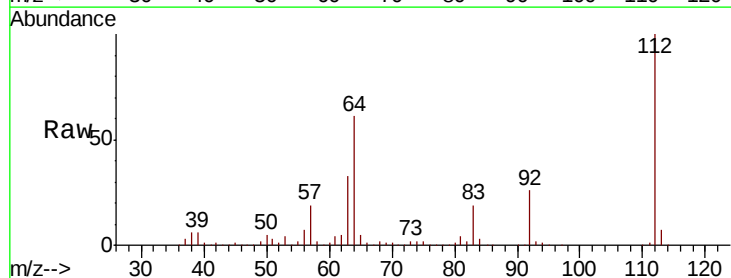
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 76.828 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	44.1	66.1
63	32.7	23.7	35.5

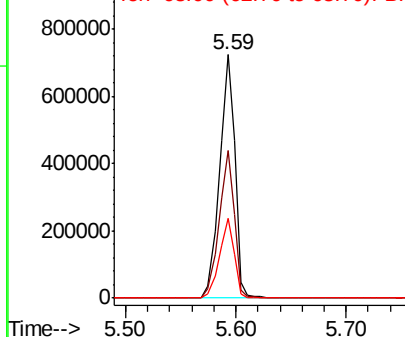
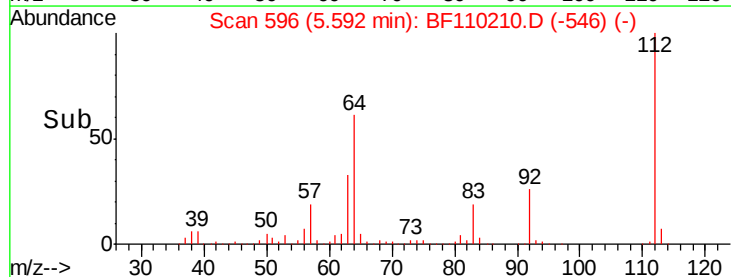


Abundance

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: 76.061 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

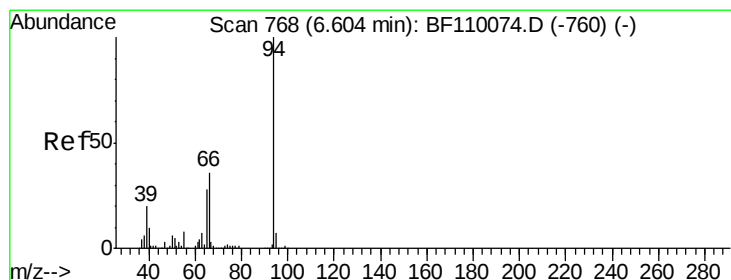
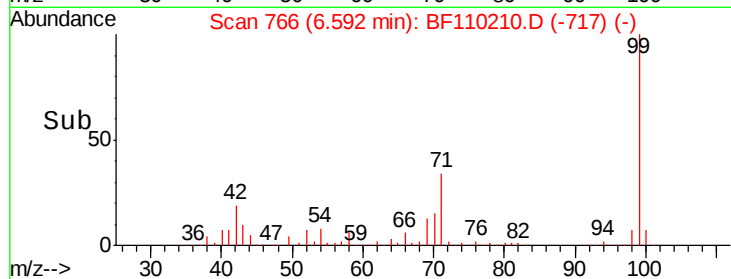
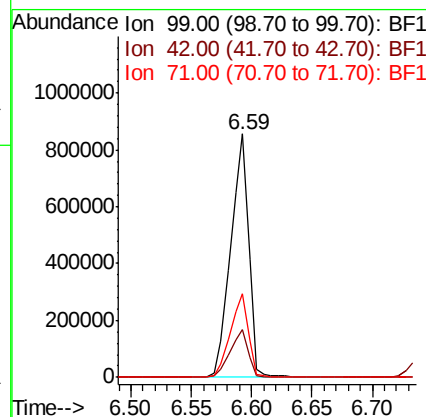
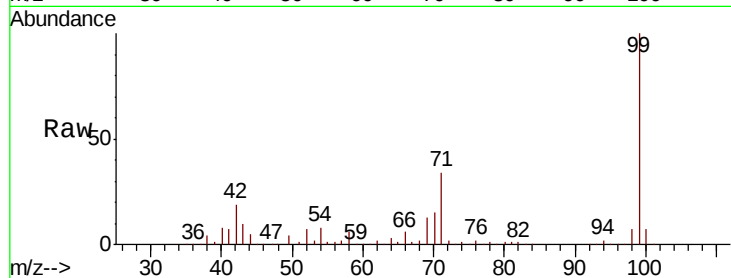
ClientSampleId :

PA-SB-01A

Tot Ion:	99	Resp:	887713
Ion Ratio	Lower	Upper	
99	100		
42	19.4	15.8	23.6
71	34.3	28.0	42.0

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#10

Phenol

Concen: 10.151 ng

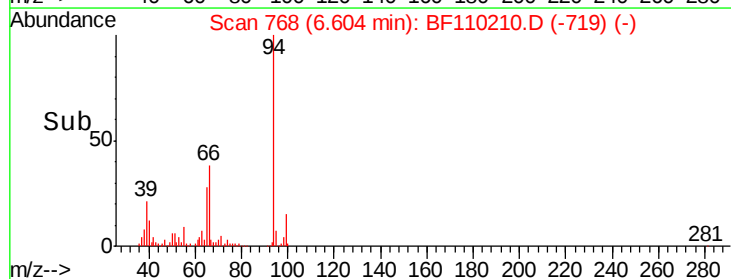
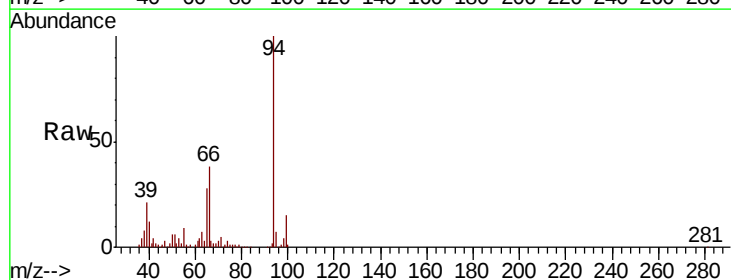
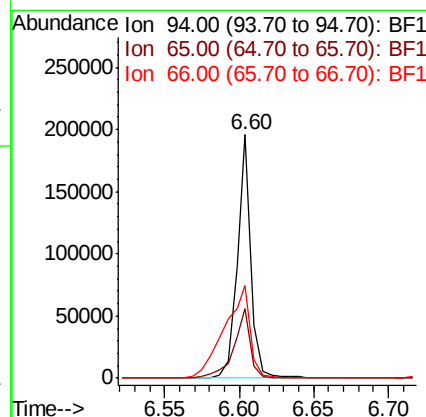
RT: 6.60 min Scan# 768

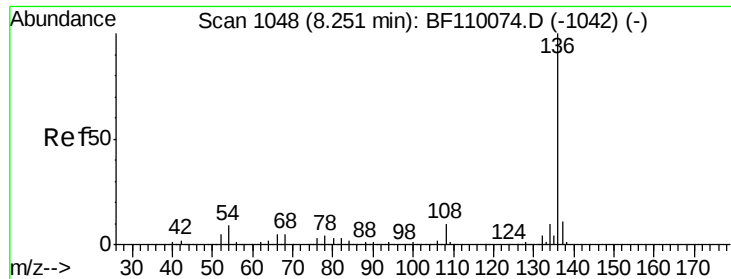
Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Tgt Ion:	94	Resp:	126641
Ion Ratio	Lower	Upper	
94	100		
65	28.4	25.3	65.3
66	38.1	54.5	94.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

