

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107891.D
 Acq On : 1 Aug 2018 16:13
 Operator : JU/SJ
 Sample : J4164-09 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(3-5)

Manual Integrations
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Quant Time: Aug 02 09:00:37 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	6.96	152	130244	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	618558	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	253769	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	457030	20.00	ng	0.00
75) Chrysene-d12	14.15	240	375488	20.00	ng	0.00
86) Perylene-d12	15.69	264	445179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	139545m	18.21	ng	0.01
7) Phenol-d6	6.61	99	204664	20.26	ng	0.00
23) Nitrobenzene-d5	7.54	82	115038	10.71	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	57577	16.70	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	275204	15.11	ng	0.00
78) Terphenyl-d14	13.08	244	209484	12.10	ng	0.00
Target Compounds						
57) Fluorene	10.55	166	41051	2.179	ng	Qvalue # 90
70) Phenanthrene	11.52	178	373213	17.198	ng	98
71) Anthracene	11.58	178	134794	5.385	ng	98
74) Fluoranthene	12.72	202	603122	23.657	ng	96
77) Pyrene	12.95	202	525308	19.428	ng	97
80) Benzo(a)anthracene	14.14	228	298509	14.034	ng	98
82) Chrysene	14.18	228	237980	10.373	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	138435	7.933	ng	# 85
87) Benzo(b)fluoranthene	15.23	252	308027m	14.029	ng	
88) Benzo(k)fluoranthene	15.25	252	154183m	5.720	ng	
89) Benzo(a)pyrene	15.62	252	265050	11.693	ng	96
91) Benzo(a,h,i)perylene	17.75	276	122854	6.422	ng	94

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

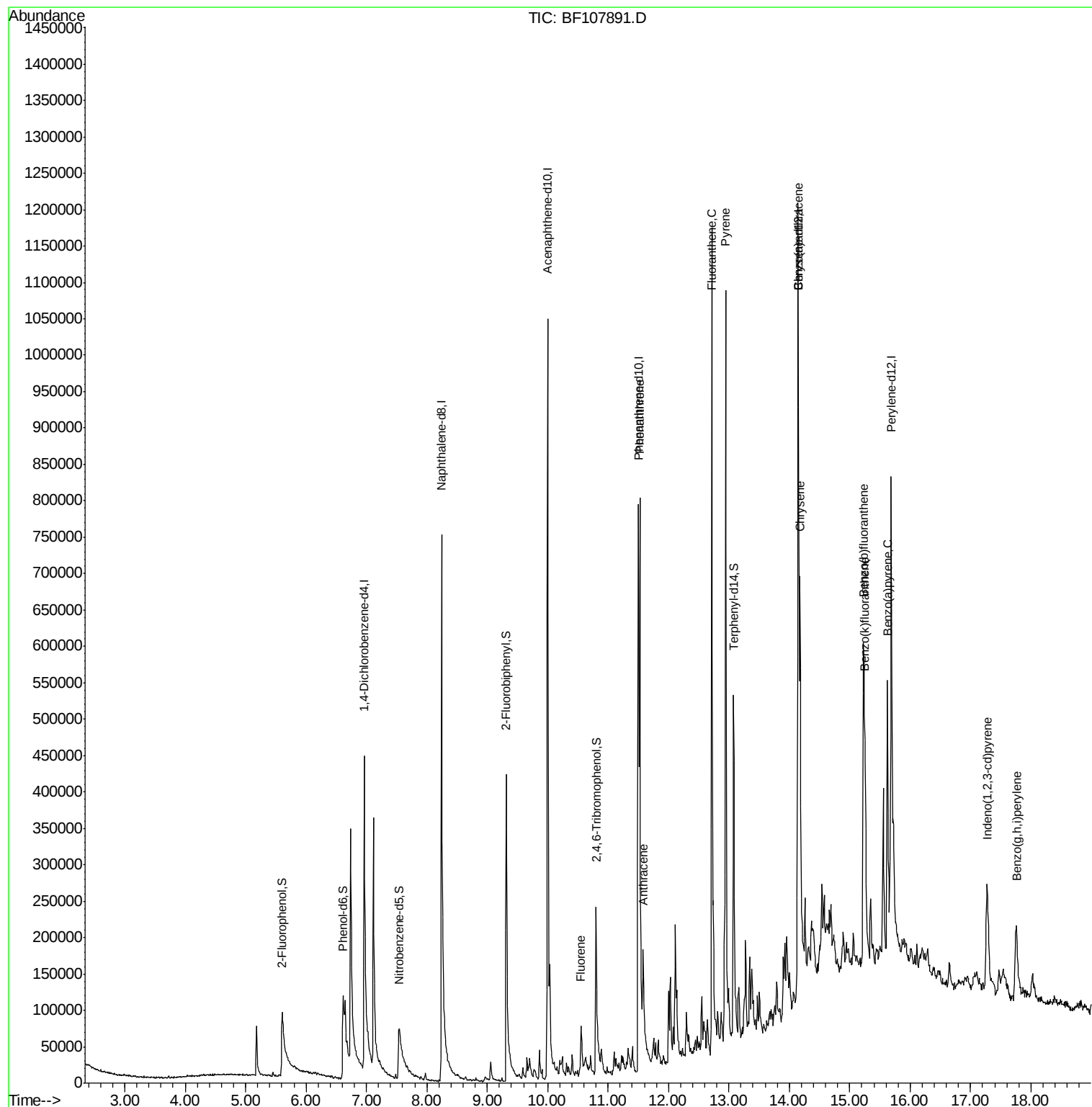
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107891.D
Acq On : 1 Aug 2018 16:13
Operator : JU/SJ
Sample : J4164-09 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

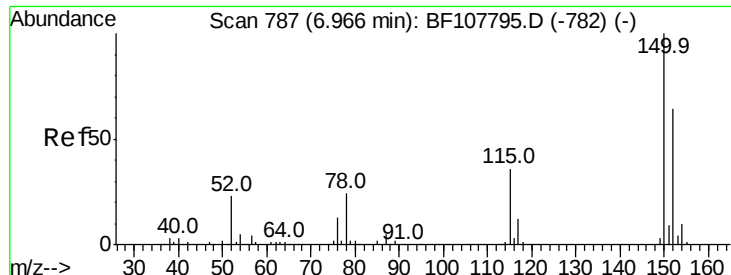
Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Quant Time: Aug 02 09:00:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

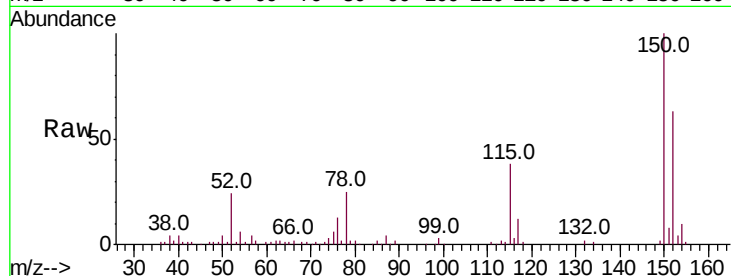
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	59.6	50.1	75.1

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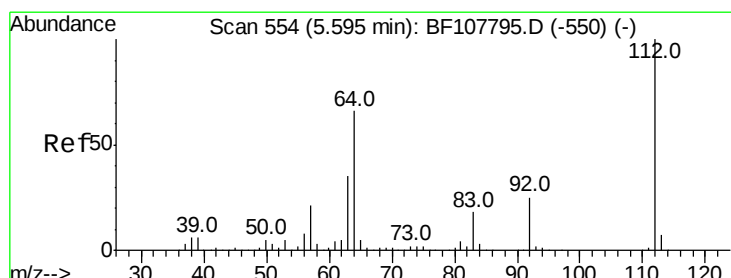
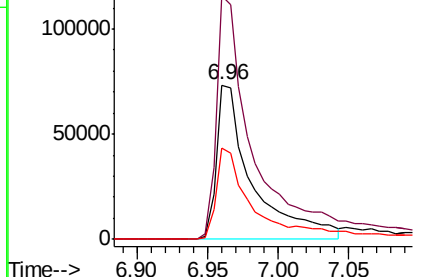
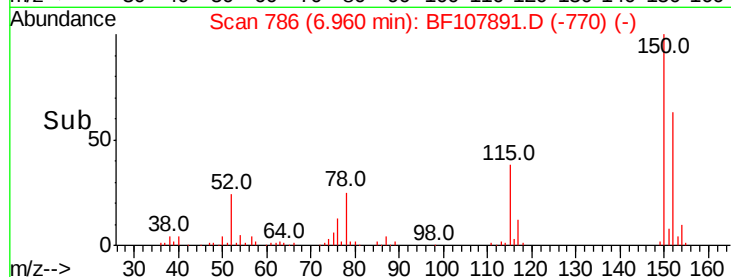


