

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107957.D
 Acq On : 4 Aug 2018 00:04
 Operator : JU/SJ
 Sample : J4298-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
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Sohil
 8/6/2018 5:05:58 PM

Quant Time: Aug 04 05:42:37 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	123475	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	556403	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	218889	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	375784	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	363656	20.00	ng	-0.01
86) Perylene-d12	15.68	264	339891	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	292151	40.21	ng	0.00
7) Phenol-d6	6.61	99	436385	45.58	ng	0.00
23) Nitrobenzene-d5	7.52	82	288523	29.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	108465	36.47	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	607986	38.71	ng	-0.02
78) Terphenyl-d14	13.07	244	490513	29.25	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.70	163	76678	4.664	ng	98
70) Phenanthrene	11.51	178	206124	11.552	ng	98
71) Anthracene	11.57	178	66708	3.241	ng	96
74) Fluoranthene	12.71	202	488528	23.305	ng	96
77) Pyrene	12.94	202	433789	16.566	ng	97
80) Benzo(a)anthracene	14.13	228	233684	11.344	ng	98
82) Chrysene	14.17	228	223989	10.081	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	124540	8.639	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	95425	5.646	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	260041m	15.512	ng	
88) Benzo(k)fluoranthene	15.24	252	148544m	7.217	ng	
89) Benzo(a)pyrene	15.61	252	190820	11.026	ng	96
91) Benzo(a,h,i)perylene	17.74	276	90706	6.210	ng	94

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

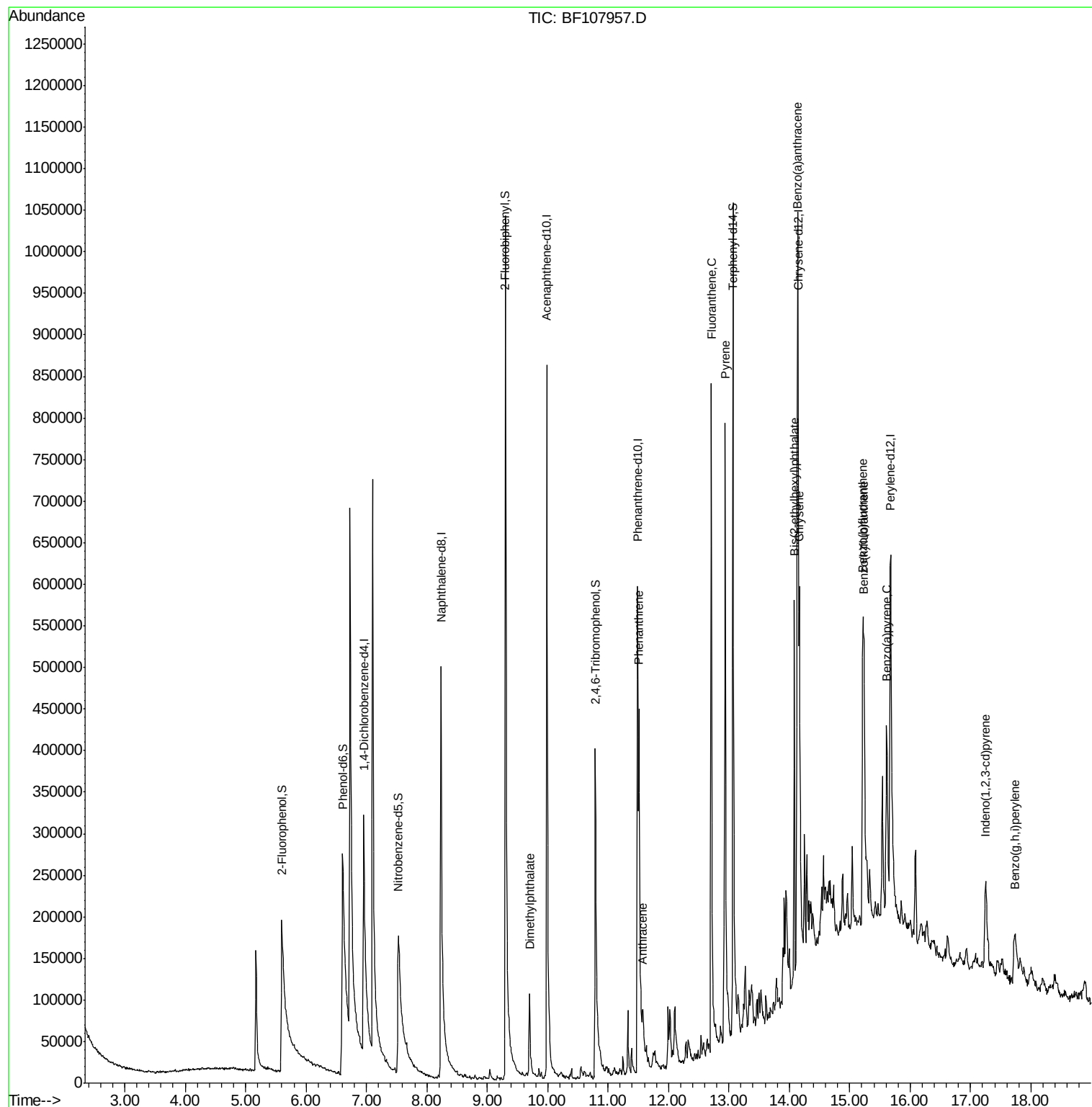
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107957.D
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ALS Vial : 24 Sample Multiplier: 1

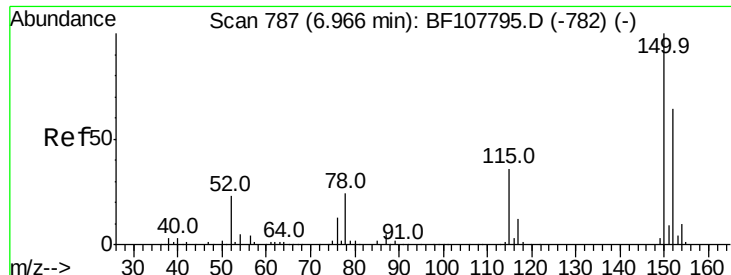
Instrument :
BNA_F
ClientSampled :
WC-1

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#1

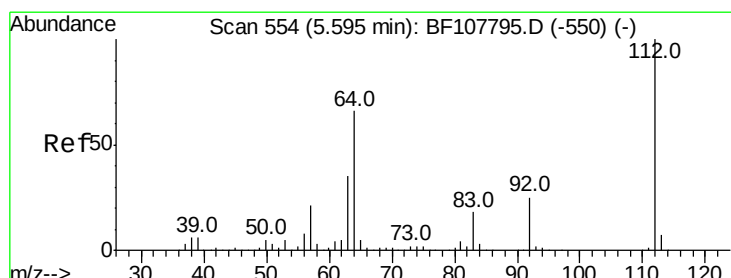
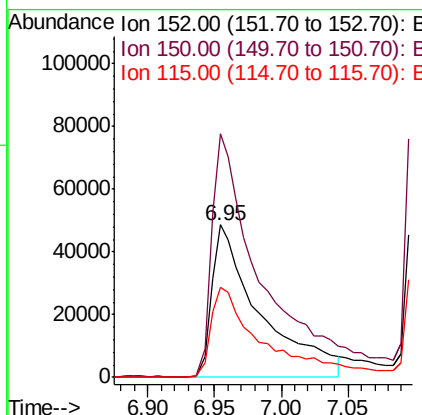
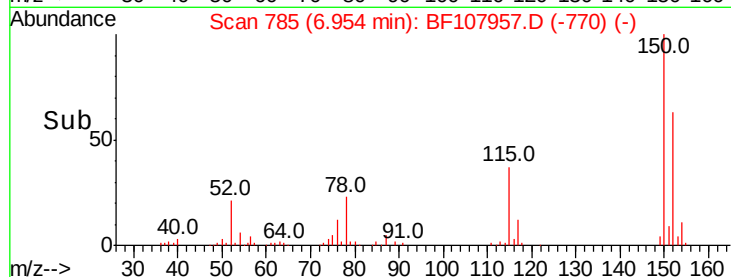
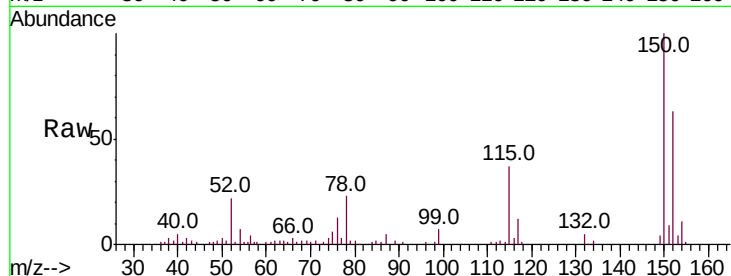
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	59.2	50.1	75.1