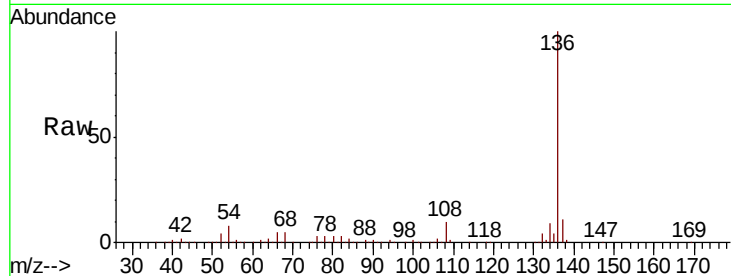
ClientSampleId :

PA-SB-01A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		575860		
137	10.7		8.8	13.2	
54	7.6		5.4	8.2	
68	5.3		4.2	6.2	

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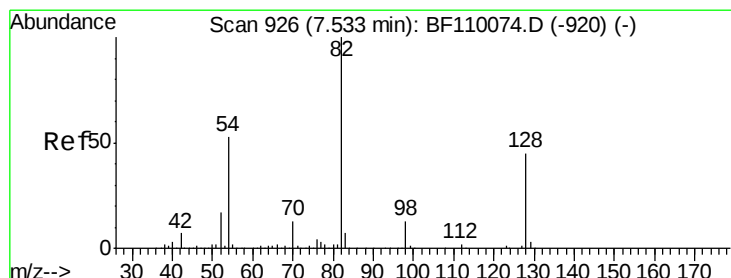
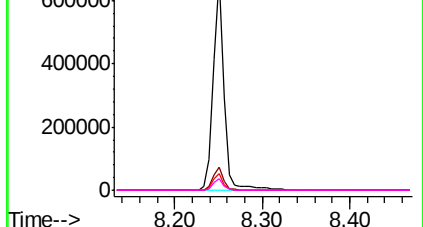
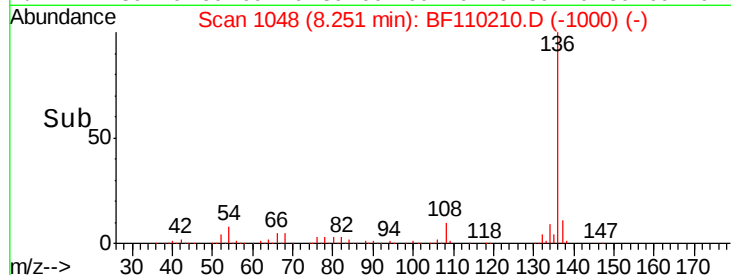


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.562 ng

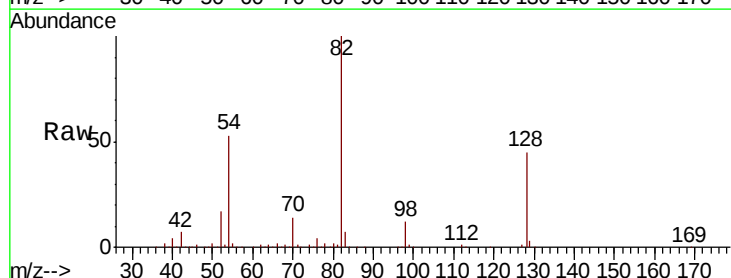
RT: 7.53 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

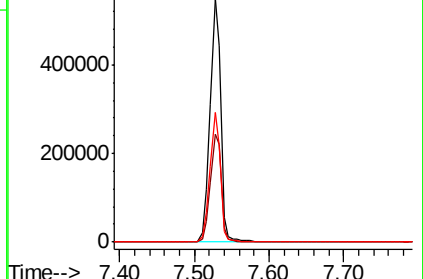
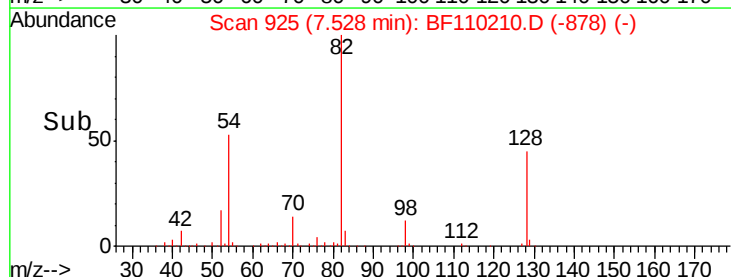
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		549147		
128	44.6		34.2	51.2	
54	53.3		38.6	58.0	

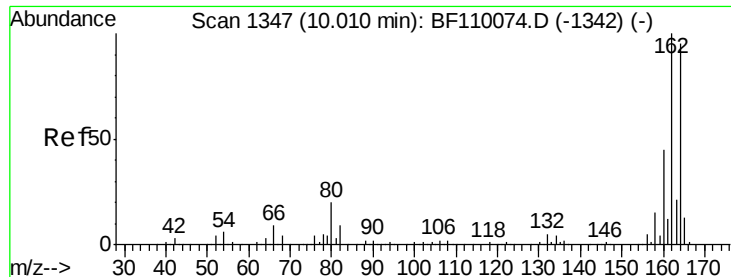


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





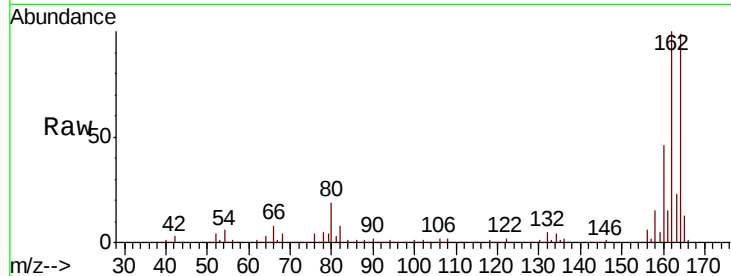
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :
PA-SB-01A

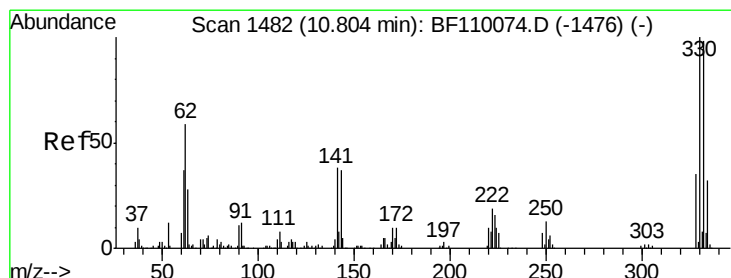
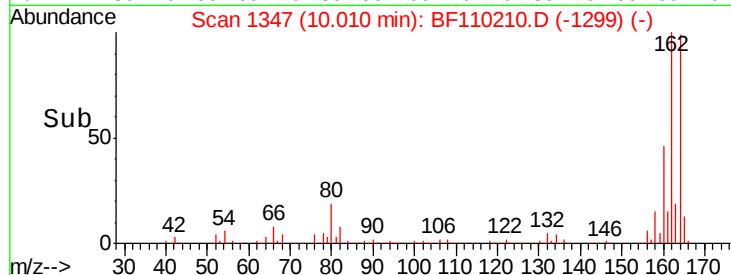
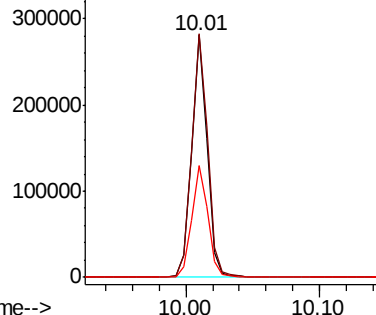
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	83.0	124.6
160	46.3	37.0	55.6