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

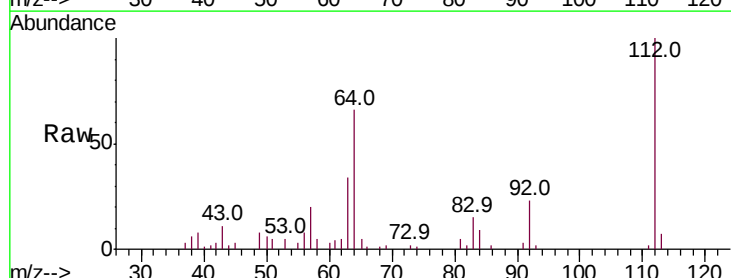
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.209 ng m
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	33.9	23.7	35.5

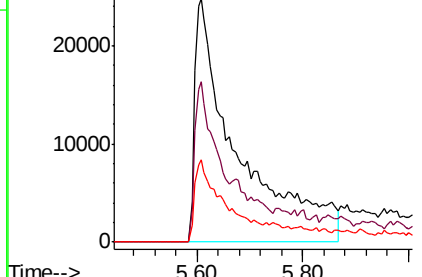
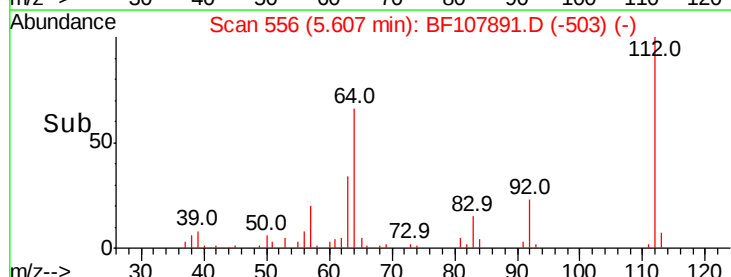


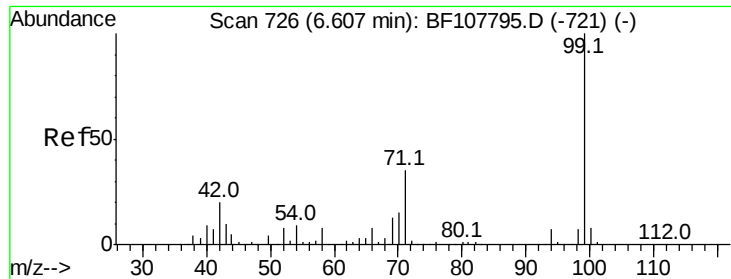
Abundance

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: 20.264 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107891.D

Acq: 1 Aug 2018 16:13

Instrument :

BNA_F

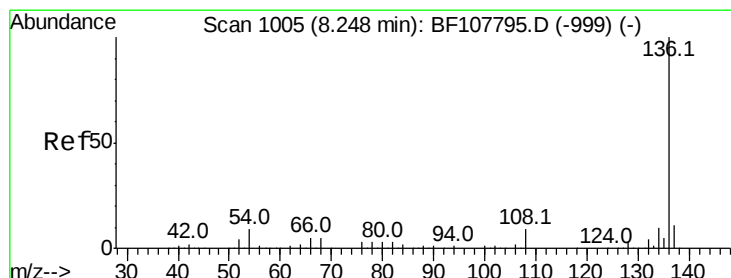
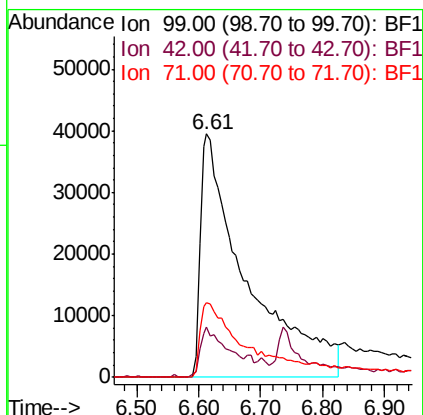
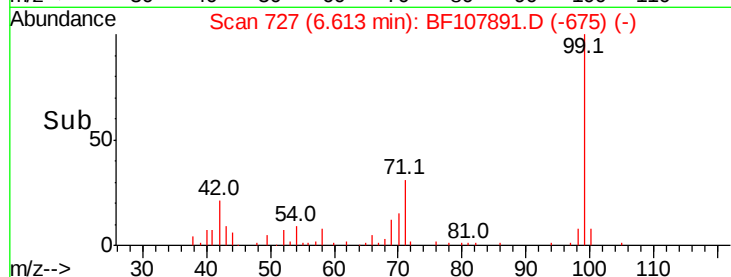
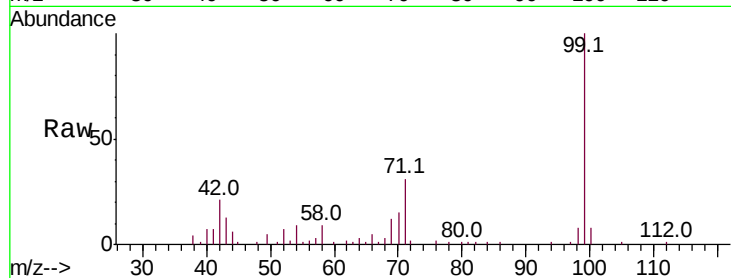
ClientSampled :

SB-2(3-5)

Tot Ion:	99	Resp:	204664
Ion Ratio	Lower	Upper	
99	100		
42	20.6	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

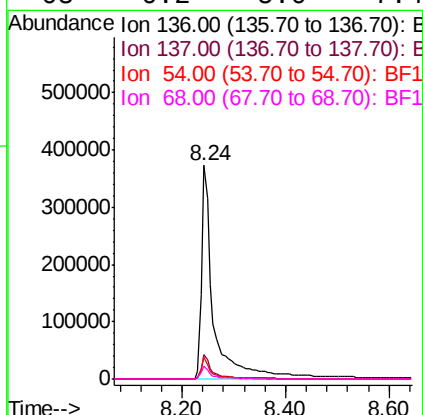
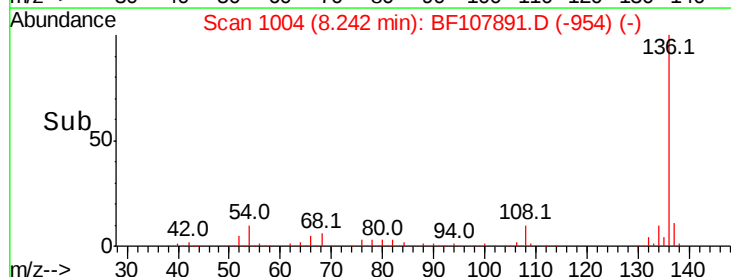
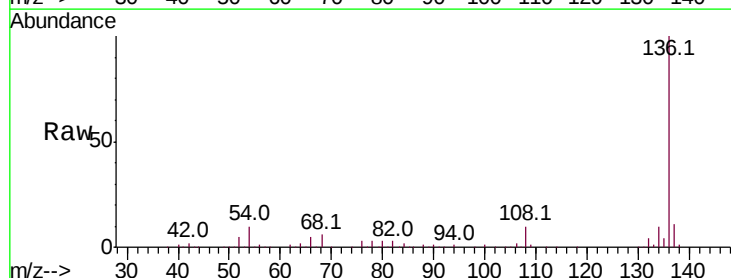
RT: 8.24 min Scan# 1004

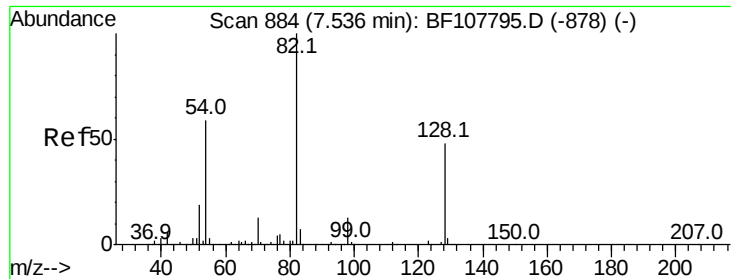
Delta R.T. -0.01 min

Lab File: BF107891.D

Acq: 1 Aug 2018 16:13

Tgt Ion:	136	Resp:	618558
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	6.2	5.0	7.4





