

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
 Data File : BF107911.D
 Acq On : 2 Aug 2018 16:07
 Operator : JU/SJ
 Sample : J4267-14 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-B

Manual Integrations
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Sohil
 8/3/2018 12:53:14 PM

Quant Time: Aug 02 17:32:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	139228	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	570573	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	223410	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	372004	20.00	ng	0.00
75) Chrysene-d12	14.15	240	361825	20.00	ng	0.00
86) Perylene-d12	15.68	264	374921	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	272113	33.22	ng	0.01
7) Phenol-d6	6.61	99	414320	38.37	ng	0.00
23) Nitrobenzene-d5	7.52	82	214295	21.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	87700	28.89	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	461378	28.78	ng	-0.01
78) Terphenyl-d14	13.07	244	379245	22.73	ng	-0.01
Target Compounds						
31) Naphthalene	8.26	128	97477	3.675	ng	Qvalue # 95
37) 2-Methylnaphthalene	8.95	142	275723	16.550	ng	100
70) Phenanthrene	11.52	178	230807	13.067	ng	98
71) Anthracene	11.58	178	82160m	4.033	ng	
74) Fluoranthene	12.71	202	354015	17.060	ng	97
77) Pyrene	12.94	202	332726	12.770	ng	95
79) Butylbenzylphthalate	13.54	149	41462	3.634	ng	# 96
80) Benzo(a)anthracene	14.14	228	220284m	10.748	ng	
82) Chrysene	14.17	228	174518	7.894	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	79392	5.535	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.27	276	80980	4.816	ng	# 85
87) Benzo(b)fluoranthene	15.22	252	208687m	11.286	ng	
88) Benzo(k)fluoranthene	15.24	252	118478m	5.219	ng	
89) Benzo(a)pyrene	15.62	252	165084	8.648	ng	# 93
91) Benzo(a,h,i)perylene	17.75	276	80266	4.982	ng	# 93

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

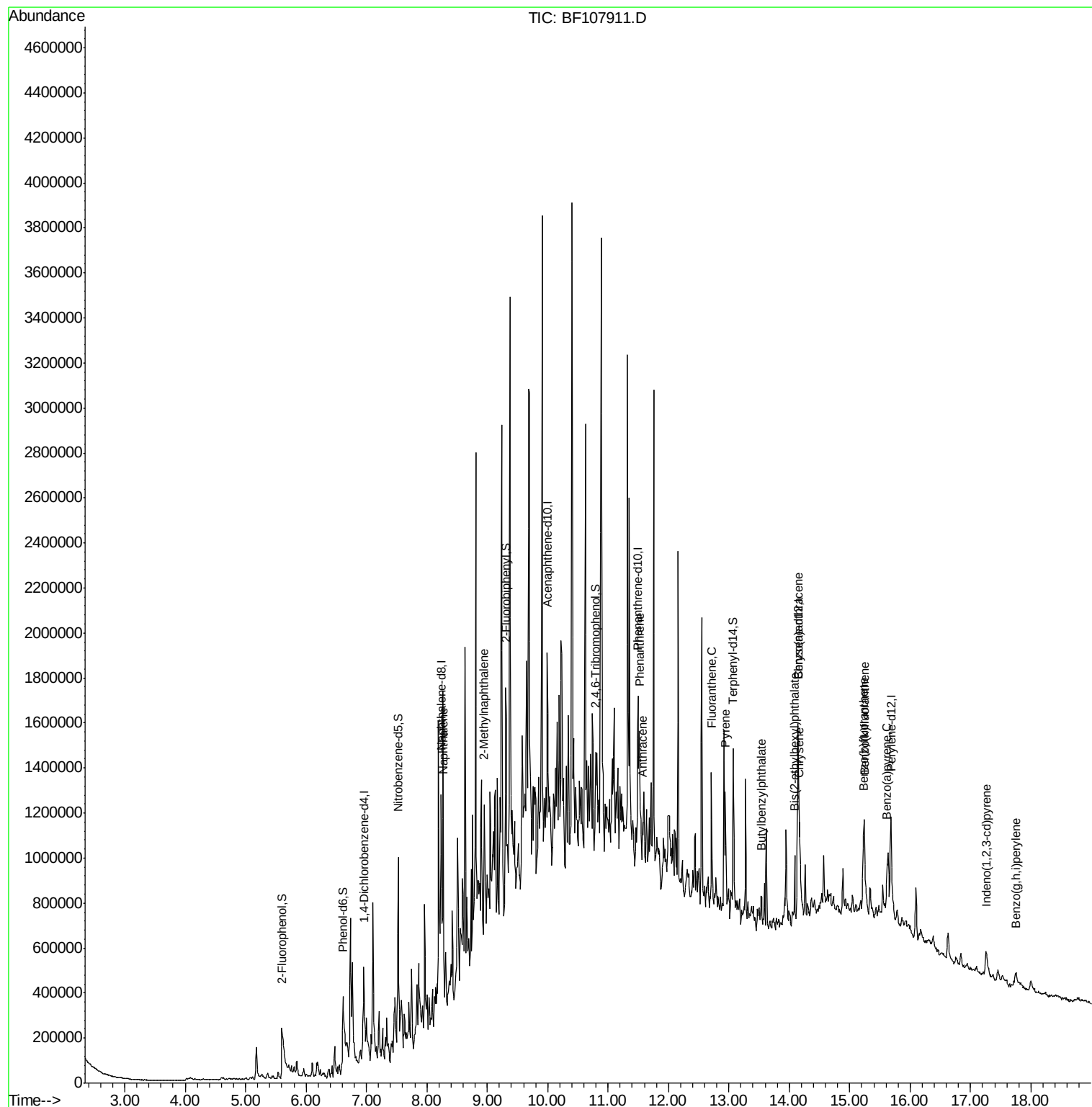
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
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ALS Vial : 7 Sample Multiplier: 1

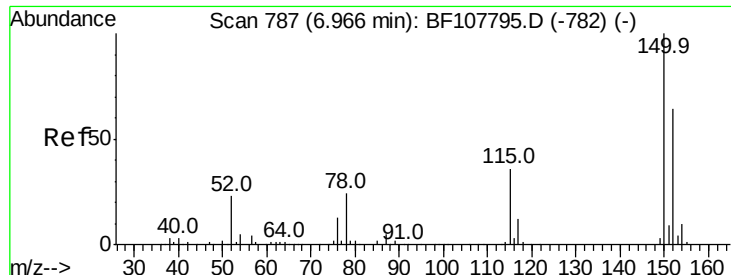
Instrument :
BNA_F
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Quant Time: Aug 02 17:32:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
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#1

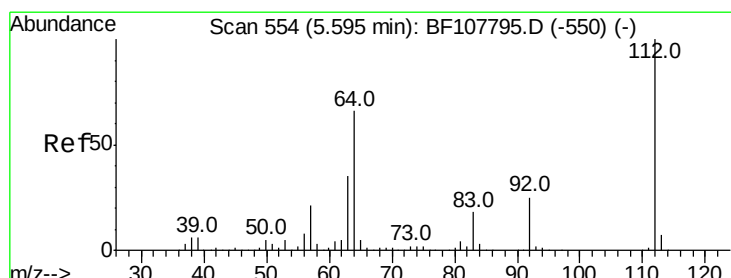
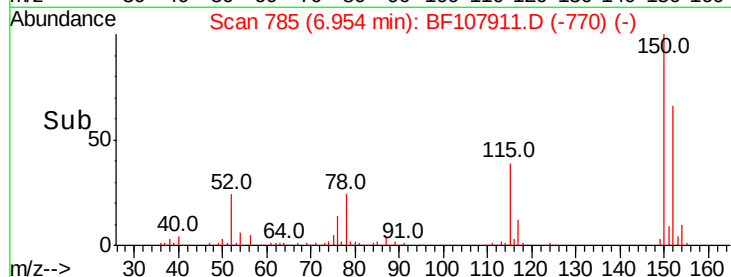
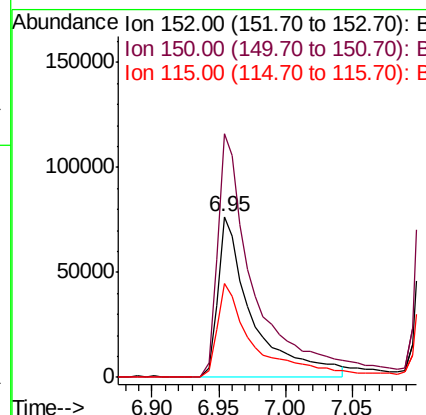
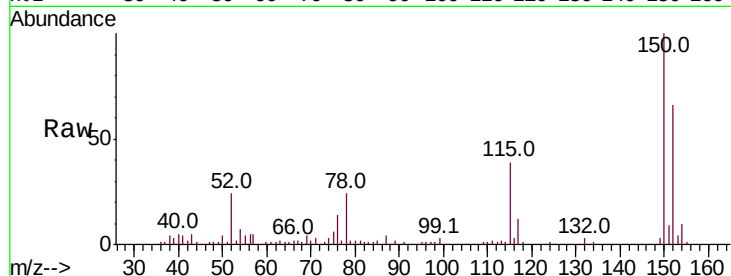
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Instrument :
BNA_F
ClientSampleId :
UST-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	124.6	186.8
115	58.6	50.1	75.1

