

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110108.D
 Acq On : 24 Oct 2018 12:08
 Operator : JU/SJ
 Sample : J5610-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(7-9)

Manual Integrations
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Sohil
 10/25/2018 11:14:05 AM

Quant Time: Oct 25 03:04:25 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	6.96	152	172043	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	667018	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	288862	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	435904	20.00	ng	-0.02
76) Chrysene-d12	14.15	240	325822	20.00	ng	-0.02
87) Perylene-d12	15.67	264	296109	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	992734	93.97	ng	-0.01
7) Phenol-d6	6.59	99	1253261	92.74	ng	-0.02
23) Nitrobenzene-d5	7.53	82	786887	69.97	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	231164	80.79	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1253846	68.16	ng	-0.02
79) Terphenyl-d14	13.08	244	815614	52.06	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	133249	9.225	ng	Qvalue # 62
50) Dimethylphthalate	9.71	163	258643	12.130	ng	100
71) Phenanthrene	11.52	178	93639	4.105	ng	98
75) Fluoranthene	12.71	202	185864	8.029	ng	99
78) Pyrene	12.95	202	178540	7.643	ng	99
81) Benzo(a)anthracene	14.13	228	103589	5.361	ng	94
83) Chrysene	14.17	228	104720m	5.706	ng	
84) Bis(2-ethylhexyl)phthalate	14.10	149	65466	4.777	ng	94
86) Indeno(1,2,3-cd)pyrene	17.22	276	52651	3.458	ng	97
88) Benzo(b)fluoranthene	15.21	252	146721m	8.581	ng	
89) Benzo(k)fluoranthene	15.24	252	38907m	2.314	ng	
90) Benzo(a)pyrene	15.60	252	84165	5.349	ng	# 94
92) Benzo(a,h,i)perylene	17.69	276	50366	3.765	ng	97

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

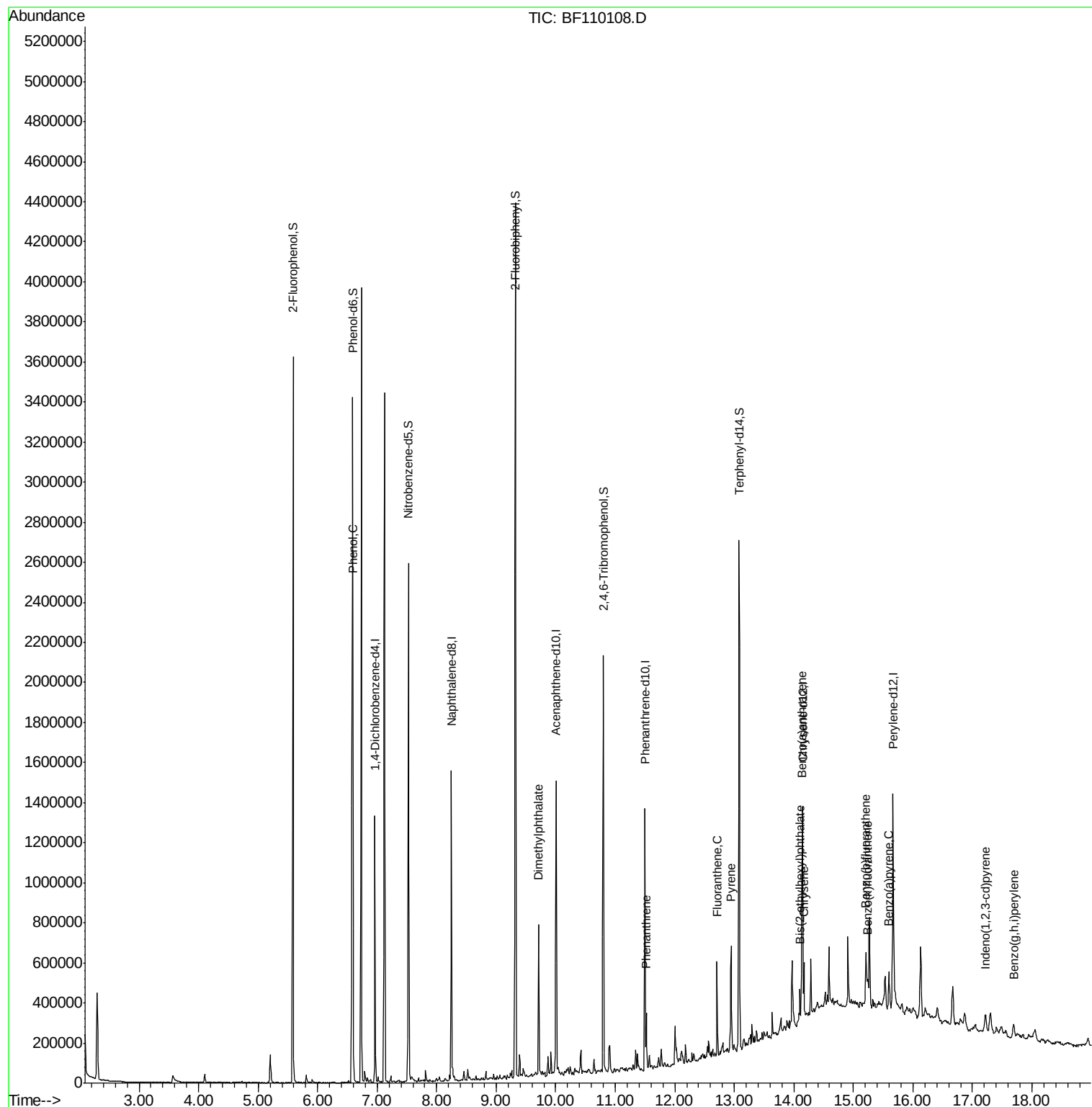
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110108.D
Acq On : 24 Oct 2018 12:08
Operator : JU/SJ
Sample : J5610-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

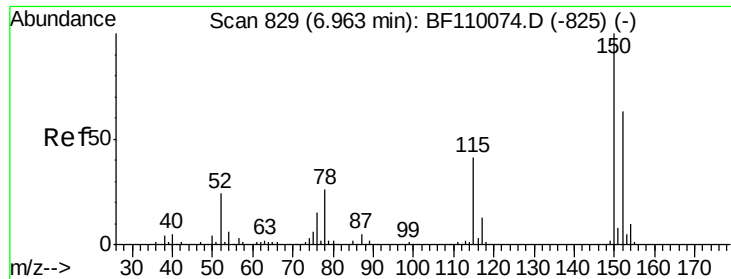
Instrument :
BNA_F
ClientSampleId :
SB-1(7-9)

Quant Time: Oct 25 03:04:25 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

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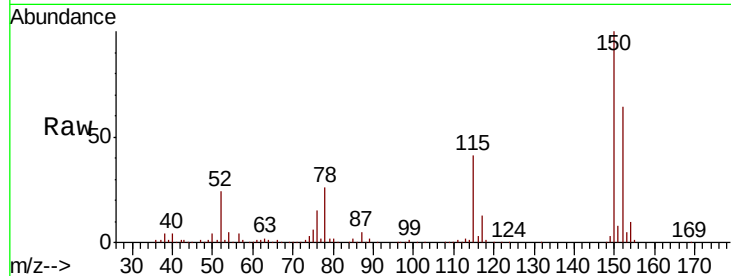
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.02 min
 Lab File: BF110108.D
 Acq: 24 Oct 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(7-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	122.7	184.1
115	63.4	49.1	73.7

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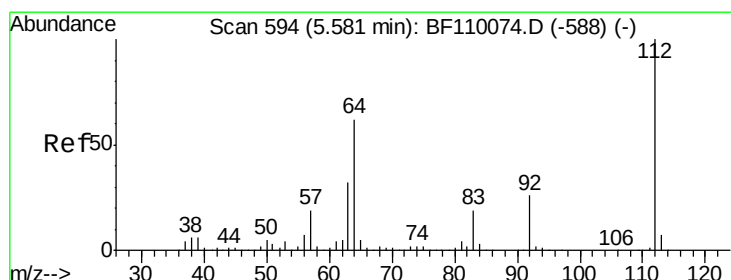
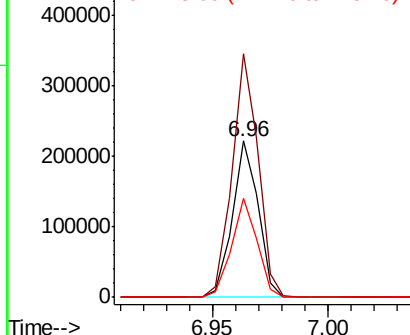
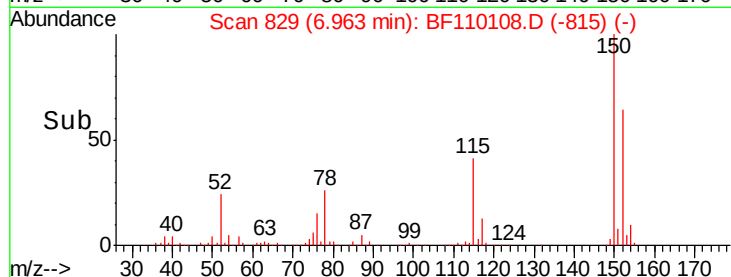