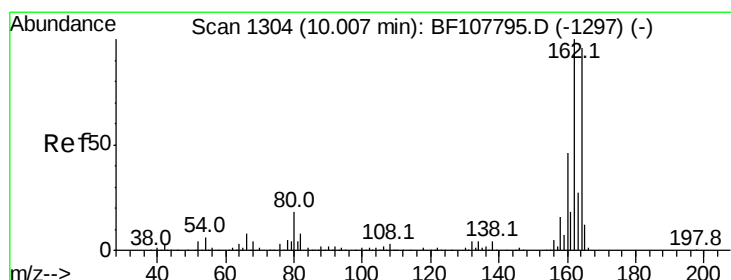
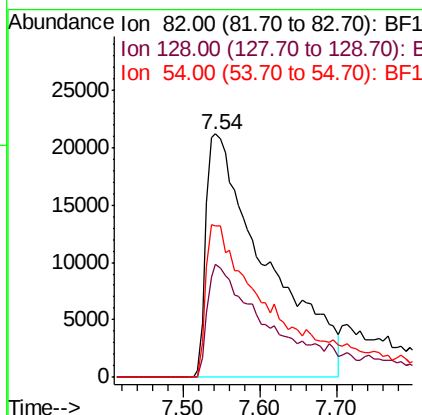
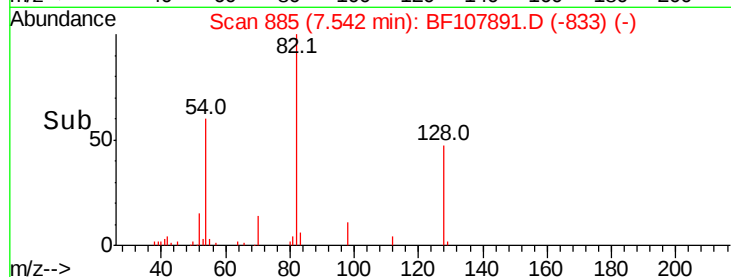
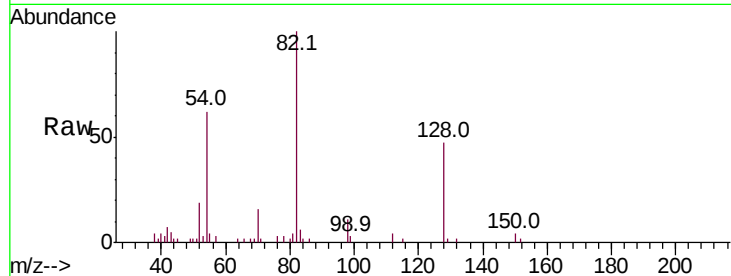
#23
Nitrobenzene-d5
Concen: 10.714 ng
RT: 7.54 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	62.1	41.4	62.2

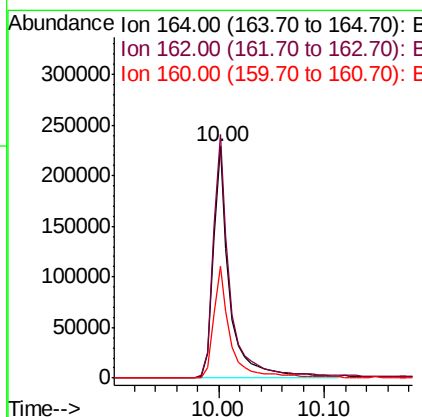
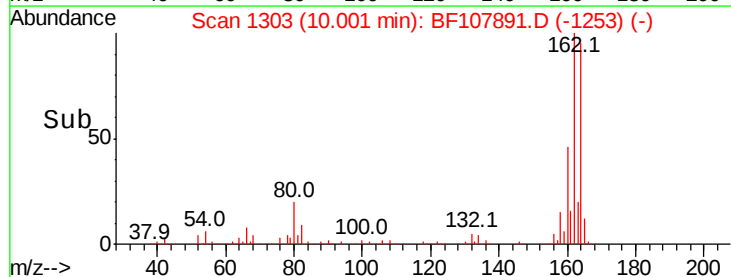
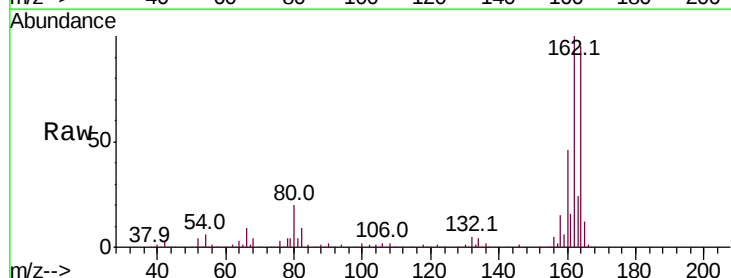
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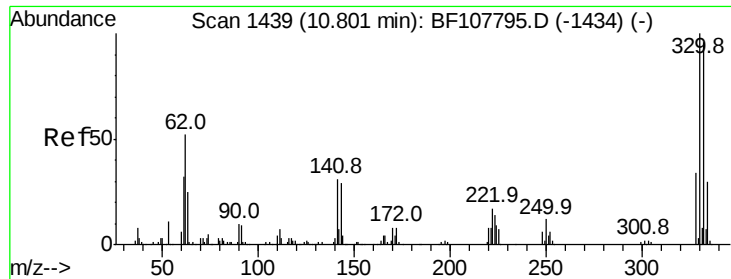
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	48.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 16.698 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107891.D

Acq: 1 Aug 2018 16:13

Instrument :

BNA_F

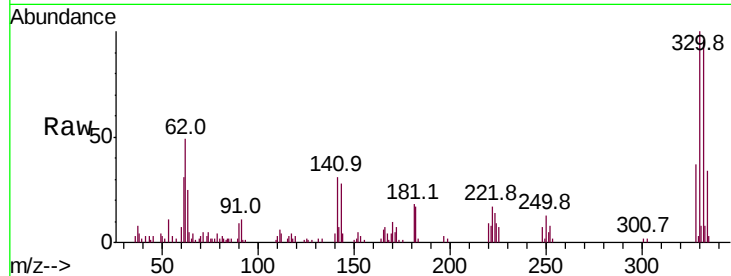
ClientSampleId :

SB-2(3-5)

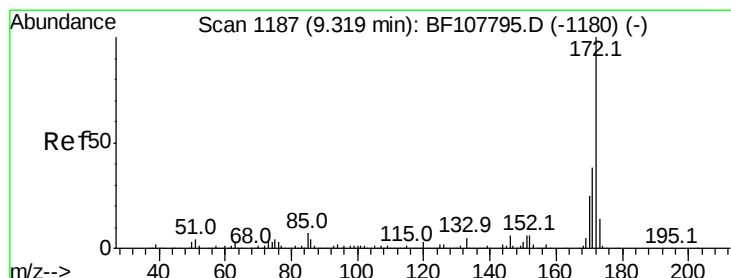
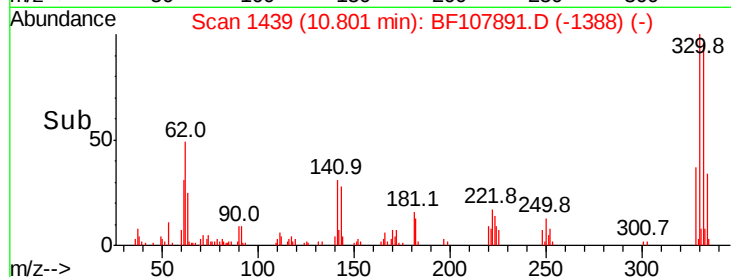
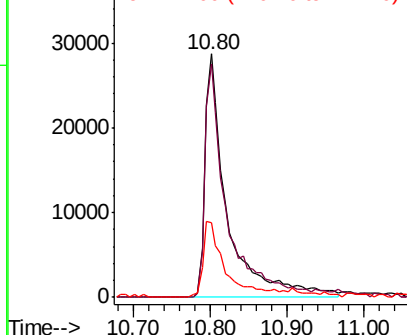
Tot Ion:	330	Resp:	57577
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.0	115.6
141	30.2	29.9	44.9

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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: 15.112 ng

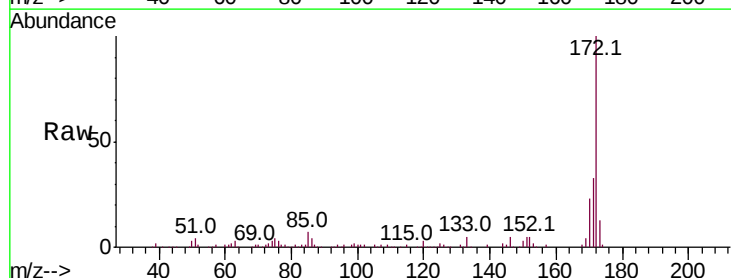
RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

