

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
 Data File : BF107890.D
 Acq On : 1 Aug 2018 15:47
 Operator : JU/SJ
 Sample : J4164-10 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Manual Integrations
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Sohil
 8/2/2018 9:17:08 AM

Quant Time: Aug 01 17:18:28 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	6.97	152	103480	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	467827	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	200218	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	404981	20.00	ng	0.00
75) Chrysene-d12	14.15	240	376429	20.00	ng	0.00
86) Perylene-d12	15.69	264	422898	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	105618m	17.35	ng	0.02
7) Phenol-d6	6.62	99	159962m	19.93	ng	0.01
23) Nitrobenzene-d5	7.54	82	101484m	12.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	48147	17.70	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	199461	13.88	ng	0.00
78) Terphenyl-d14	13.08	244	214182	12.34	ng	0.00
Target Compounds						
70) Phenanthrene	11.52	178	311981	16.224	ng	98
71) Anthracene	11.58	178	136538	6.156	ng	99
74) Fluoranthene	12.72	202	762269	33.742	ng	97
77) Pyrene	12.95	202	735625	27.139	ng	98
80) Benzo(a)anthracene	14.14	228	437938	20.538	ng	97
82) Chrysene	14.18	228	387620	16.854	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	259960	14.860	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	587348m	28.160	ng	
88) Benzo(k)fluoranthene	15.26	252	252277m	9.852	ng	
89) Benzo(a)pyrene	15.63	252	476171	22.115	ng	98
90) Dibenzo(a,h)anthracene	17.29	278	49257m	2.623	ng	
91) Benzo(a,h,i)perylene	17.76	276	237565	13.072	ng	94

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

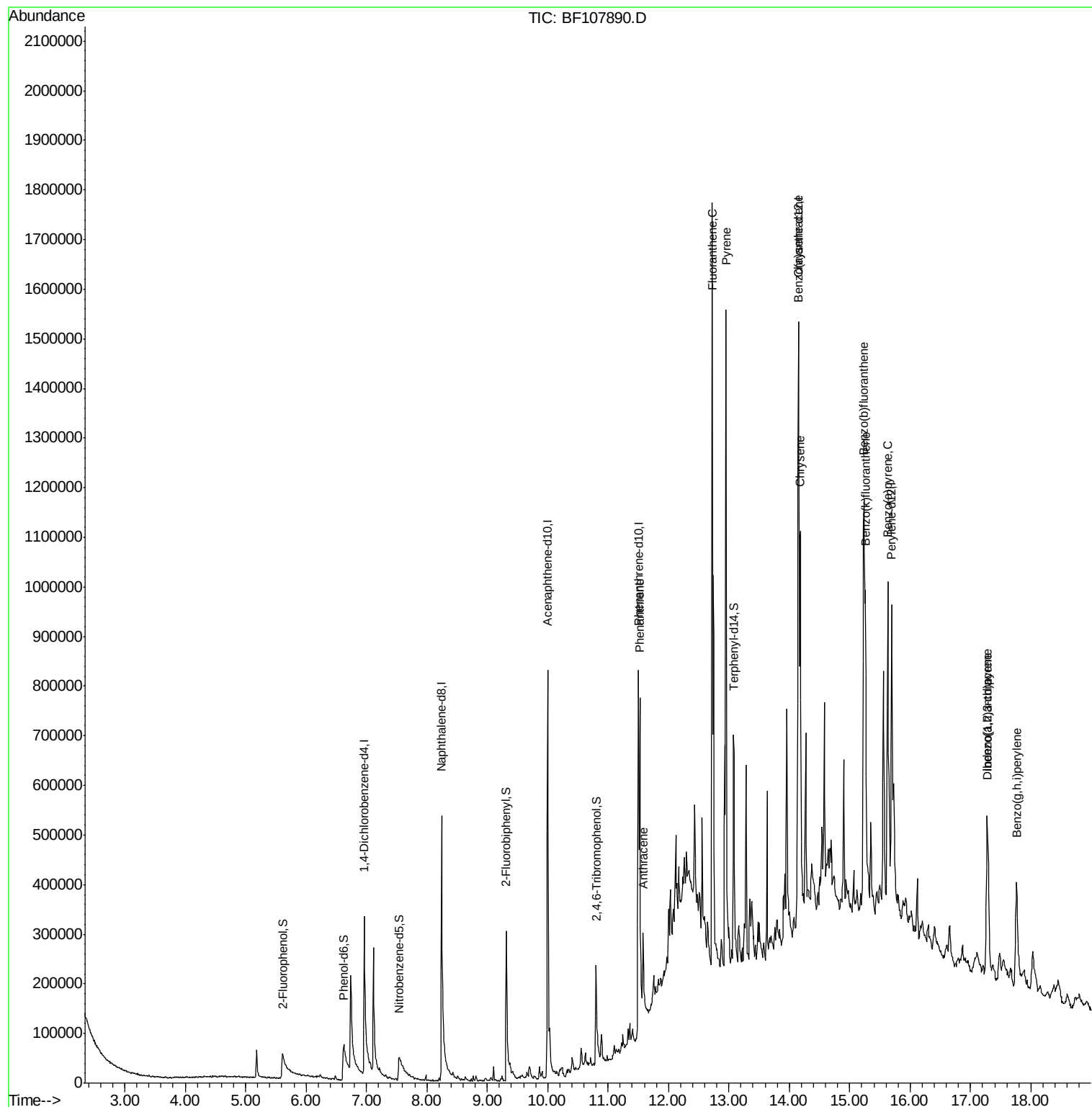
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107890.D
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ALS Vial : 9 Sample Multiplier: 1

