

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110251.D
 Acq On : 29 Oct 2018 10:10
 Operator : JU/SJ
 Sample : J5654-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW2-01

Manual Integrations
 APPROVED

Sohil
 10/30/2018 2:24:05 PM

Quant Time: Oct 29 12:37:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 12:32:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	115121	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	461047	20.00	ng	0.00
39) Acenaphthene-d10	10.01	164	209858	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	344120	20.00	ng	0.00
76) Chrysene-d12	14.15	240	209204	20.00	ng	0.00
87) Perylene-d12	15.69	264	201284	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	664671	94.02	ng	0.01
7) Phenol-d6	6.60	99	1029318	113.83	ng	0.00
23) Nitrobenzene-d5	7.53	82	637518	82.02	ng	0.00
42) 2,4,6-Tribromophenol	10.80	330	96942	46.63	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	1195271	89.44	ng	0.00
79) Terphenyl-d14	13.09	244	906562	90.12	ng	0.00
Target Compounds						
10) Phenol	6.60	94	46332	4.794	ng	Qvalue # 70
50) Dimethylphthalate	9.72	163	100965	6.518	ng	99
71) Phenanthrene	11.53	178	153163	8.506	ng	99
72) Anthracene	11.58	178	36112	2.001	ng	99
75) Fluoranthene	12.72	202	143022	7.827	ng	100
78) Pyrene	12.95	202	134706	8.982	ng	98
81) Benzo(a)anthracene	14.15	228	56698	4.570	ng	98
83) Chrysene	14.18	228	46305	3.930	ng	97
86) Indeno(1,2,3-cd)pyrene	17.25	276	22707	2.323	ng	95
88) Benzo(b)fluoranthene	15.23	252	57638m	4.959	ng	
90) Benzo(a)pyrene	15.62	252	42942	4.015	ng	# 92
92) Benzo(a,h,i)perylene	17.73	276	21656	2.381	ng	96

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

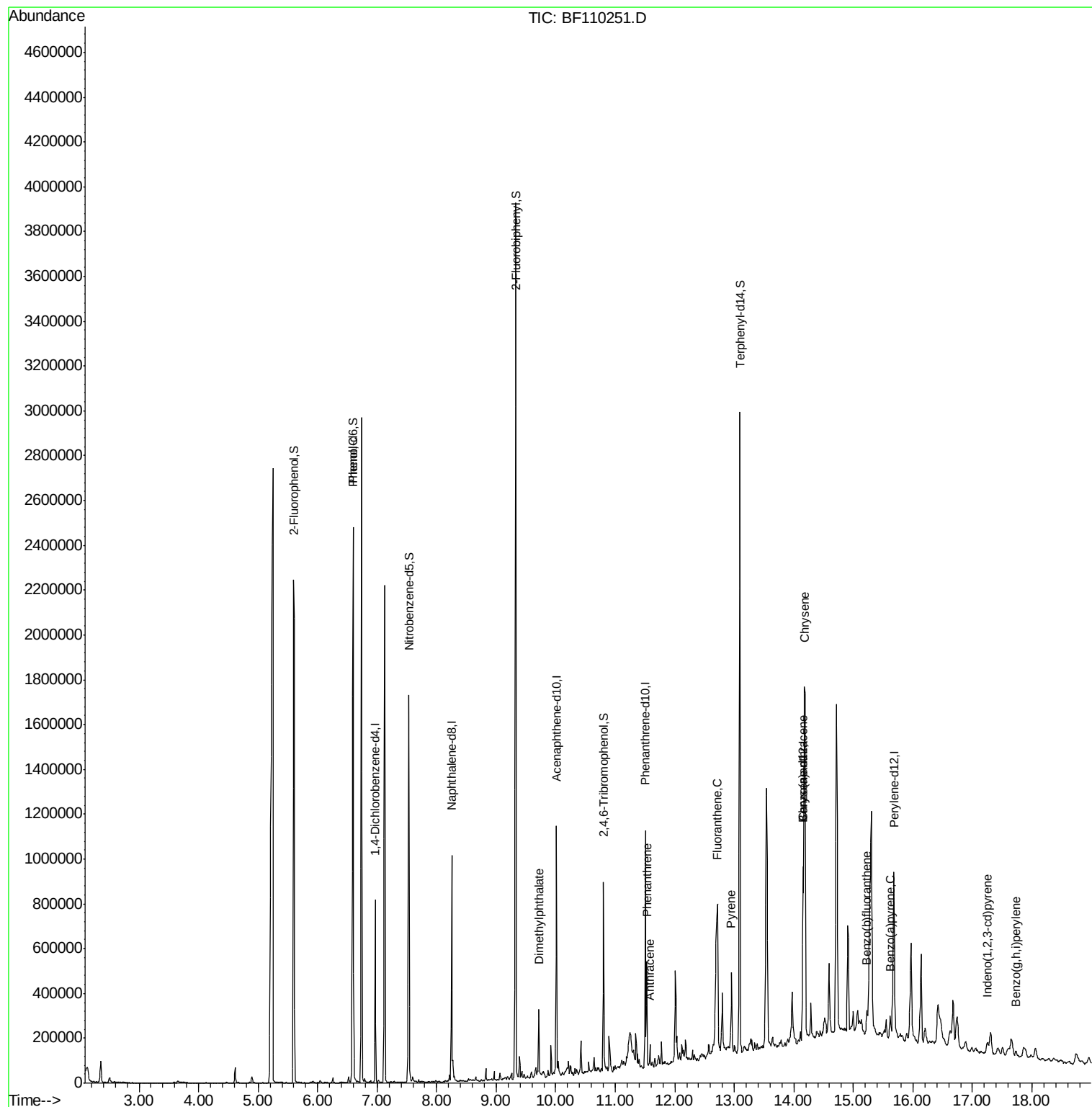
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
Data File : BF110251.D
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Operator : JU/SJ
Sample : J5654-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

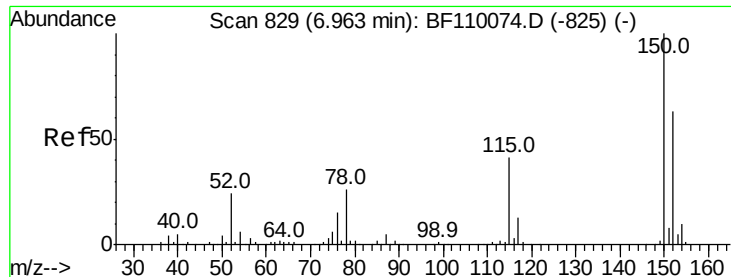
Instrument :
BNA_F
ClientSampleId :
SW2-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

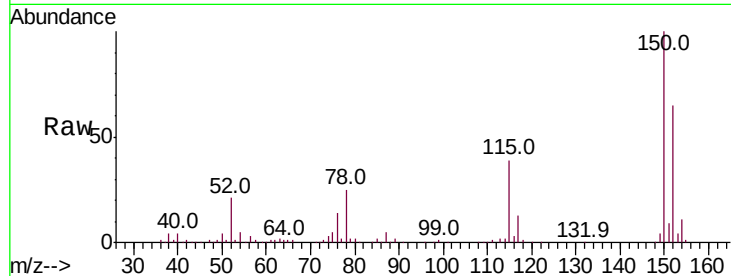
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampled :
SW2-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.7	184.1
115	60.9	49.1	73.7

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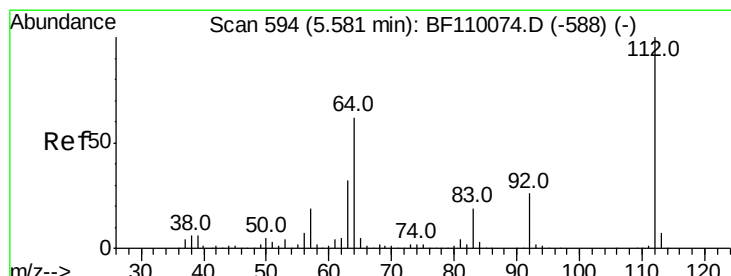
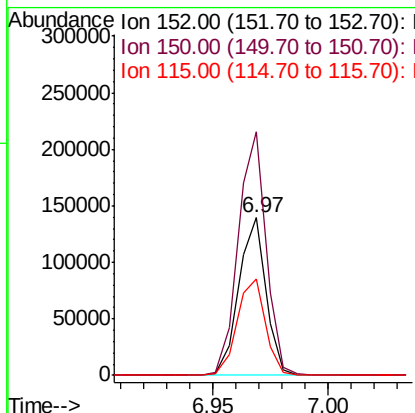
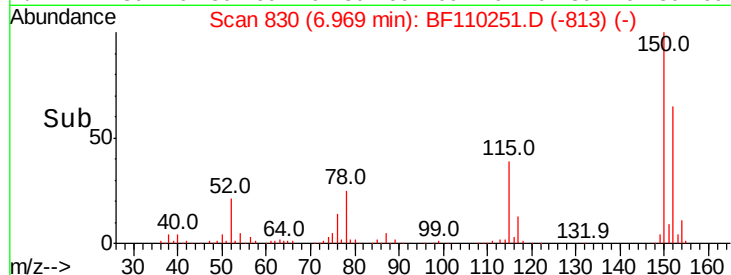