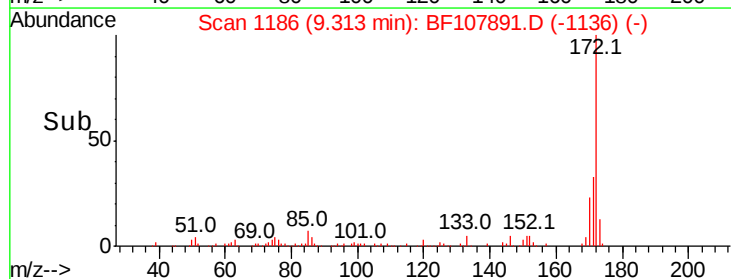
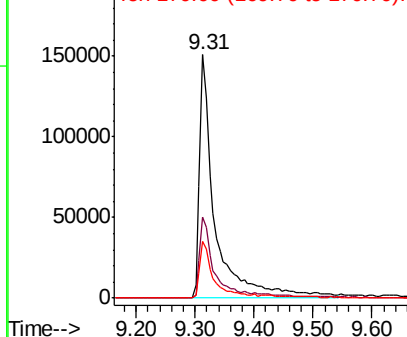
Lab File: BF107891.D

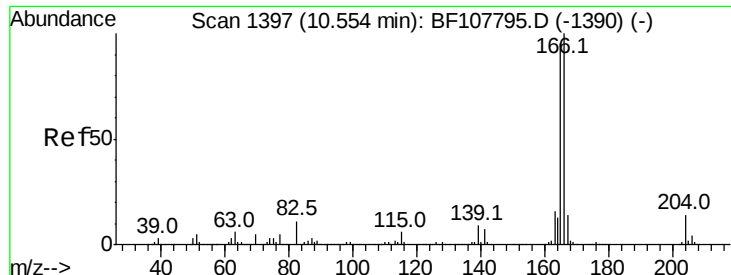
Acq: 1 Aug 2018 16:13

Tgt Ion:	172	Resp:	275204
Ion Ratio	Lower	Upper	
172	100		
171	33.4	29.7	44.5
170	23.4	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





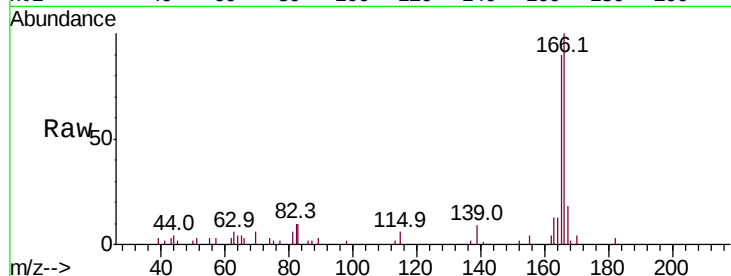
#57
Fluorene
 Concen: 2.179 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF107891.D
 Acq: 1 Aug 2018 16:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(3-5)

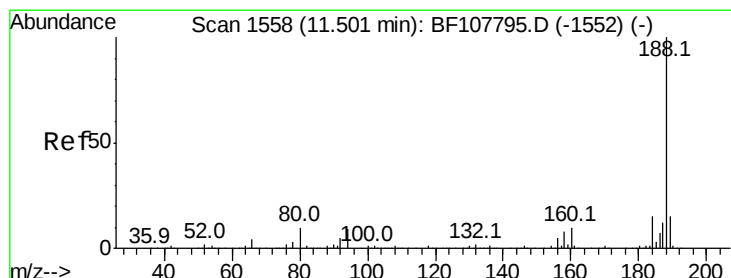
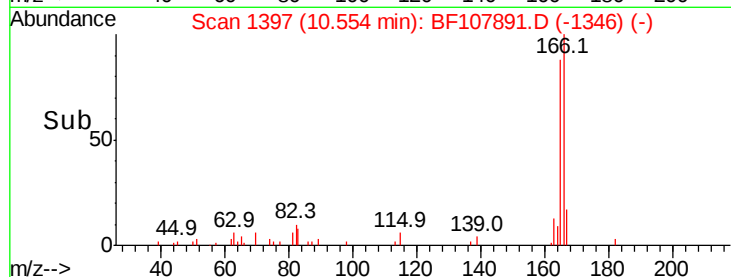
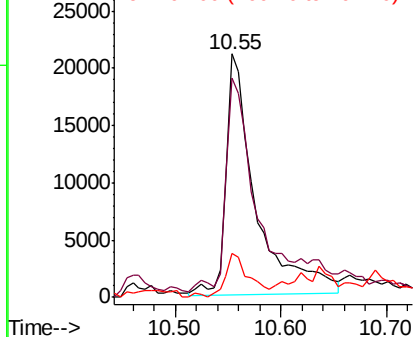
Tot Ion	Ratio	Lower	Upper
166	100		
165	90.0	79.8	119.8
167	18.3	10.6	16.0

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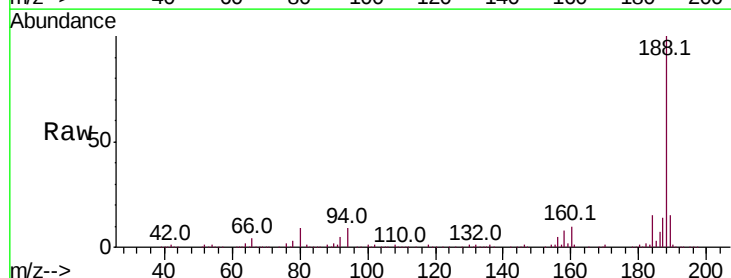


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

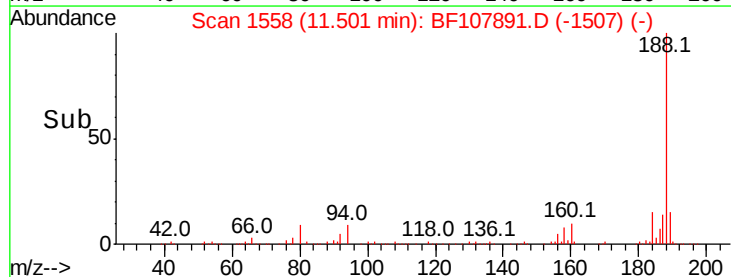
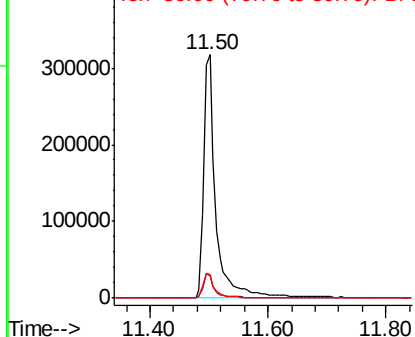


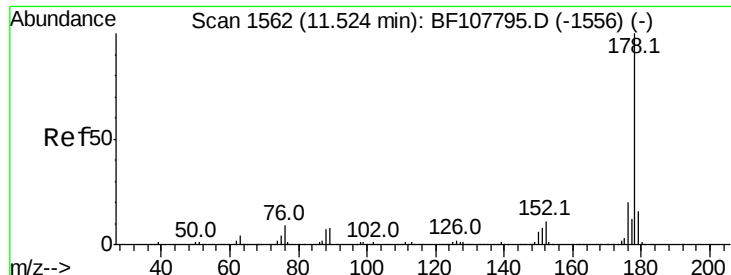
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107891.D
 Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.5	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





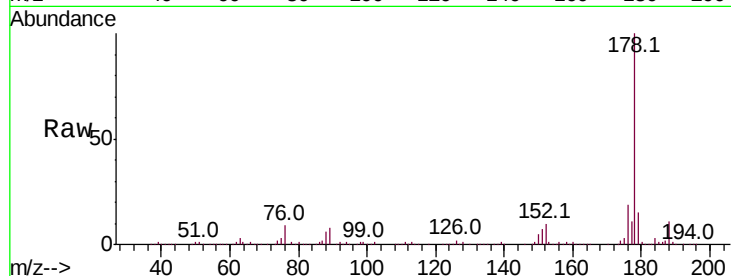
#70
Phenanthrene
Concen: 17.198 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6