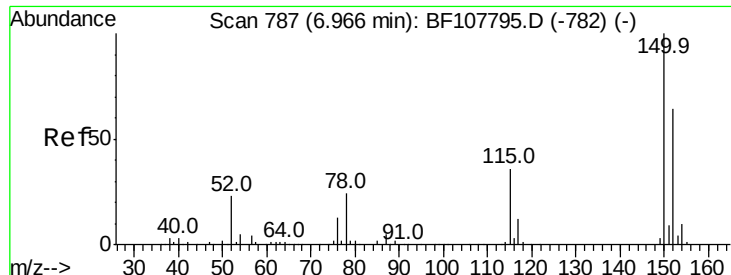
Instrument :
BNA_F
ClientSampled :
SB-2

Quant Time: Aug 01 17:18:28 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

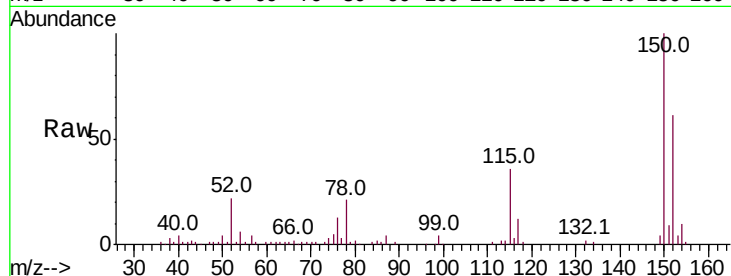
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.5	124.6	186.8
115	59.1	50.1	75.1

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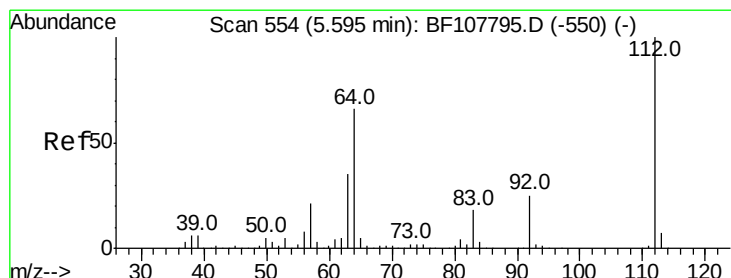
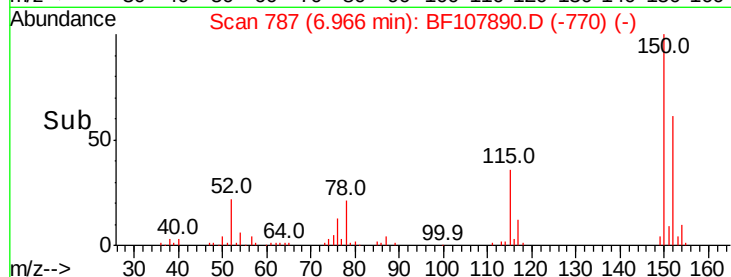
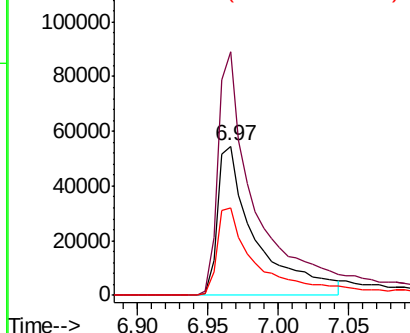