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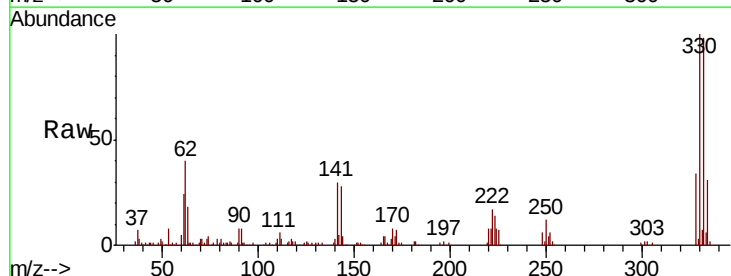


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

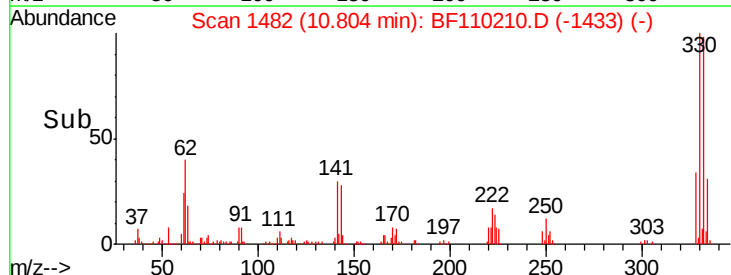
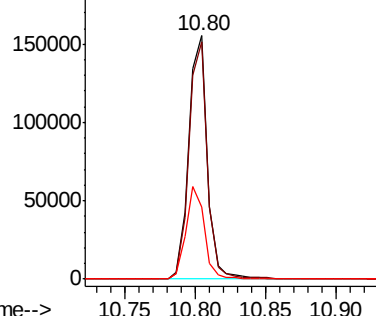


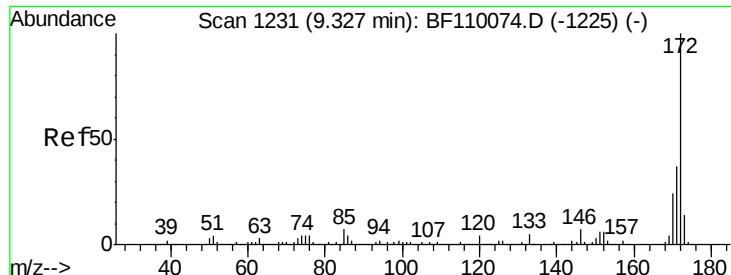
#42
2,4,6-Tribromophenol
Concen: 62.330 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	38.2	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





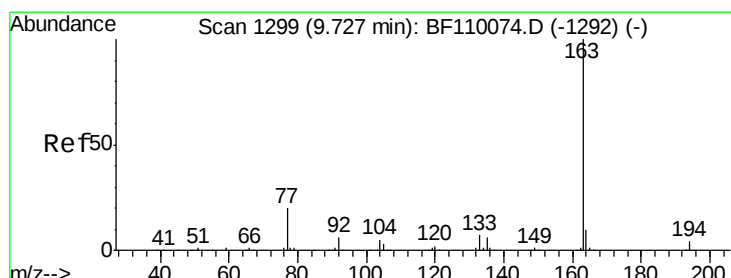
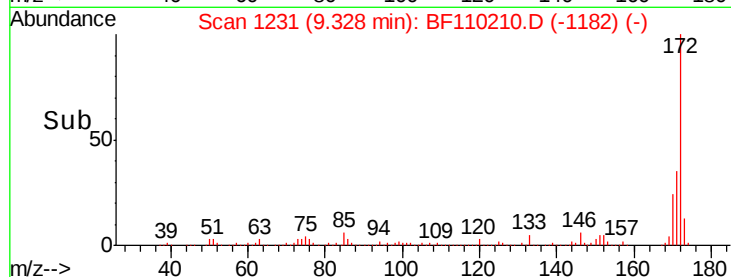
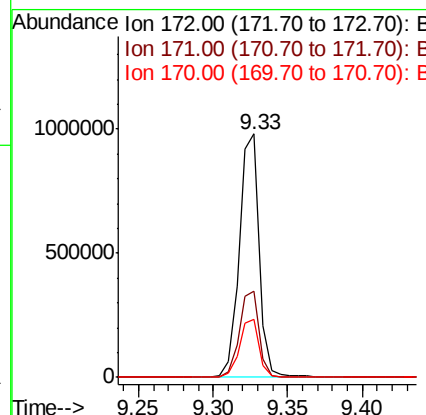
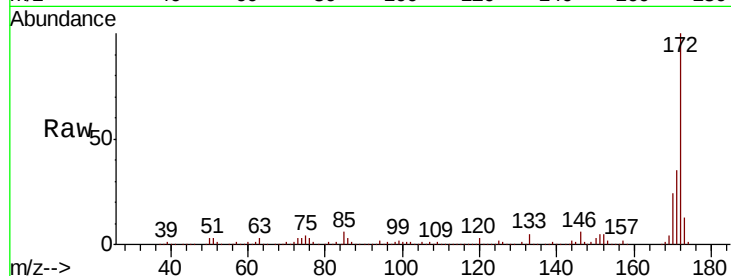
#45
2-Fluorobiphenyl
Concen: 62.953 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :
PA-SB-01A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.8	19.7	29.5

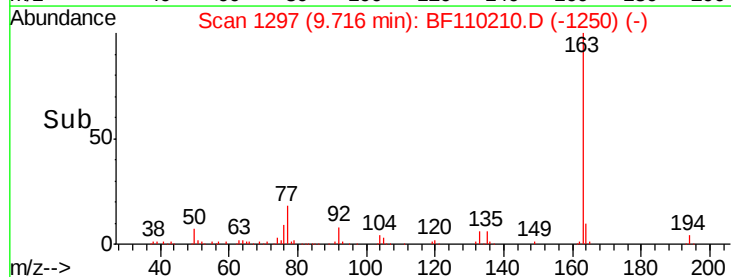
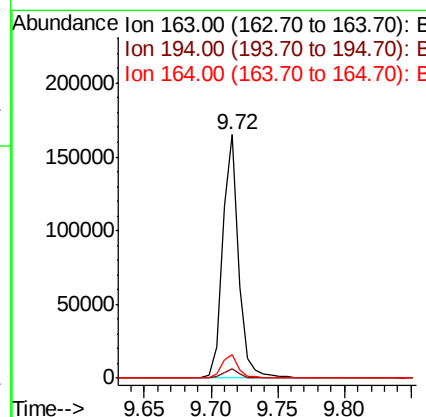
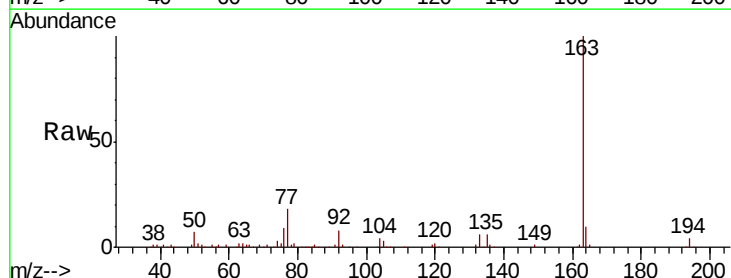
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#50
Dimethylphthalate
Concen: 8.215 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	9.6	8.1	12.1