Abundance

Ion 152.00 (151.70 to 152.70): E

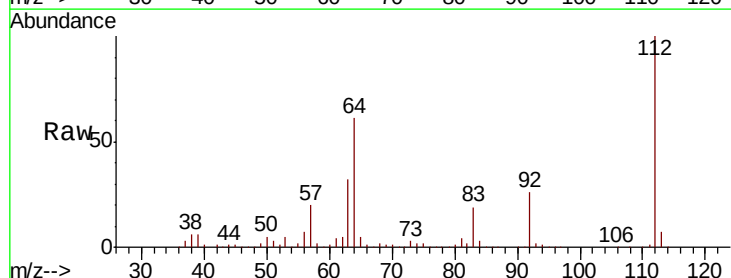
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 93.966 ng
 RT: 5.59 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF110108.D
 Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	44.1	66.1
63	31.8	23.7	35.5

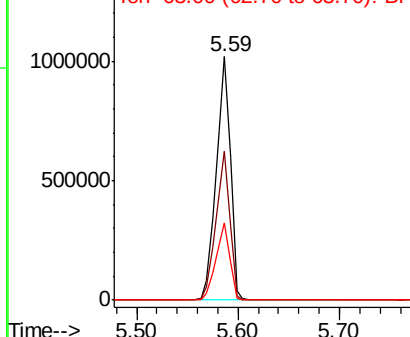
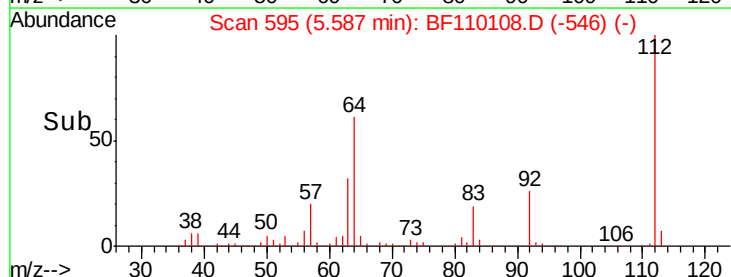


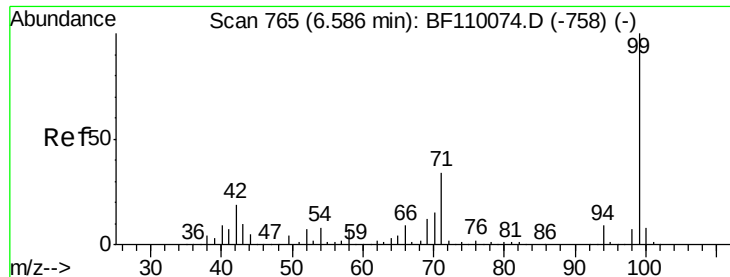
Abundance

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: 92.743 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Instrument :

BNA_F

ClientSampleId :

SB-1(7-9)

Tot Ion: 99 Resp: 1253261

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

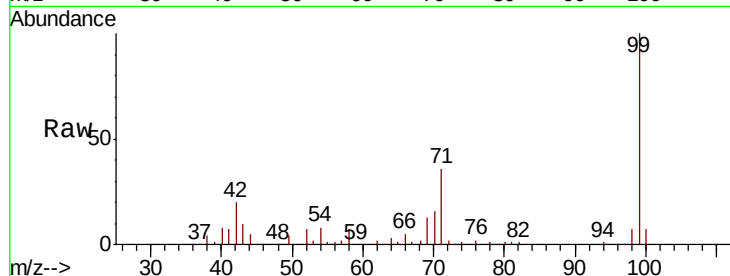
71 35.6 28.0 42.0

Manual Integrations

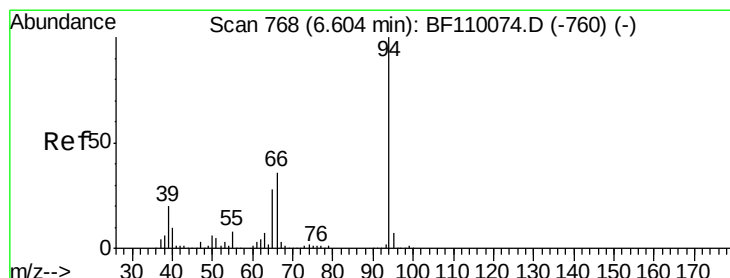
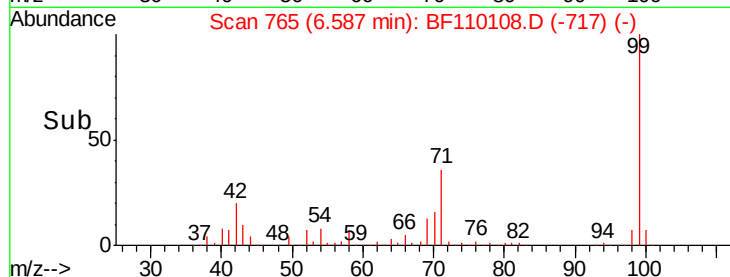
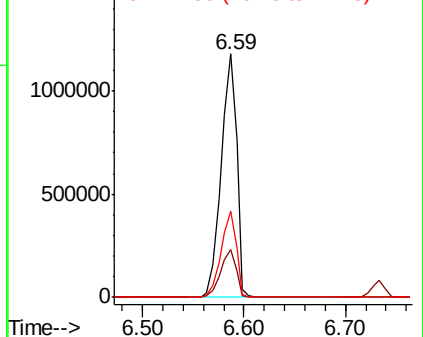
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 9.225 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

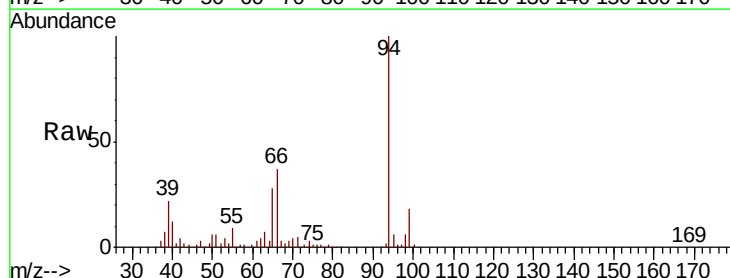
Tgt Ion: 94 Resp: 133249

Ion Ratio Lower Upper

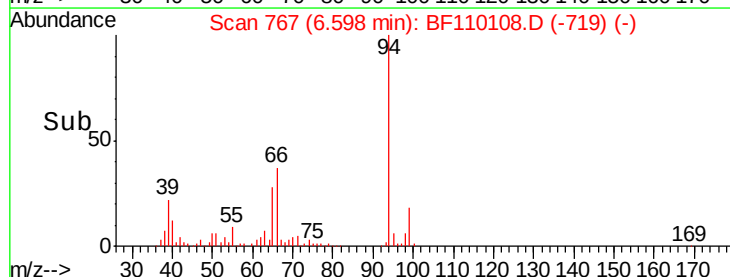
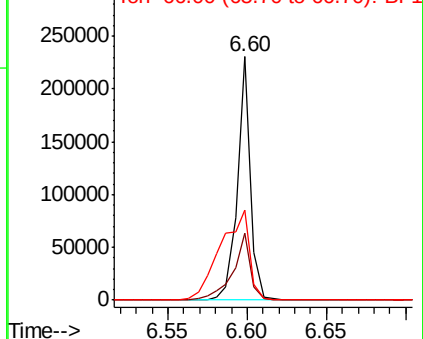
94 100