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

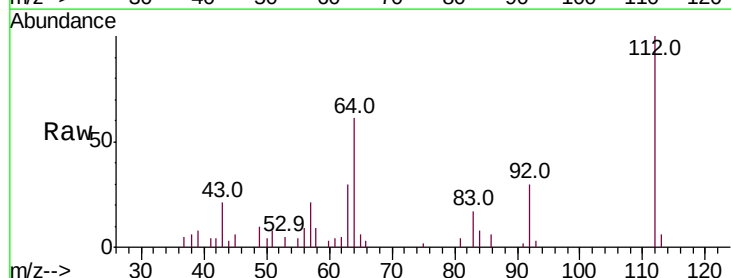
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 17.347 ng m
RT: 5.61 min Scan# 557
Delta R.T. 0.02 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	47.9	71.9
63	29.8	23.7	35.5

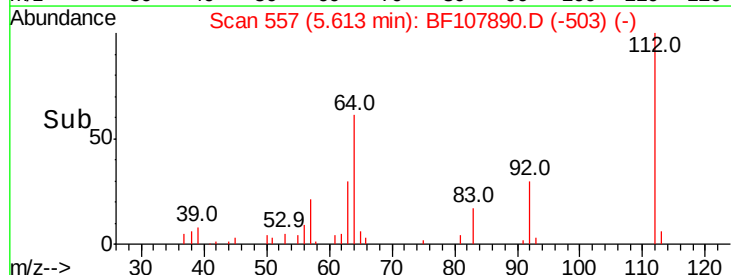
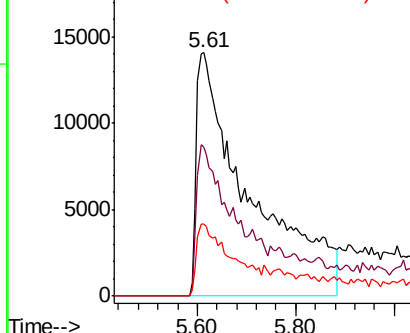