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

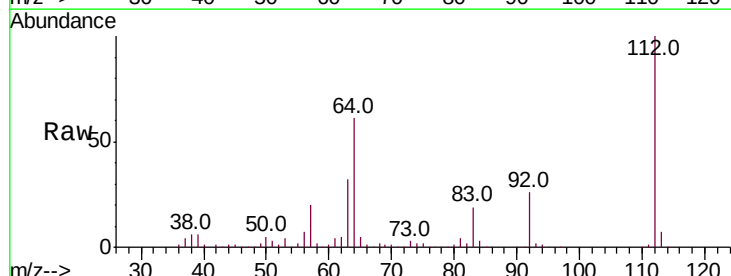
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.021 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	44.1	66.1
63	31.7	23.7	35.5

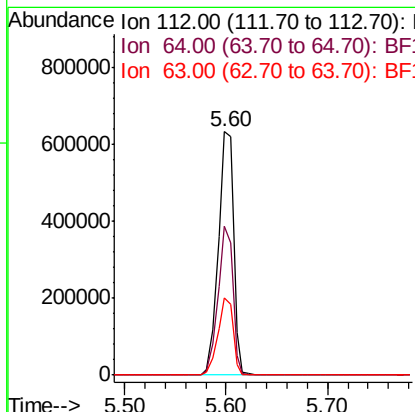
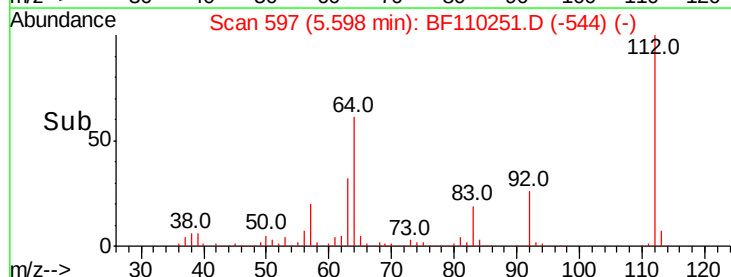


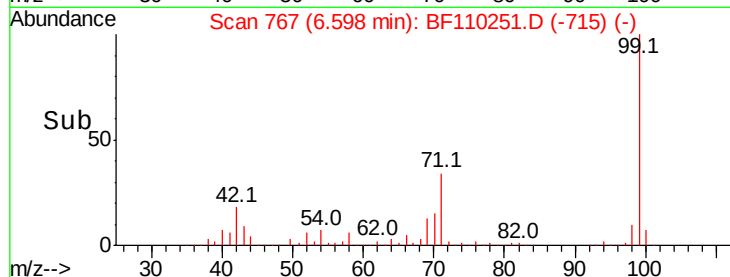
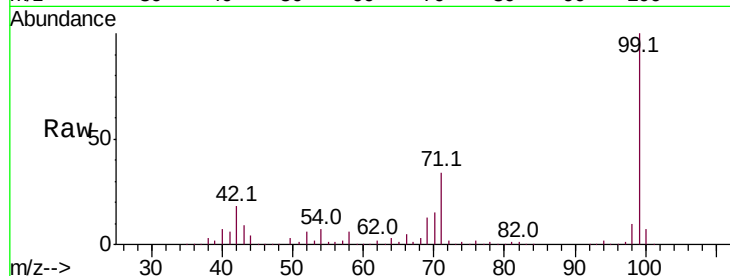
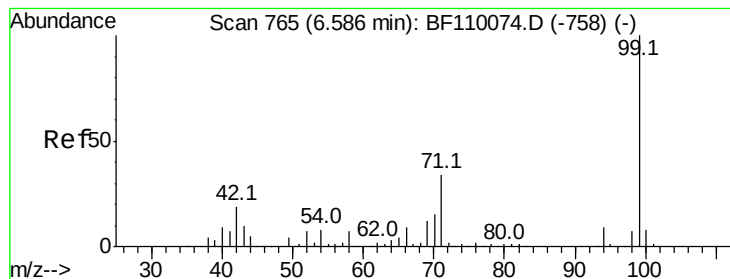
Abundance

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: 113.834 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Tot Ion: 99 Resp: 1029318

Ion Ratio Lower Upper

99 100

42 17.7 15.8 23.6

71 34.1 28.0 42.0

Instrument :

BNA_F

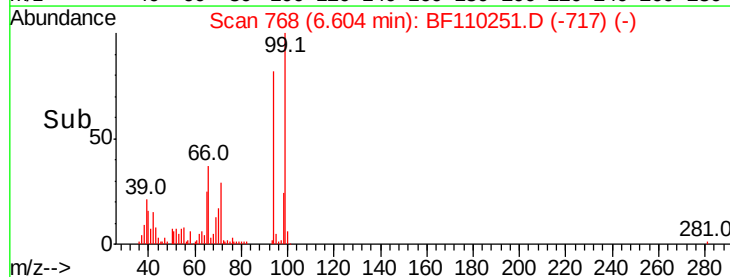
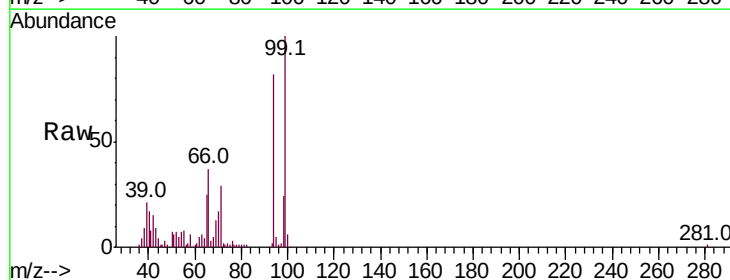
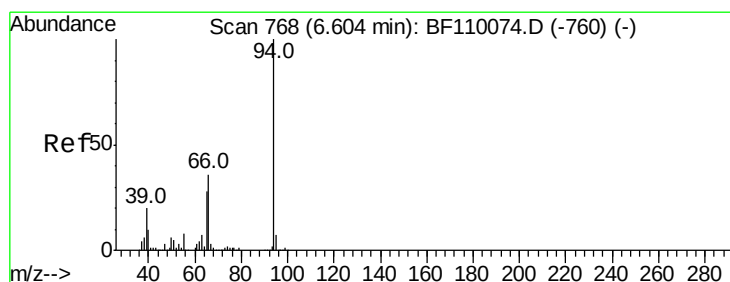
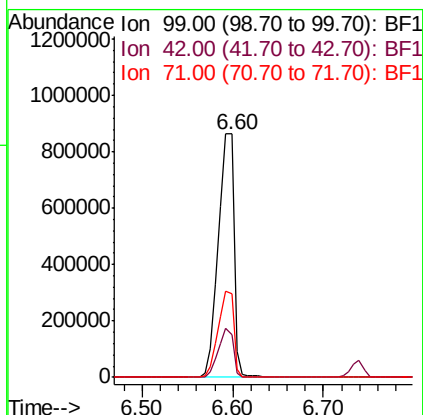
ClientSampled :

SW2-01

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#10

Phenol

Concen: 4.794 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.00 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

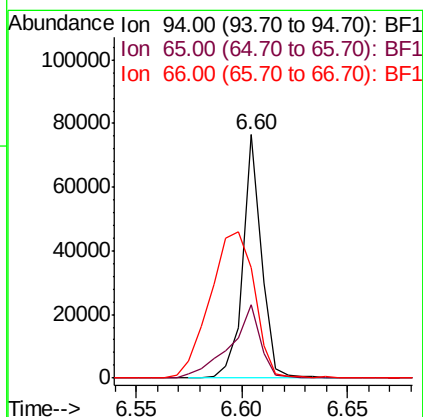
Tgt Ion: 94 Resp: 46332

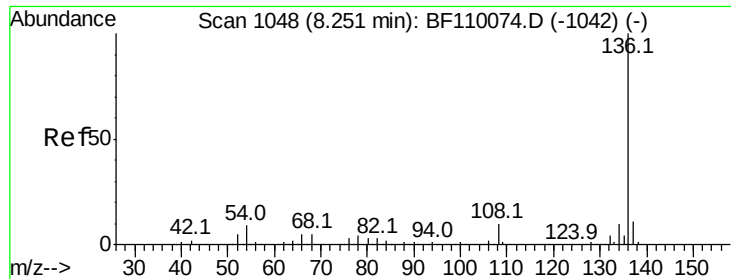
Ion Ratio Lower Upper

94 100

65 30.0 25.3 65.3

66 45.1 54.5 94.5#





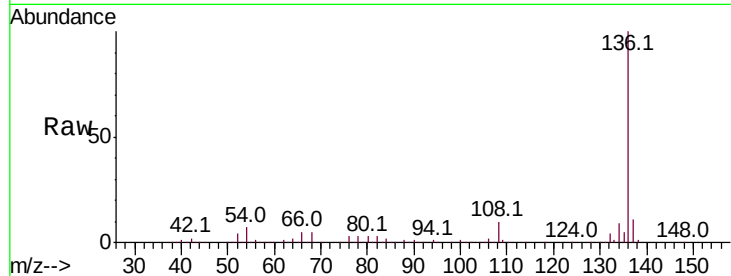
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :
SW2-01