Manual Integrations
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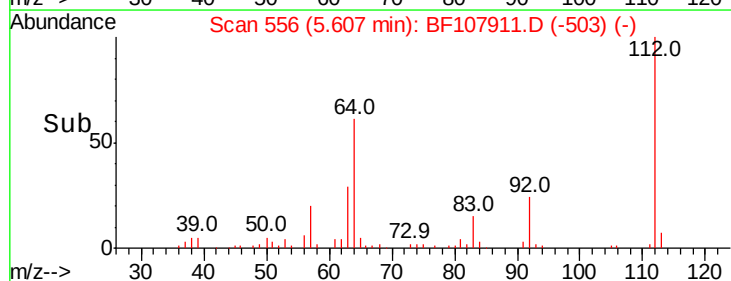
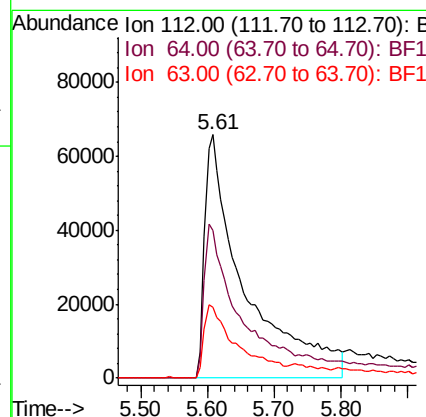
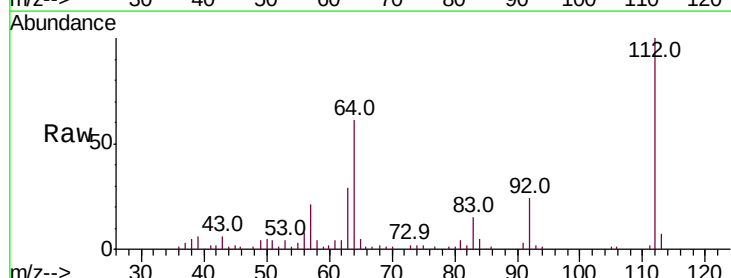
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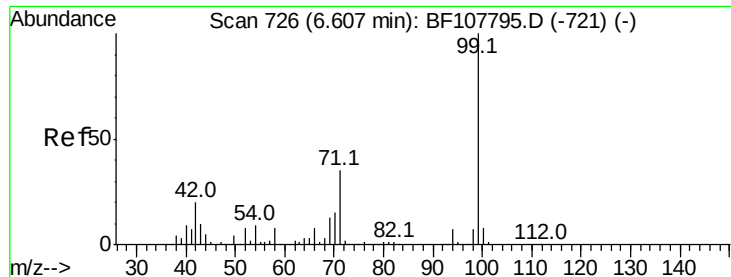


#5

2-Fluorophenol
Concen: 33.217 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	29.2	23.7	35.5





#7

Phenol-d6

Concen: 38.375 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

Instrument :

BNA_F

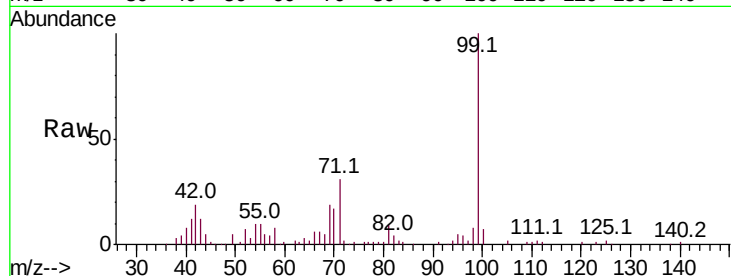
ClientSampled :

UST-B

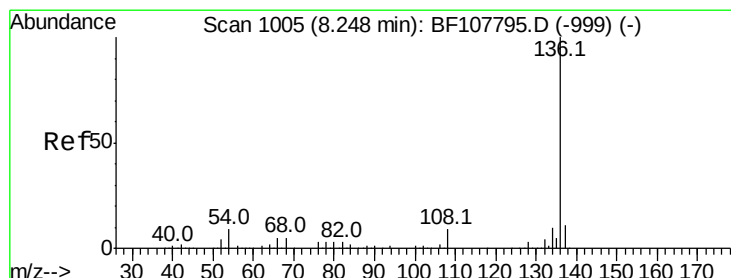
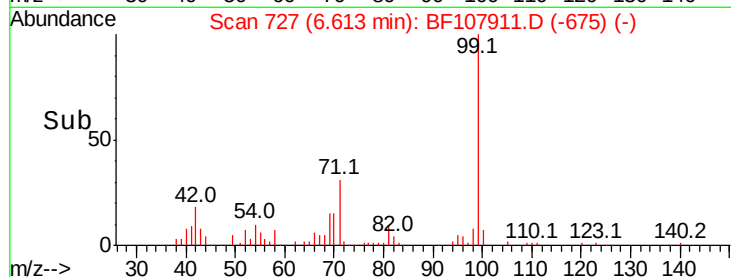
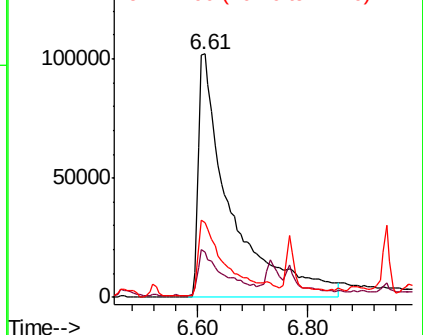
Tot Ion:	99	Resp:	414320
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	30.5	25.4	38.0

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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: 8.24 min Scan# 1003

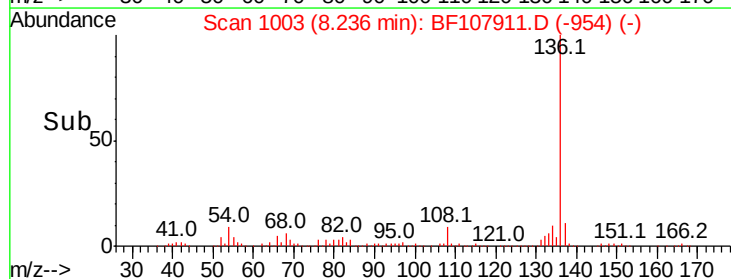
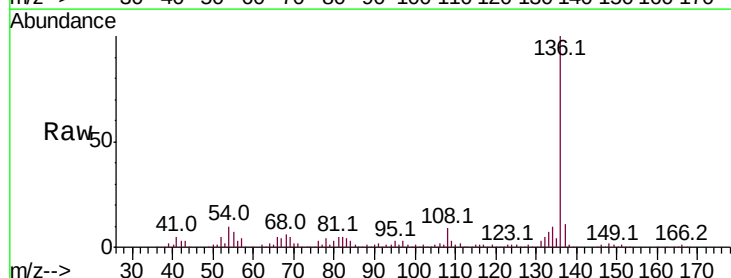
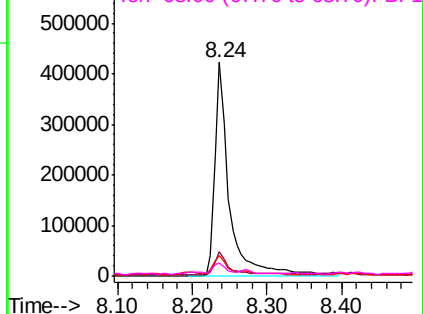
Delta R.T. -0.01 min

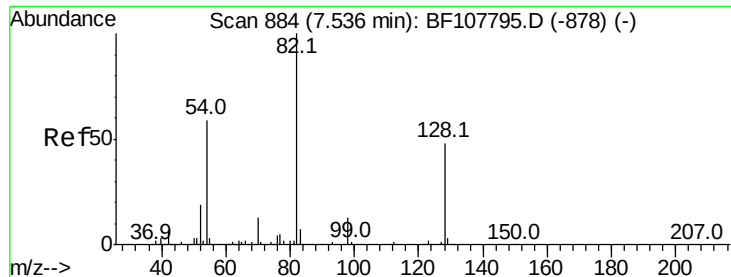
Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

Tgt Ion:	136	Resp:	570573
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.6	6.6	9.8
68	6.2	5.0	7.4

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





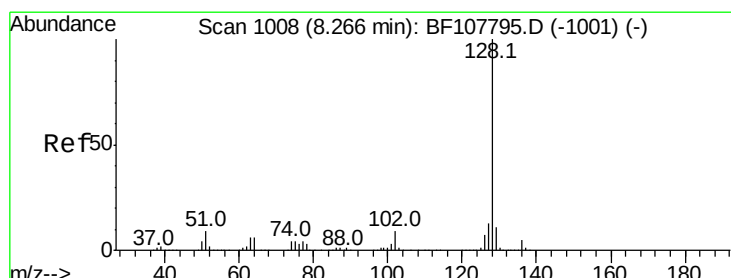
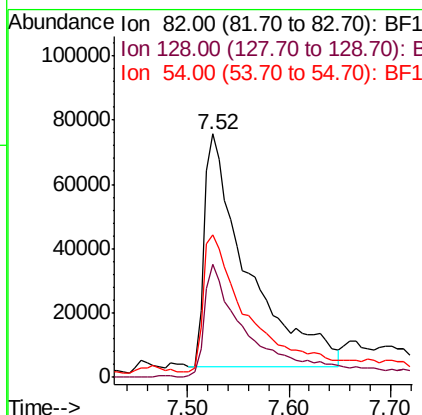
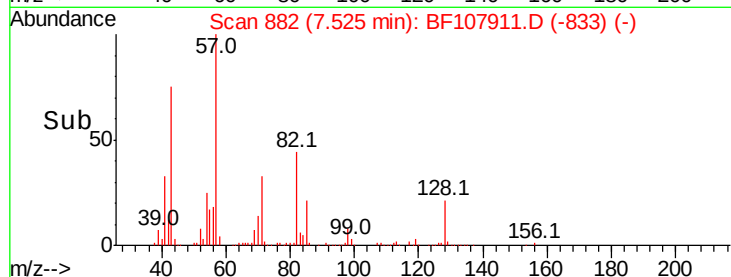
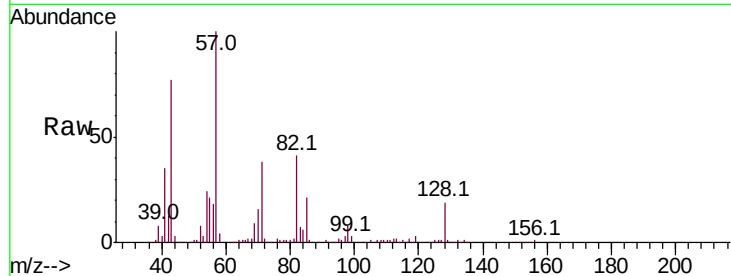
#23
 Nitrobenzene-d5
 Concen: 21.637 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Instrument :
 BNA_F
 ClientSampled :
 UST-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.1	54.1
54	58.3	41.4	62.2