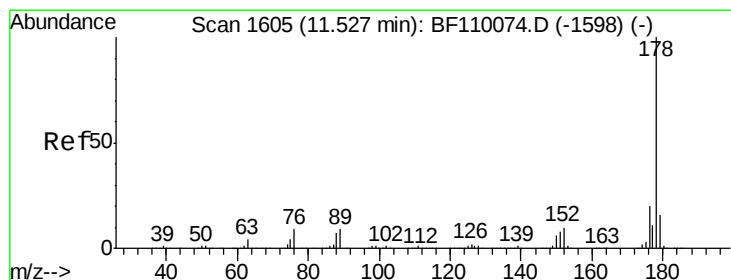
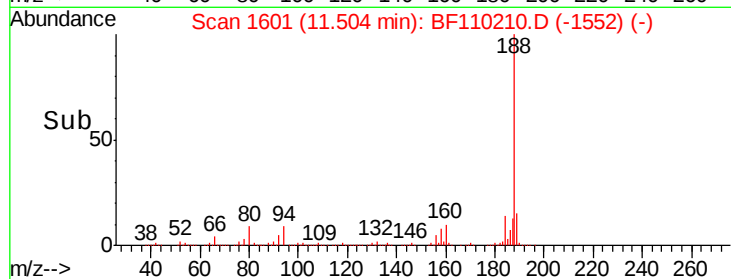
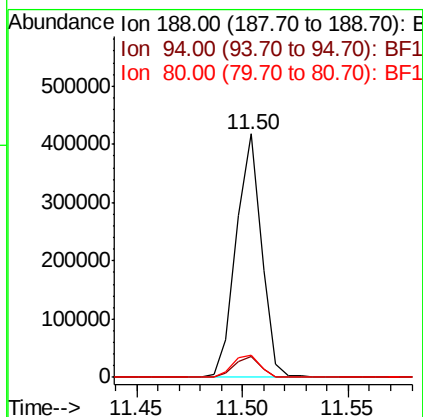
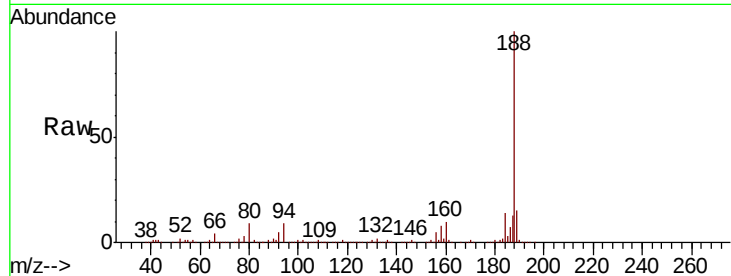
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampled :
PA-SB-01A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.6	7.2	10.8
80	9.3	7.9	11.9

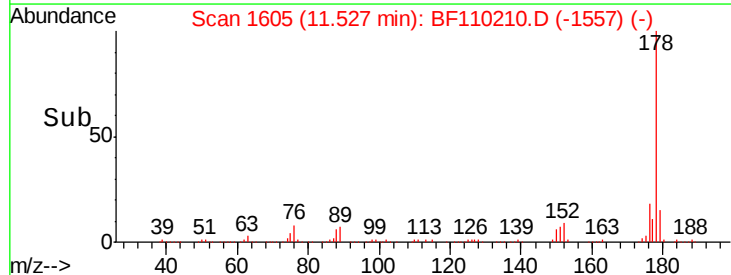
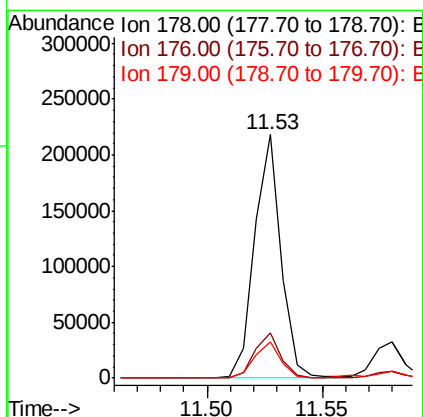
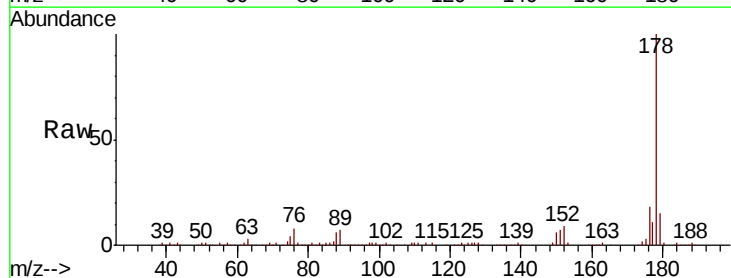
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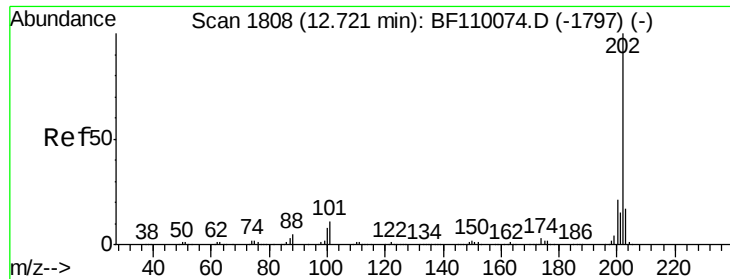
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#71
Phenanthrene
Concen: 9.660 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	15.5	23.3
179	15.0	12.5	18.7





#75

Fluoranthene

Concen: 13.556 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

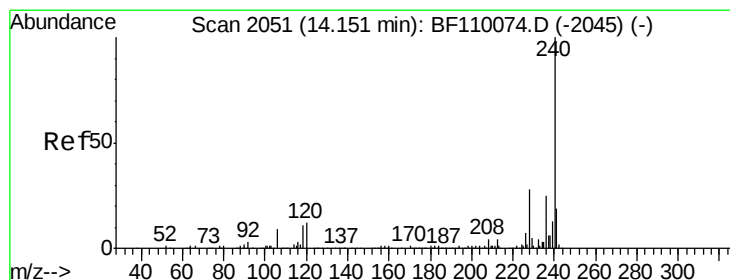
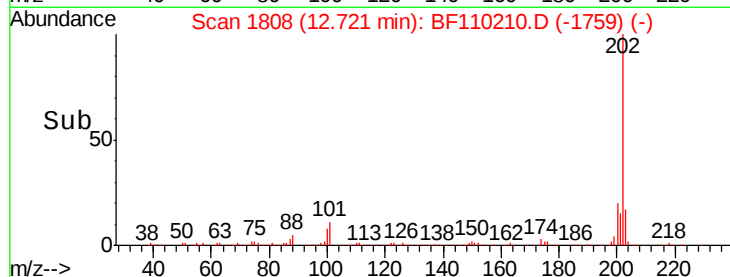
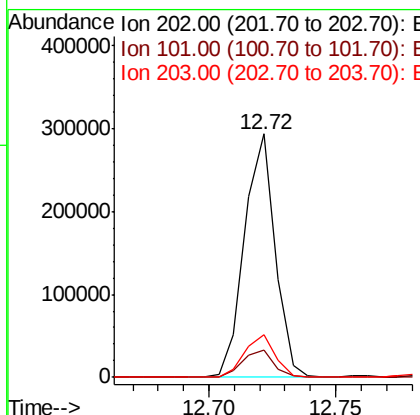
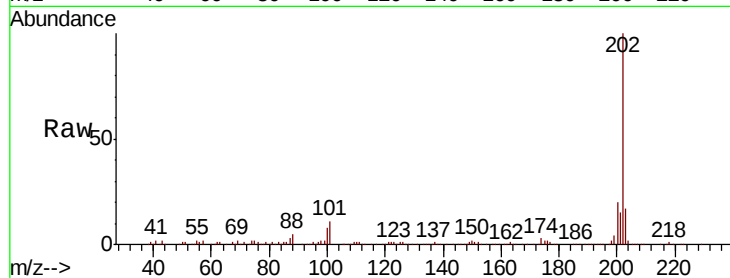
ClientSampleId :

PA-SB-01A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		248563		
101	11.1	0.0	31.4		
203	17.4	0.0	37.7		