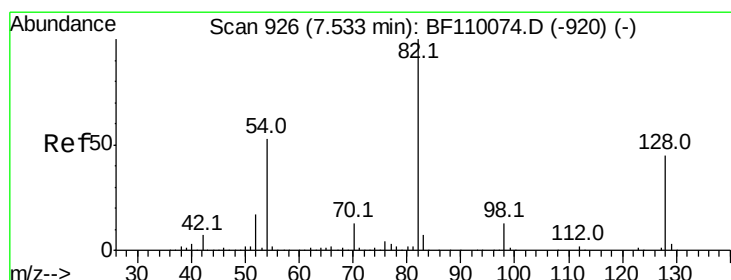
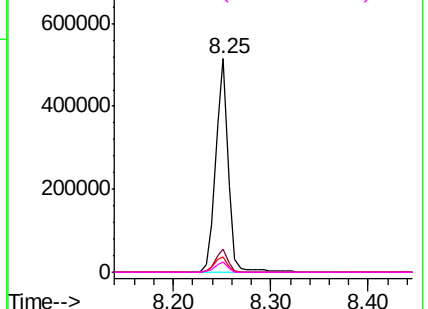
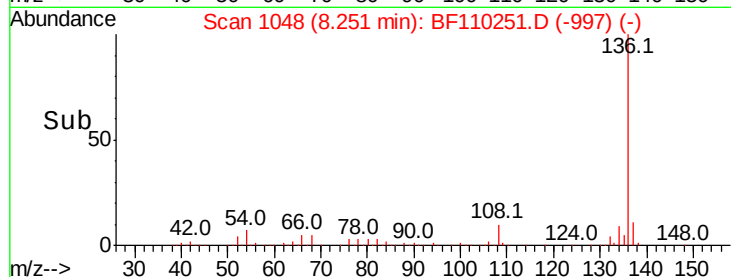
Tot Ion	Ratio	Resp	Lower	Upper
136	100	461047		
137	10.6	8.8	13.2	
54	7.5	5.4	8.2	
68	4.8	4.2	6.2	

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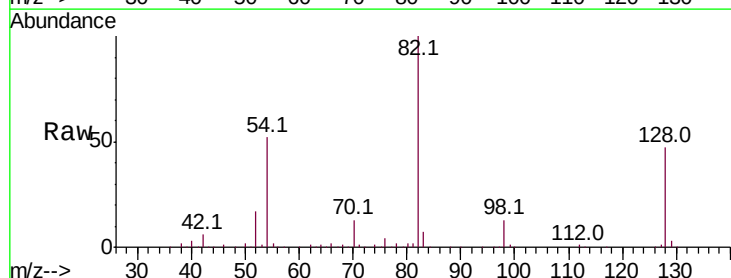


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

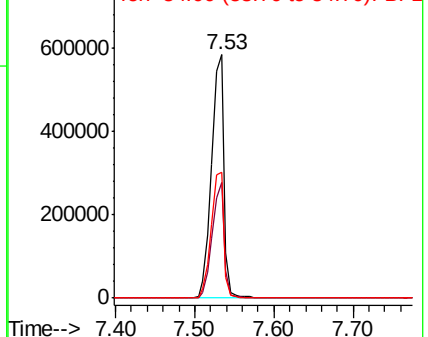
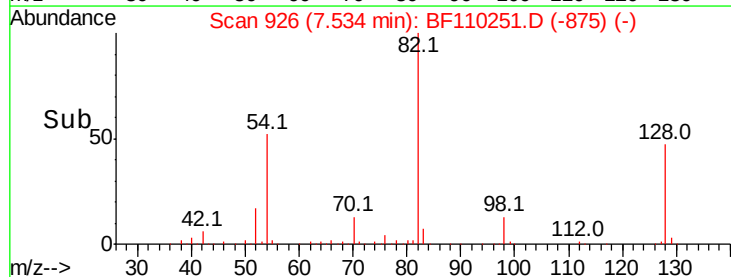


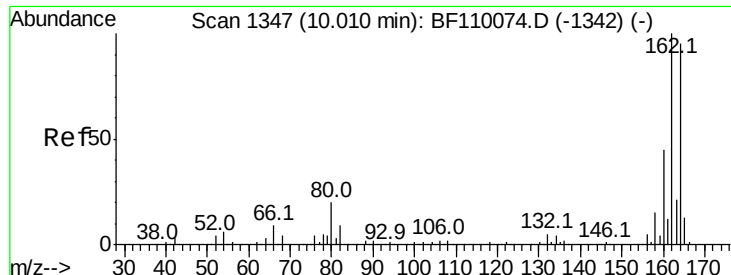
#23
Nitrobenzene-d5
Concen: 82.016 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	637518		
128	47.4	34.2	51.2	
54	51.7	38.6	58.0	



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





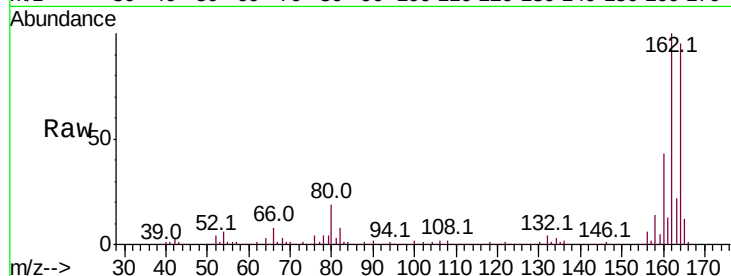
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampled :
SW2-01

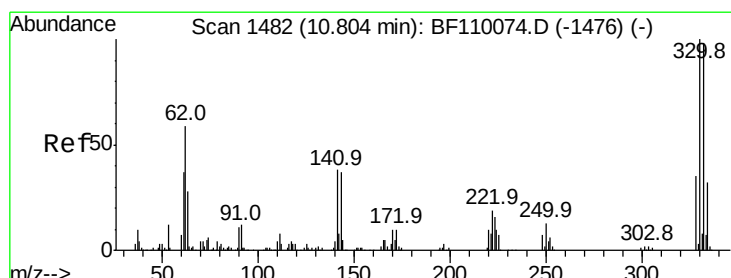
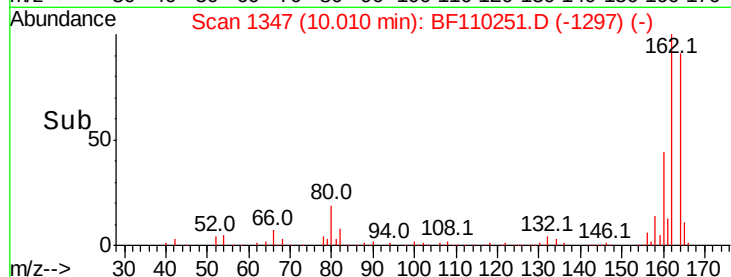
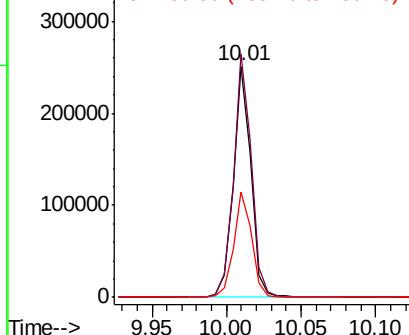
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.4	83.0	124.6	
160	45.9	37.0	55.6	

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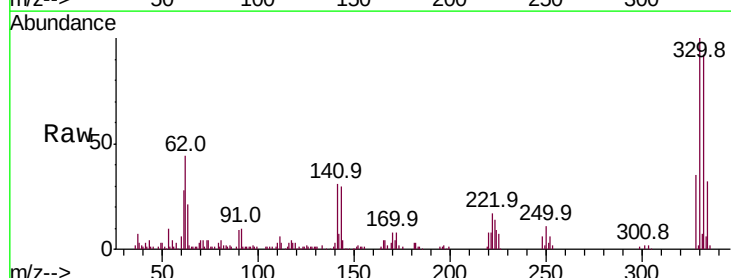