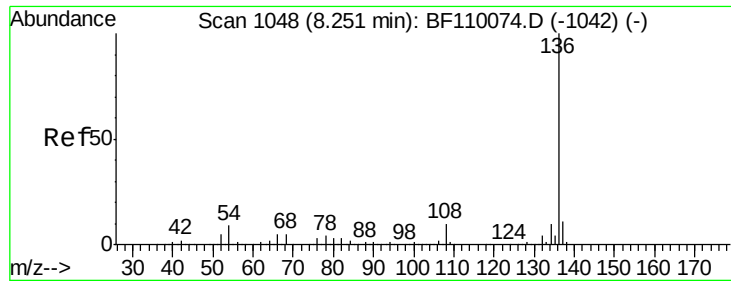
65 27.8 25.3 65.3

66 36.7 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





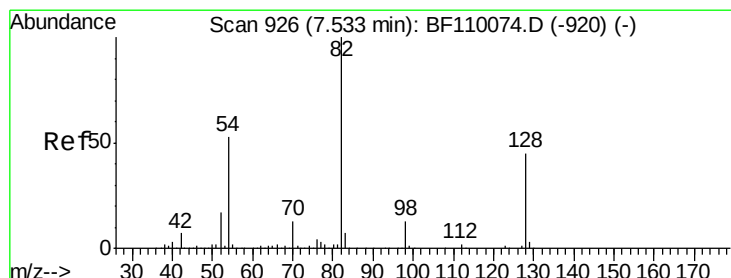
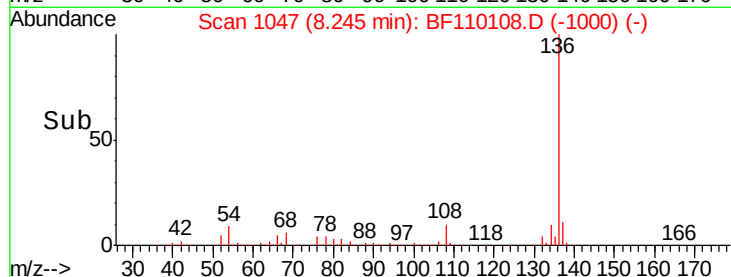
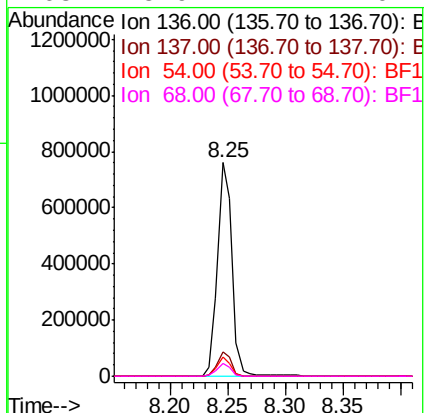
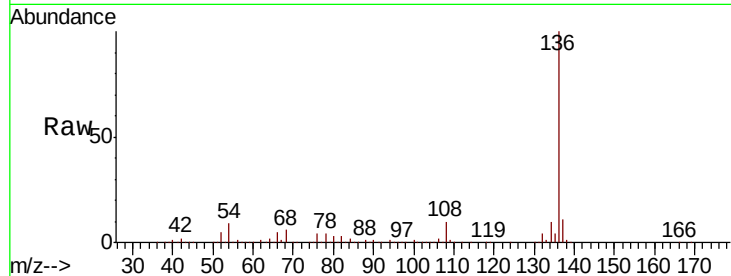
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Instrument :
BNA_F
ClientSampled :
SB-1(7-9)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	667018		
137	11.3	8.8	13.2	
54	8.8	5.4	8.2	
68	5.9	4.2	6.2	

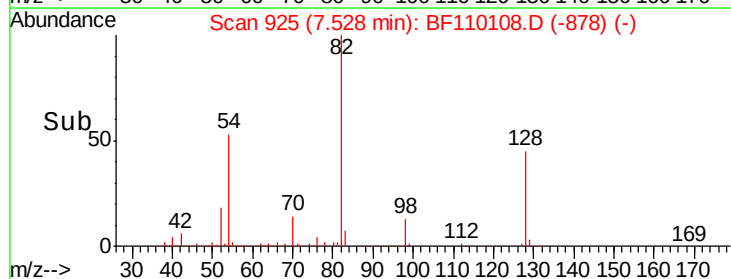
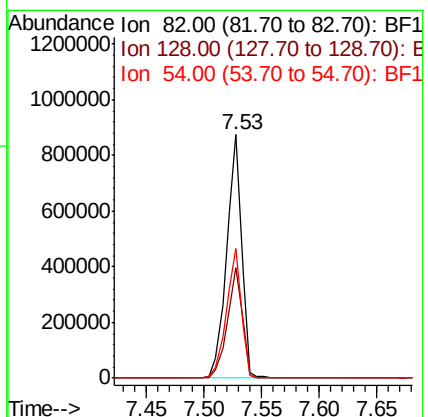
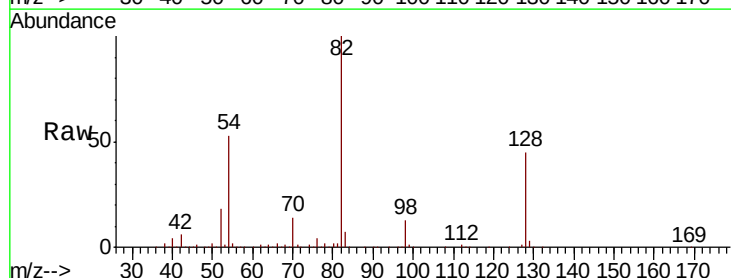
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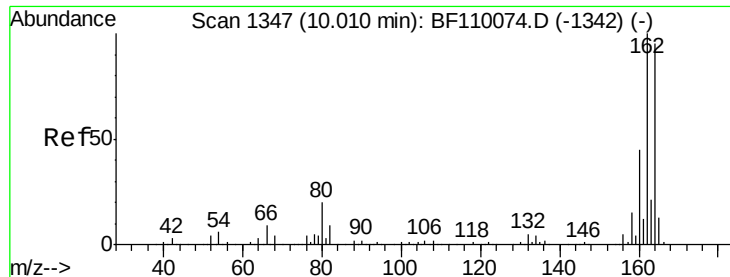
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#23
Nitrobenzene-d5
Concen: 69.972 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	786887		
128	45.3	34.2	51.2	
54	53.2	38.6	58.0	





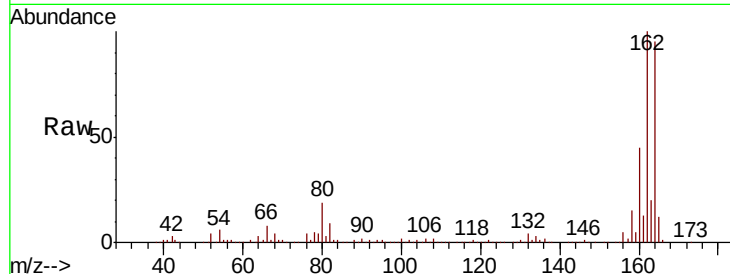
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Instrument :
BNA_F
ClientSampleId :
SB-1(7-9)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.7	83.0	124.6	
160	46.6	37.0	55.6	

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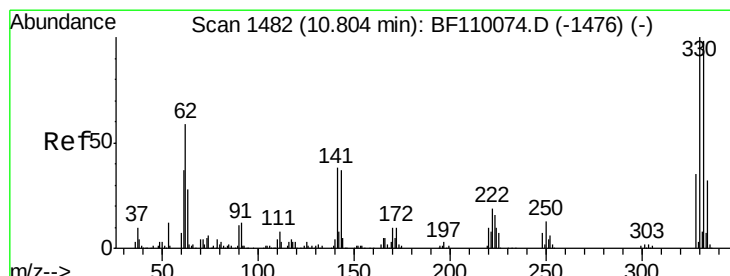
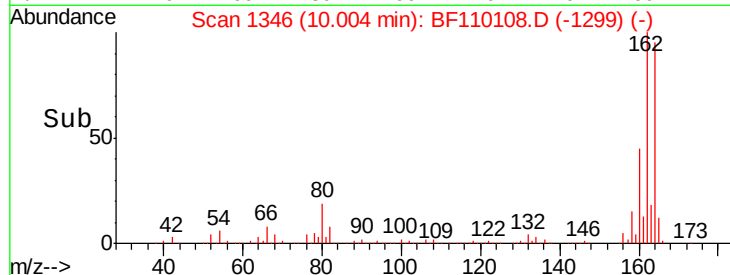
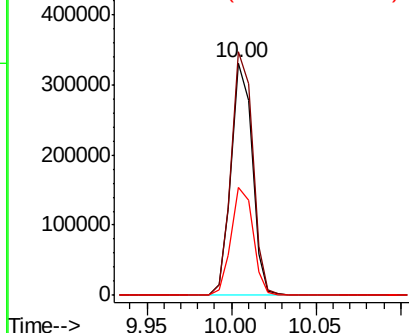


Abundance

Ion 164.00 (163.70 to 164.70): E

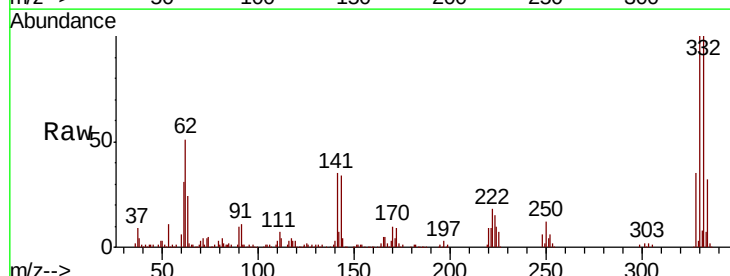
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 80.788 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.0	77.1	115.7	
141	38.1	27.0	40.4	

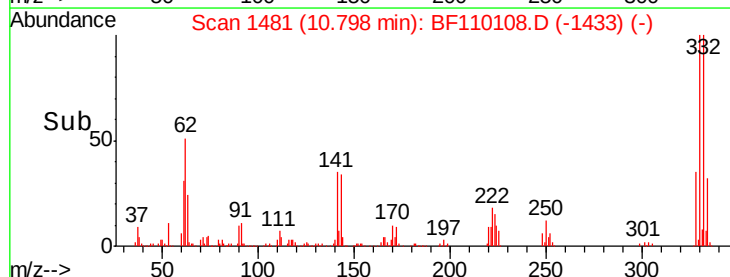
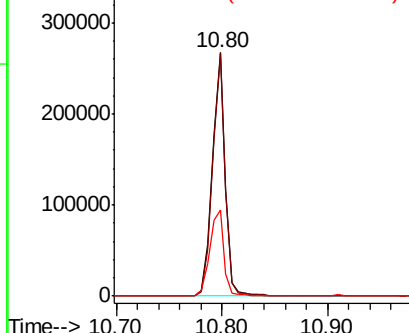