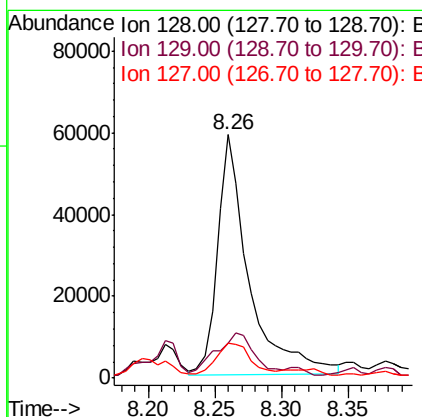
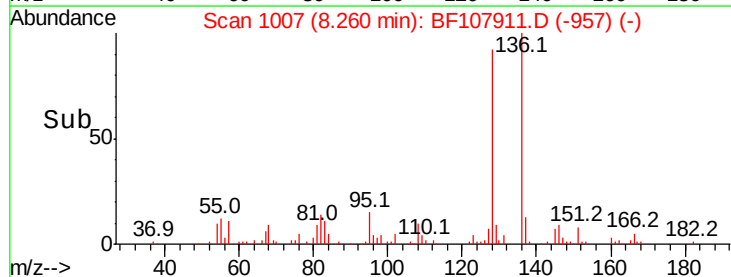
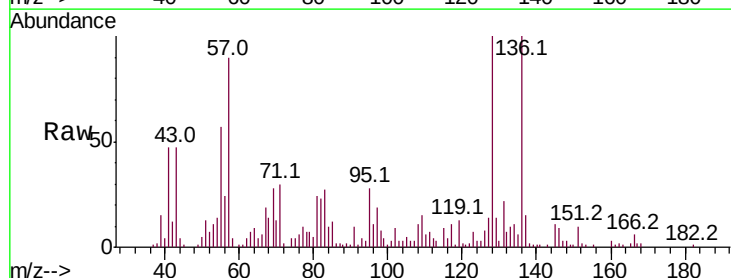
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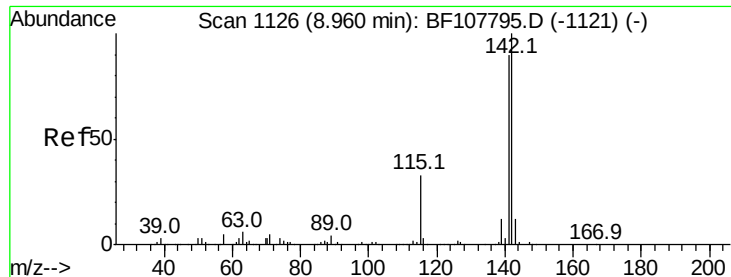
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#31
 Naphthalene
 Concen: 3.675 ng
 RT: 8.26 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.8	13.2#
127	14.2	10.9	16.3





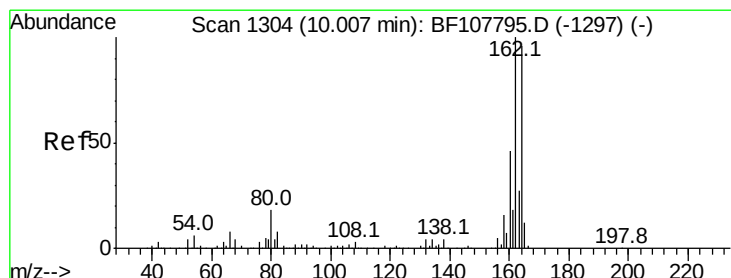
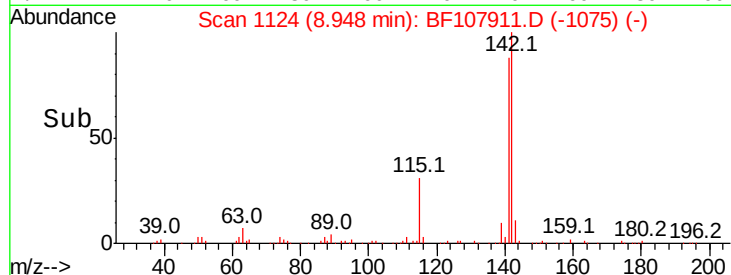
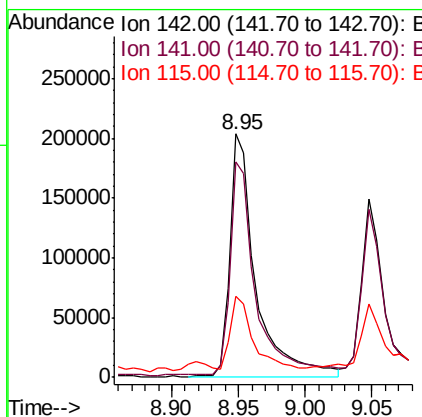
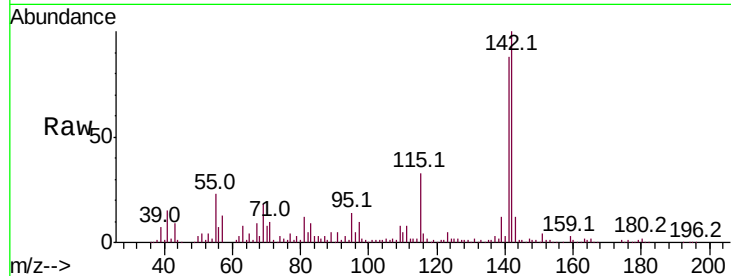
#37
2-Methylnaphthalene
Concen: 16.550 ng
RT: 8.95 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Instrument :
BNA_F
ClientSampled :
UST-B

Tot Ion	Ratio	Resp	Lower	Upper
142	100	275723		
141	88.4		70.8	106.2
115	33.3		26.1	39.1

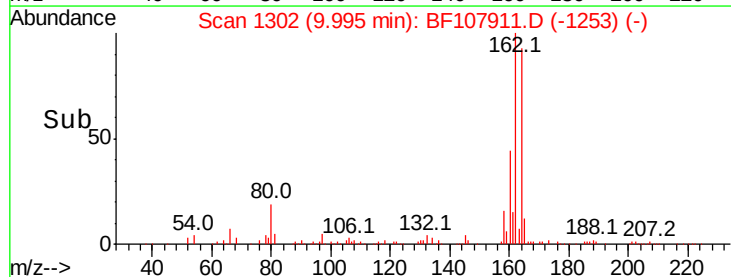
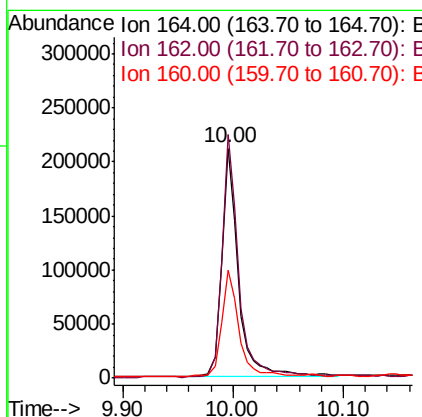
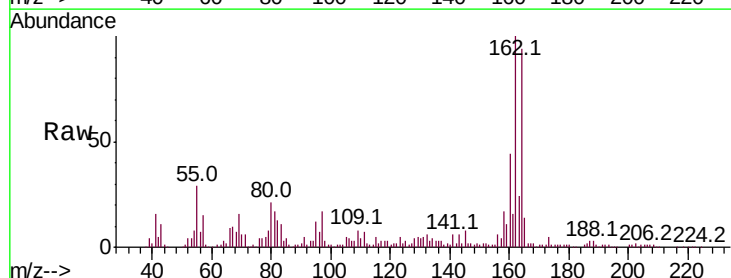
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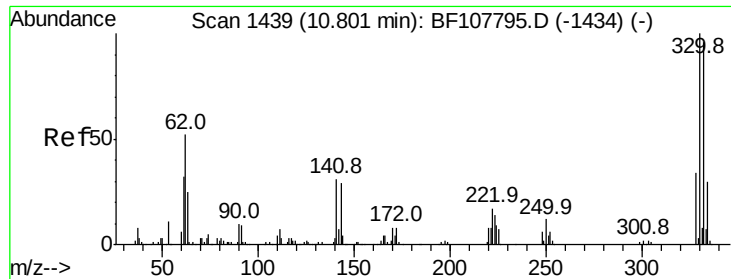
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	223410		
162	106.1		86.1	129.1
160	47.1		38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 28.890 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

Instrument :

BNA_F

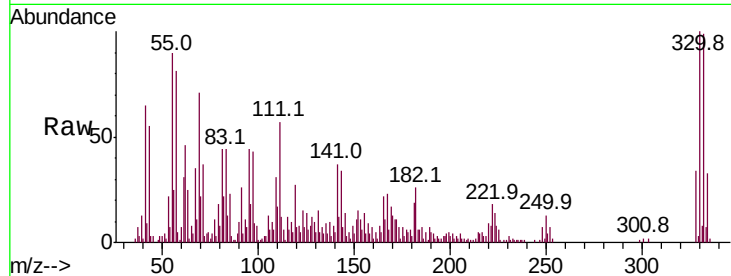
ClientSampled :