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

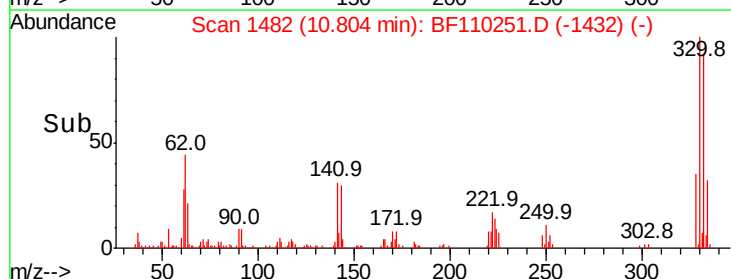
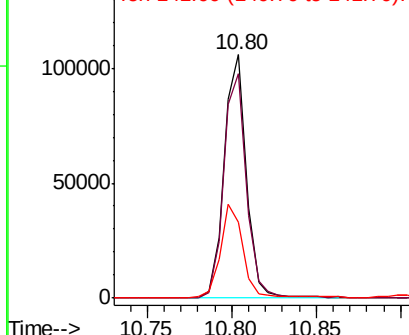


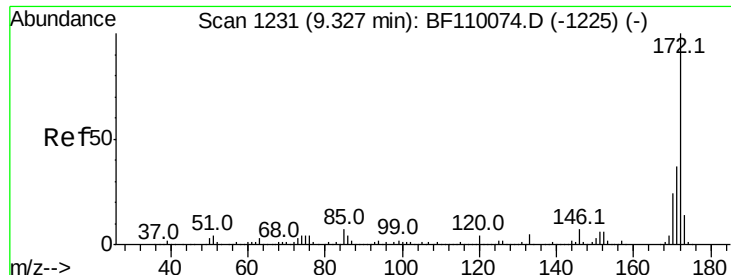
#42
2,4,6-Tribromophenol
Concen: 46.634 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	77.1	115.7	
141	39.7	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: 89.436 ng

RT: 9.33 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Instrument :

BNA_F

ClientSampleId :

SW2-01

Tot Ion:172 Resp: 1195271

Ion Ratio Lower Upper

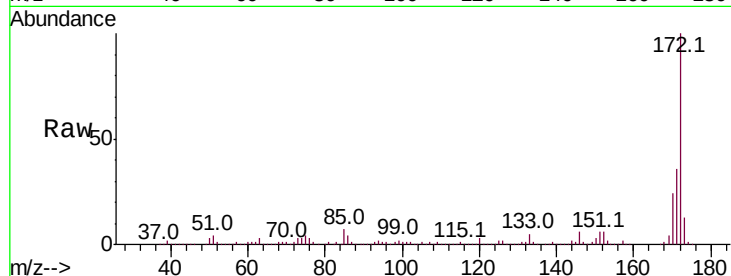
172 100

171 36.2 28.6 43.0

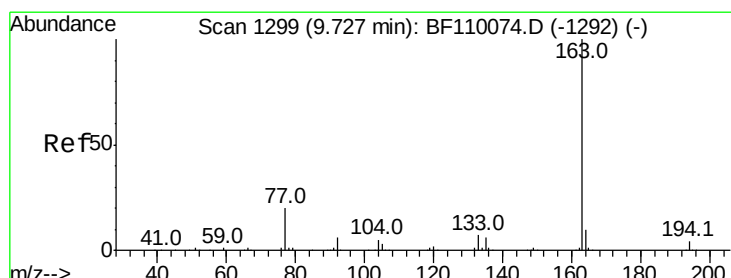
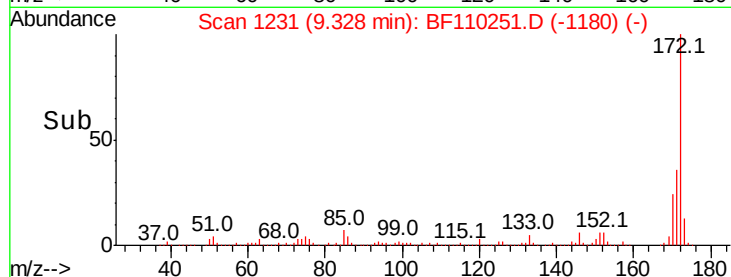
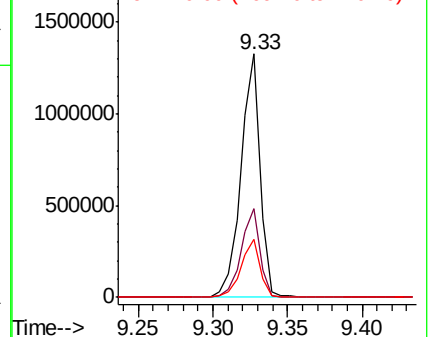
170 23.9 19.7 29.5

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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



#50

Dimethylphthalate

Concen: 6.518 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

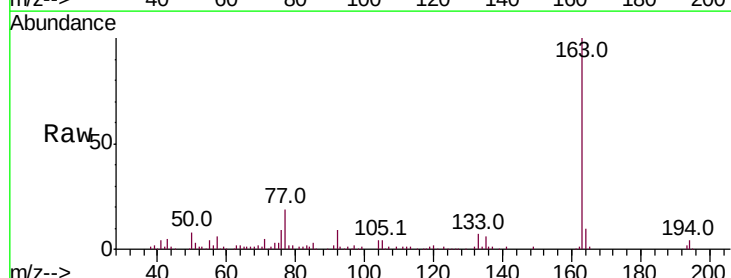
Tgt Ion:163 Resp: 100965

Ion Ratio Lower Upper

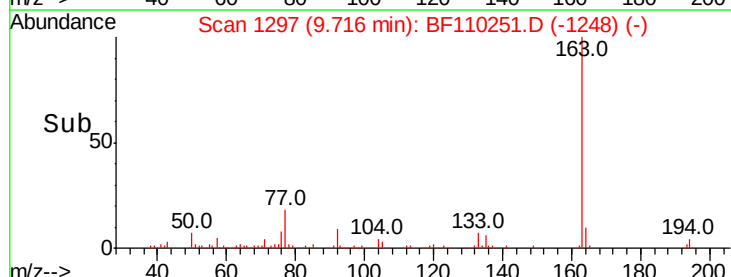
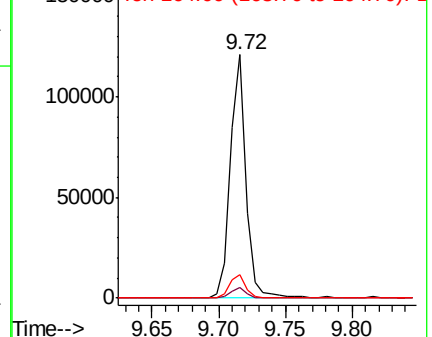
163 100