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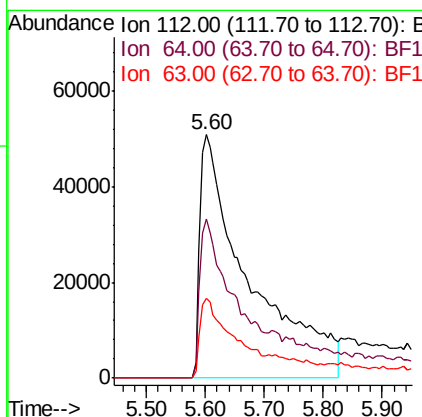
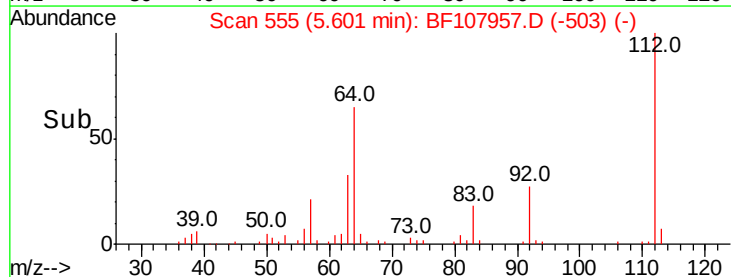
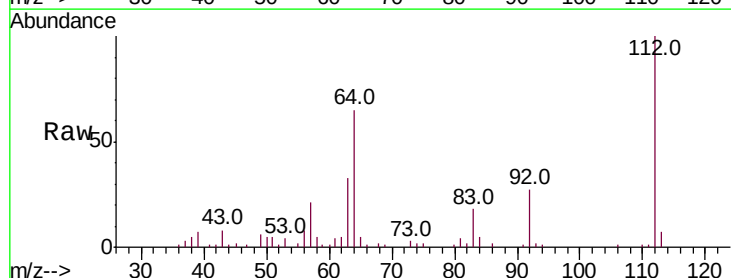
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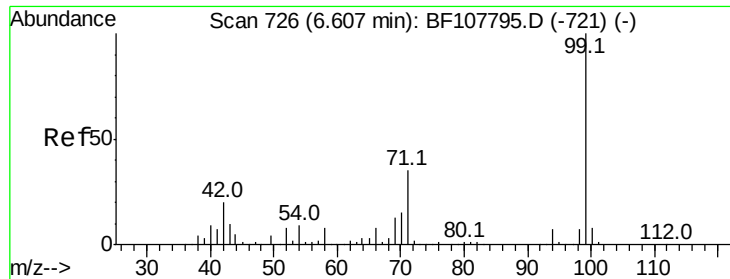


#5

2-Fluorophenol
Concen: 40.213 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	47.9	71.9
63	32.5	23.7	35.5





#7

Phenol-d6

Concen: 45.575 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107957.D

Acq: 4 Aug 2018 00:04

Instrument :

BNA_F

ClientSampled :

WC-1

Tot Ion: 99 Resp: 436385

Ion Ratio Lower Upper

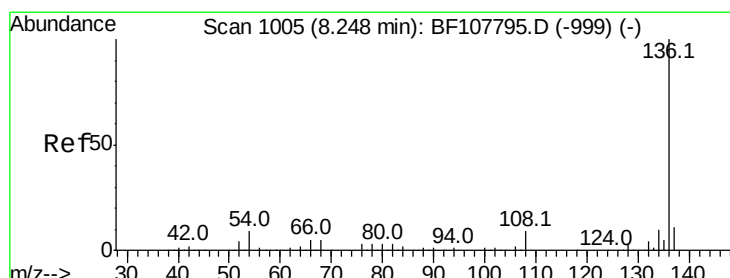
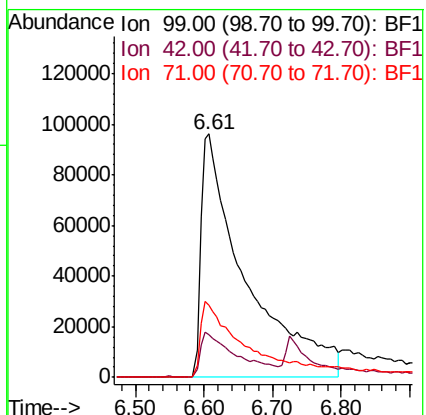
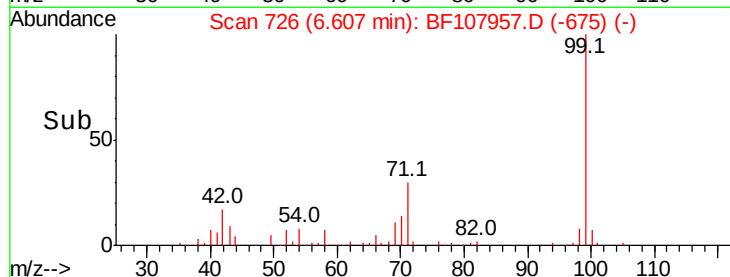
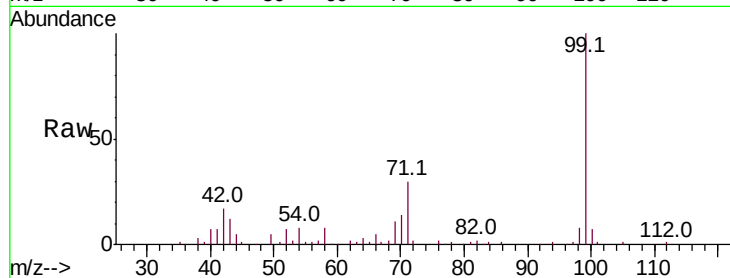
99 100

42 17.5 14.5 21.7

71 29.6 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107957.D

Acq: 4 Aug 2018 00:04

Tgt Ion: 136 Resp: 556403

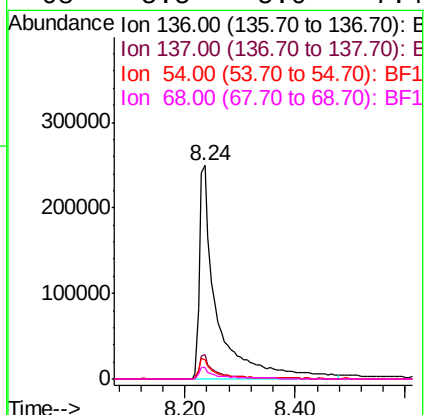
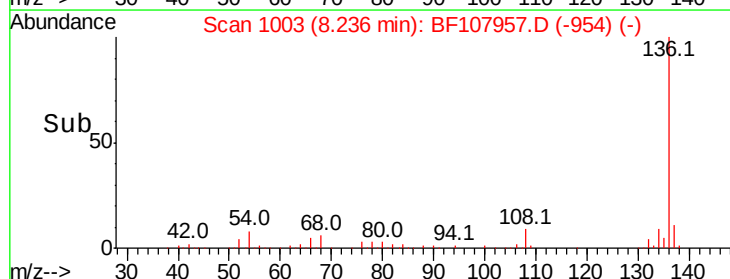
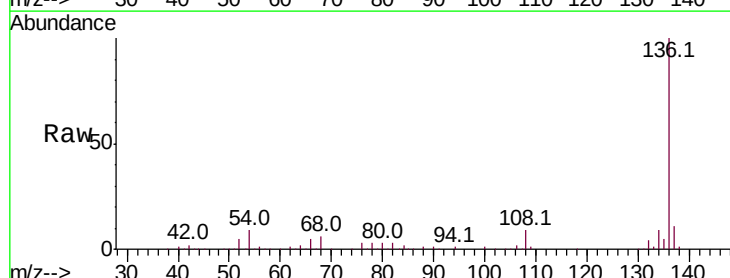
Ion Ratio Lower Upper