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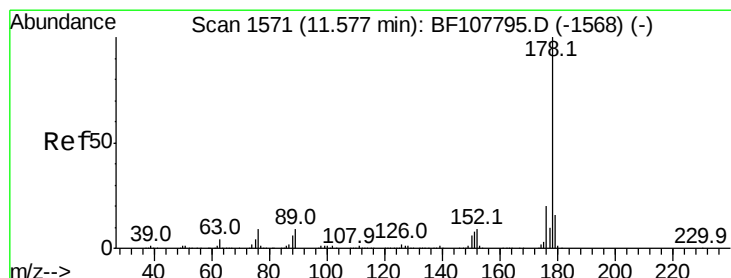
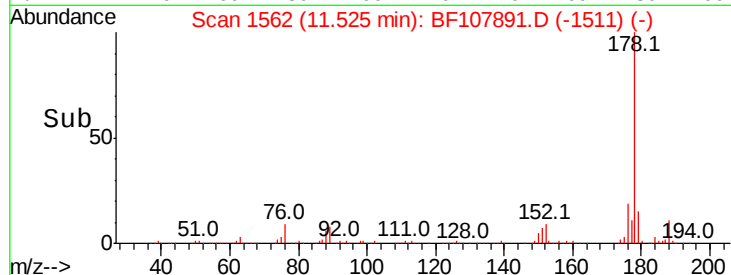
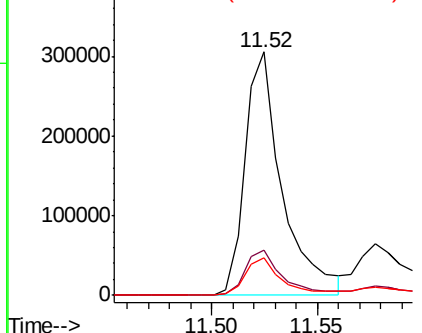


Abundance

Ion 178.00 (177.70 to 178.70): E

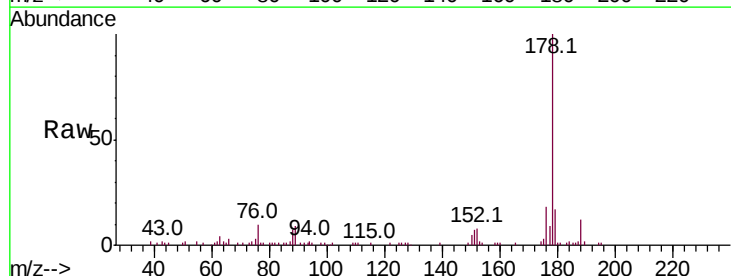
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71
Anthracene
Concen: 5.385 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.8	12.6	19.0

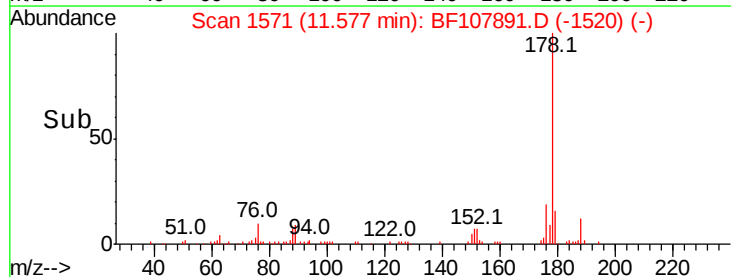
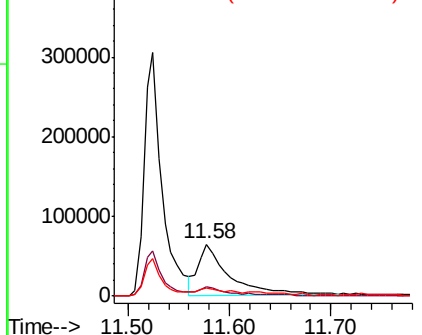


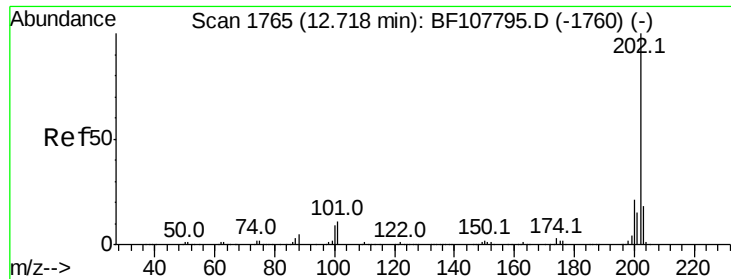
Abundance

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: 23.657 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF107891.D

Acq: 1 Aug 2018 16:13

Instrument :

BNA_F

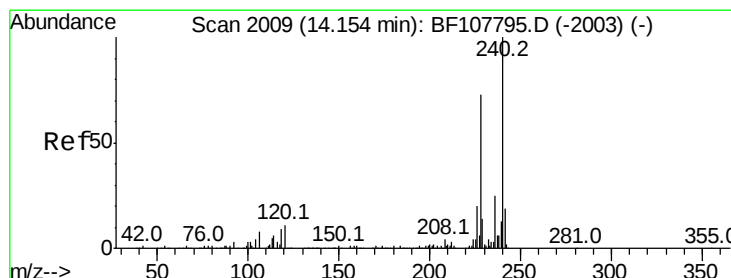
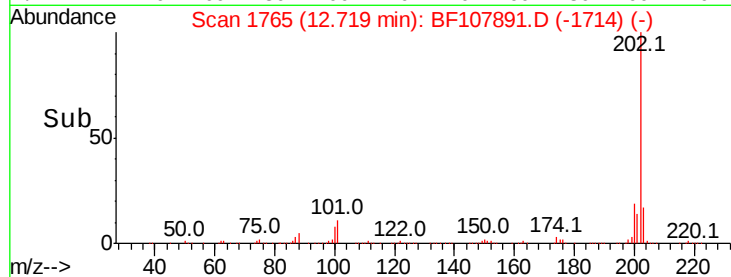
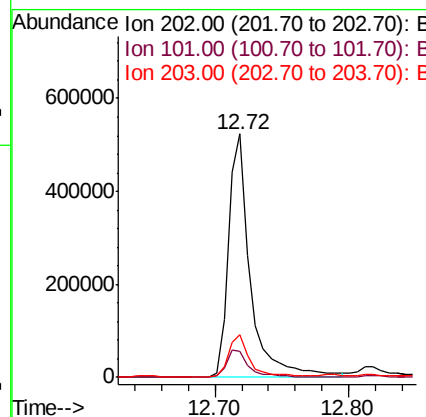
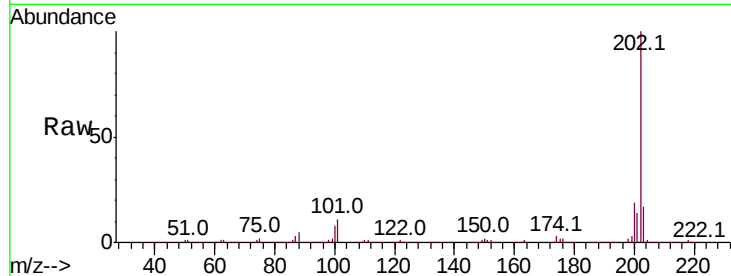
ClientSampleId :

SB-2(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	603122		
101	10.9	0.0	34.1	
203	17.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

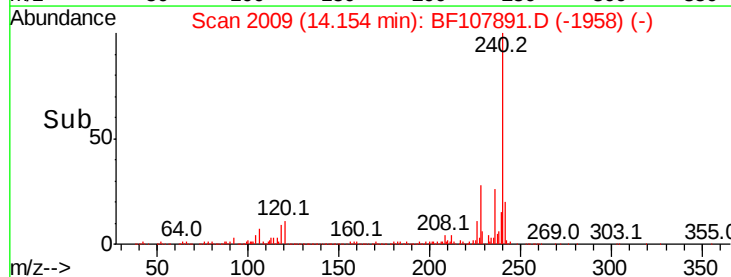
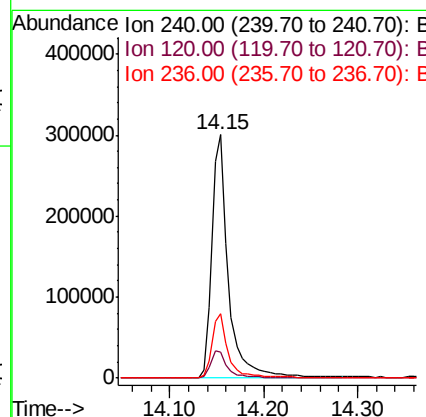
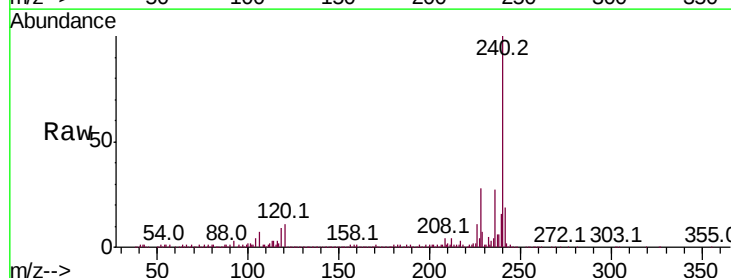
RT: 14.15 min Scan# 2009