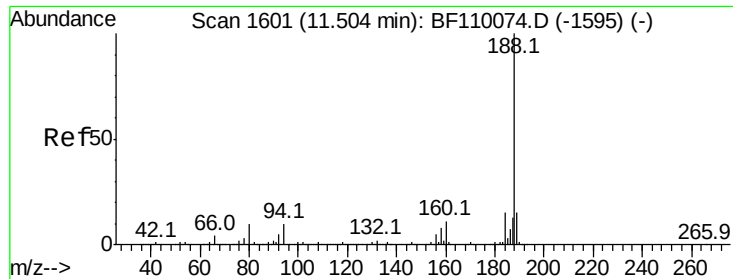
194 4.1 3.2 4.8

164 9.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





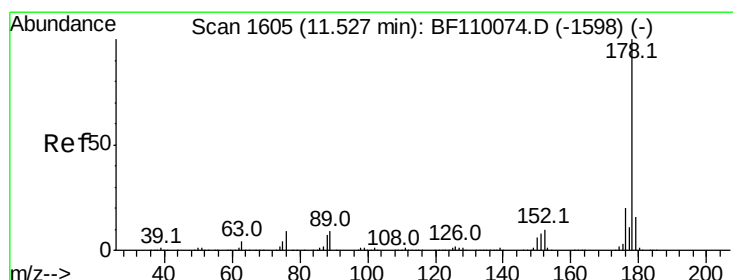
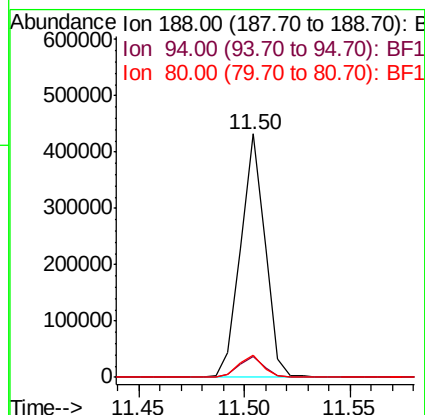
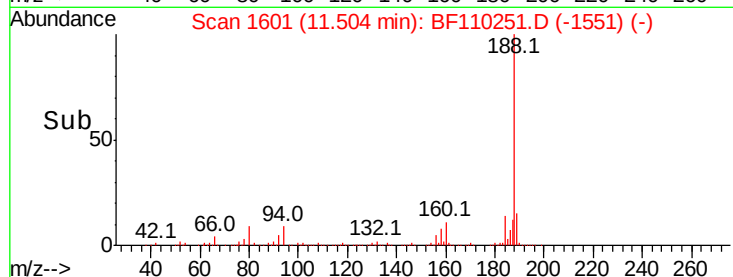
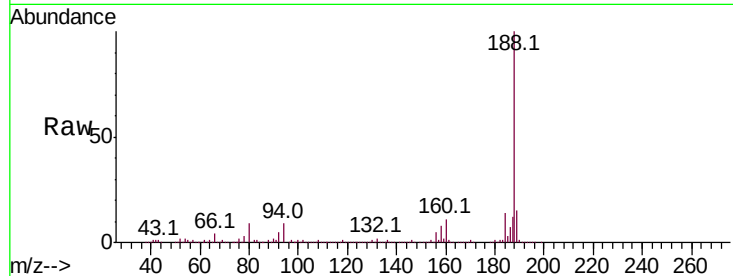
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampled :
SW2-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	344120		
94	8.7		7.2	10.8
80	9.4		7.9	11.9

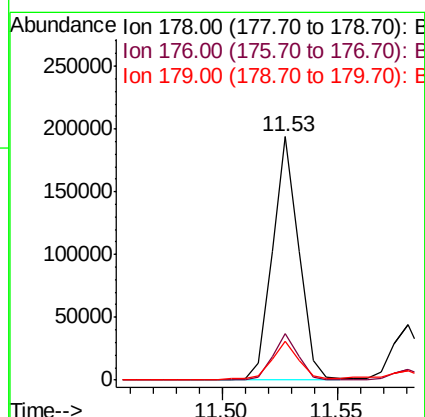
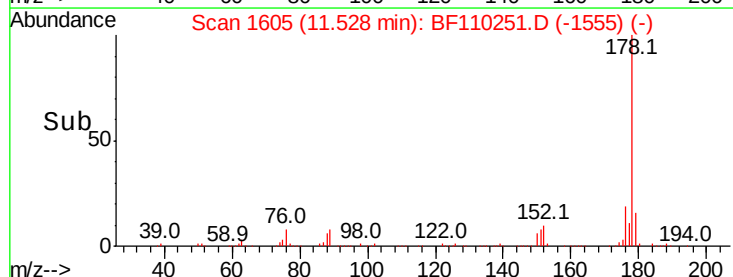
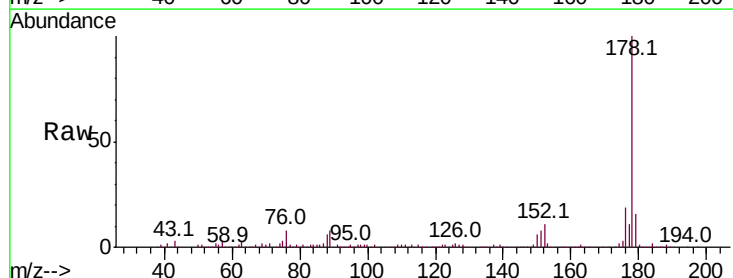
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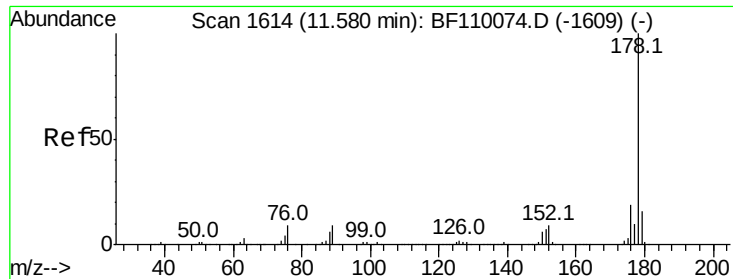
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#71
Phenanthrene
Concen: 8.506 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	153163		
176	19.0		15.5	23.3
179	15.8		12.5	18.7





#72

Anthracene

Concen: 2.001 ng

RT: 11.58 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Instrument :

BNA_F

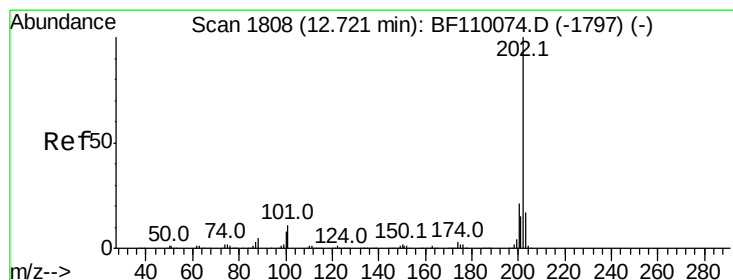
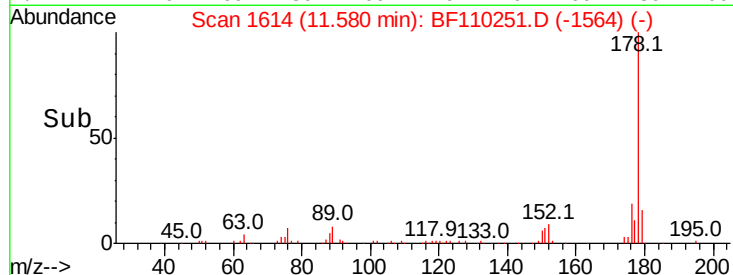
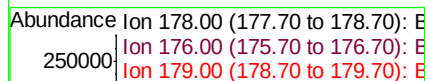
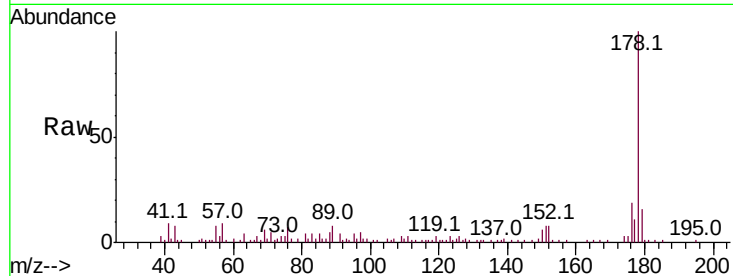
ClientSampleId :

SW2-01

Tot Ion:	178	Resp:	36112
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	16.3	12.6	18.8

Manual Integrations
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#75

Fluoranthene

Concen: 7.827 ng

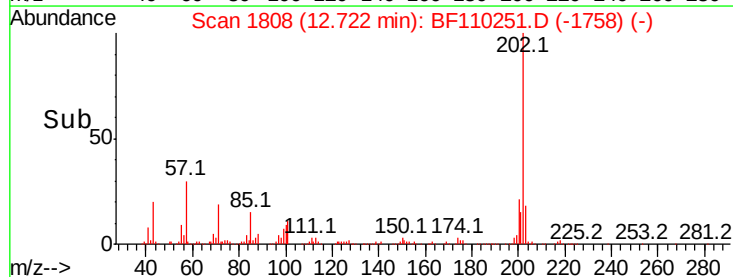
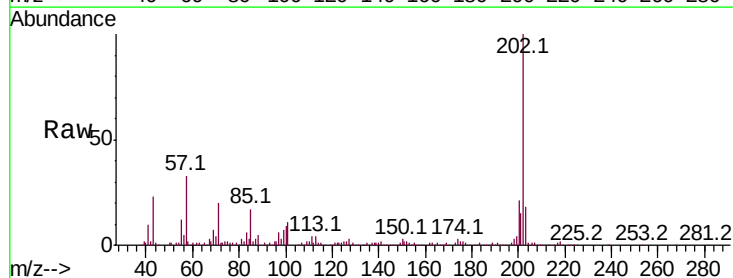
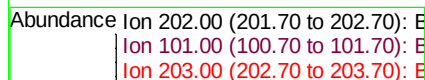
RT: 12.72 min Scan# 1808