UST-B

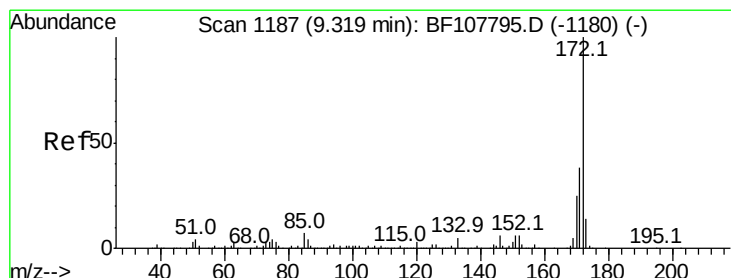
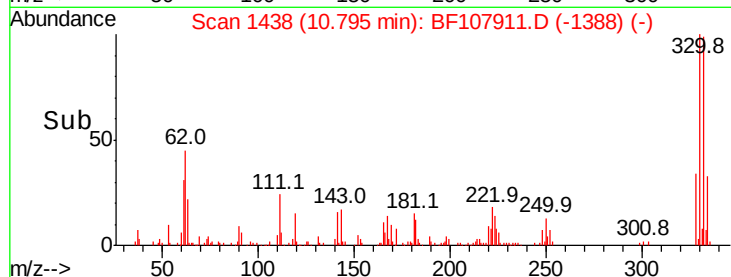
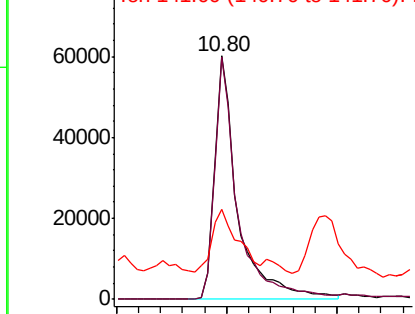
Tot Ion:	330	Resp:	87700
Ion Ratio	Lower	Upper	
330	100		
332	98.3	77.0	115.6
141	27.8	29.9	44.9#

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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



#44

2-Fluorobiphenyl

Concen: 28.778 ng

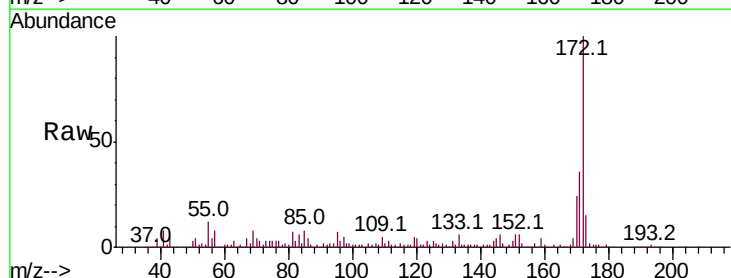
RT: 9.31 min Scan# 1185

Delta R.T. -0.01 min

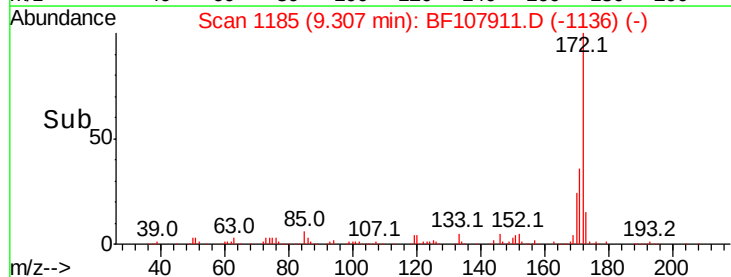
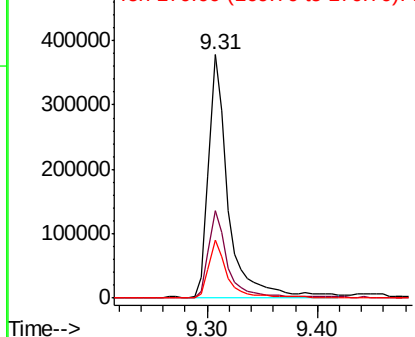
Lab File: BF107911.D

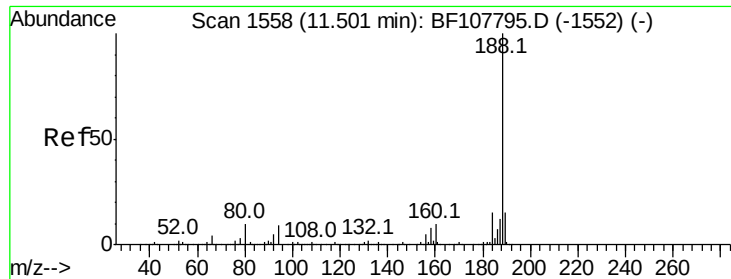
Acq: 2 Aug 2018 16:07

Tgt Ion:	172	Resp:	461378
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

Instrument :

BNA_F

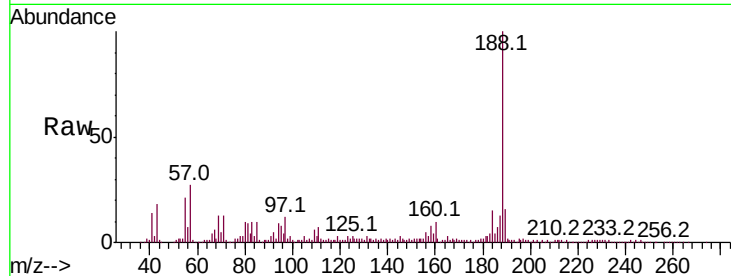
ClientSampled :

UST-B

Tot Ion:	188	Resp:	372004
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	9.9	9.2	13.8

Manual Integrations
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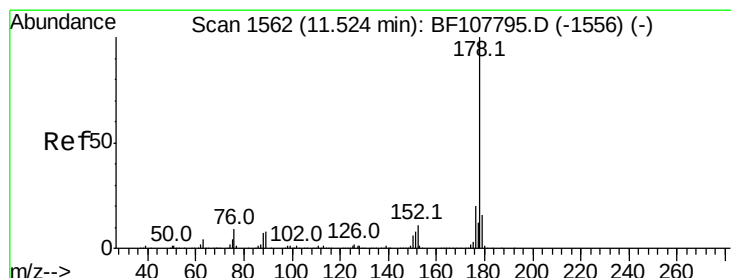
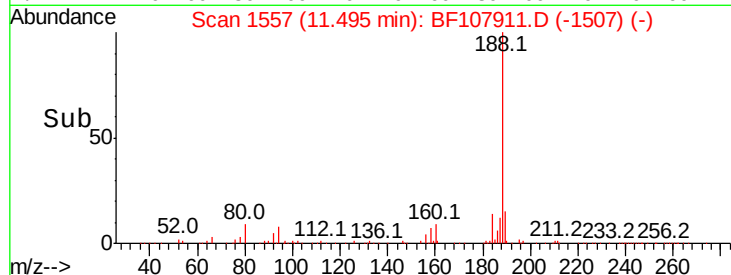
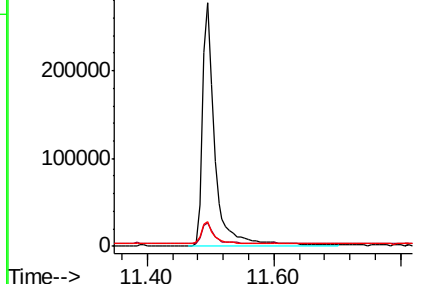
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 13.067 ng

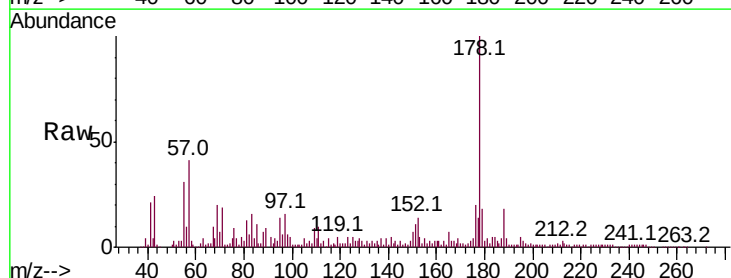
RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

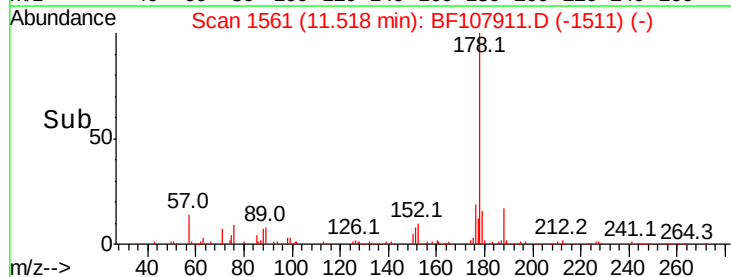
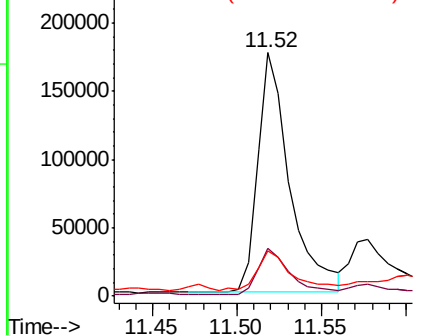
Tgt Ion:	178	Resp:	230807
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	18.3	13.0	19.6