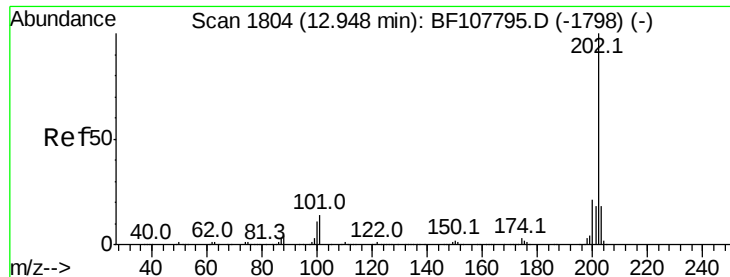
Delta R.T. 0.00 min

Lab File: BF107891.D

Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	375488		
120	10.8	9.5	14.3	
236	26.5	20.7	31.1	





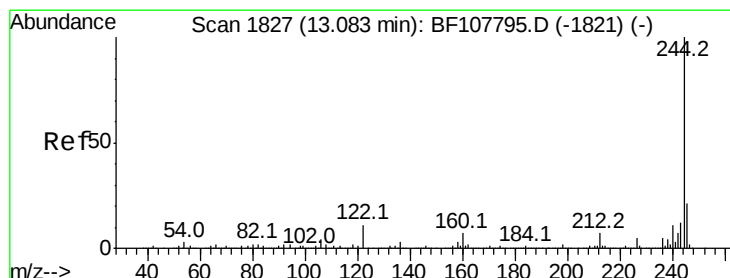
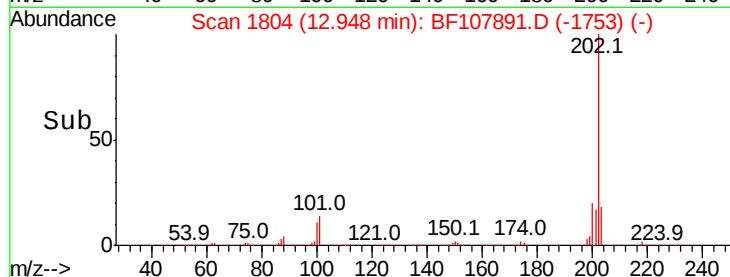
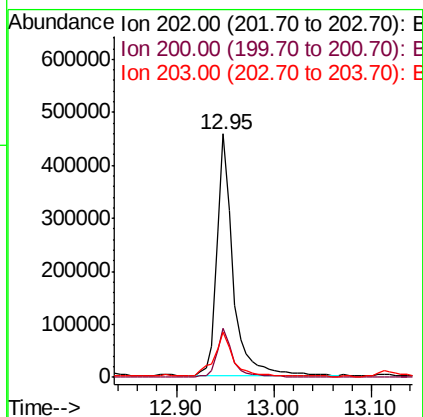
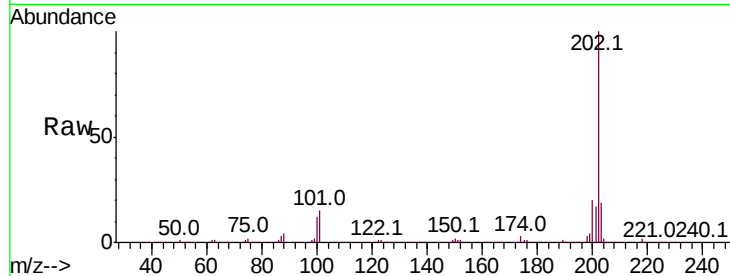
#77
Pvrene
Concen: 19.428 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	18.7	14.3	21.5

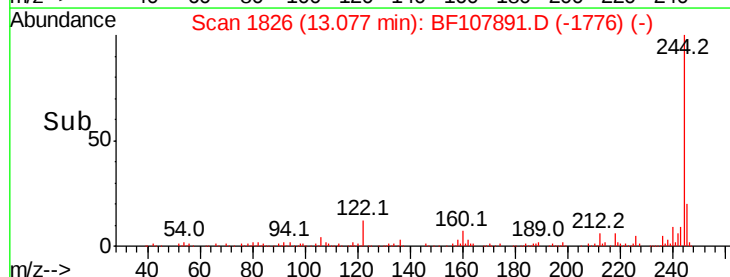
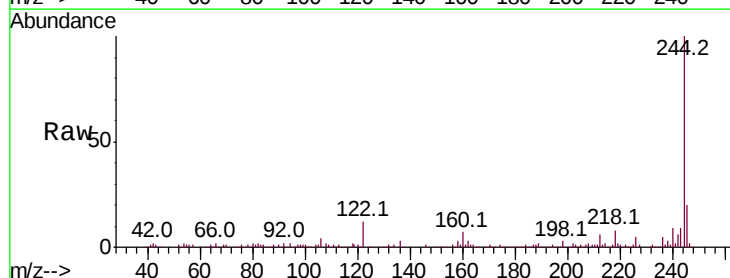
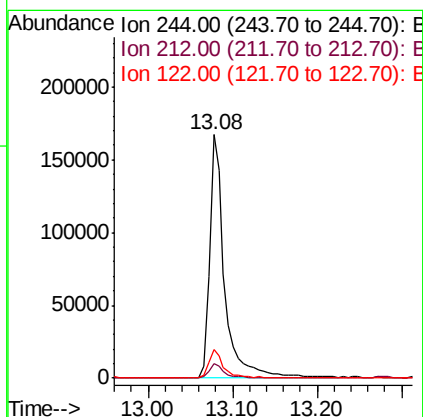
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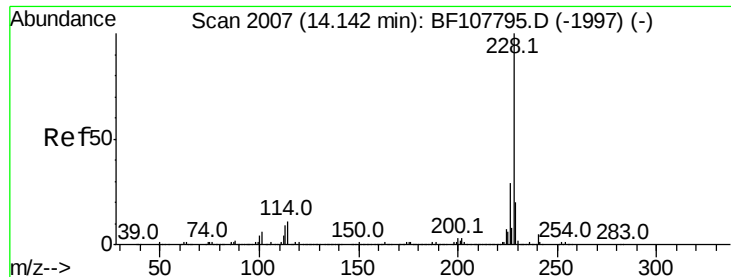
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#78
Terphenyl-d14
Concen: 12.098 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	11.9	11.0	16.4





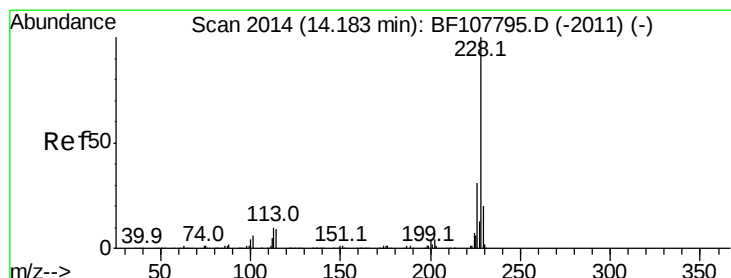
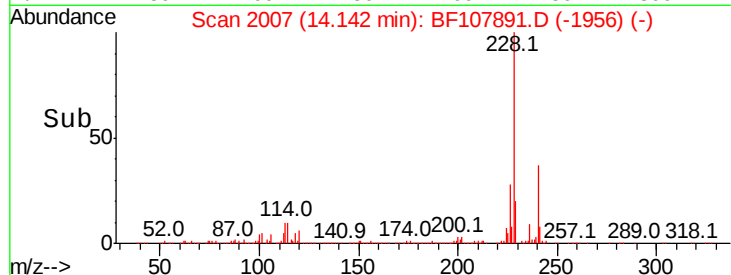
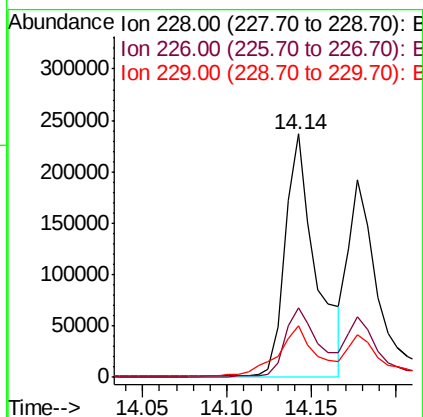
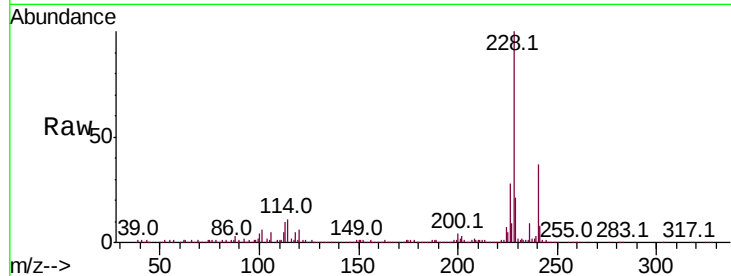
#80
Benzo(a)anthracene
Concen: 14.034 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.1	15.8	23.6