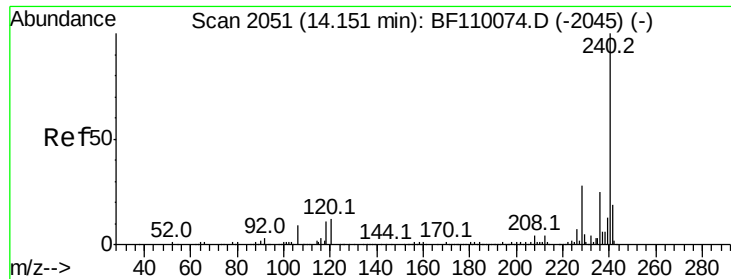
Delta R.T. -0.01 min

Lab File: BF110251.D

Acq: 29 Oct 2018 10:10

Tgt Ion:	202	Resp:	143022
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	31.4
203	17.7	0.0	37.7





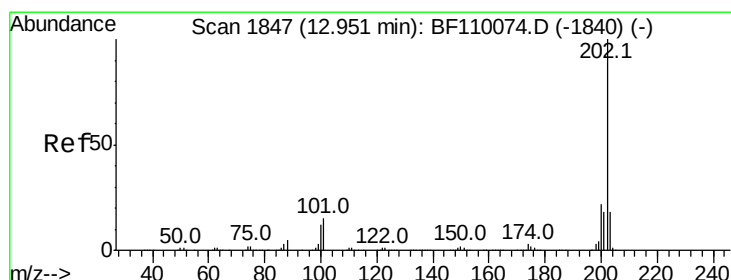
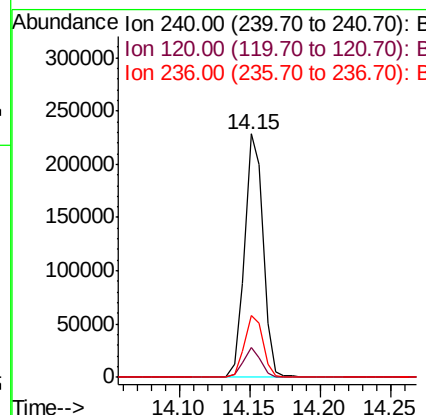
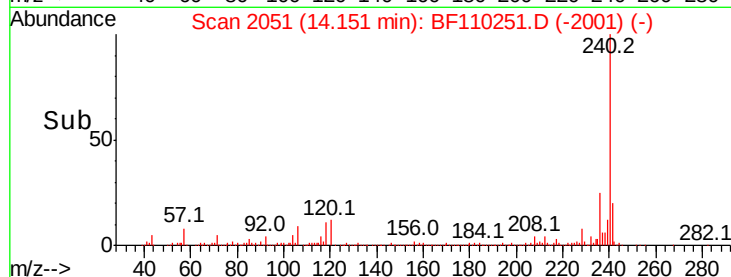
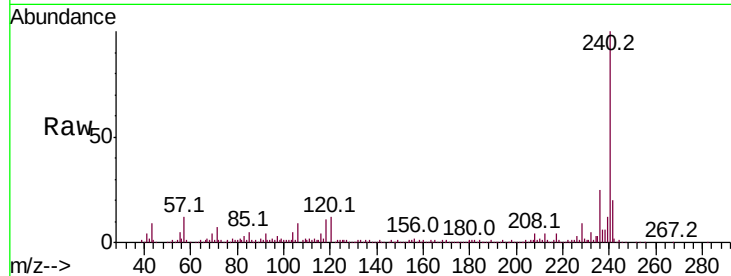
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :
SW2-01

Tot Ion	Ratio	Resp	Lower	Upper
240	100	209204		
120	12.5		8.3	12.5
236	25.3		21.2	31.8

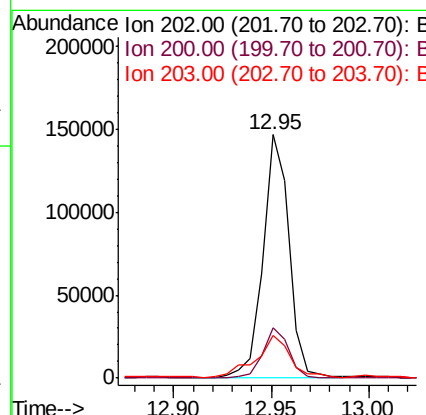
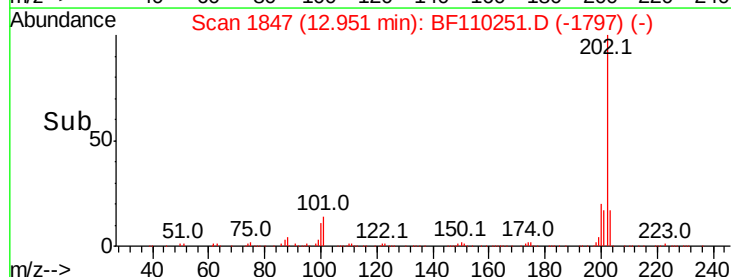
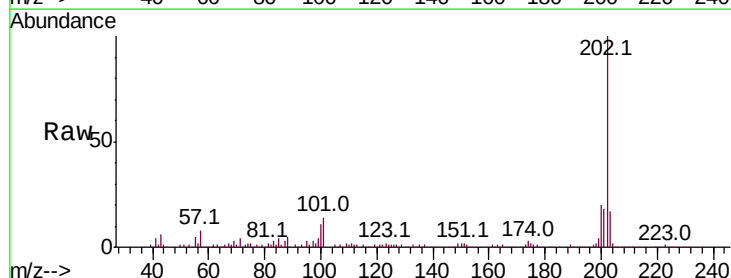
Manual Integrations
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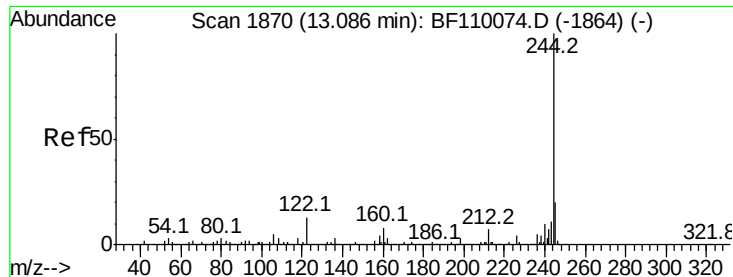
Sohil
10/30/2018 2:24:05 PM



#78
Pyrene
Concen: 8.982 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	134706		
200	20.5		17.8	26.6
203	17.4		14.2	21.4





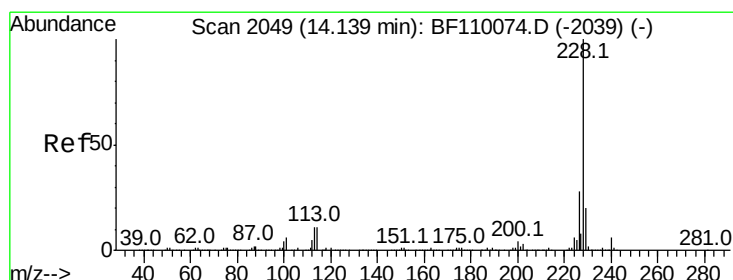
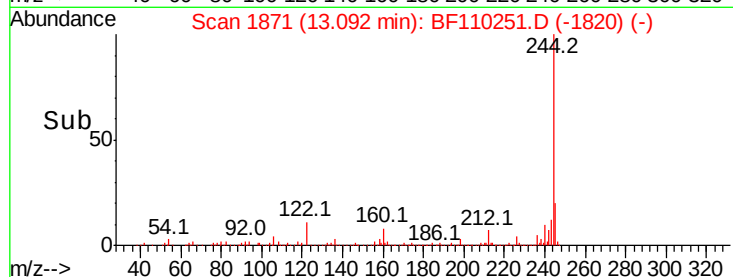
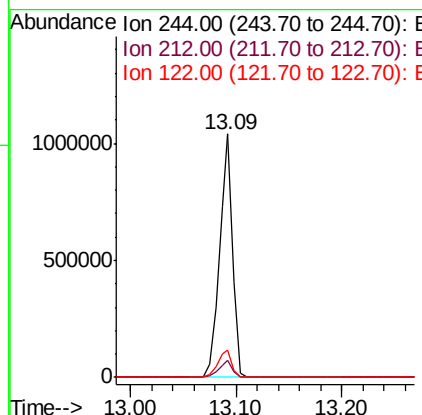
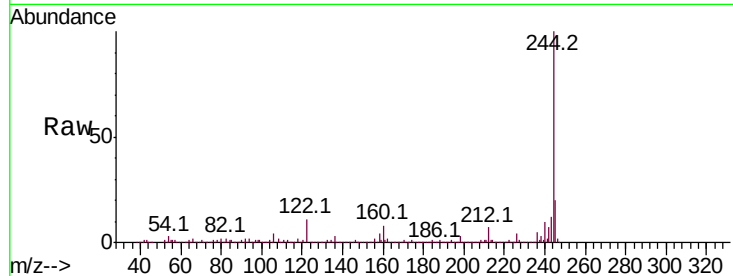
#79
 Terphenyl-d14
 Concen: 90.122 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