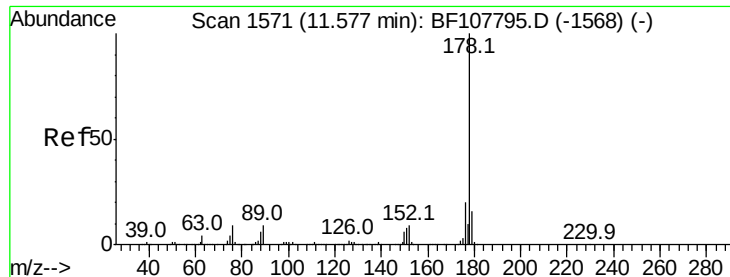


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





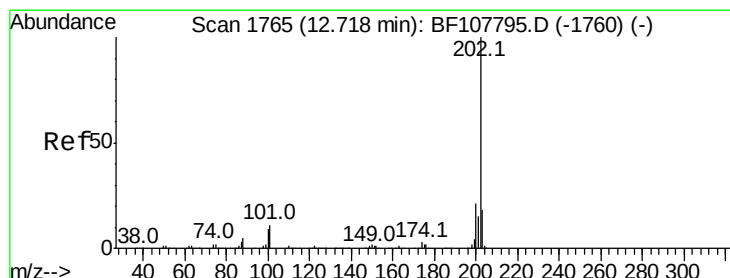
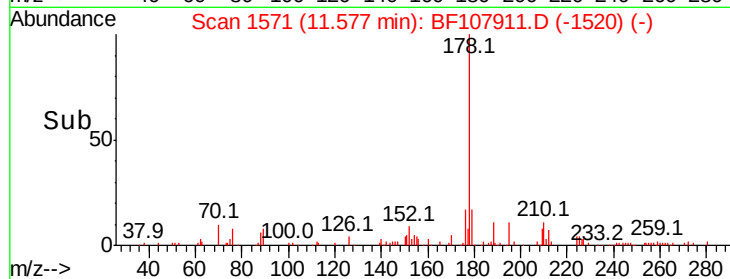
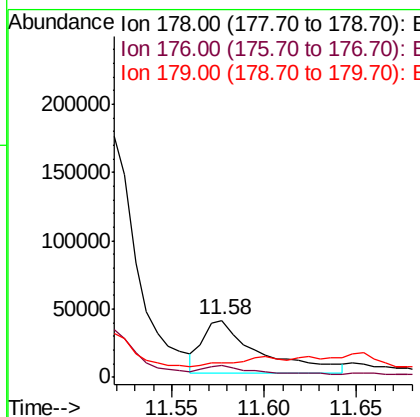
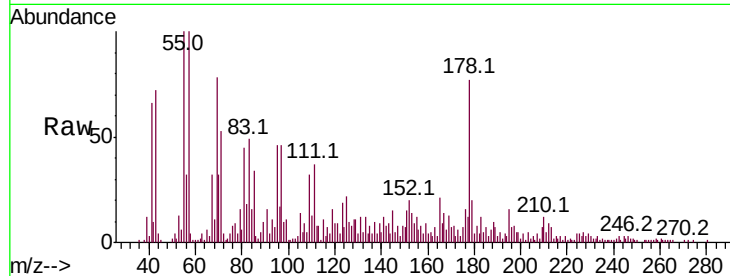
#71
 Anthracene
 Concen: 4.033 ng/mL
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Instrument :
 BNA_F
 ClientSampleID :
 UST-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	26.3	12.6	19.0

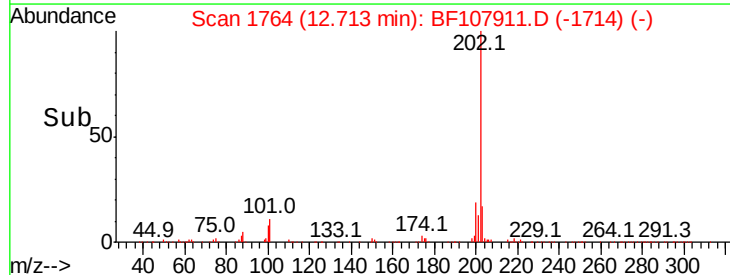
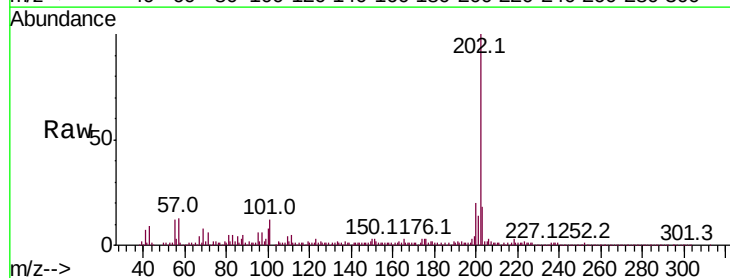
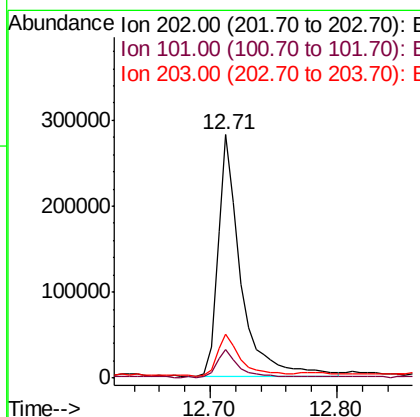
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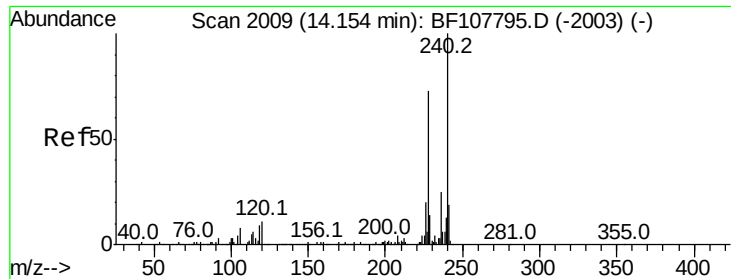
Sohil
 8/3/2018 12:53:14 PM



#74
 Fluoranthene
 Concen: 17.060 ng/mL
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

Instrument :

BNA_F

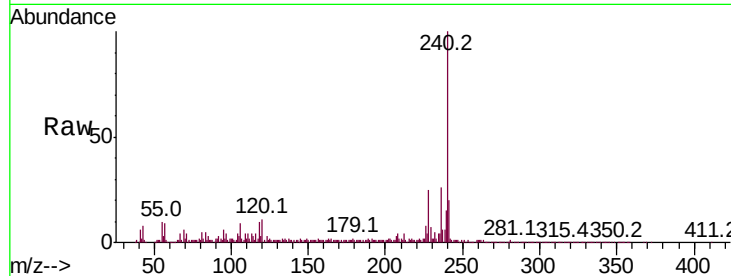
ClientSampleId :

UST-B

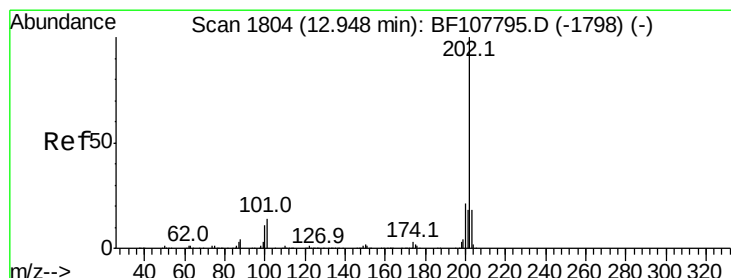
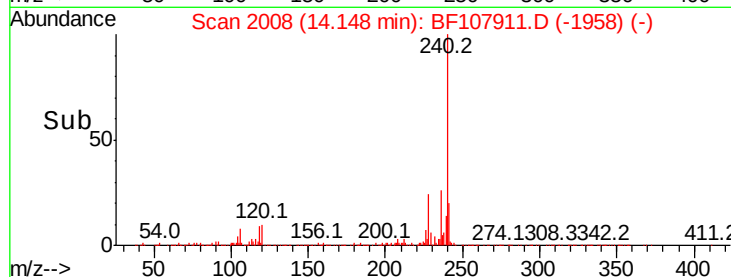
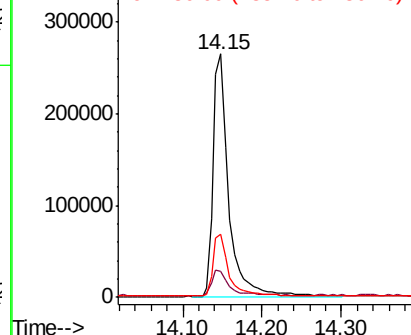
Tot Ion:	240	Resp:	361825
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	26.1	20.7	31.1

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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



#77

Pyrene

Concen: 12.770 ng

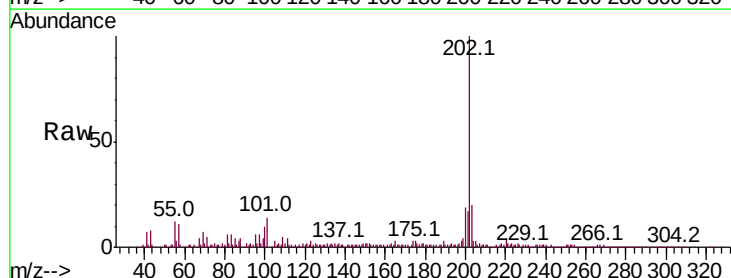
RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