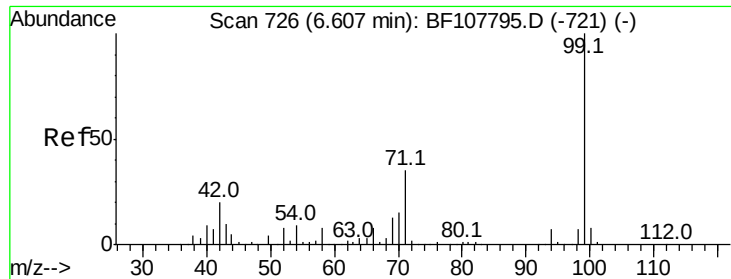
Abundance

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: 19.934 ng/mL

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

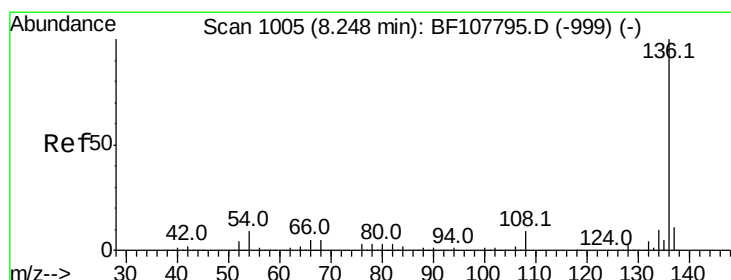
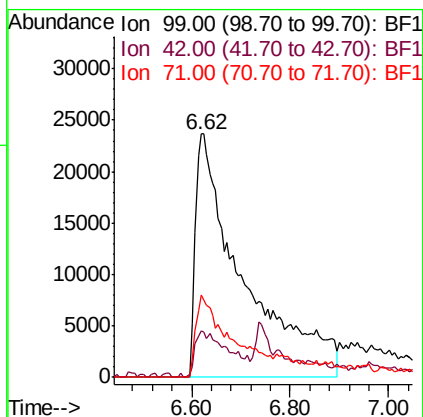
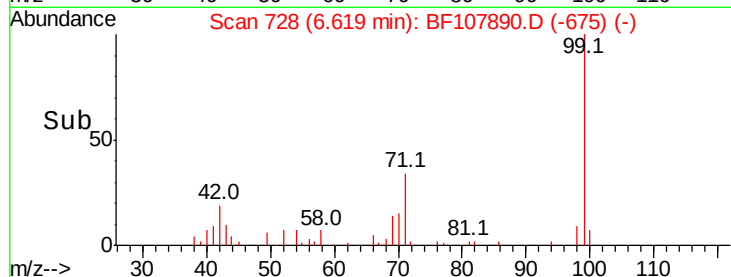
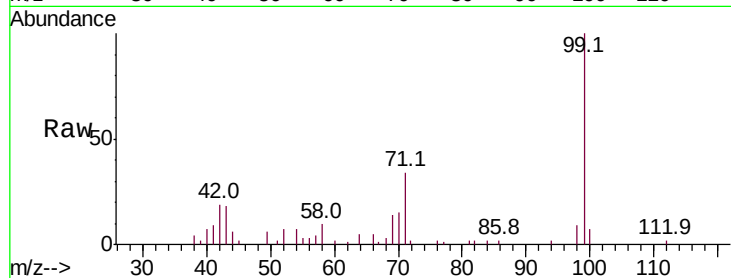
ClientSampled :

SB-2

Tot Ion:	99	Resp:	159962
Ion	Ratio	Lower	Upper
99	100		
42	19.2	14.5	21.7
71	33.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng/mL

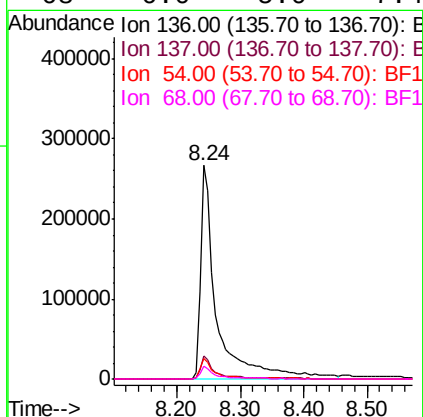
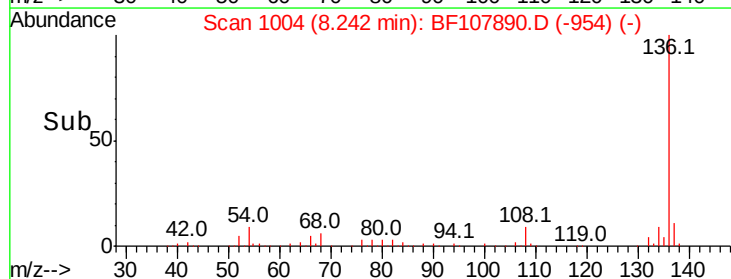
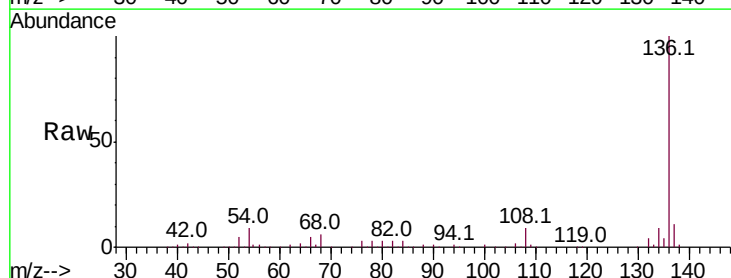
RT: 8.24 min Scan# 1004

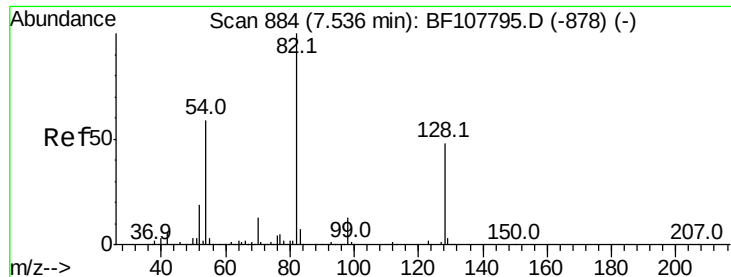
Delta R.T. -0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Tgt Ion:	136	Resp:	467827
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	6.6	9.8
68	6.0	5.0	7.4