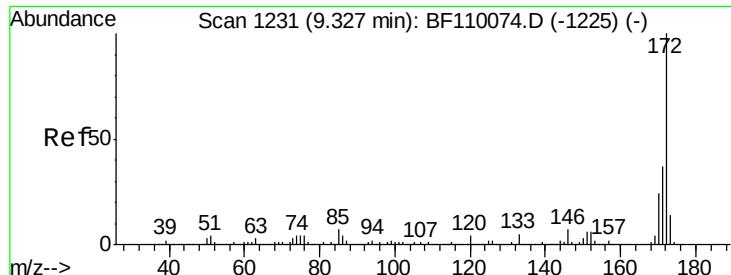
Abundance

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





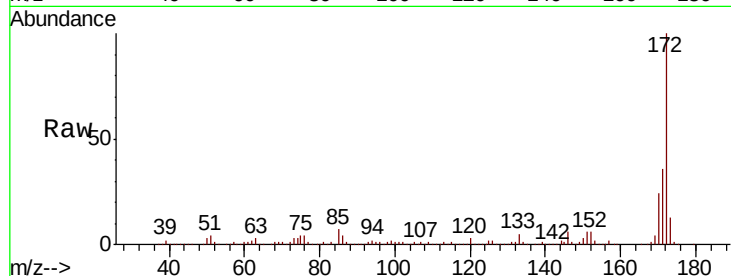
#45
2-Fluorobiphenyl
Concen: 68.159 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Instrument :
BNA_F
ClientSampleId :
SB-1(7-9)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.1	19.7	29.5

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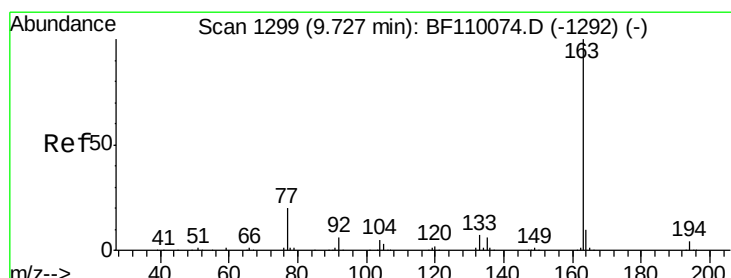
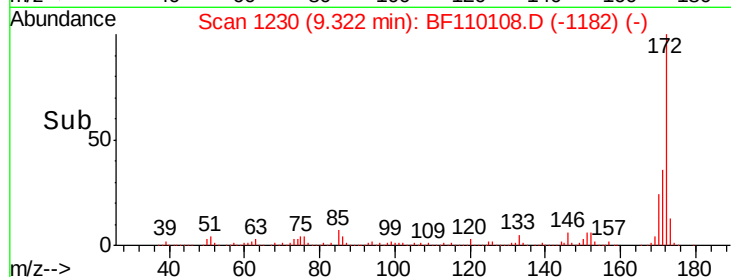
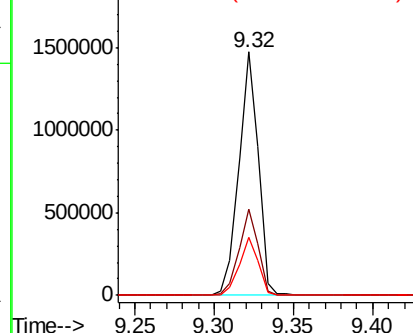


Abundance

Ion 172.00 (171.70 to 172.70): E

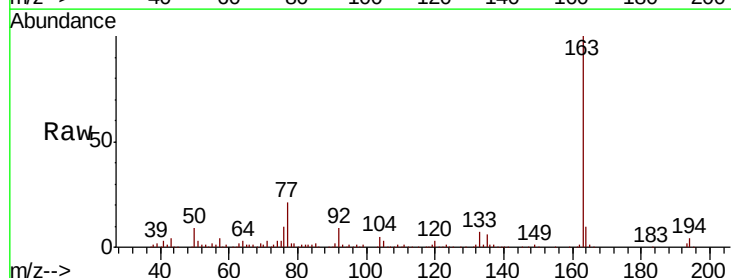
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 12.130 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	8.1	12.1

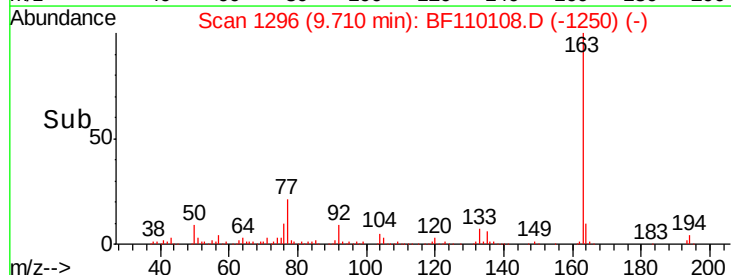
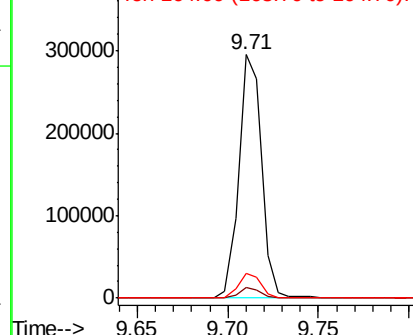


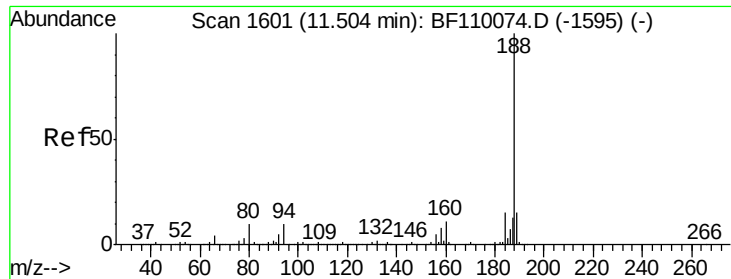
Abundance

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





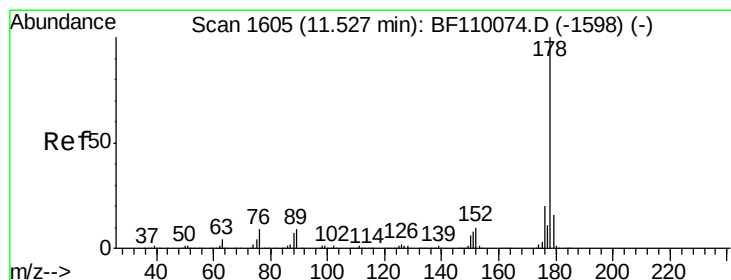
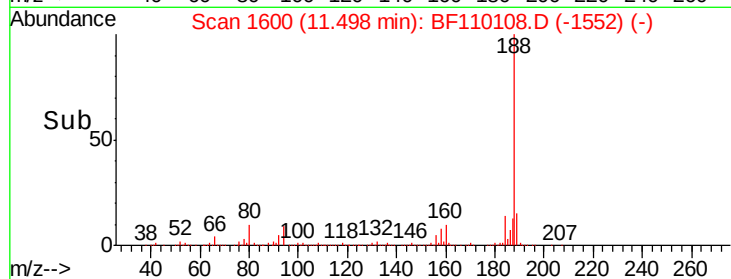
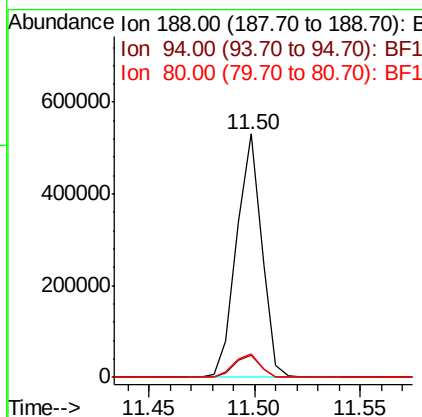
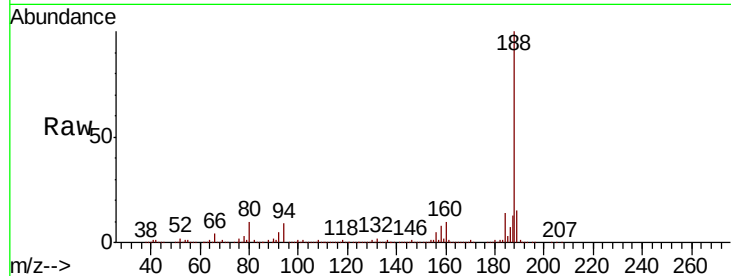
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Instrument :
BNA_F
ClientSampled :
SB-1(7-9)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	435904		
94	9.1		7.2	10.8
80	9.6		7.9	11.9