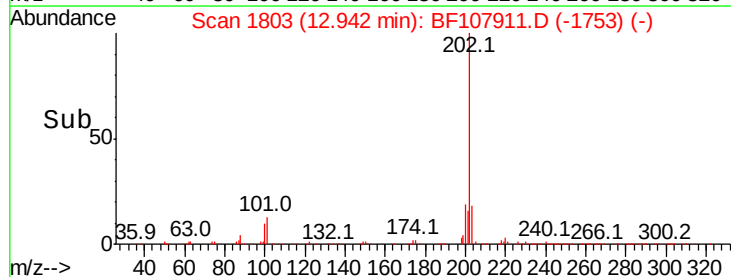
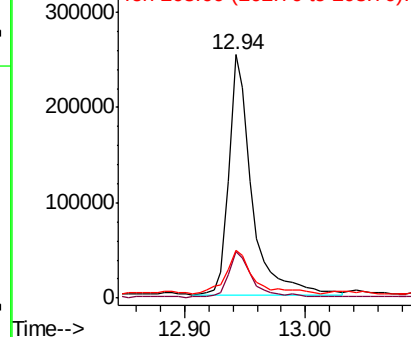
Lab File: BF107911.D

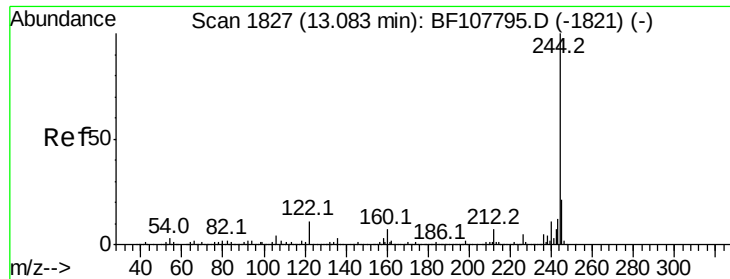
Acq: 2 Aug 2018 16:07

Tgt Ion:	202	Resp:	332726
Ion Ratio	Lower	Upper	
202	100		
200	19.3	17.4	26.2
203	19.5	14.3	21.5



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





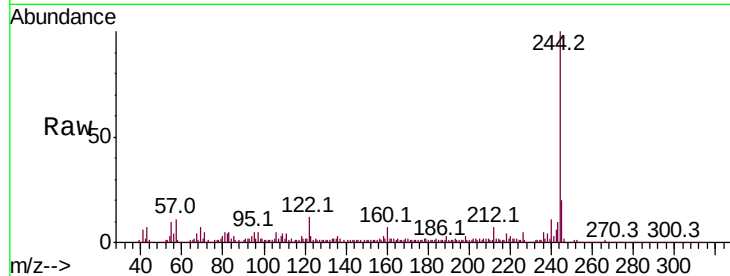
#78
 Terphenyl-d14
 Concen: 22.728 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.3	11.0	16.4

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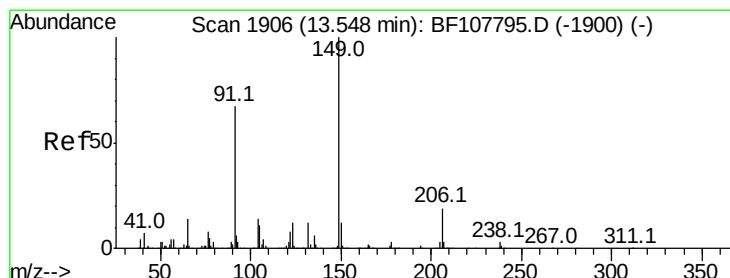
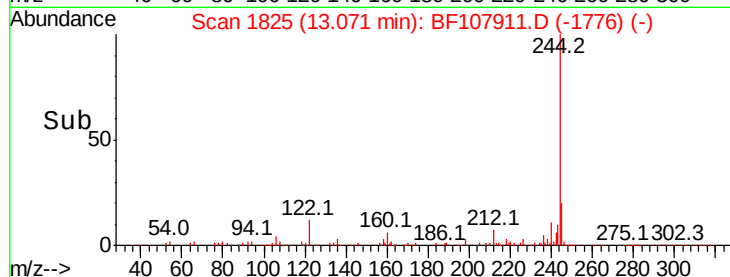
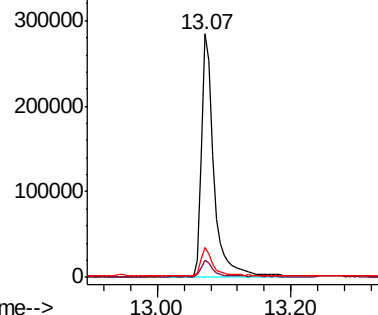


Abundance

Ion 244.00 (243.70 to 244.70): E

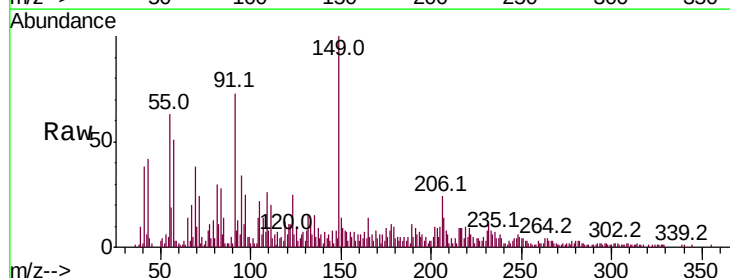
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79
 Butylbenzylphthalate
 Concen: 3.634 ng
 RT: 13.54 min Scan# 1905
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
149	100		
91	72.7	56.8	85.2
206	23.7	14.1	21.1#

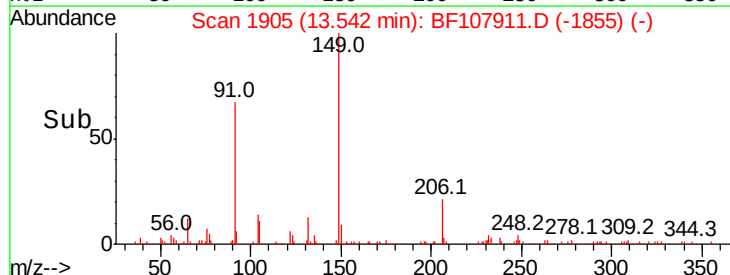
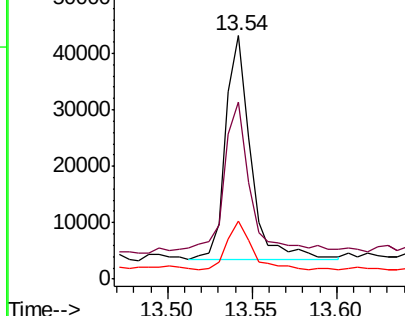


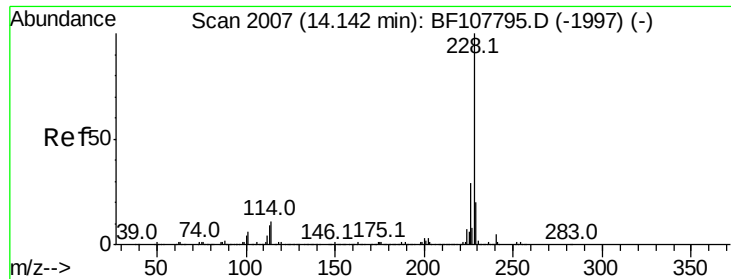
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





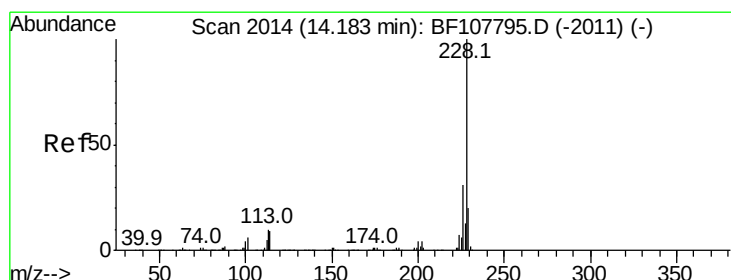
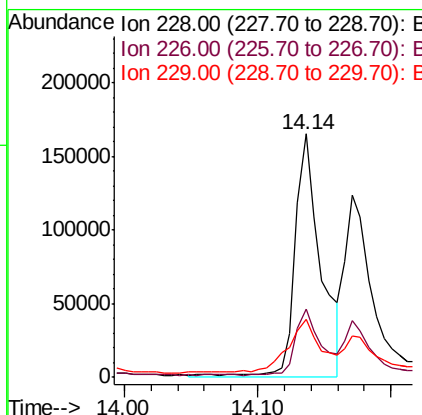
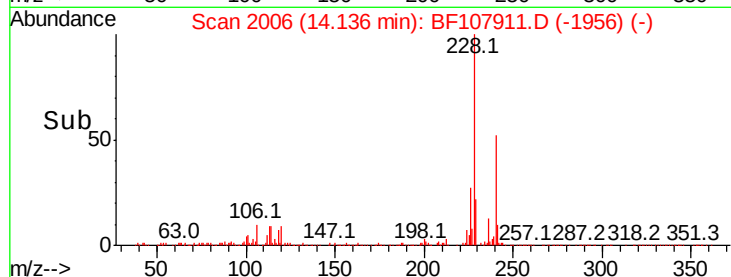
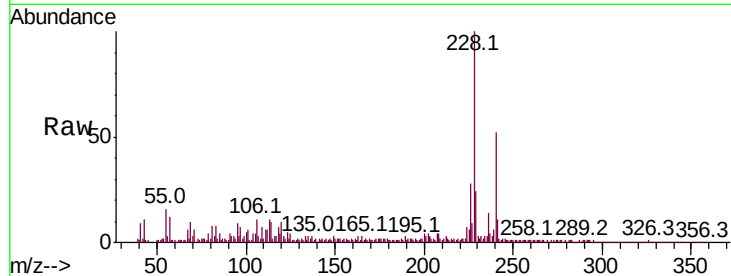
#80
Benzo(a)anthracene
Concen: 10.748 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Instrument :
BNA_F
ClientSampled :
UST-B

Tot Ion	Ratio	Resp	Lower	Upper
228	100	220284		
226	28.2		22.6	33.8
229	23.8		15.8	23.6