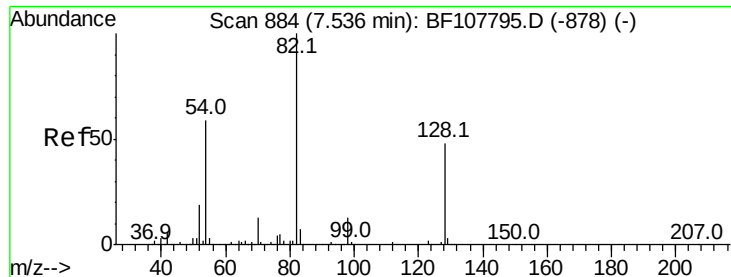
136 100

137 11.2 8.9 13.3

54 8.9 6.6 9.8

68 5.5 5.0 7.4





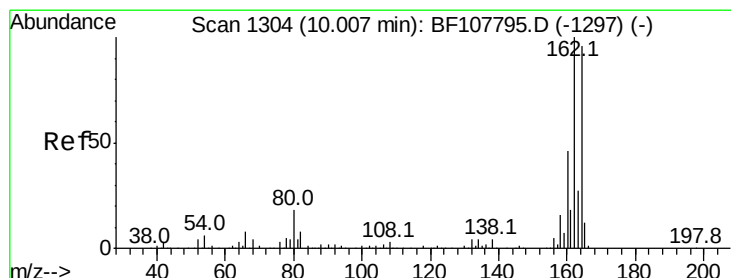
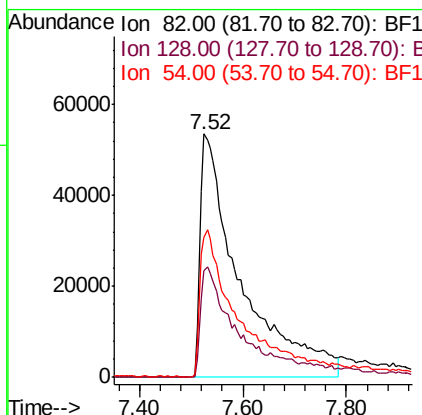
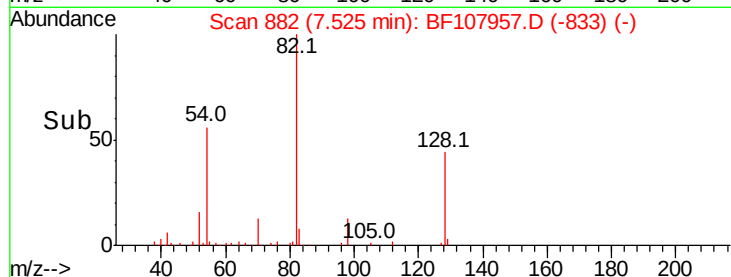
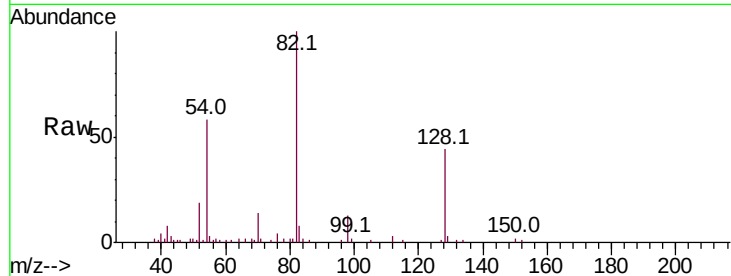
#23
Nitrobenzene-d5
Concen: 29.874 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	57.6	41.4	62.2

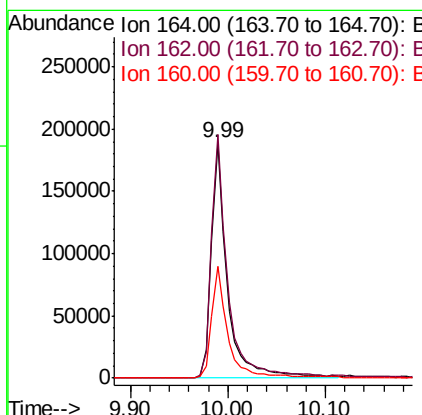
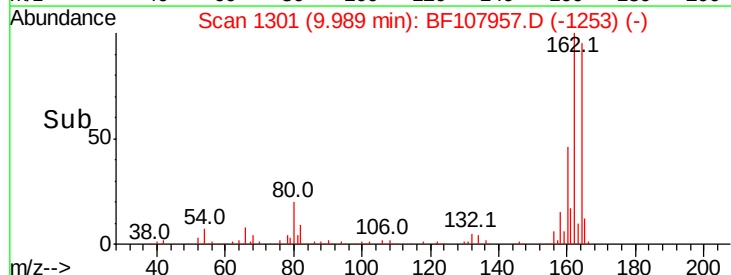
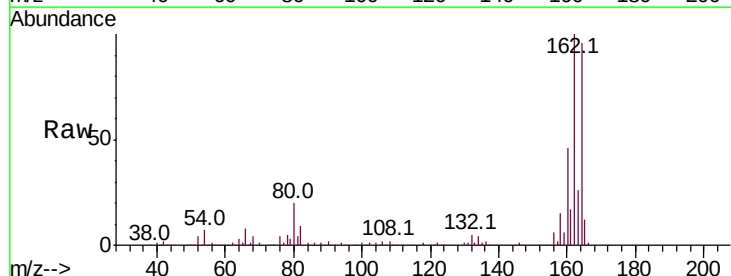
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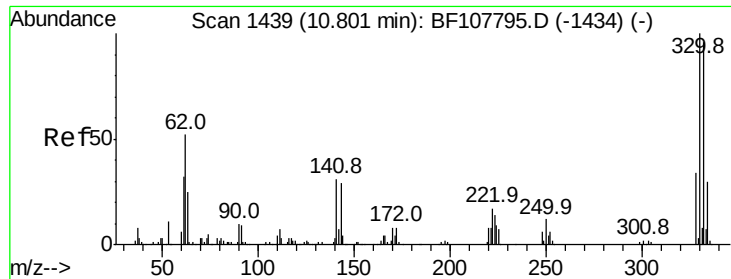
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	47.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 36.468 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF107957.D

Acq: 4 Aug 2018 00:04

Instrument :

BNA_F

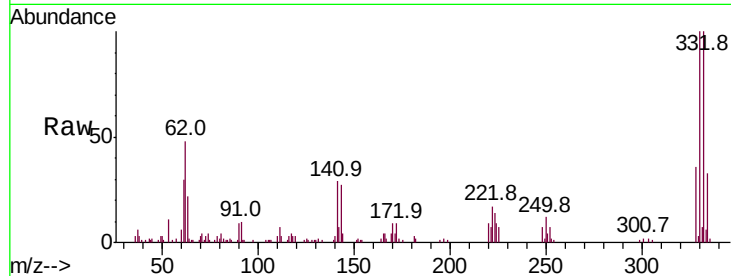
ClientSampled :

WC-1

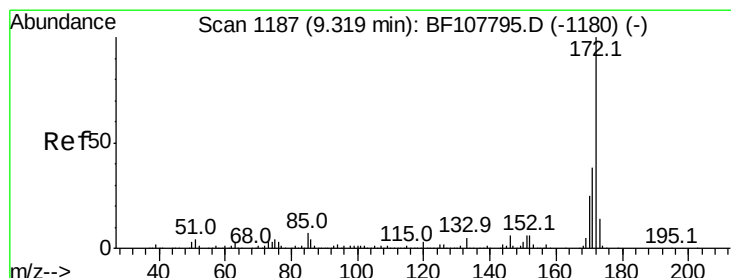
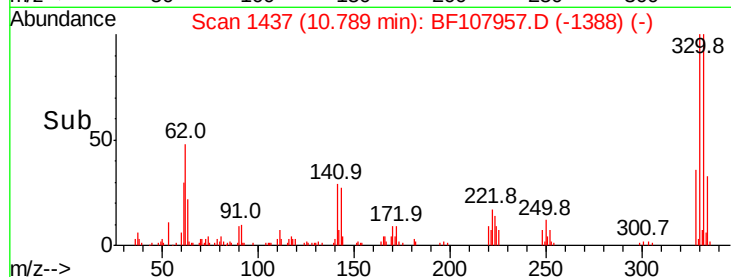
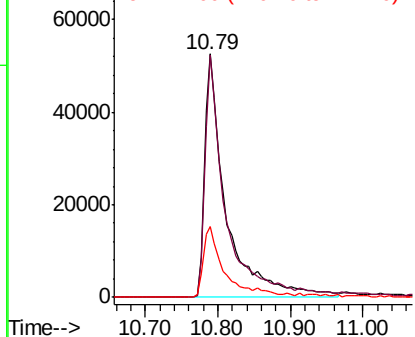
Tot Ion:	330	Resp:	108465
Ion Ratio	Lower	Upper	
330	100		
332	92.5	77.0	115.6
141	28.5	29.9	44.9#

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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: 38.706 ng

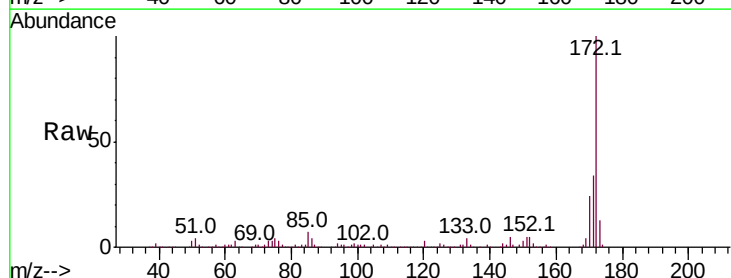
RT: 9.30 min Scan# 1184

Delta R.T. -0.02 min

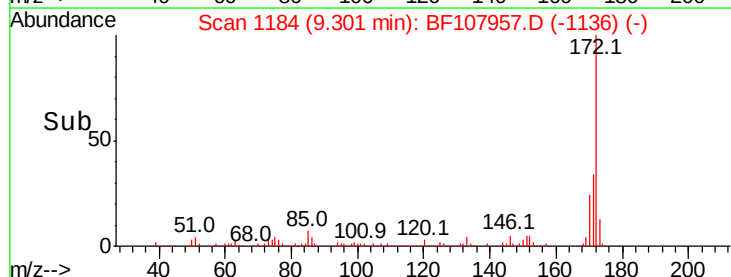
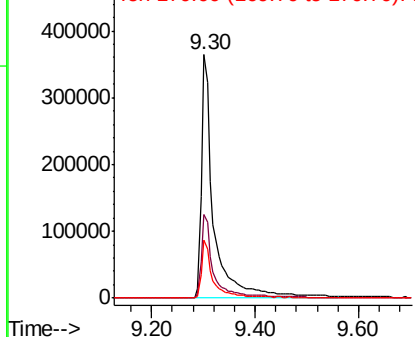
Lab File: BF107957.D