Instrument :
 BNA_F
 ClientSampled :
 SW2-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.3	8.7	13.1

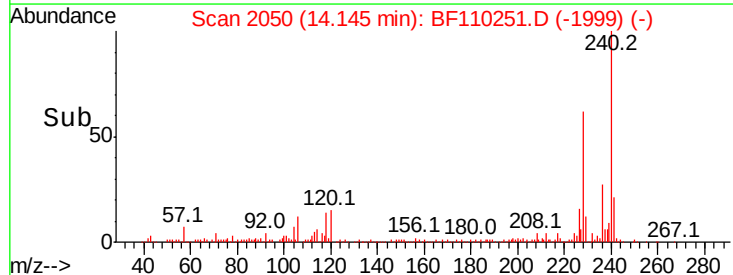
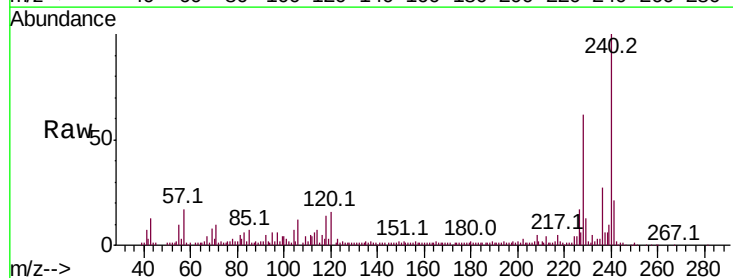
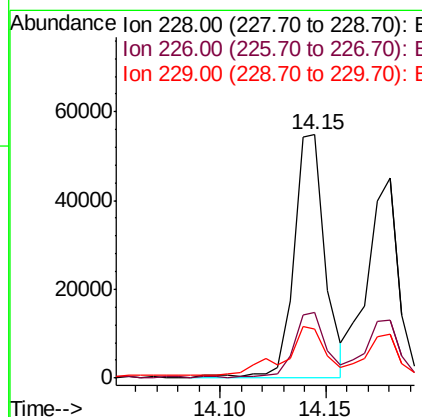
Manual Integrations
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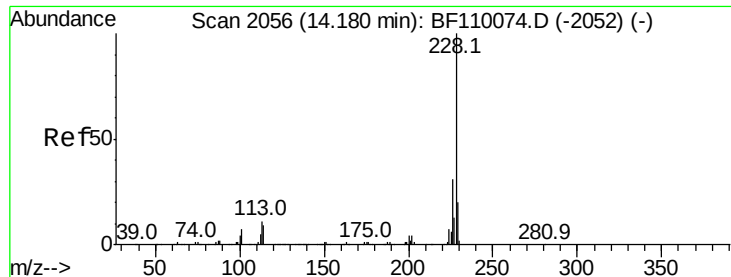
Sohil
 10/30/2018 2:24:05 PM



#81
 Benzo(a)anthracene
 Concen: 4.570 ng
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.00 min
 Lab File: BF110251.D
 Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	20.4	15.6	23.4





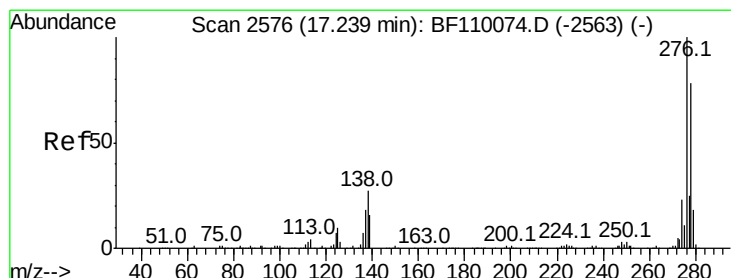
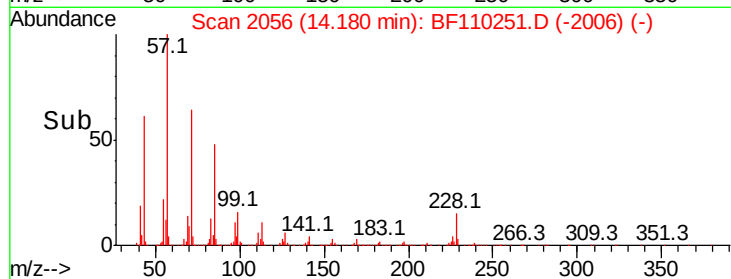
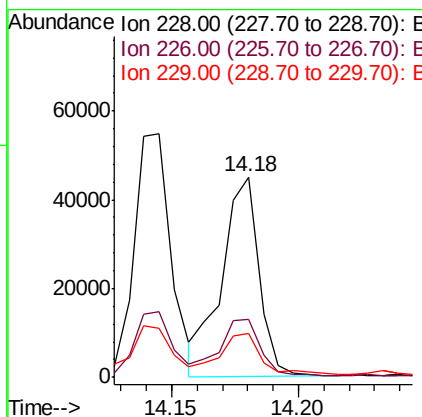
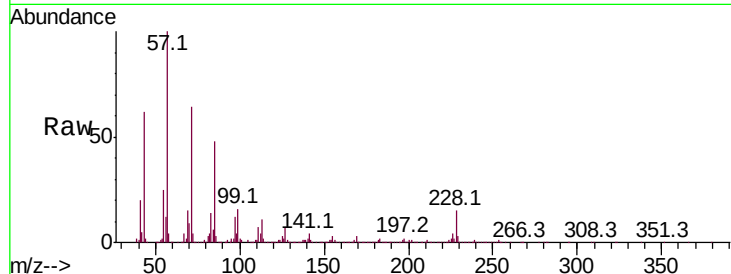
#83
Chrysene
Concen: 3.930 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :
SW2-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.7	37.1
229	21.6	15.9	23.9

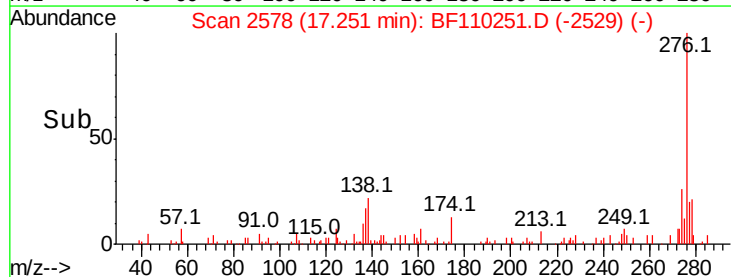
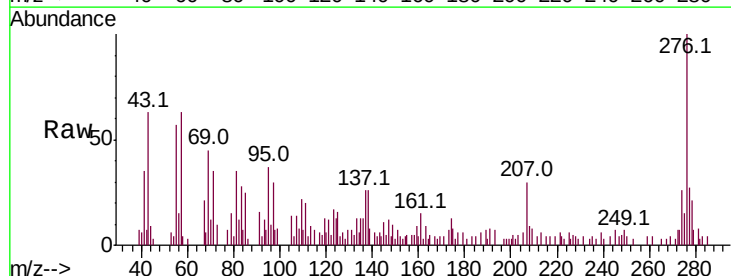
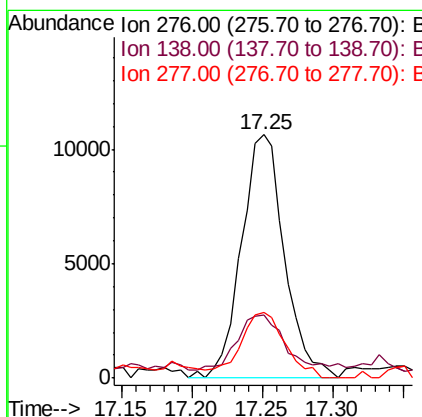
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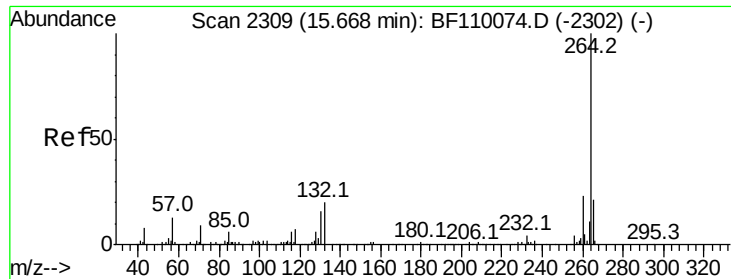
Sohil
10/30/2018 2:24:05 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.323 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.5	27.7
277	28.3	20.0	30.0