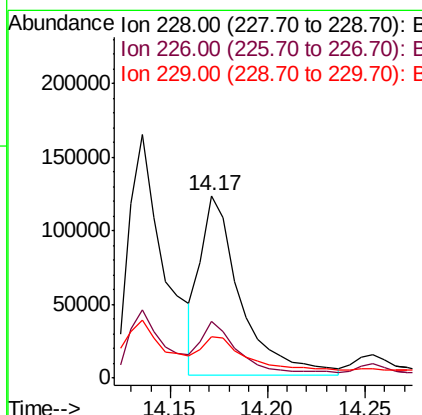
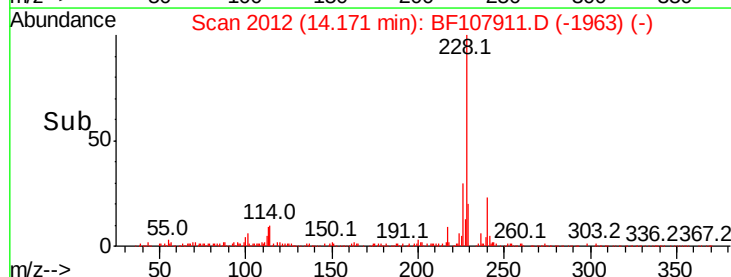
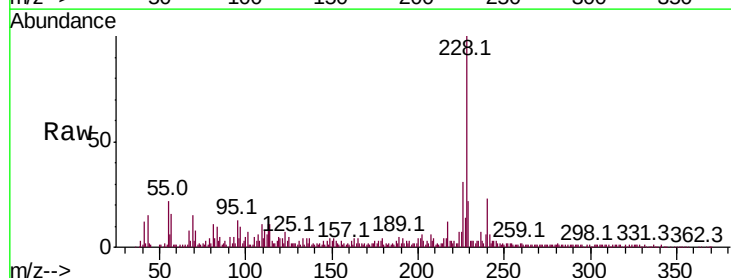
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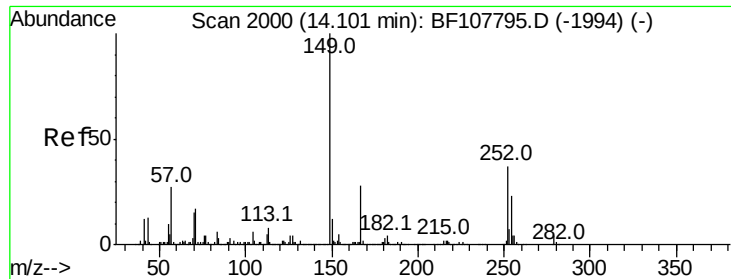
Sohil
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#82
Chrysene
Concen: 7.894 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	174518		
226	31.3		25.0	37.6
229	22.5		16.2	24.4





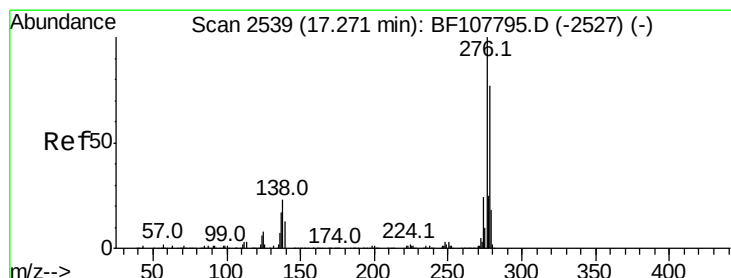
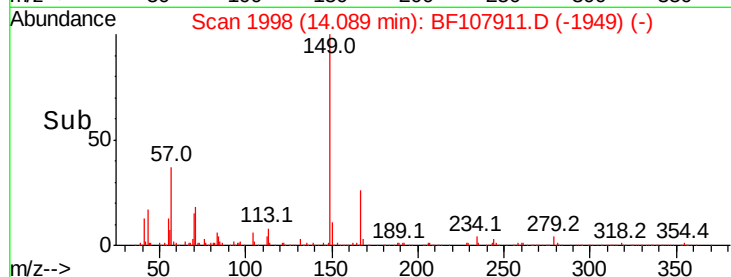
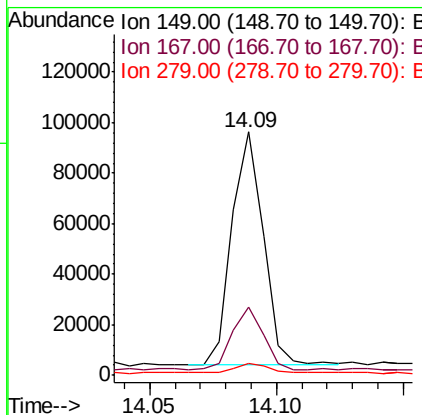
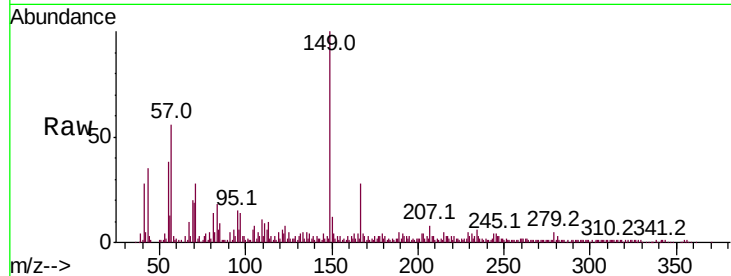
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.535 ng
 RT: 14.09 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Instrument :
 BNA_F
 ClientSampleId :
 UST-B

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.3	31.9
279	4.7	3.0	4.4#

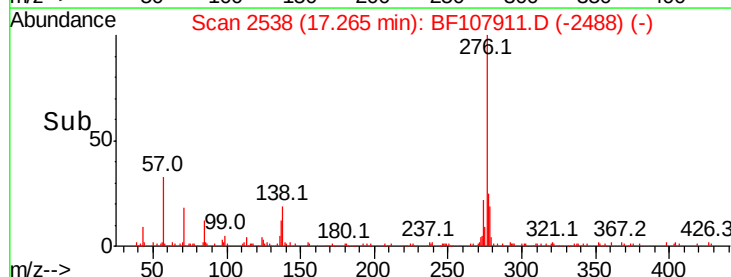
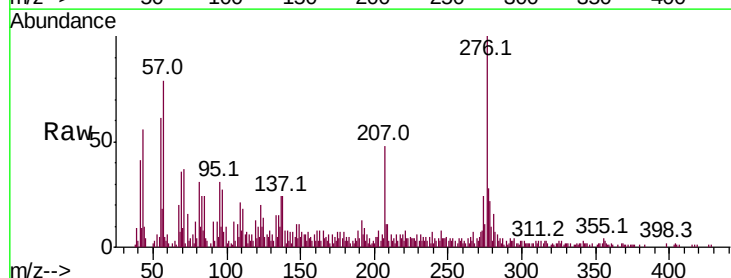
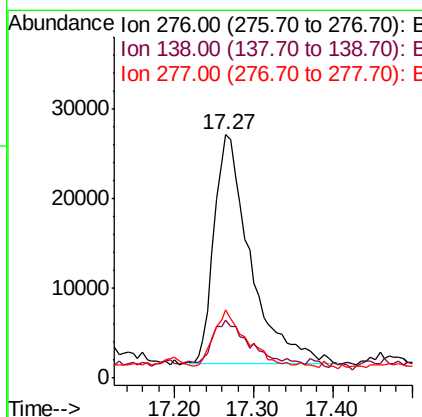
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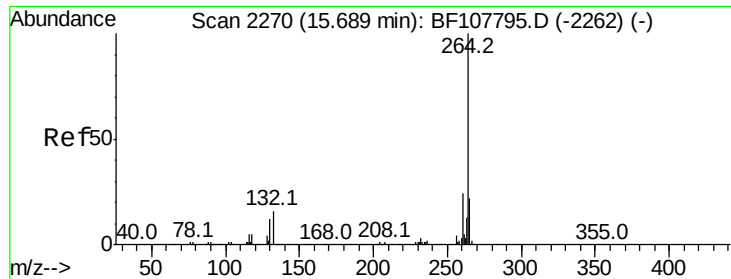
Sohil
 8/3/2018 12:53:14 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.816 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	21.6	20.1	30.1





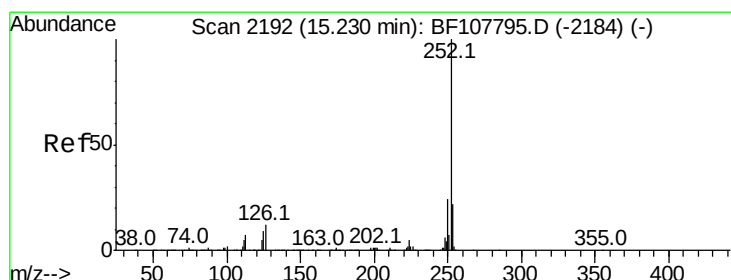
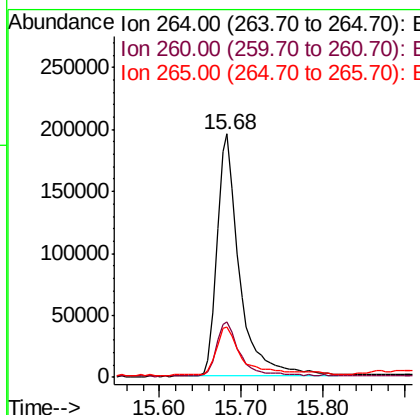
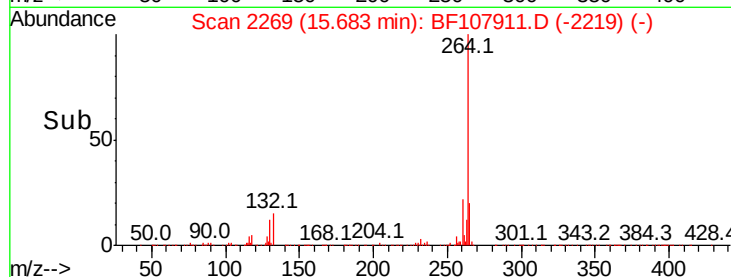
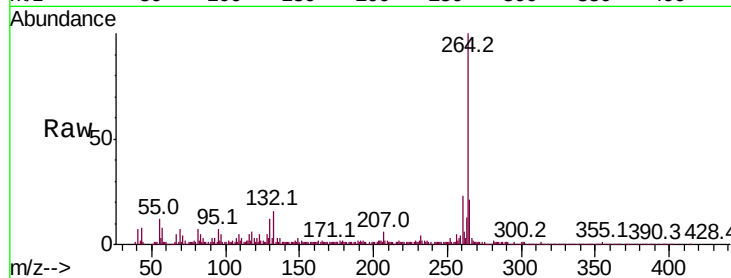
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Instrument :
BNA_F
ClientSampleId :
UST-B