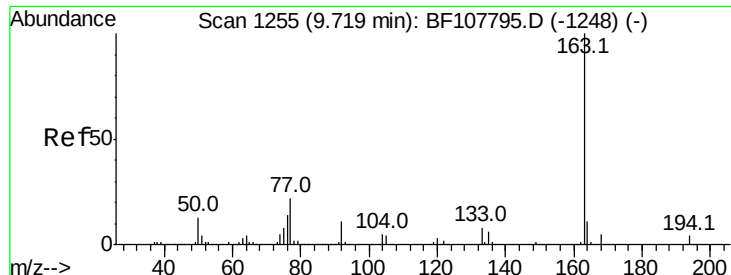
Acq: 4 Aug 2018 00:04

Tgt Ion:	172	Resp:	607986
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.7	44.5
170	23.8	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





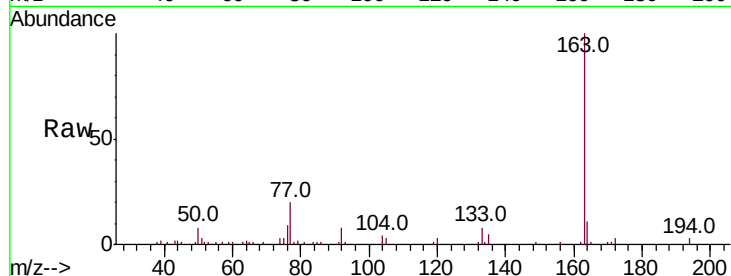
#49
Dimethylphthalate
Concen: 4.664 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampleId :
WC-1

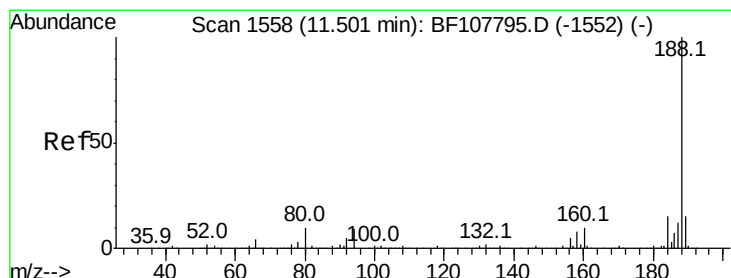
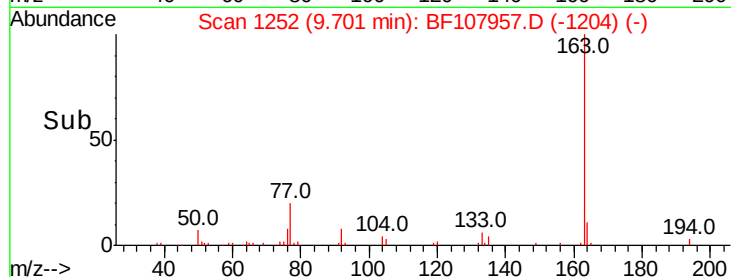
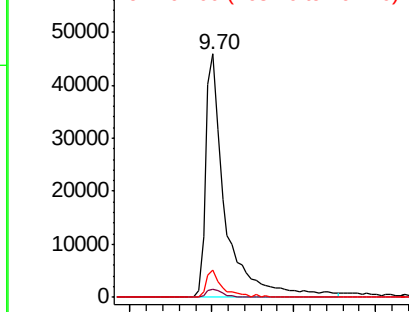
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	11.1	8.2	12.2

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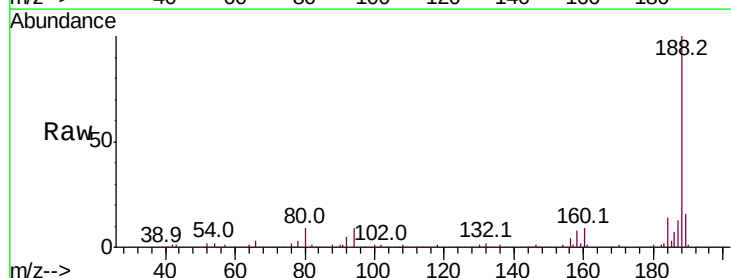


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

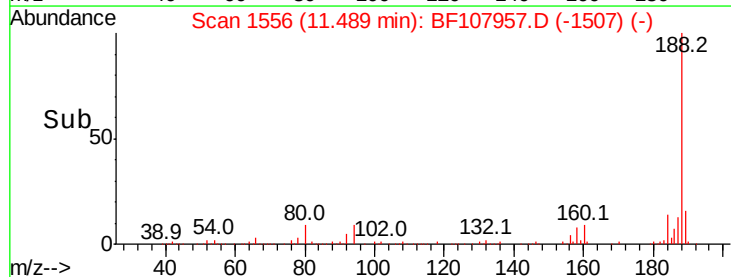
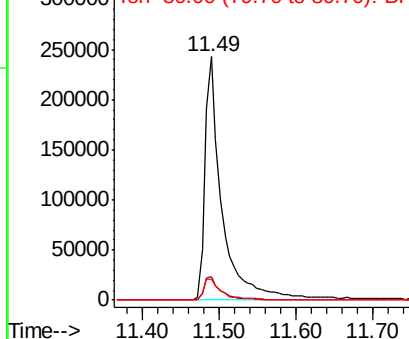


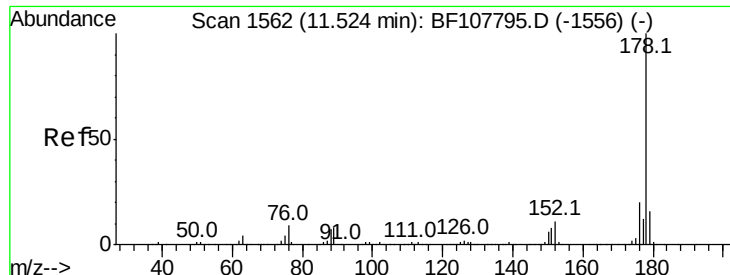
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	8.7	9.2	13.8#



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





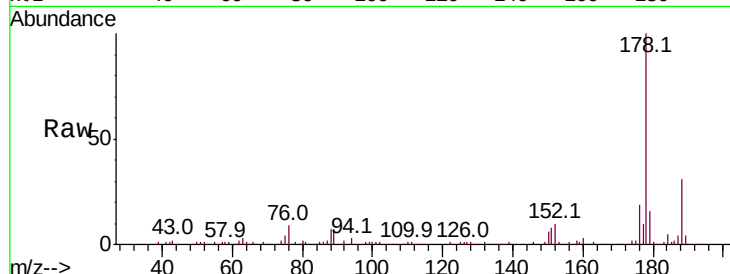
#70
Phenanthrene
Concen: 11.552 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
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WC-1

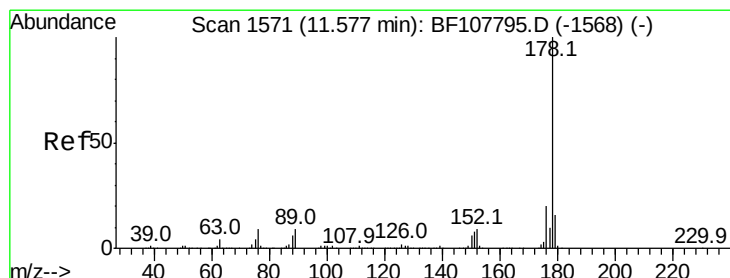
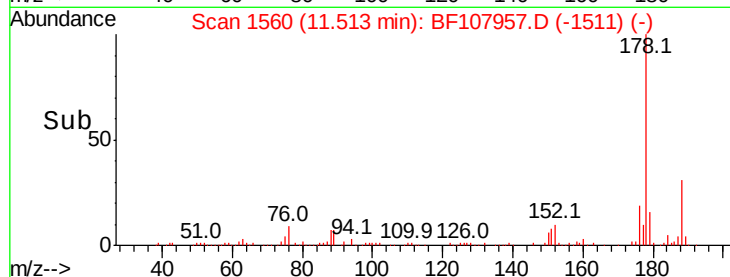
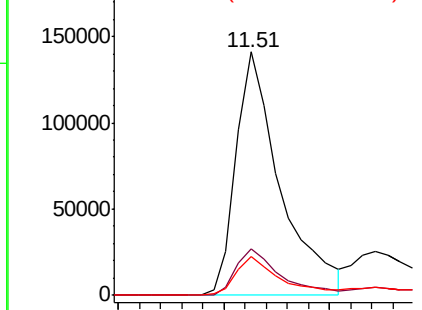
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	13.0	19.6