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#76

Chrysene-d12

Concen: 20.000 ng

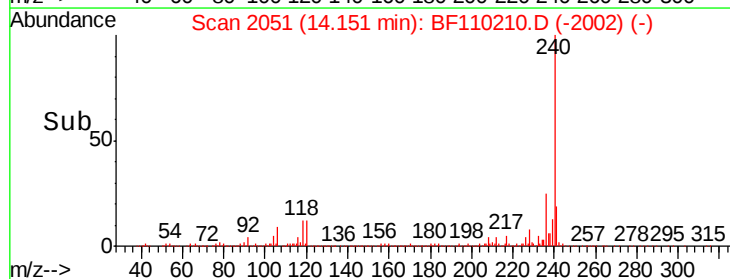
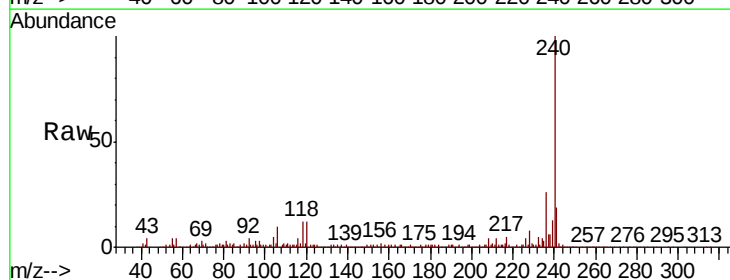
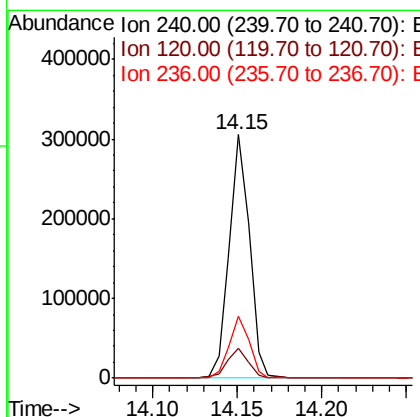
RT: 14.15 min Scan# 2051

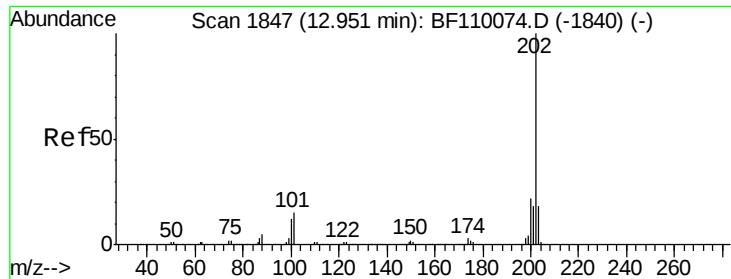
Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		255184		
120	12.1	8.3	12.5		
236	25.6	21.2	31.8		





#78

Pvrene

Concen: 10.899 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

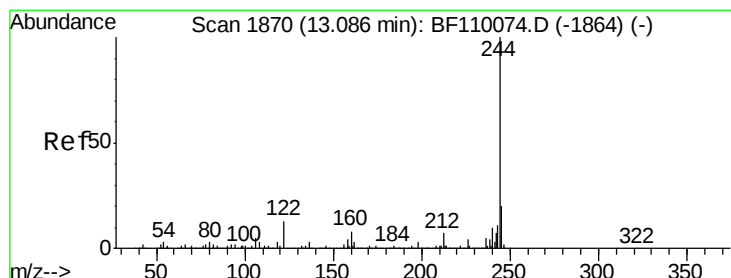
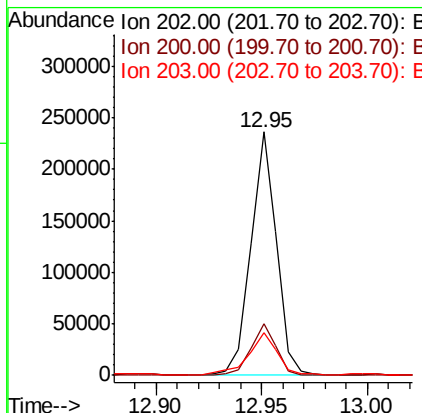
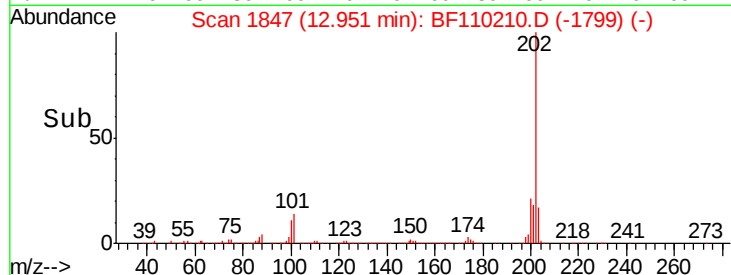
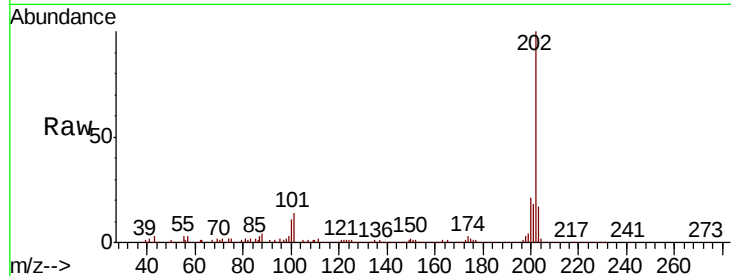
ClientSampleId :

PA-SB-01A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		199385		
200	21.0	17.8	26.6		
203	17.5	14.2	21.4		

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#79

Terphenyl-d14

Concen: 51.370 ng

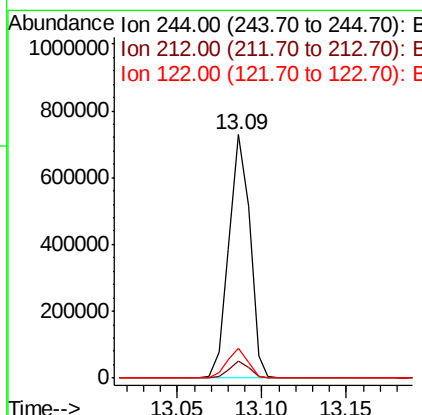
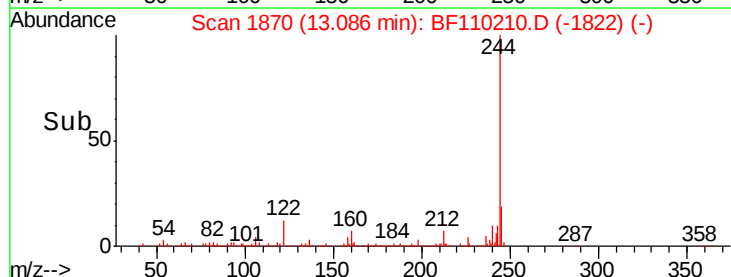
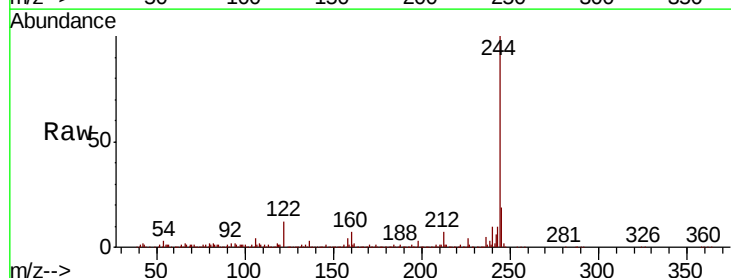
RT: 13.09 min Scan# 1870