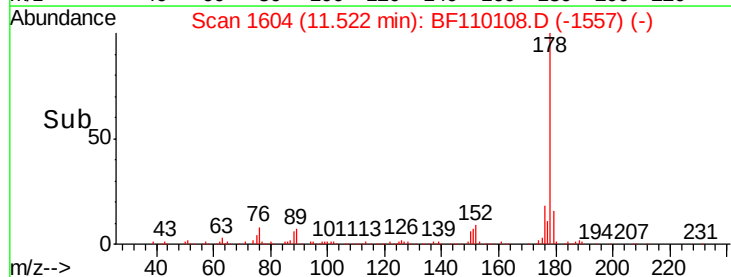
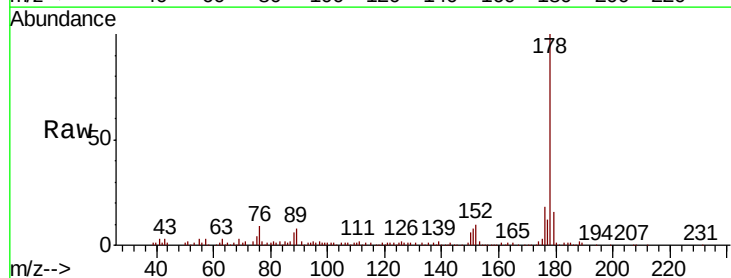
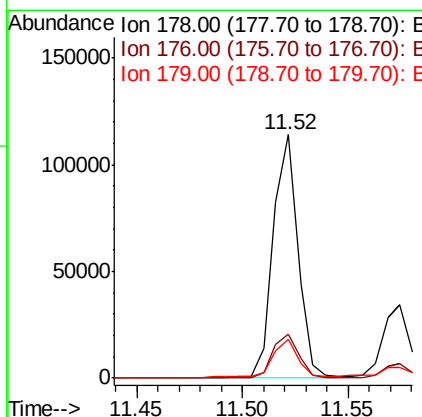
Manual Integrations
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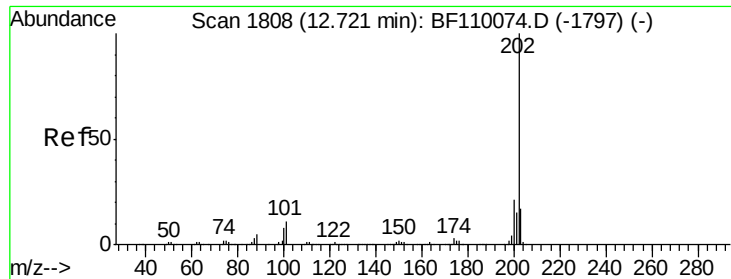
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#71
Phenanthrene
Concen: 4.105 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	93639		
176	18.3		15.5	23.3
179	15.8		12.5	18.7





#75

Fluoranthene

Concen: 8.029 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Instrument :

BNA_F

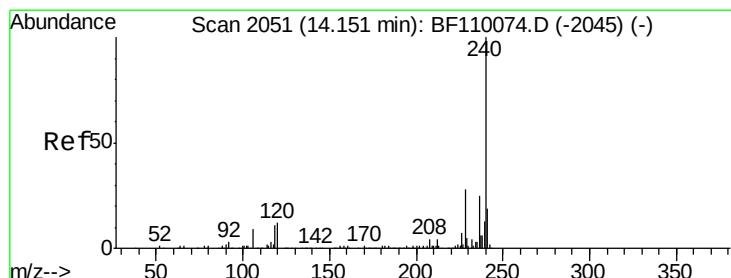
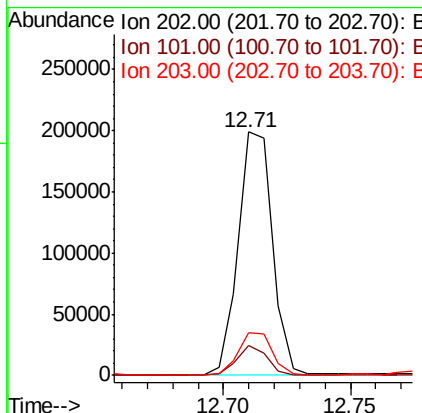
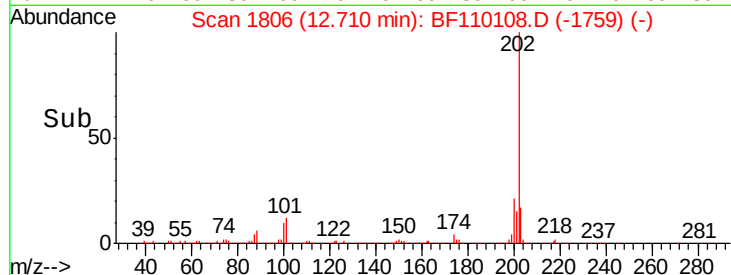
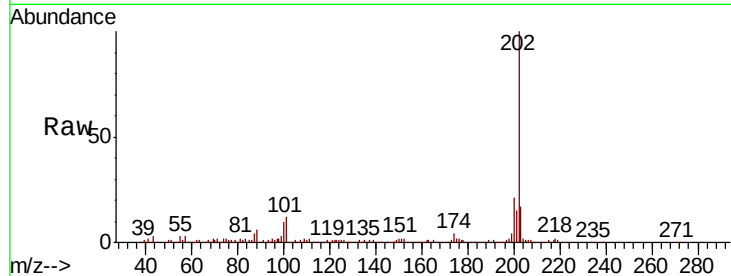
ClientSampleId :

SB-1(7-9)

Tot Ion:	202	Resp:	185864
Ion Ratio		Lower	Upper
202	100		
101	12.4	0.0	31.4
203	17.4	0.0	37.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

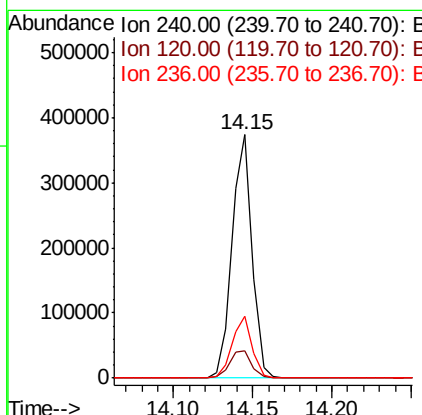
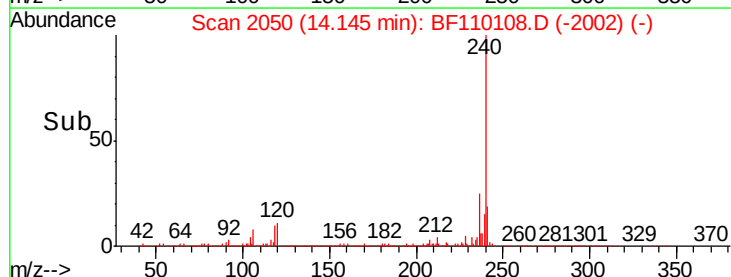
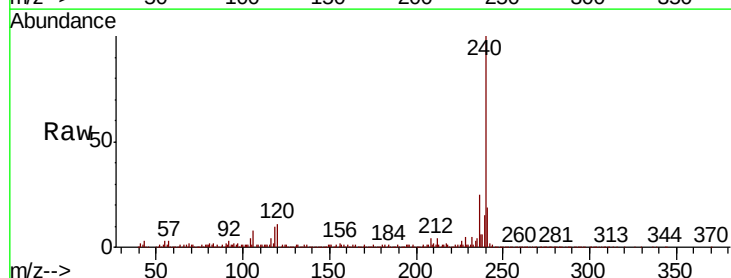
RT: 14.15 min Scan# 2050

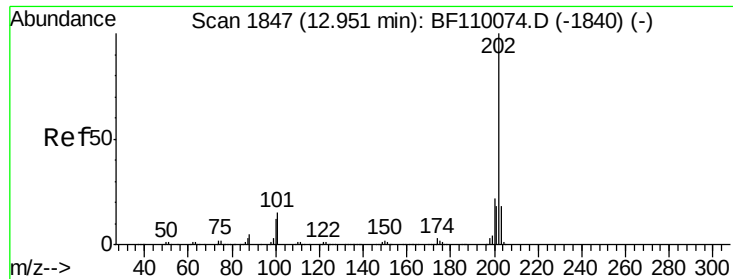
Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Tgt Ion:	240	Resp:	325822
Ion Ratio		Lower	Upper
240	100		
120	11.2	8.3	12.5
236	25.3	21.2	31.8





#78

Pvrene

Concen: 7.643 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Instrument :

BNA_F

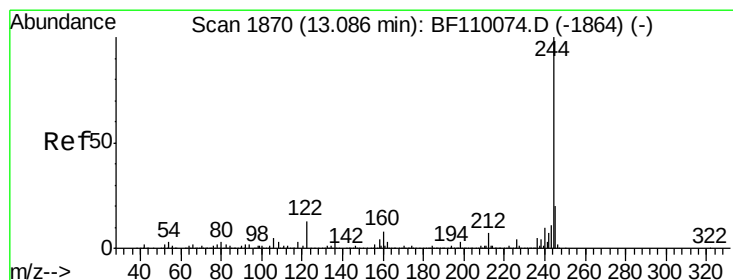
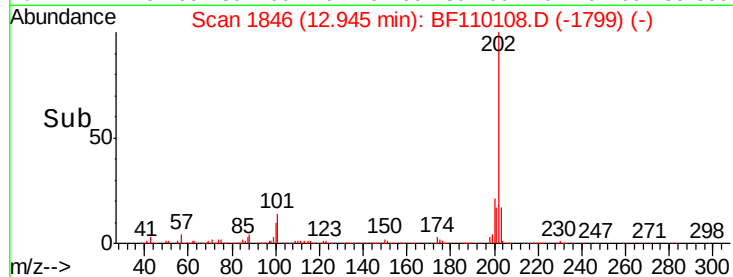
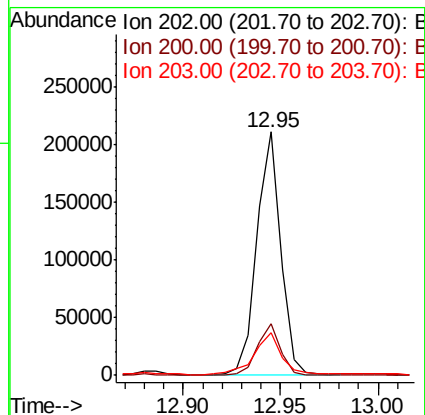
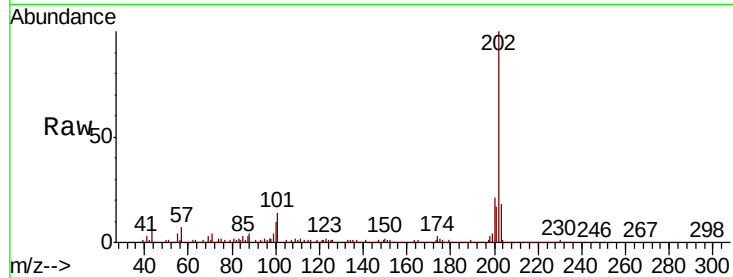
ClientSampled :