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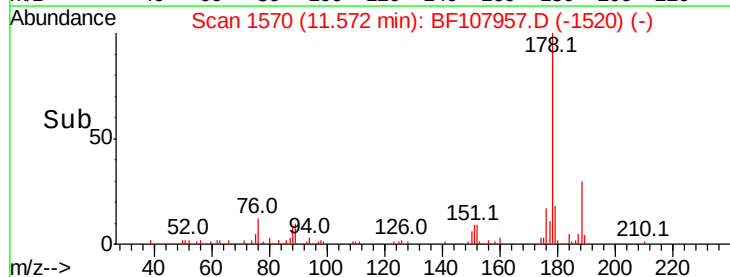
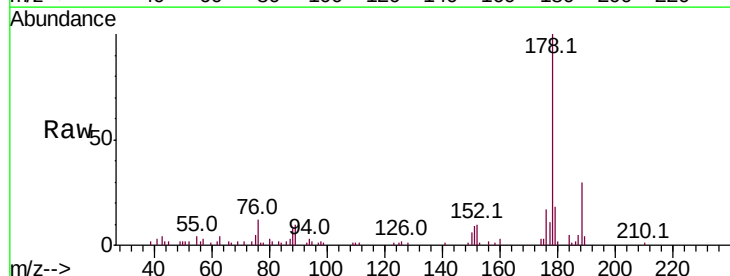
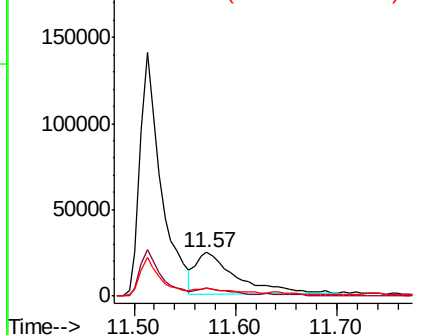
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

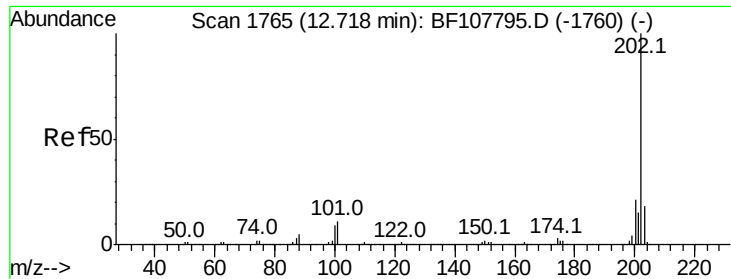


#71
Anthracene
Concen: 3.241 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	17.6	12.6	19.0

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





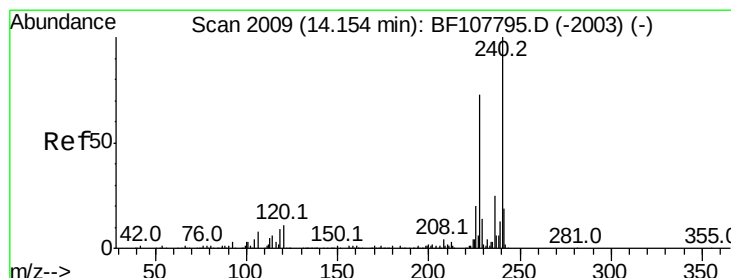
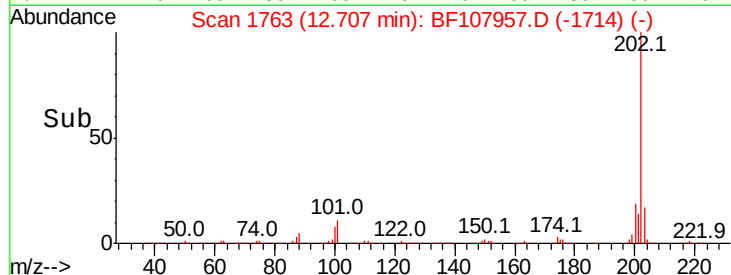
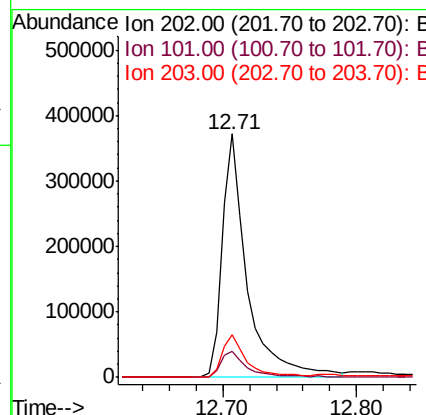
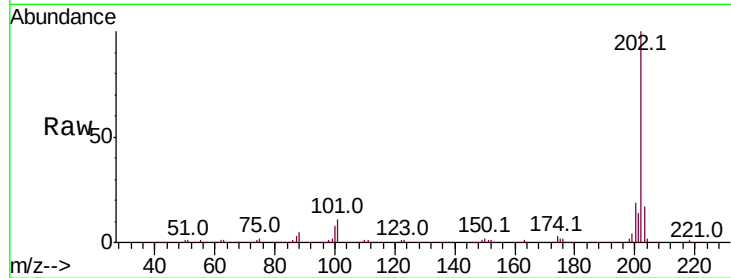
#74
 Fluoranthene
 Concen: 23.305 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107957.D
 Acq: 4 Aug 2018 00:04

Instrument :
 BNA_F
 ClientSampled :
 WC-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.4	0.0	38.1

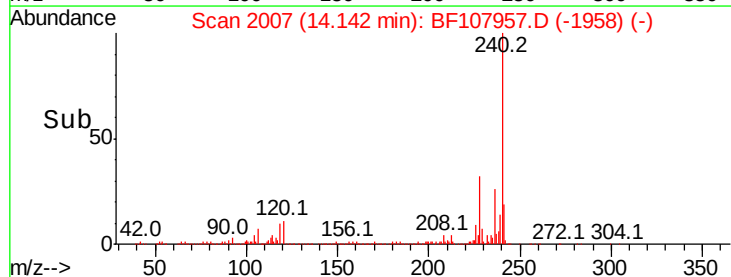
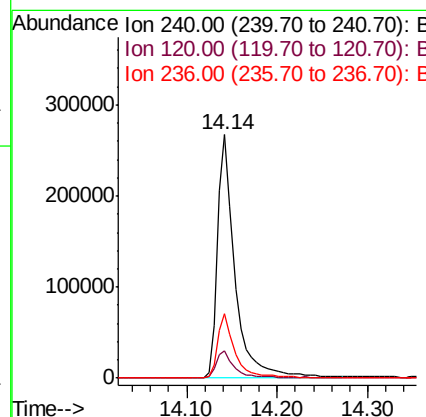
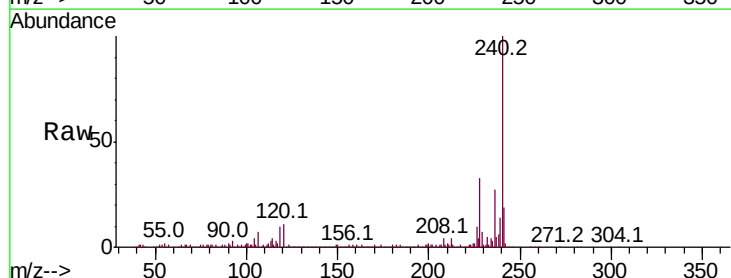
Manual Integrations
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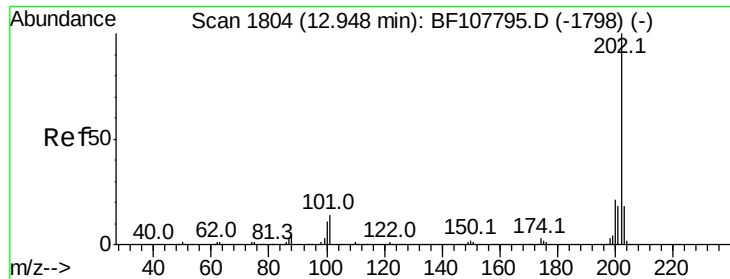
Sohil
 8/6/2018 5:05:58 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107957.D
 Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.6	20.7	31.1