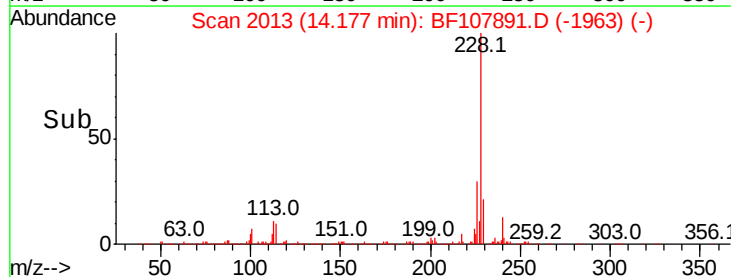
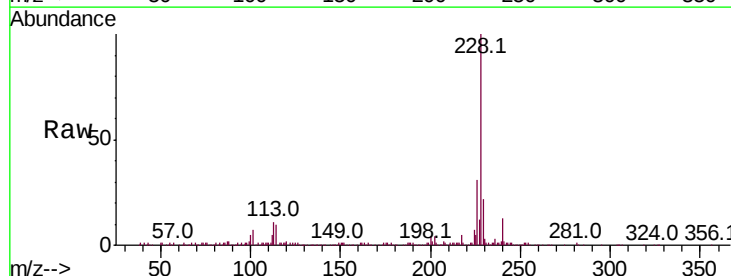
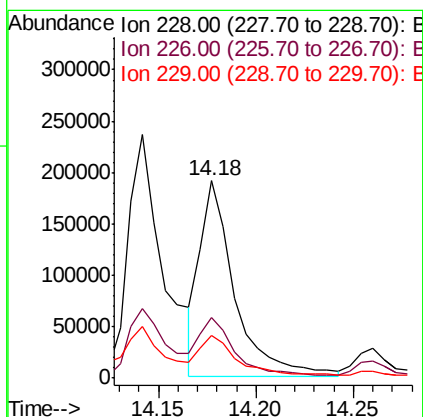
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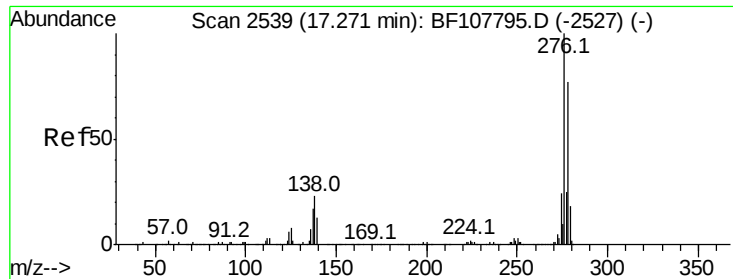
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#82
Chrysene
Concen: 10.373 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.7	16.2	24.4





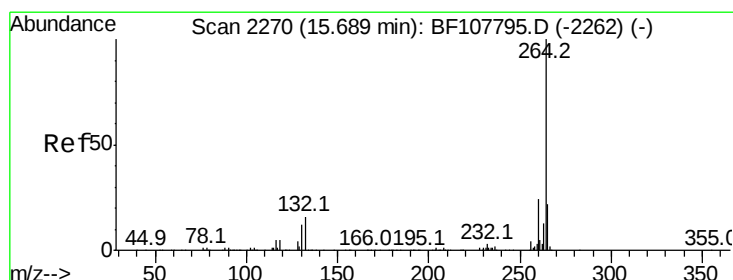
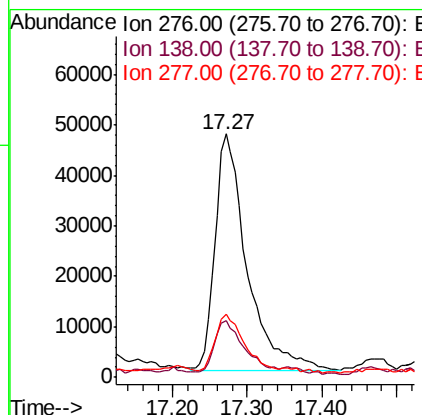
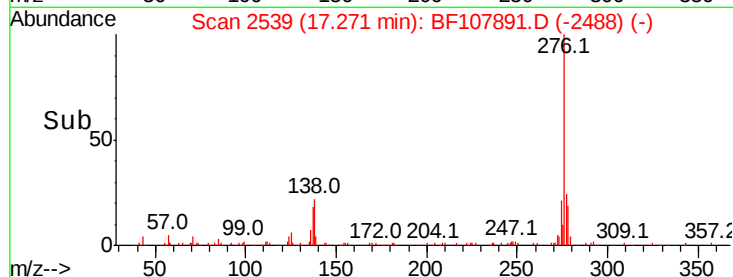
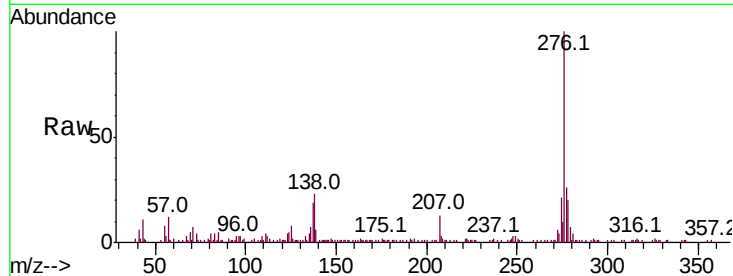
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.933 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	21.0	20.1	30.1

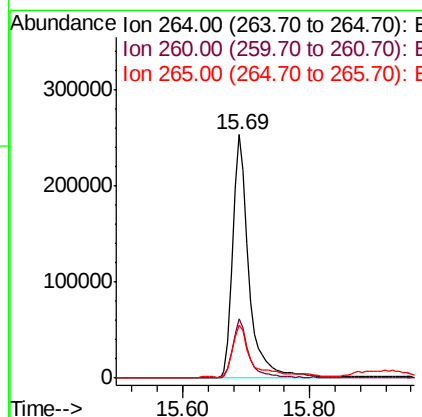
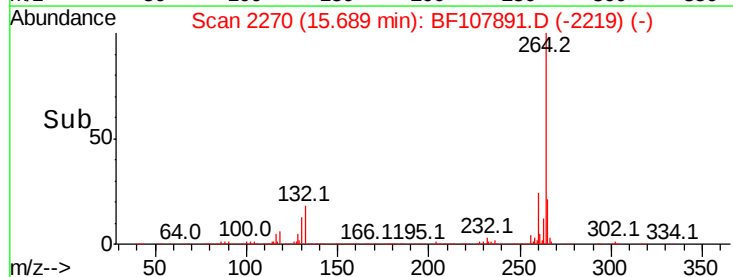
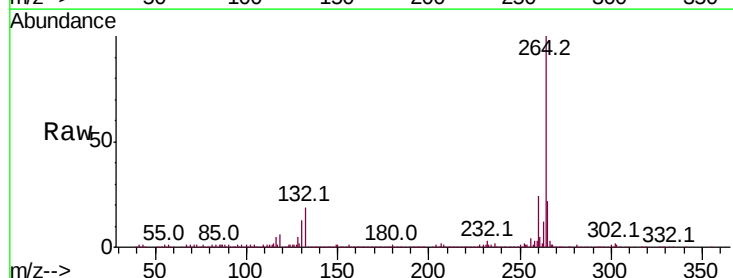
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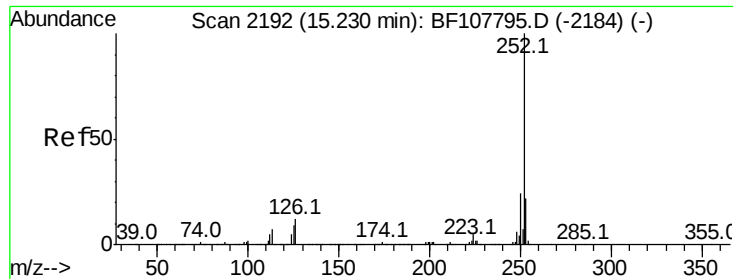
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.6	17.5	26.3