SB-1(7-9)

Tot Ion:	202	Resp:	178540
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.8	26.6
203	17.7	14.2	21.4

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#79

Terphenyl-d14

Concen: 52.060 ng

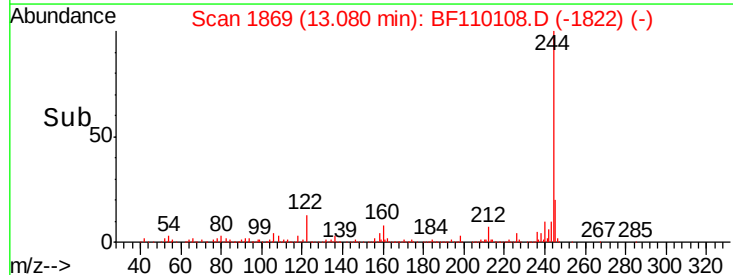
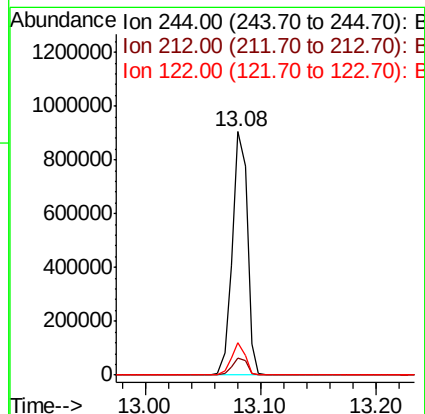
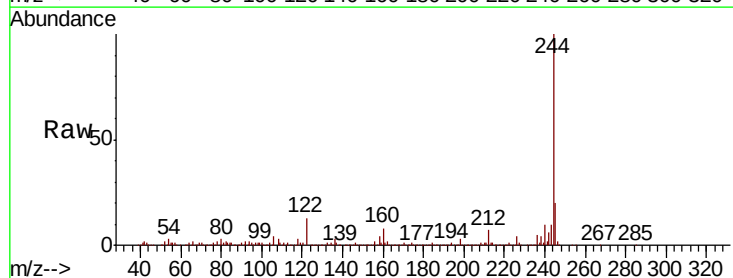
RT: 13.08 min Scan# 1869

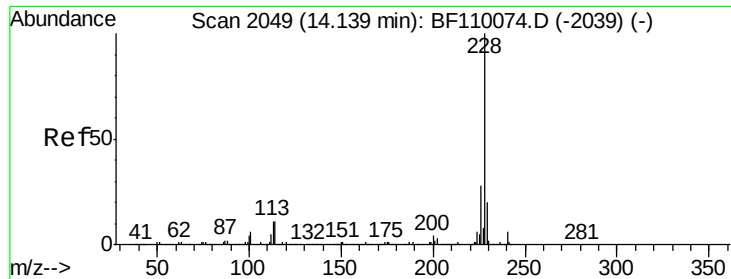
Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Tgt Ion:	244	Resp:	815614
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.8
122	13.2	8.7	13.1#





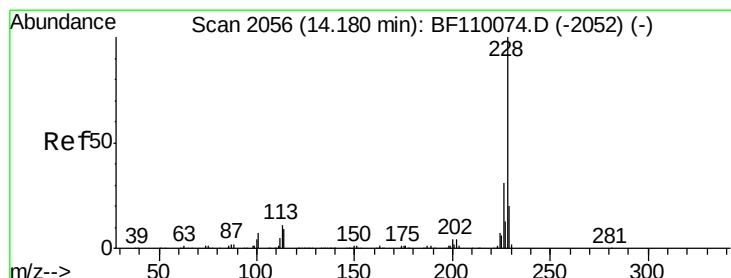
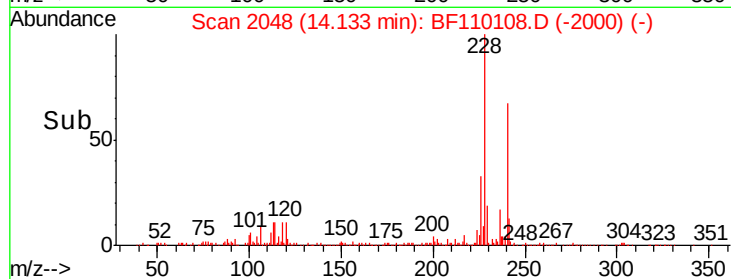
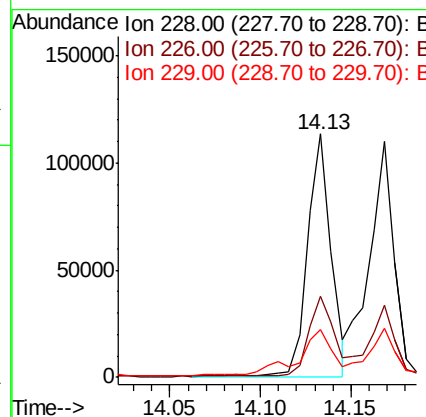
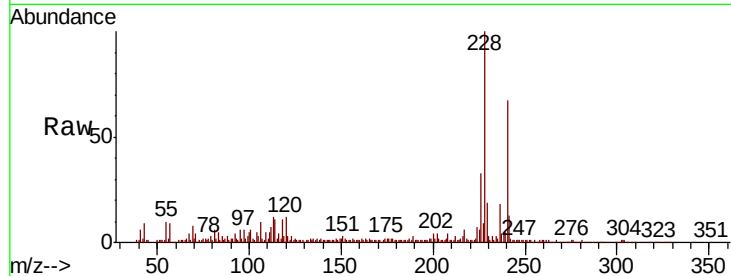
#81
Benzo(a)anthracene
Concen: 5.361 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Instrument :
BNA_F
ClientSampleId :
SB-1(7-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.1	33.1
229	19.5	15.6	23.4

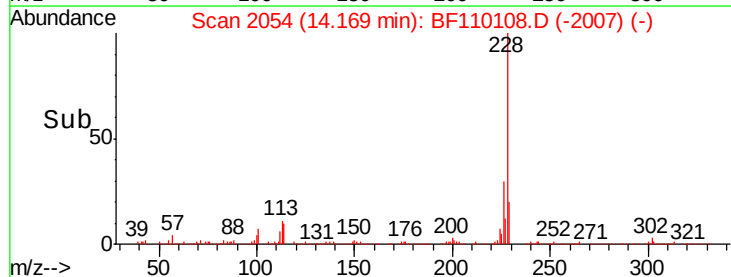
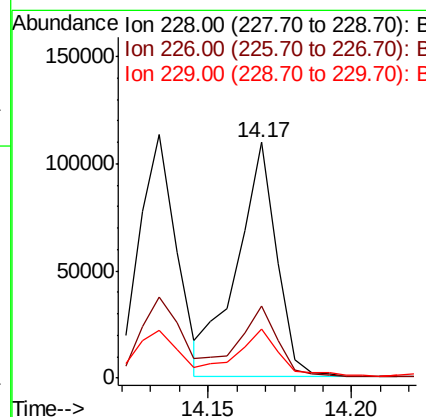
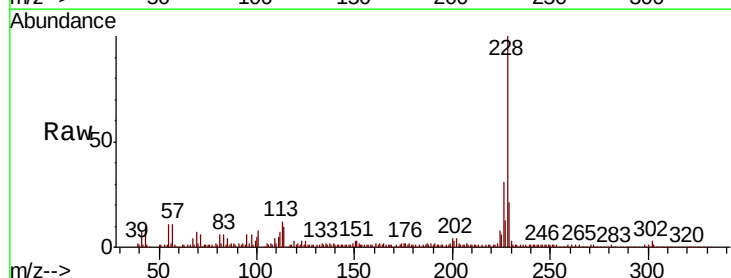
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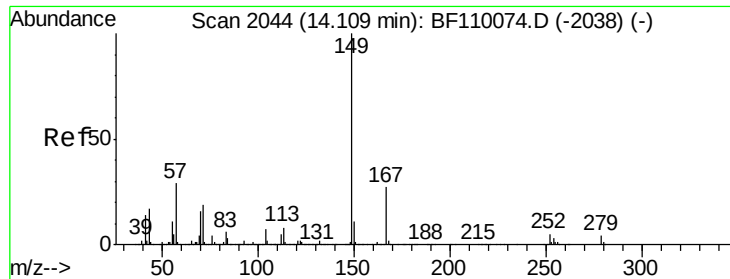
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#83
Chrysene
Concen: 5.706 ng m
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	20.9	15.9	23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.777 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Instrument :