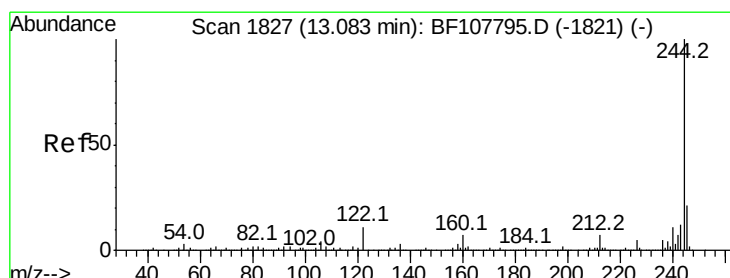
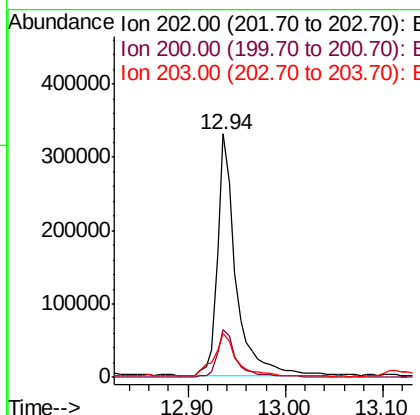
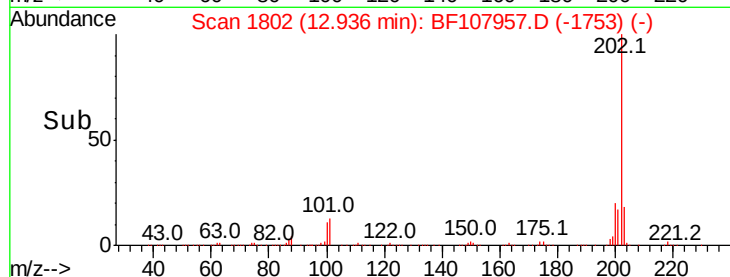
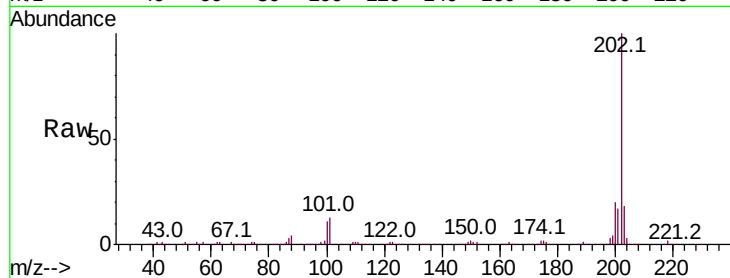
#77
Pvrene
Concen: 16.566 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	18.2	14.3	21.5

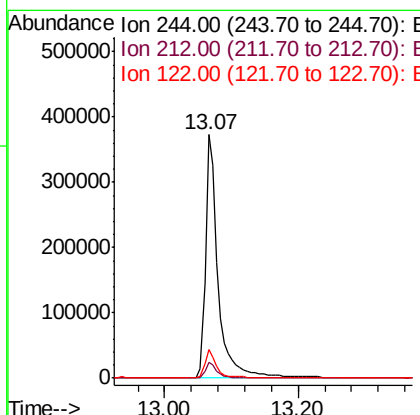
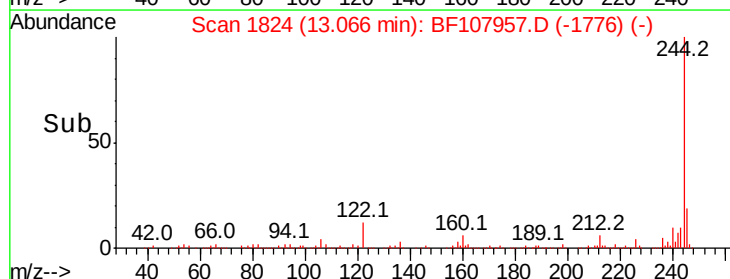
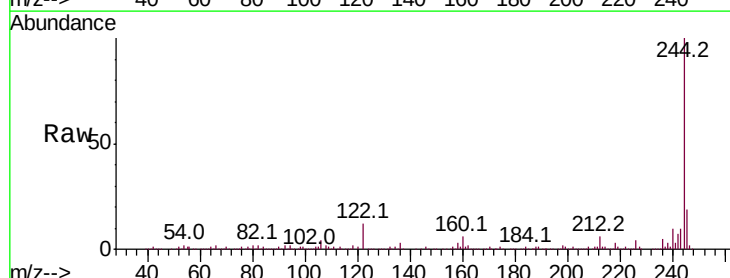
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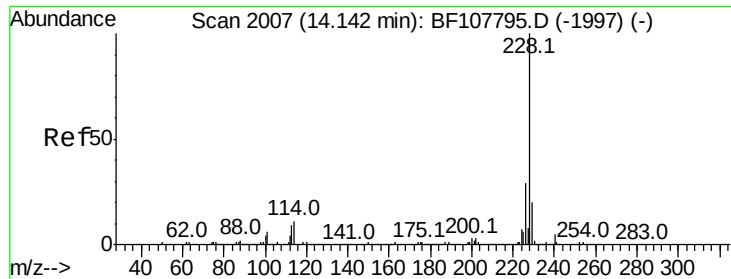
Sohil
8/6/2018 5:05:58 PM



#78
Terphenyl-d14
Concen: 29.249 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	11.6	11.0	16.4





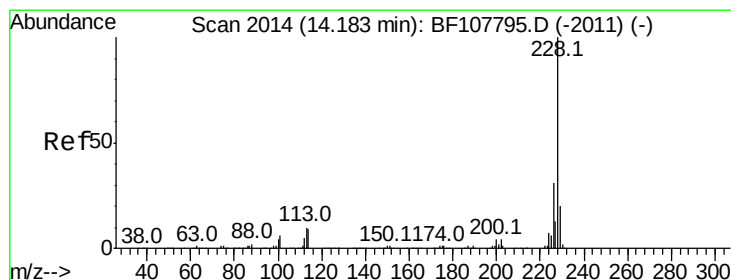
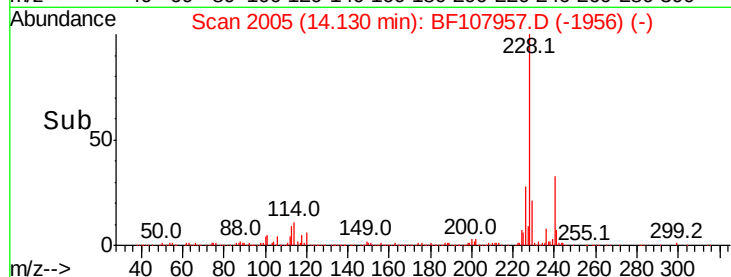
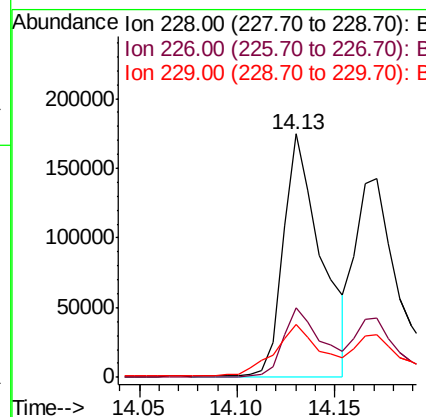
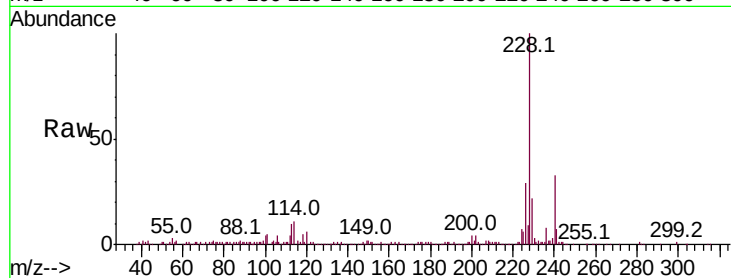
#80
Benzo(a)anthracene
Concen: 11.344 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.5	15.8	23.6

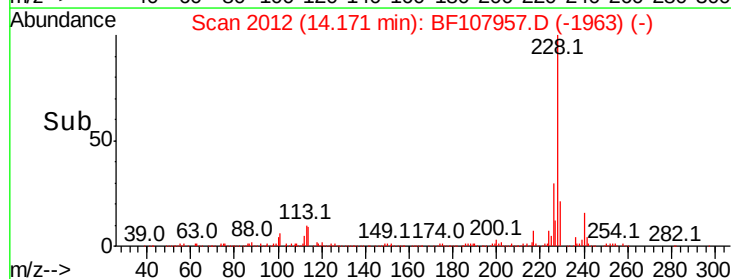
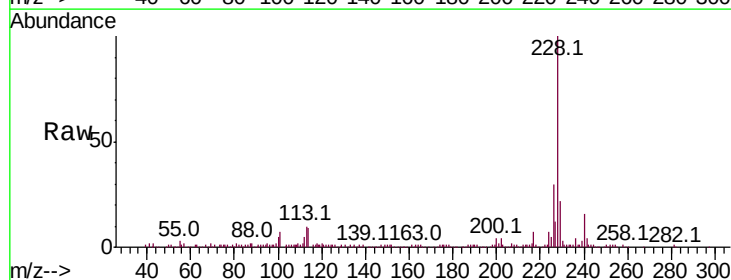
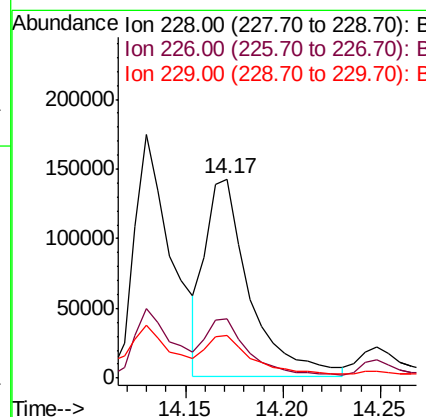
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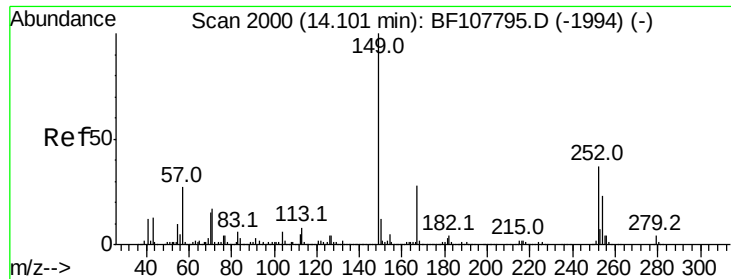
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#82
Chrysene
Concen: 10.081 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.6	16.2	24.4