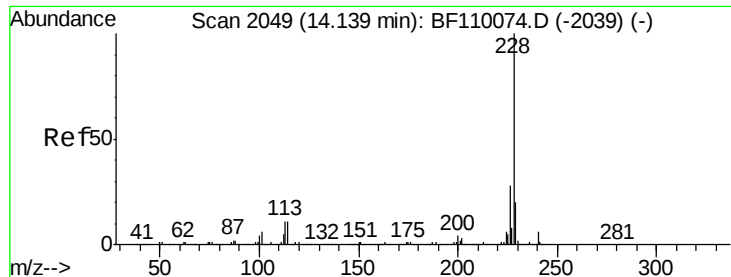
Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100		630323		
212	7.1	5.8	8.8		
122	12.4	8.7	13.1		





#81

Benzo(a)anthracene

Concen: 6.321 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

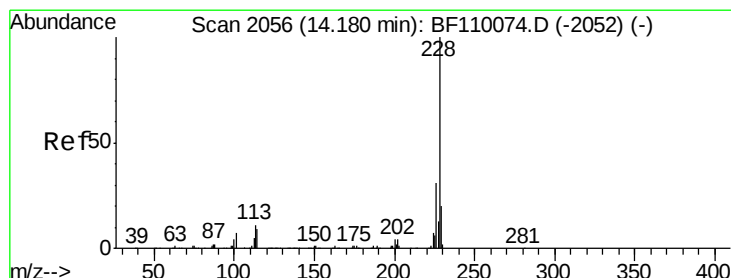
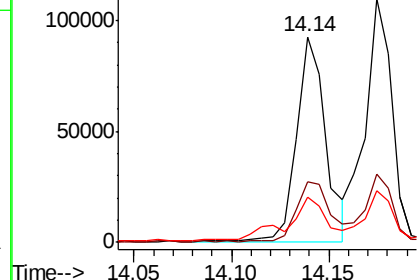
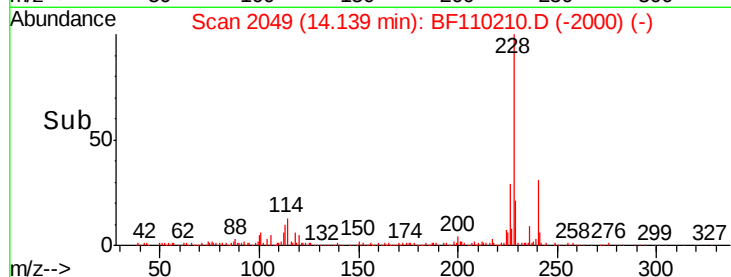
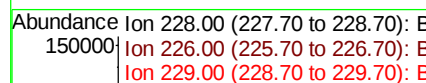
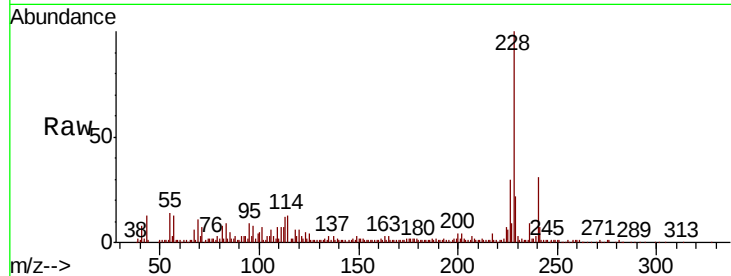
ClientSampled :

PA-SB-01A

Tot Ion:	228	Resp:	95660
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.1	33.1
229	21.9	15.6	23.4

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#83

Chrysene

Concen: 7.244 ng

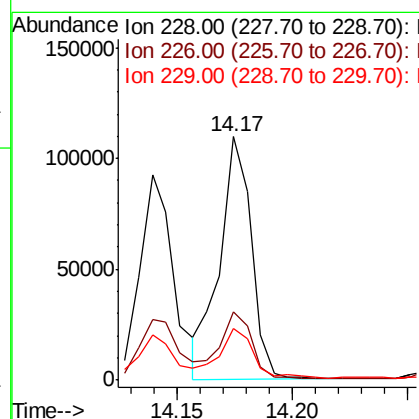
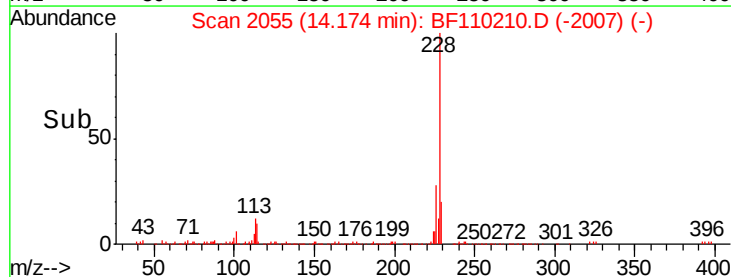
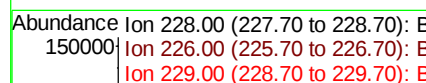
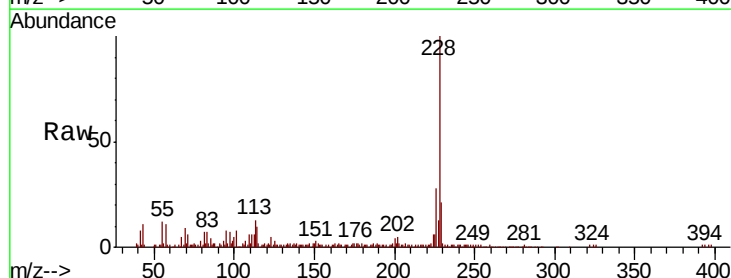
RT: 14.17 min Scan# 2055

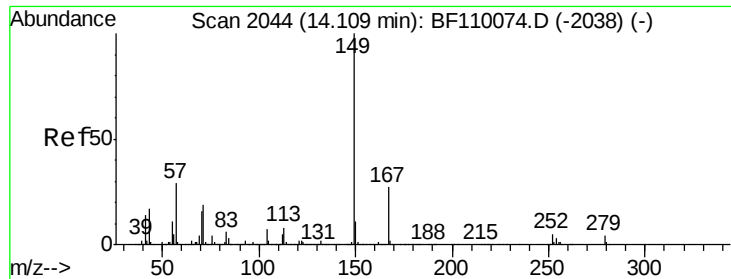
Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Tgt Ion:	228	Resp:	104123
Ion Ratio	Lower	Upper	
228	100		
226	28.1	24.7	37.1
229	21.1	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.082 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.02 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

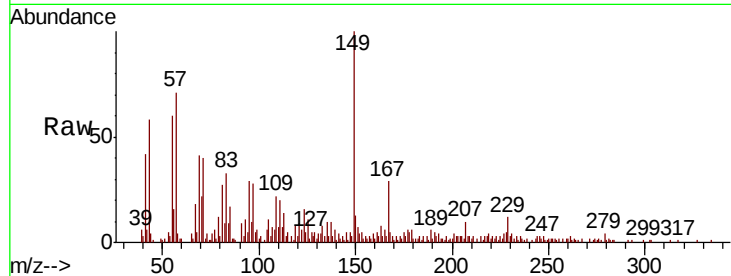
ClientSampleId :