BNA_F

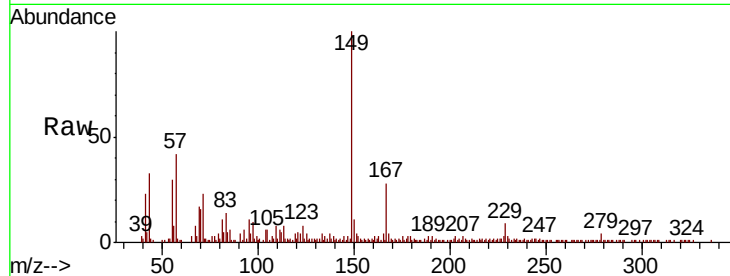
ClientSampleId :

SB-1(7-9)

Tot Ion:	149	Resp:	65466
Ion Ratio	Lower	Upper	
149	100		
167	28.1	19.8	29.8
279	3.6	2.7	4.1

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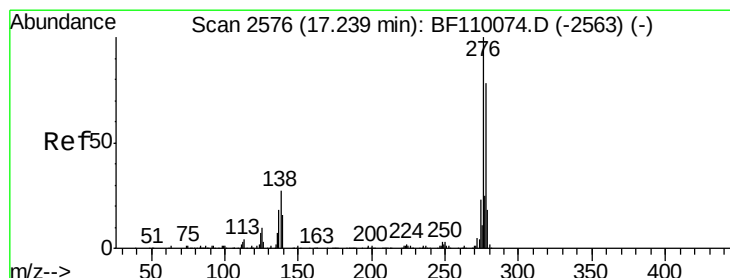
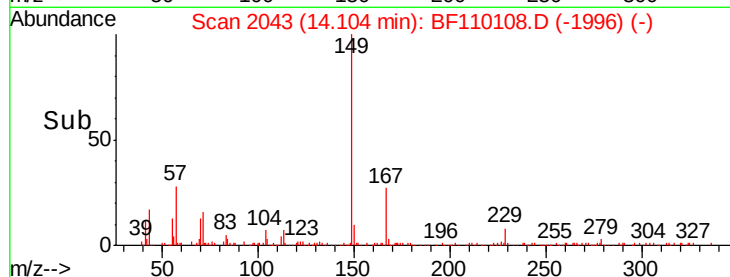
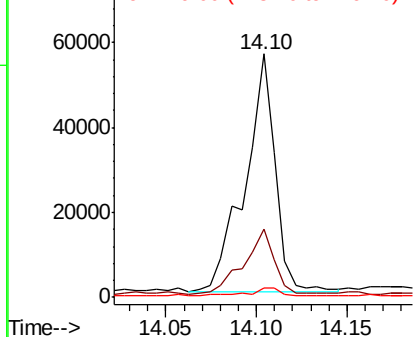


Abundance

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: 3.458 ng

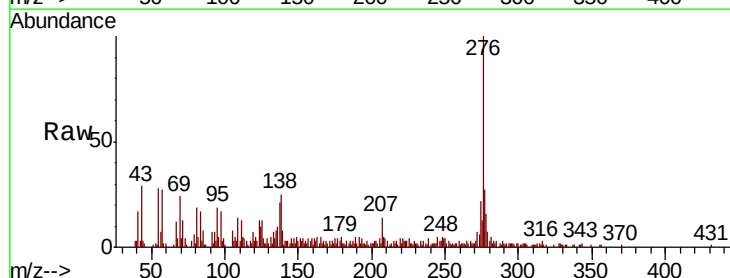
RT: 17.22 min Scan# 2572

Delta R.T. -0.05 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Tgt Ion:	276	Resp:	52651
Ion Ratio	Lower	Upper	
276	100		
138	25.2	18.5	27.7
277	25.8	20.0	30.0

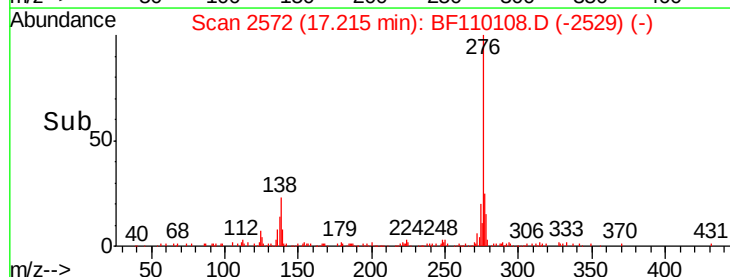
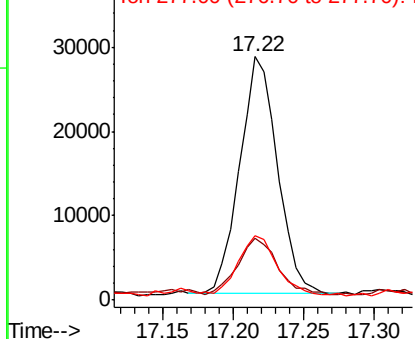


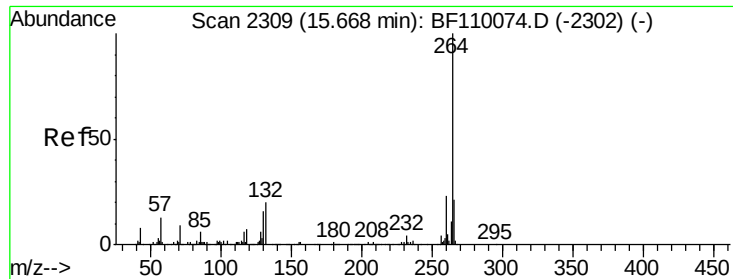
Abundance

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: 15.67 min Scan# 2309

Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Instrument :

BNA_F

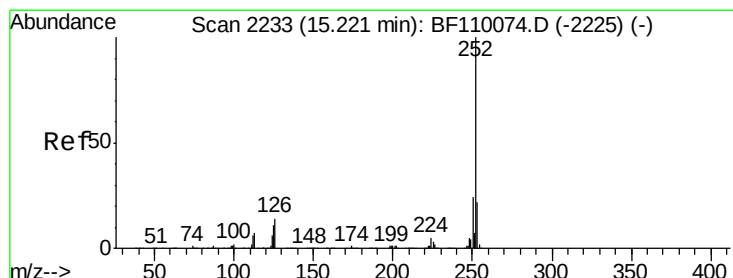
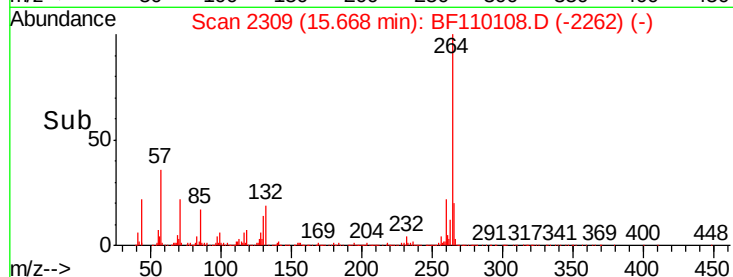
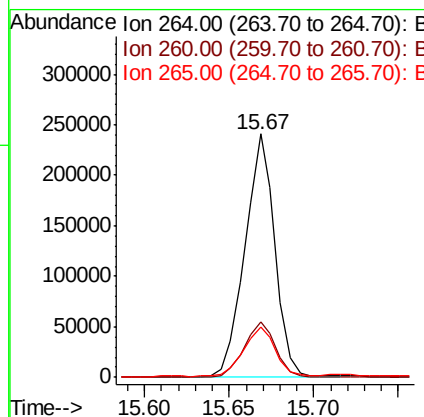
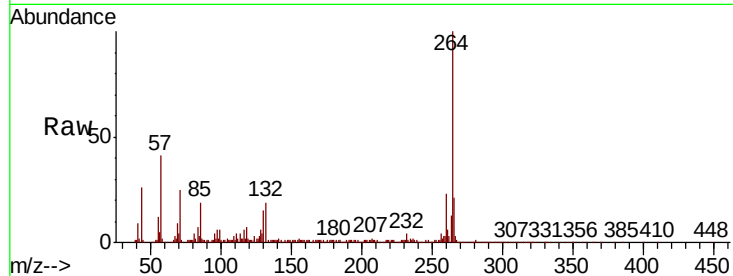
ClientSampleId :

SB-1(7-9)

Tot Ion:	264	Resp:	296109
Ion Ratio	Lower	Upper	
264	100		
260	22.6	18.7	28.1
265	20.5	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 8.581 ng m