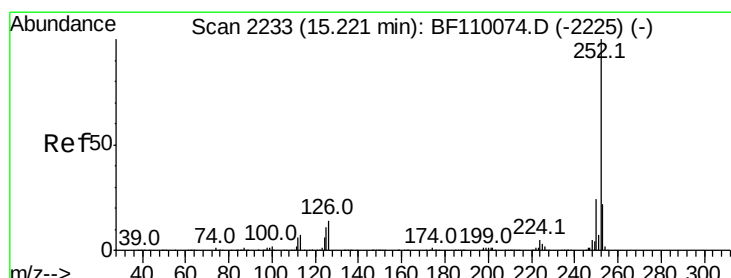
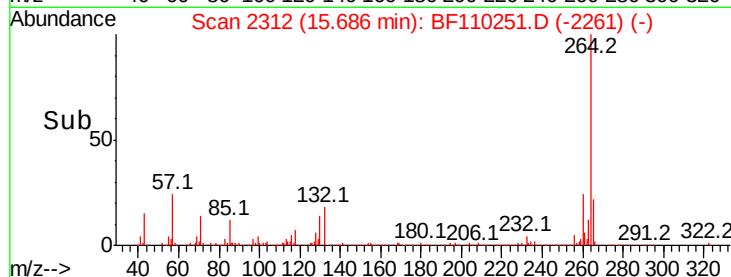
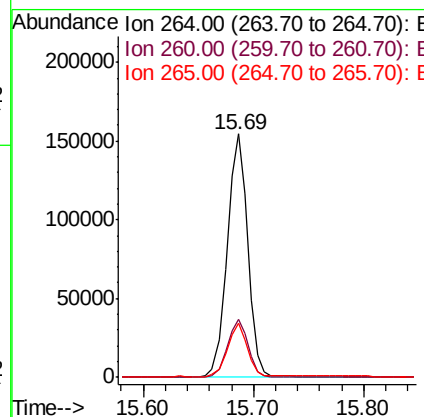
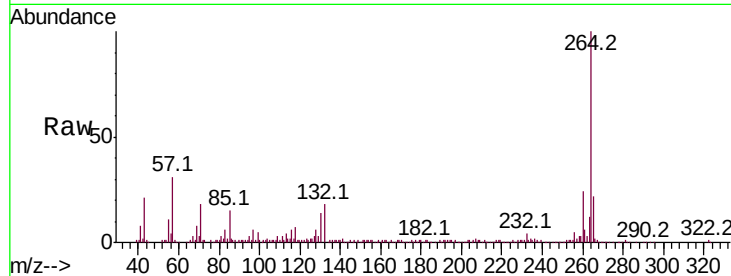
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampleId :
SW2-01

Tot Ion	Ratio	Resp	Lower	Upper
264	100	201284		
260	23.9		18.7	28.1
265	22.2		16.7	25.1

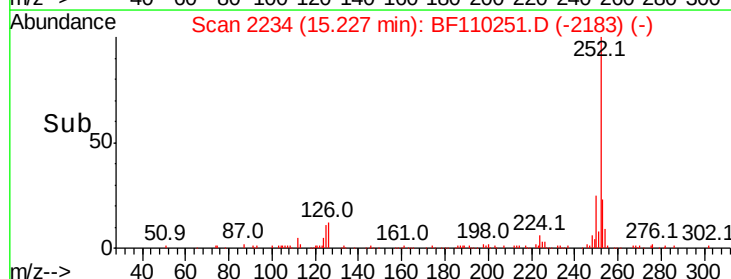
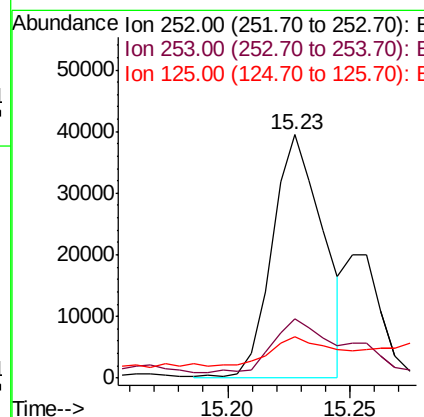
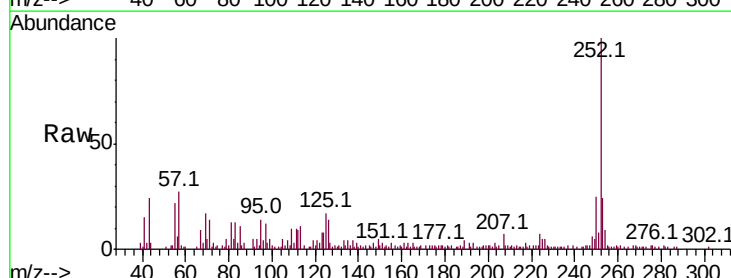
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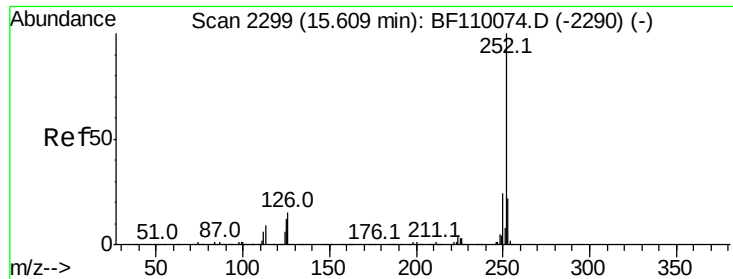
Sohil
10/30/2018 2:24:05 PM



#88
Benzo(b)fluoranthene
Concen: 4.959 ng m
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	57638		
253	24.5		17.2	25.8
125	16.8		8.2	12.4#





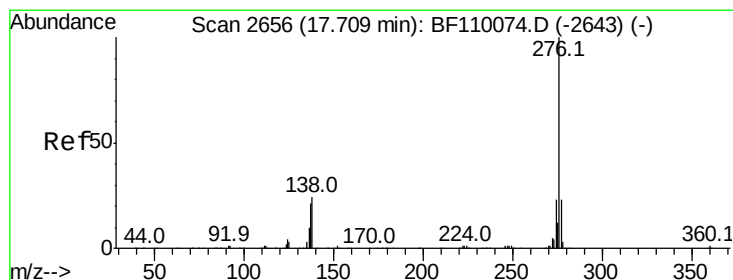
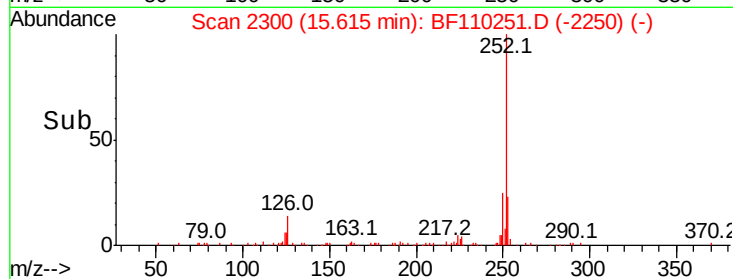
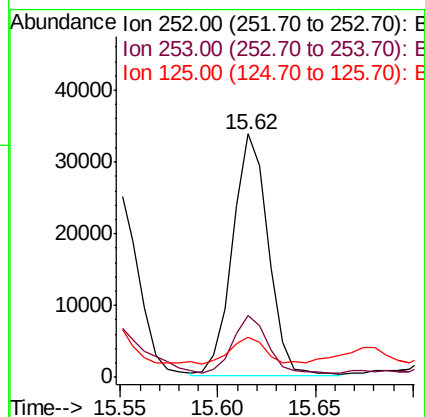
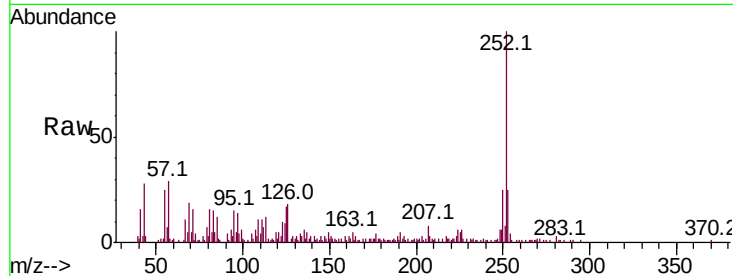
#90
Benzo(a)pyrene
Concen: 4.015 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Instrument :
BNA_F
ClientSampled :
SW2-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.4
125	16.6	9.0	13.6

Manual Integrations
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Sohil
10/30/2018 2:24:05 PM



#92
Benzo(g,h,i)perylene
Concen: 2.381 ng
RT: 17.73 min Scan# 2659
Delta R.T. -0.01 min
Lab File: BF110251.D
Acq: 29 Oct 2018 10:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	22.1	16.0	24.0