PA-SB-01A

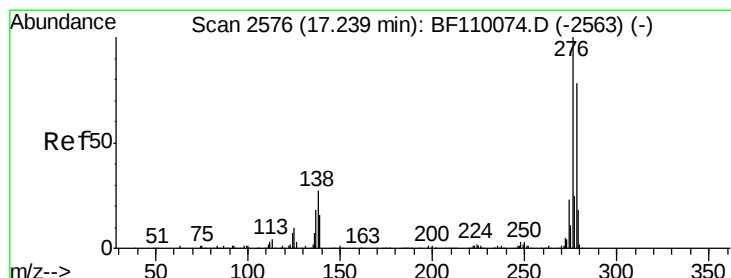
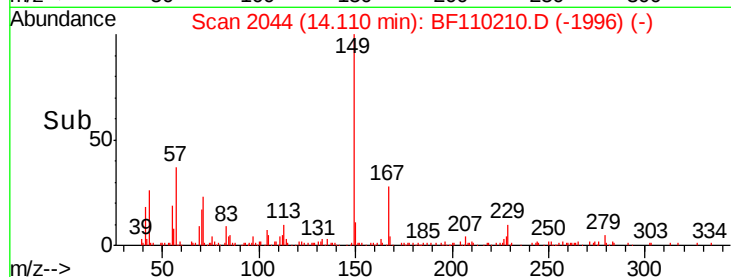
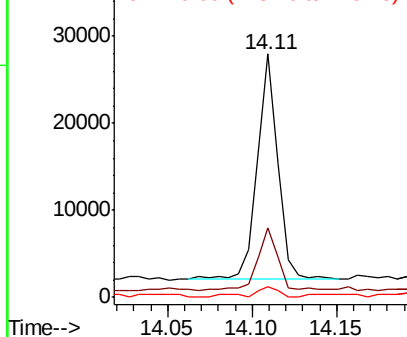
Tot Ion:	149	Resp:	22350
Ion Ratio	Lower	Upper	
149	100		
167	28.8	19.8	29.8
279	4.3	2.7	4.1#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.609 ng

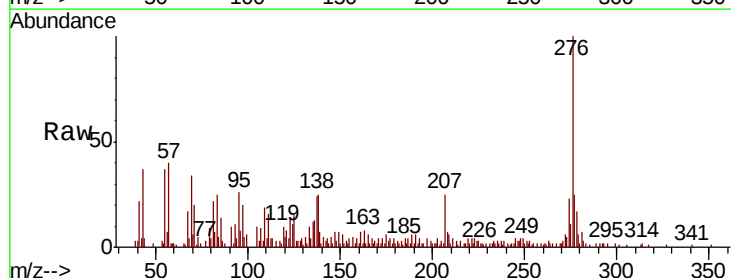
RT: 17.24 min Scan# 2576

Delta R.T. -0.02 min

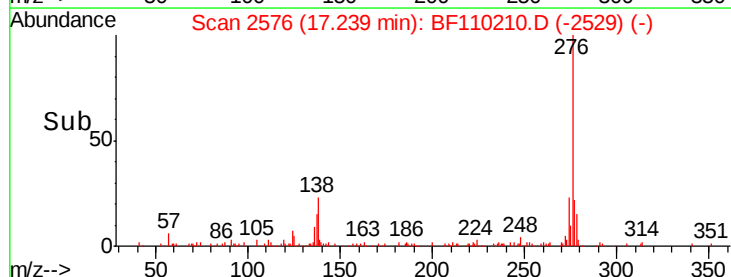
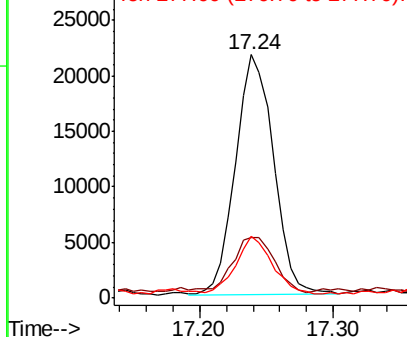
Lab File: BF110210.D

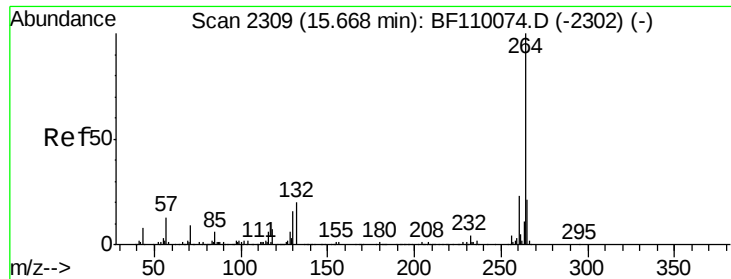
Acq: 26 Oct 2018 15:29

Tgt Ion:	276	Resp:	43032
Ion Ratio	Lower	Upper	
276	100		
138	24.6	18.5	27.7
277	22.5	20.0	30.0



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.01 min

Lab File: BF110210.D

Acq: 26 Oct 2018 15:29

Instrument :

BNA_F

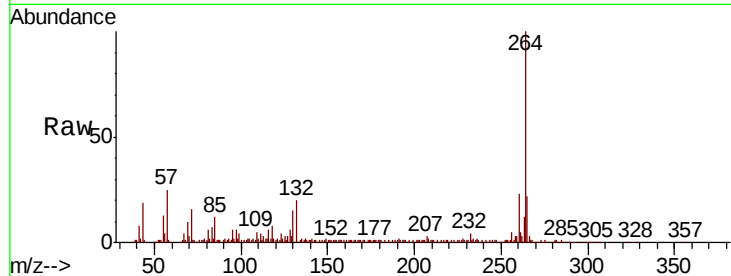
ClientSampleId :

PA-SB-01A

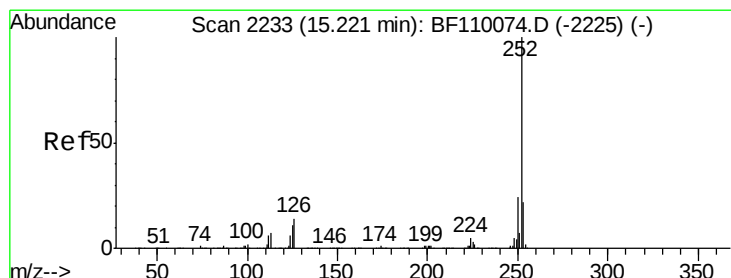
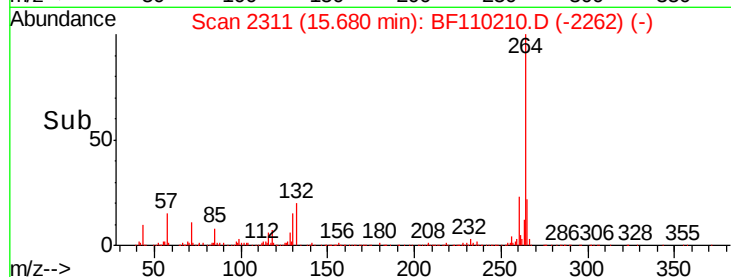
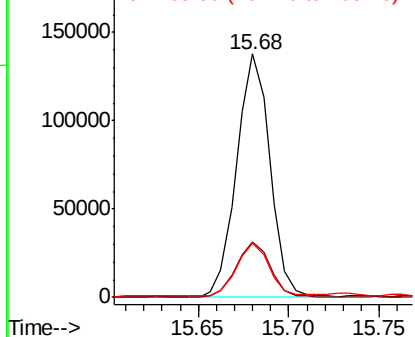
Tot Ion:	264	Resp:	175288
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.7	28.1
265	22.1	16.7	25.1

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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: 12.012 ng m