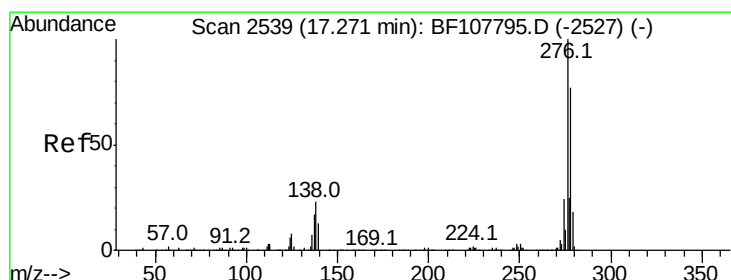
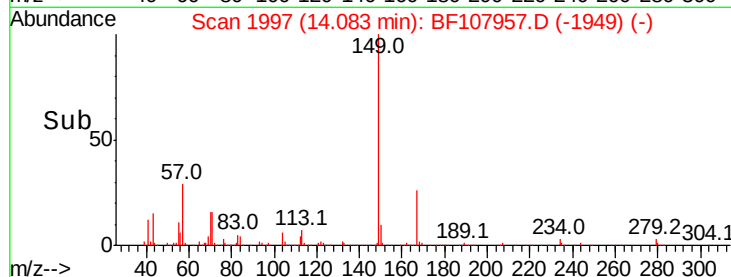
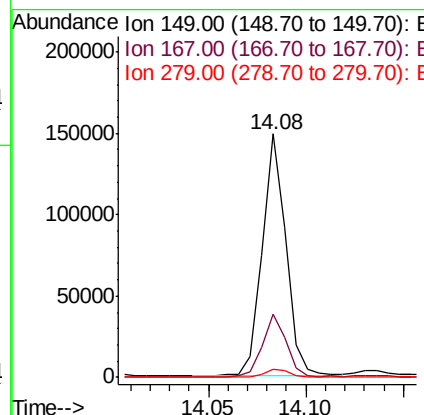
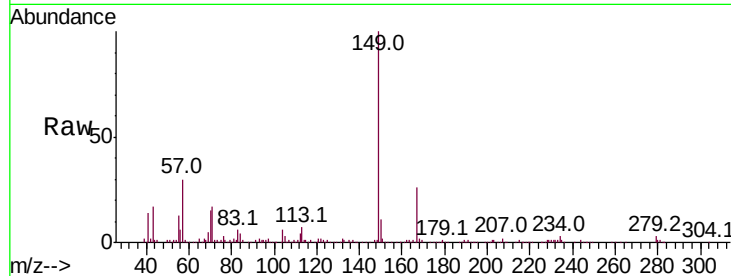
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.639 ng
 RT: 14.08 min Scan# 1997
 Delta R.T. -0.02 min
 Lab File: BF107957.D
 Acq: 4 Aug 2018 00:04

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.3	31.9
279	3.1	3.0	4.4

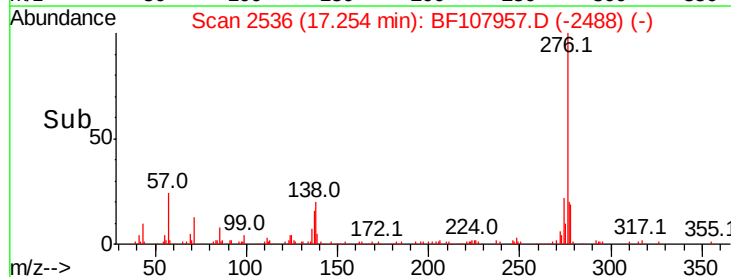
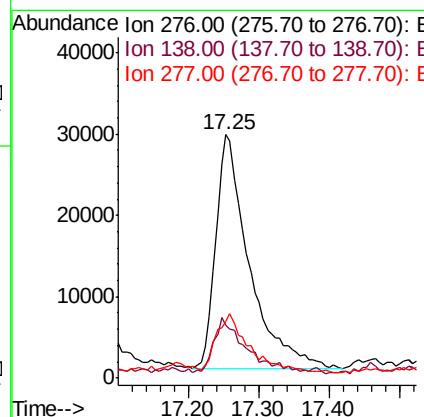
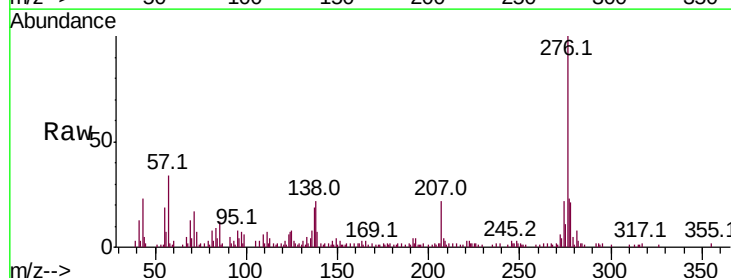
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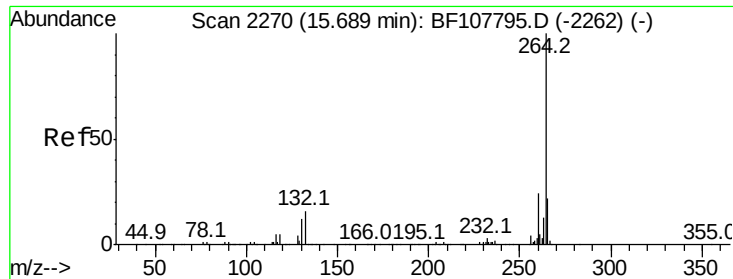
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.646 ng
 RT: 17.25 min Scan# 2536
 Delta R.T. -0.02 min
 Lab File: BF107957.D
 Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	25.0	37.6#
277	23.7	20.1	30.1





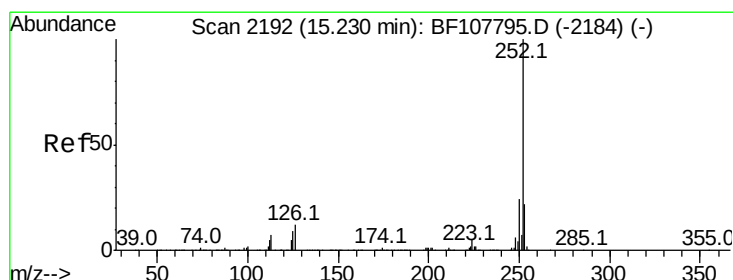
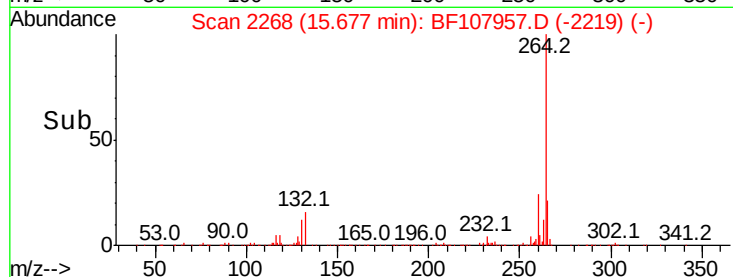
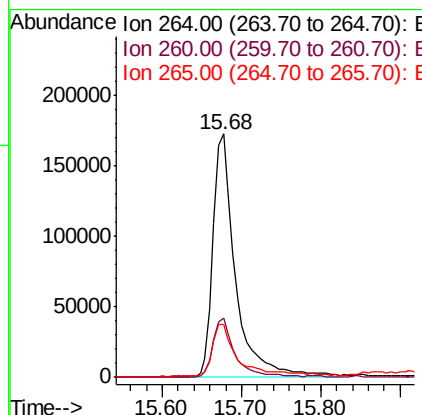
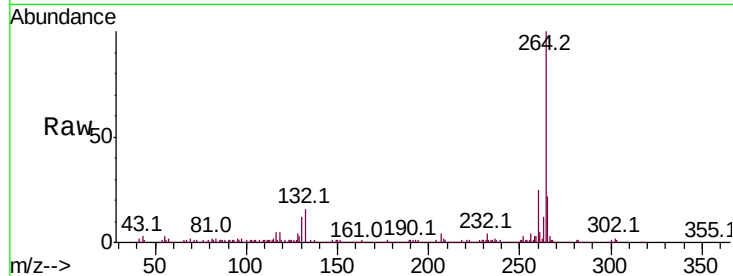
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion:	264	Resp:	339891
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.7	17.5	26.3