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	22.8	19.2	28.8	
265	20.8	17.5	26.3	

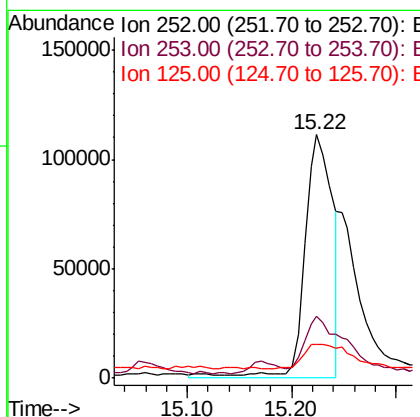
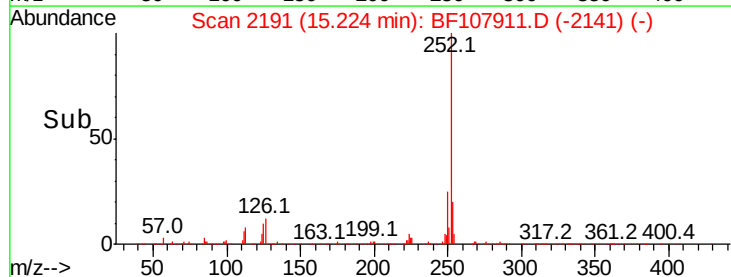
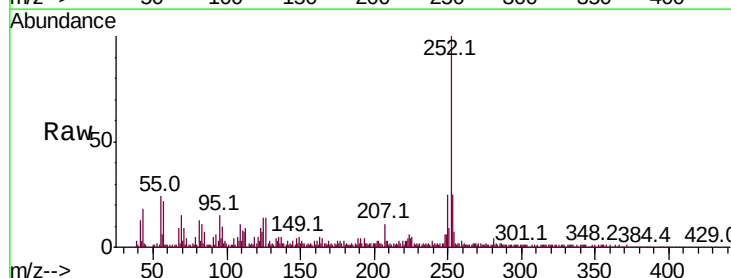
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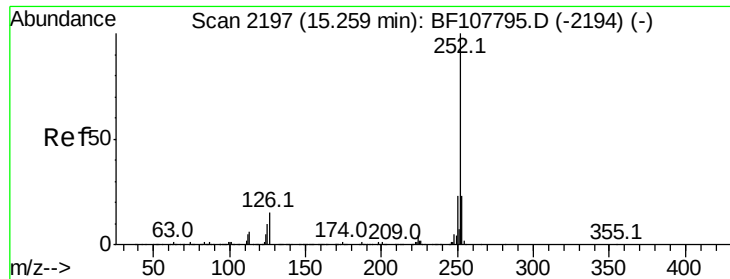
Sohil
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#87
Benzo(b)fluoranthene
Concen: 11.286 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107911.D
Acq: 2 Aug 2018 16:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.5	17.0	25.6	
125	14.0	9.0	13.6	





#88

Benzo(k)fluoranthene

Concen: 5.219 ng/mL

RT: 15.24 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

Instrument :

BNA_F

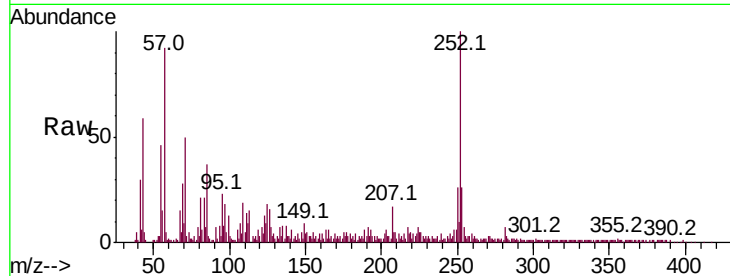
ClientSampled :

UST-B

Tot Ion:	252	Resp:	118478
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.9	26.9
125	18.0	10.2	15.2

Manual Integrations
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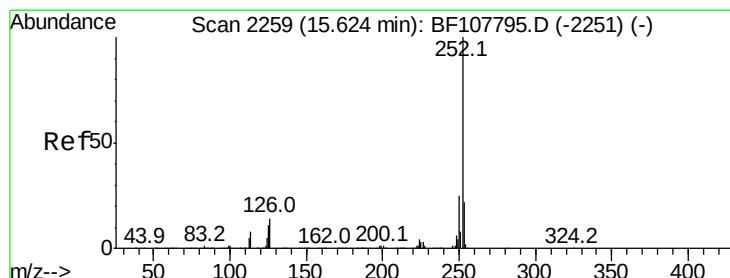
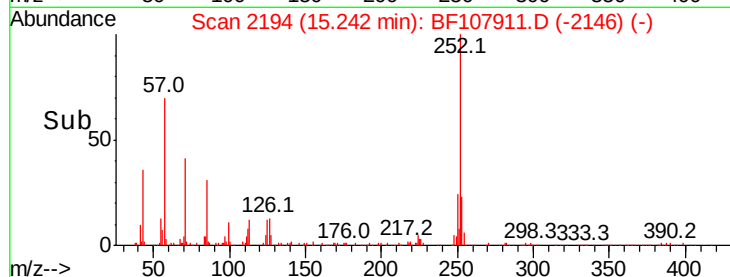
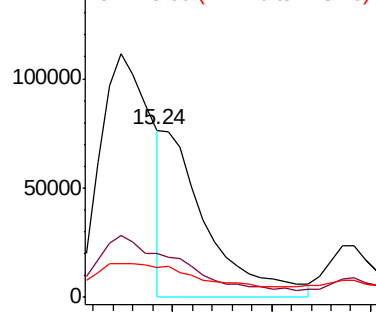


Abundance

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(a)pyrene

Concen: 8.648 ng/mL

RT: 15.62 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF107911.D

Acq: 2 Aug 2018 16:07

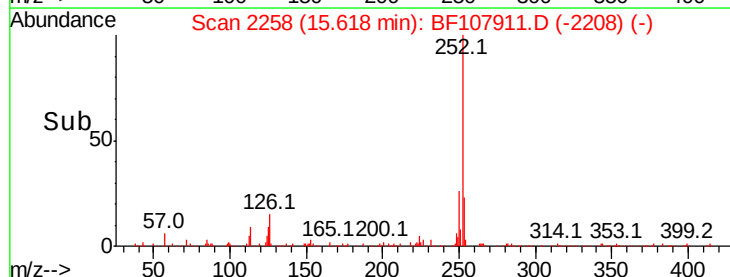
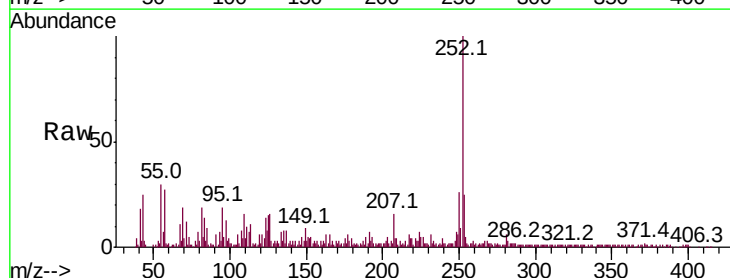
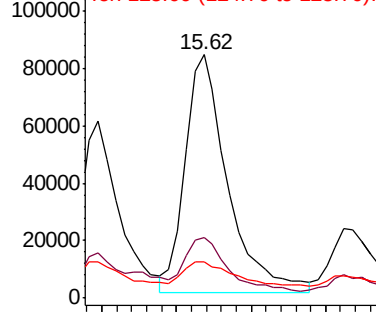
Tgt Ion:	252	Resp:	165084
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.1	25.7
125	14.9	9.8	14.6

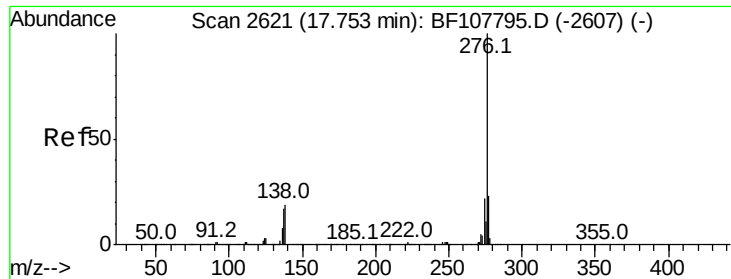
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 4.982 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.01 min
 Lab File: BF107911.D
 Acq: 2 Aug 2018 16:07

Instrument :
 BNA_F
 ClientSampled :
 UST-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.6	17.9	26.9#
138	27.0	21.8	32.8

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