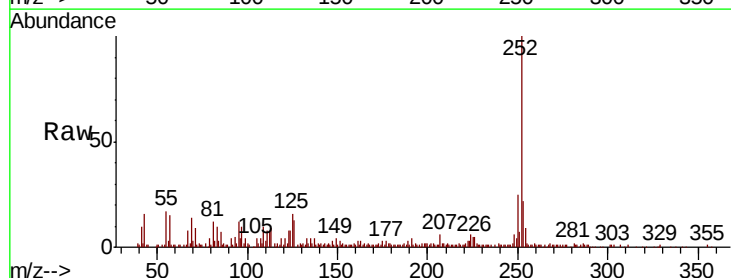
RT: 15.23 min Scan# 2234

Delta R.T. -0.01 min

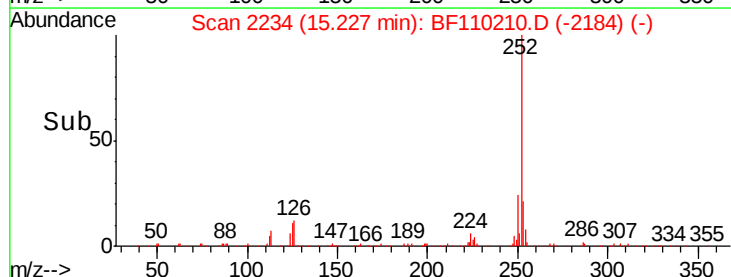
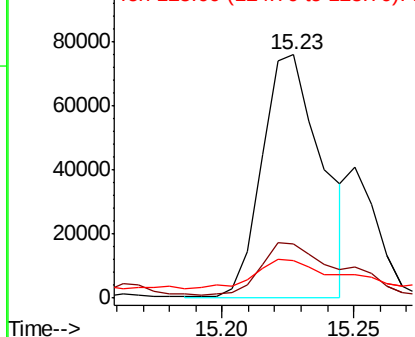
Lab File: BF110210.D

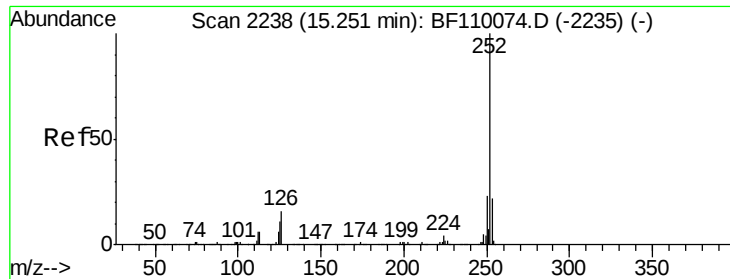
Acq: 26 Oct 2018 15:29

Tgt Ion:	252	Resp:	121586
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.2	25.8
125	15.6	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





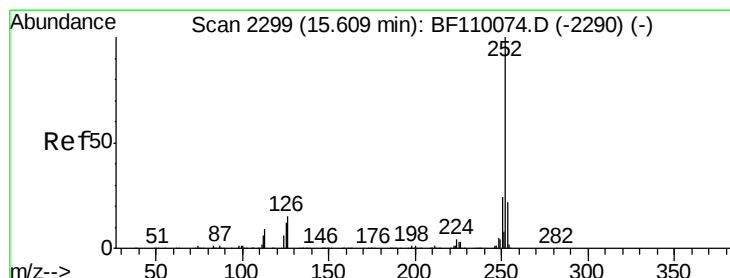
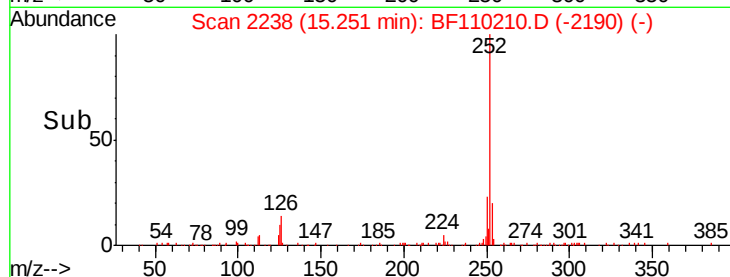
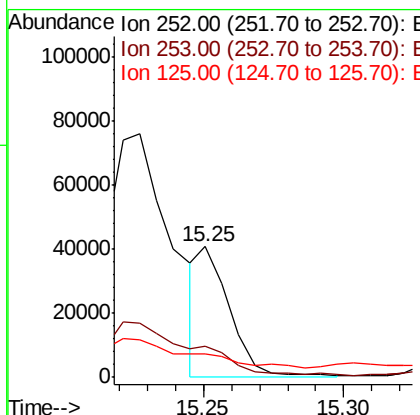
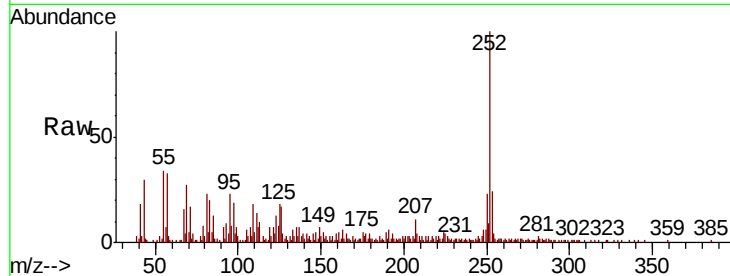
#89
Benzo(k)fluoranthene
Concen: 3.247 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Instrument :
BNA_F
ClientSampleId :
PA-SB-01A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	18.2	7.4	11.0

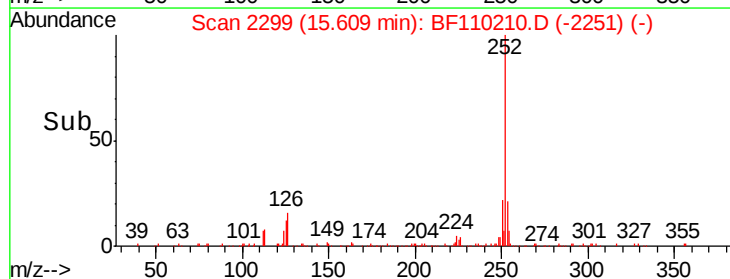
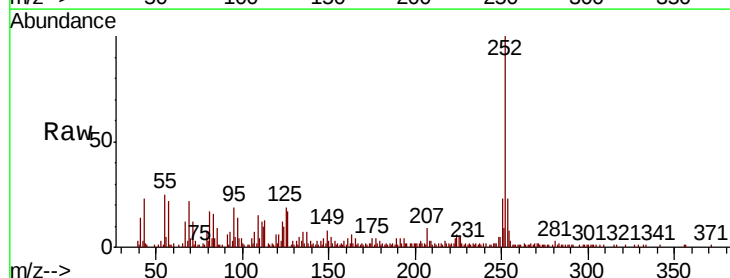
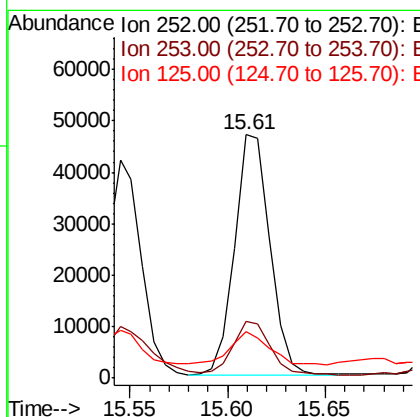
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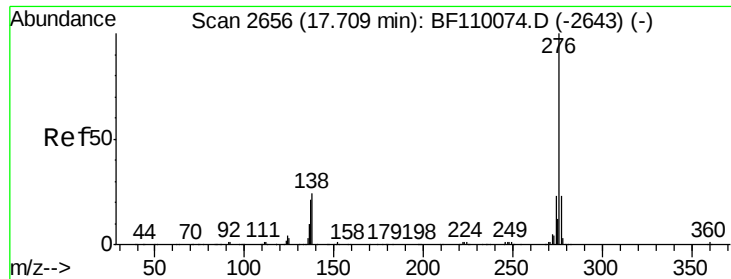
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#90
Benzo(a)pyrene
Concen: 6.307 ng
RT: 15.61 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BF110210.D
Acq: 26 Oct 2018 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	19.3	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.283 ng
 RT: 17.72 min Scan# 2657
 Delta R.T. -0.02 min
 Lab File: BF110210.D
 Acq: 26 Oct 2018 15:29

Instrument :
 BNA_F
 ClientSampleId :
 PA-SB-01A

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.8	28.2
138	25.9	16.0	24.0

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