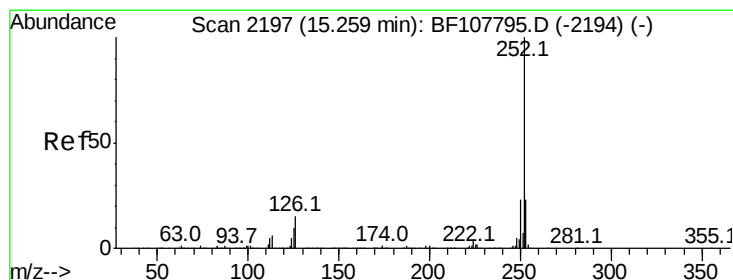
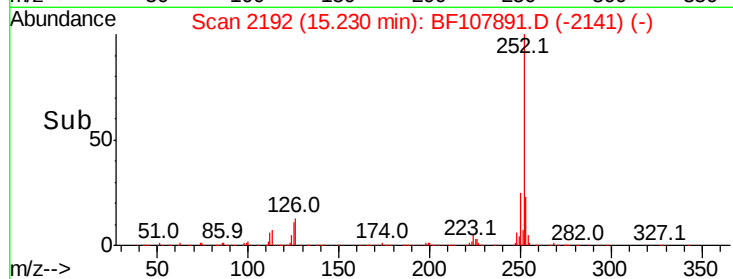
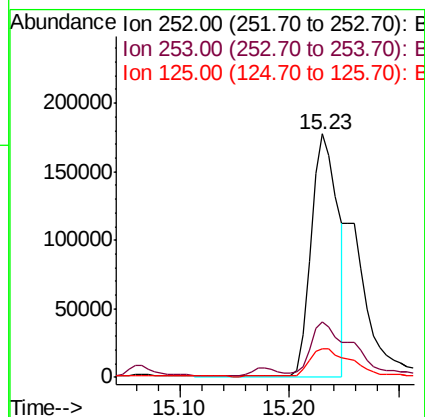
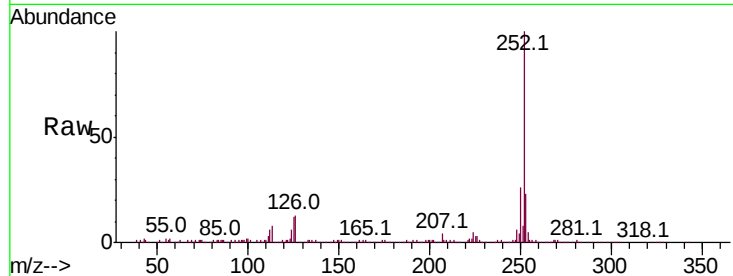
#87
Benzo(b)fluoranthene
Concen: 14.029 ng m
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.5	9.0	13.6

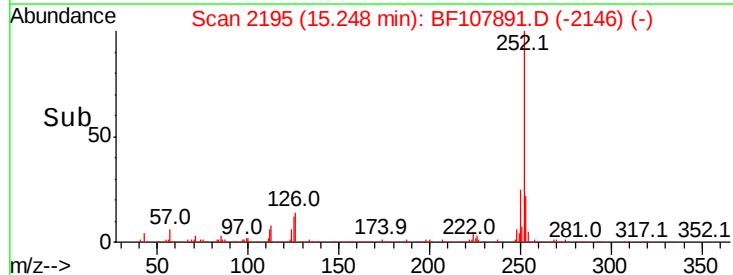
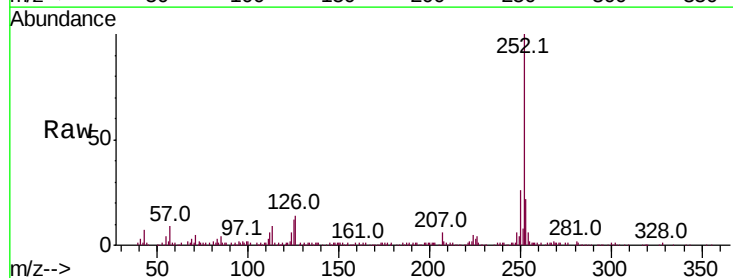
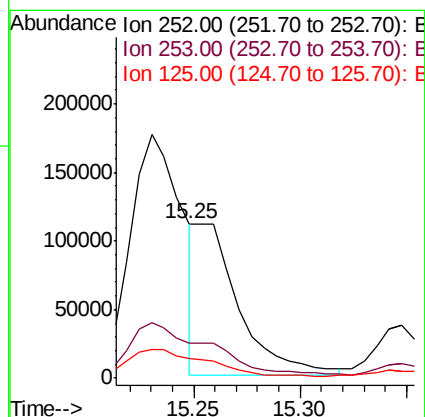
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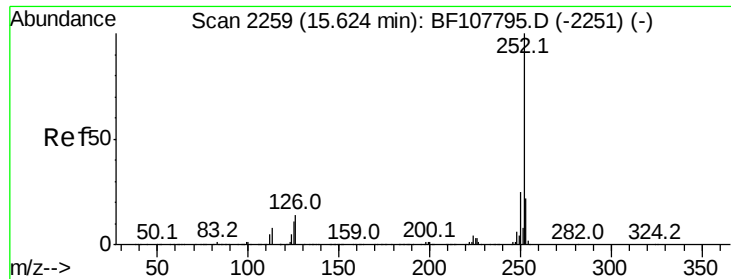
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#88
Benzo(k)fluoranthene
Concen: 5.720 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.5	10.2	15.2





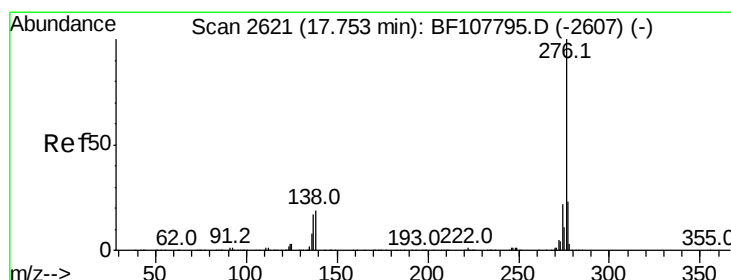
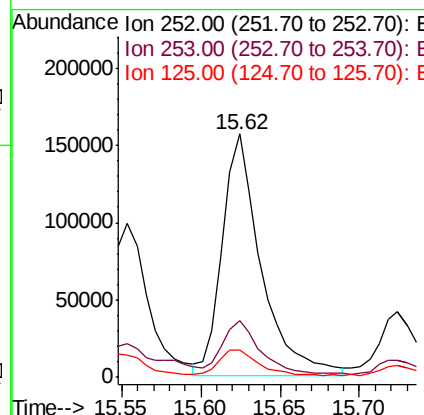
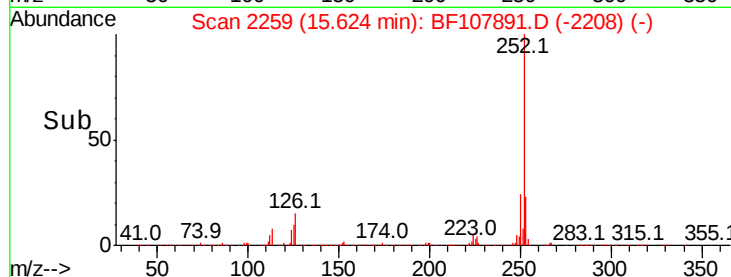
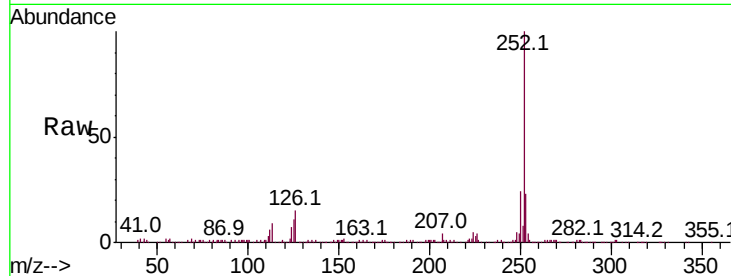
#89
Benzo(a)pyrene
Concen: 11.693 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.422 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	22.2	21.8	32.8