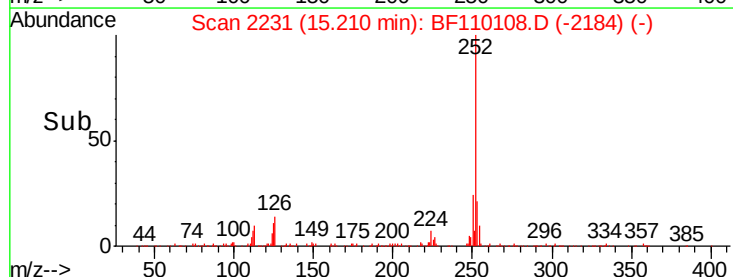
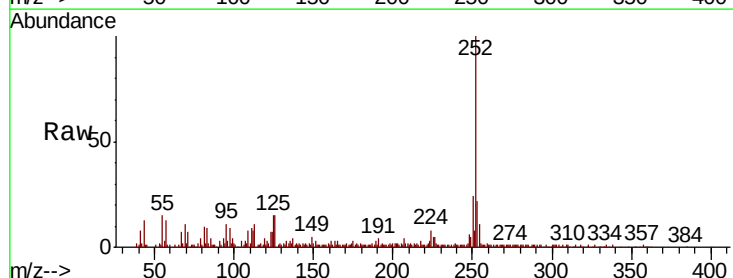
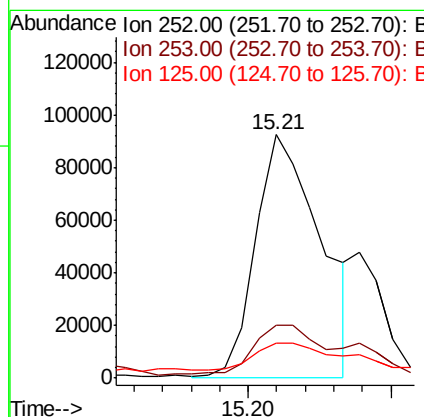
RT: 15.21 min Scan# 2231

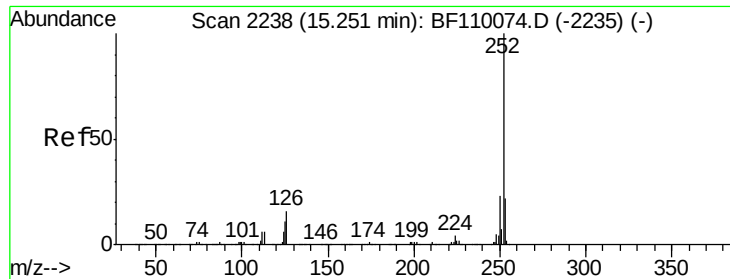
Delta R.T. -0.02 min

Lab File: BF110108.D

Acq: 24 Oct 2018 12:08

Tgt Ion:	252	Resp:	146721
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.2	25.8
125	14.5	8.2	12.4#





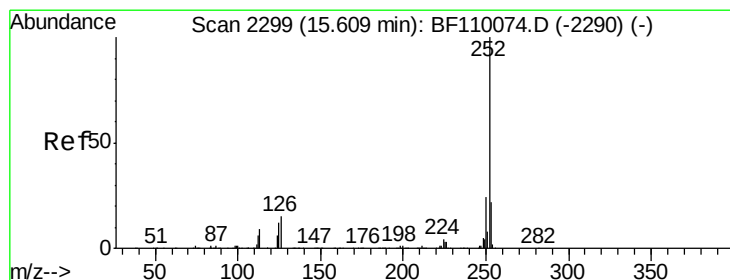
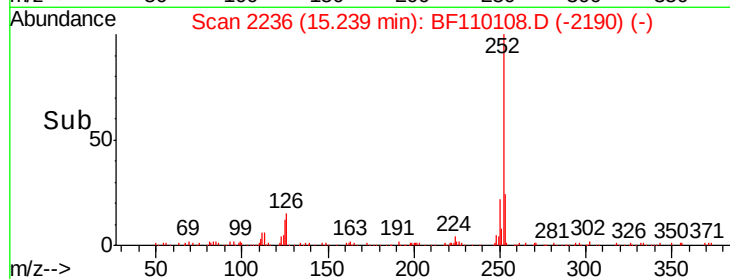
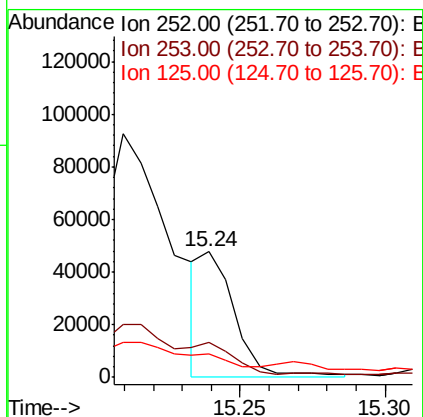
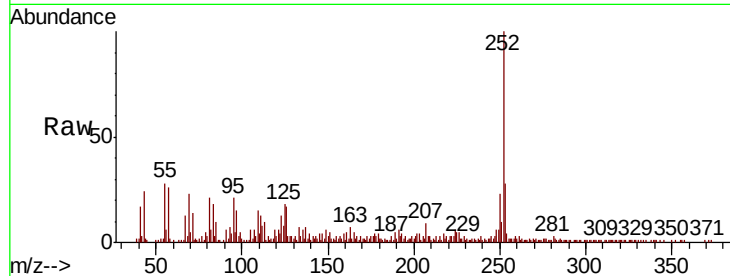
#89
Benzo(k)fluoranthene
Concen: 2.314 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Instrument :
BNA_F
ClientSampled :
SB-1(7-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.2	25.8#
125	18.4	7.4	11.0#

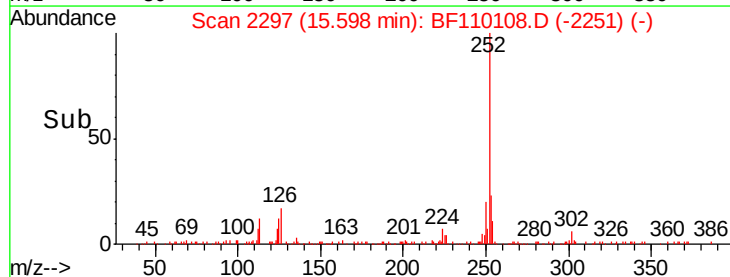
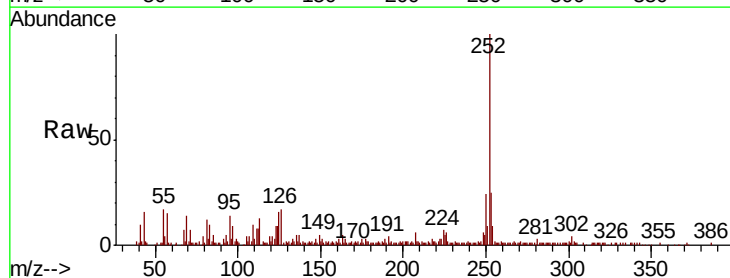
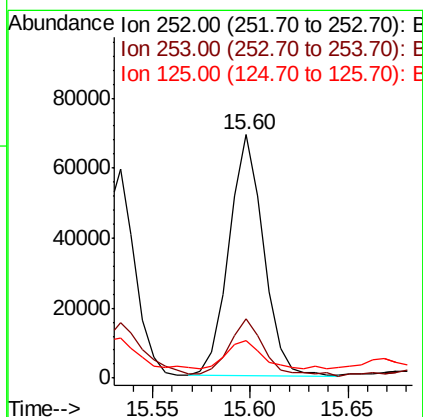
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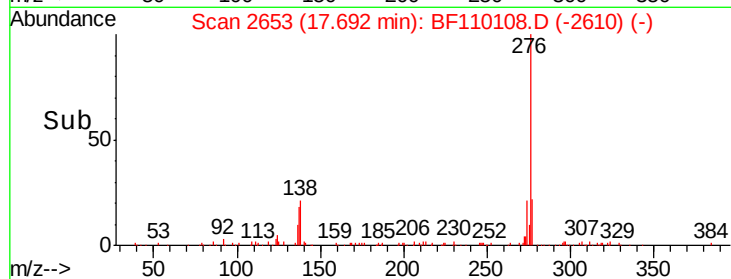
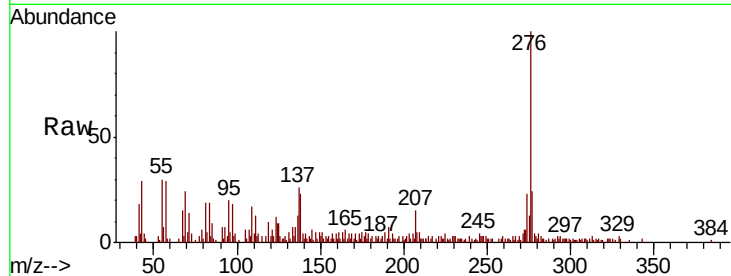
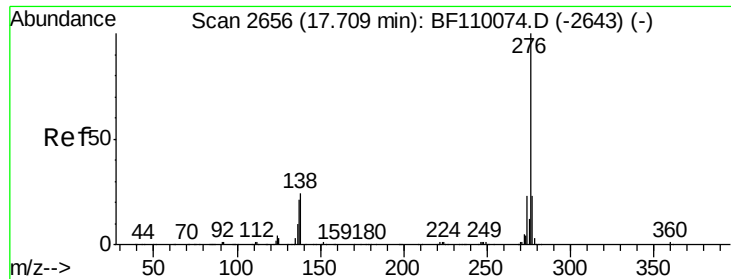
Sohil
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#90
Benzo(a)pyrene
Concen: 5.349 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.03 min
Lab File: BF110108.D
Acq: 24 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.2	27.4
125	15.5	9.0	13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 3.765 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.05 min
 Lab File: BF110108.D
 Acq: 24 Oct 2018 12:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(7-9)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.8	16.0	24.0

Manual Integrations
 APPROVED

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 10/25/2018 11:14:05 AM