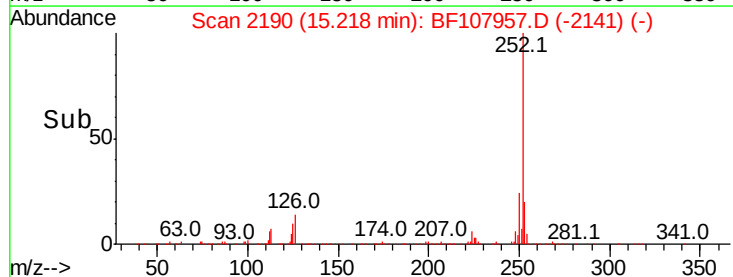
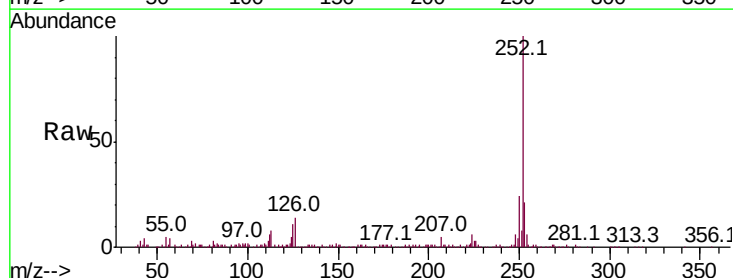
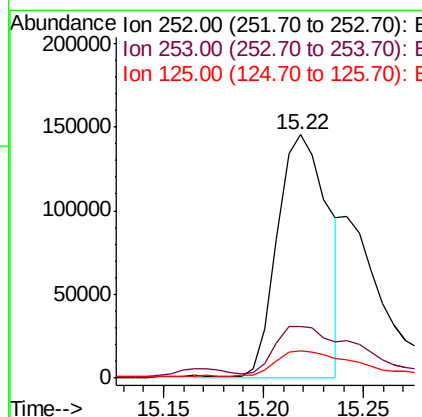
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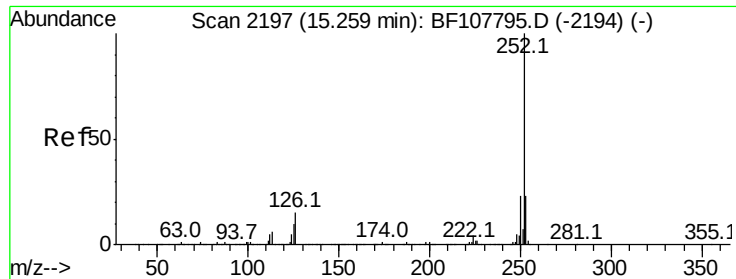
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#87
Benzo(b)fluoranthene
Concen: 15.512 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion:	252	Resp:	260041
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.0	25.6
125	11.2	9.0	13.6





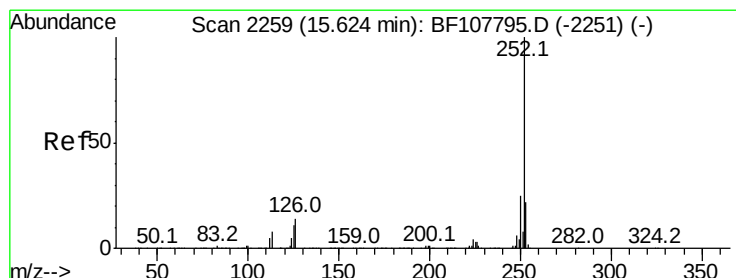
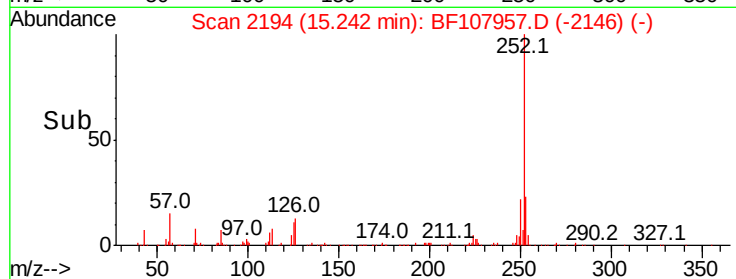
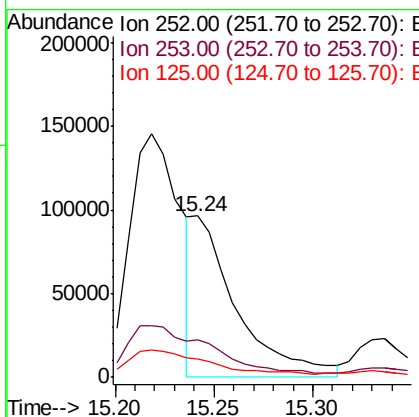
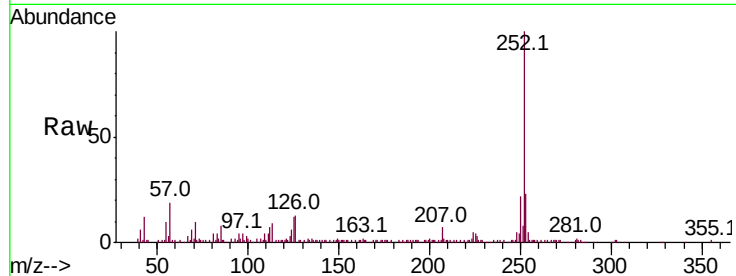
#88
Benzo(k)fluoranthene
Concen: 7.217 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Instrument :
BNA_F
ClientSampled :
WC-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	148544		
253	23.2		17.9	26.9
125	11.7		10.2	15.2

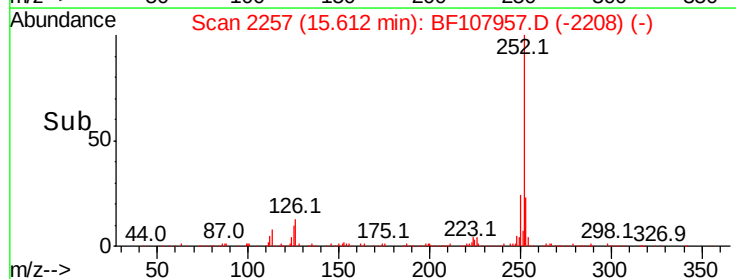
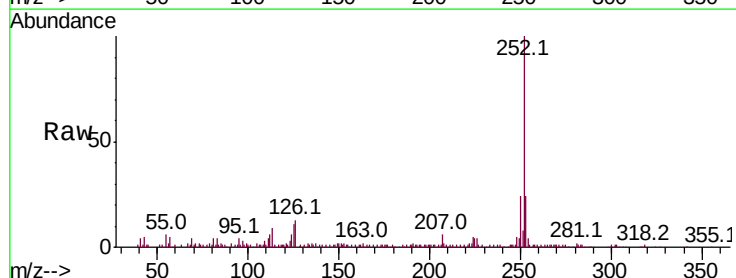
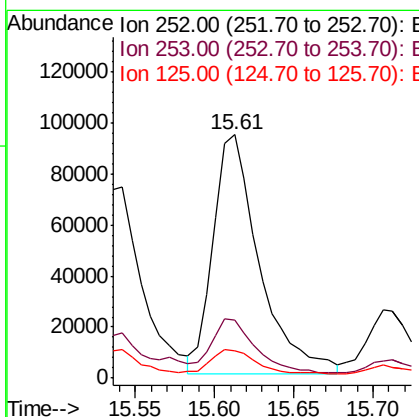
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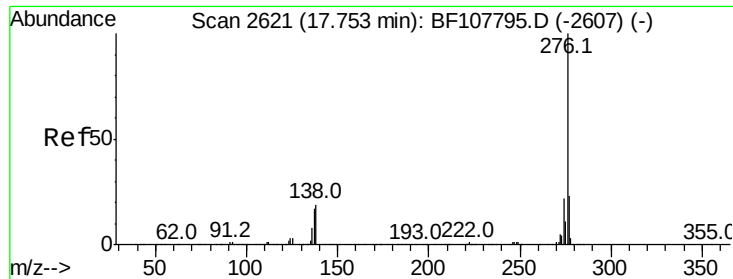
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#89
Benzo(a)pyrene
Concen: 11.026 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107957.D
Acq: 4 Aug 2018 00:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	190820		
253	23.6		17.1	25.7
125	11.4		9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.210 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. -0.02 min
 Lab File: BF107957.D
 Acq: 4 Aug 2018 00:04

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	23.3	21.8	32.8

Manual Integrations
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