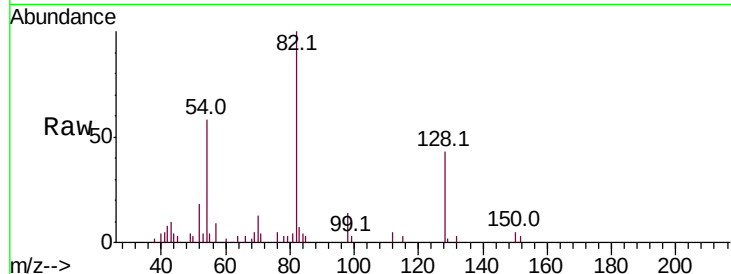
#23
 Nitrobenzene-d5
 Concen: 12.497 ng m
 RT: 7.54 min Scan# 885
 Delta R.T. 0.01 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Instrument :
 BNA_F
 ClientSampled :
 SB-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	58.1	41.4	62.2

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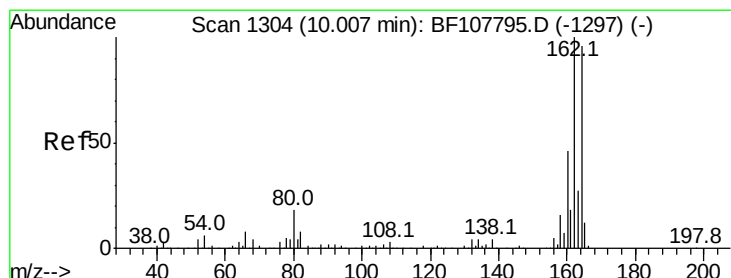
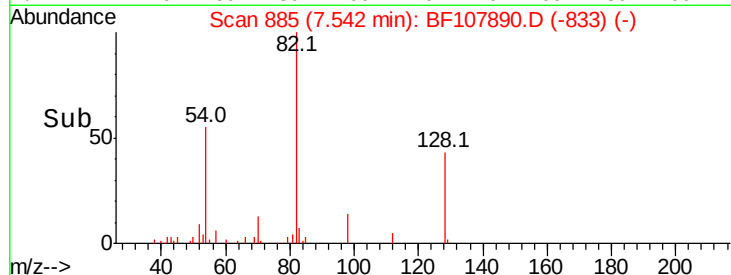
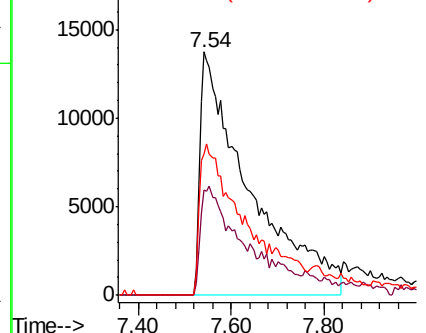


Abundance

Ion 82.00 (81.70 to 82.70): BF1

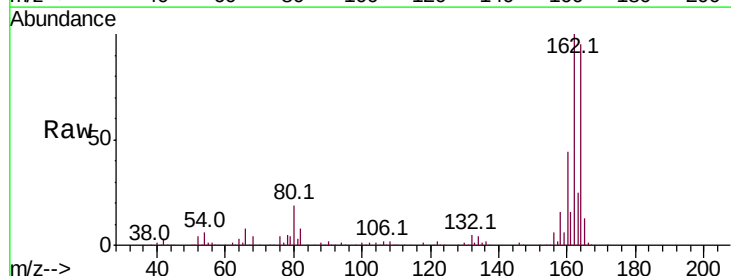
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	46.3	38.3	57.5

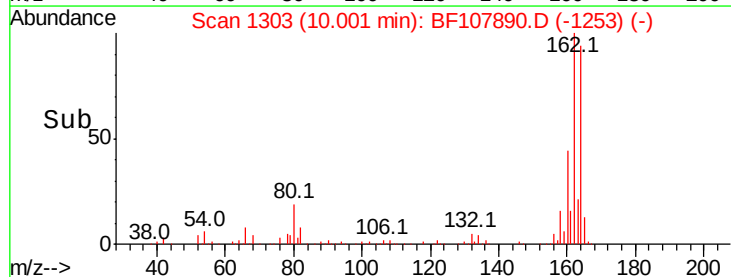
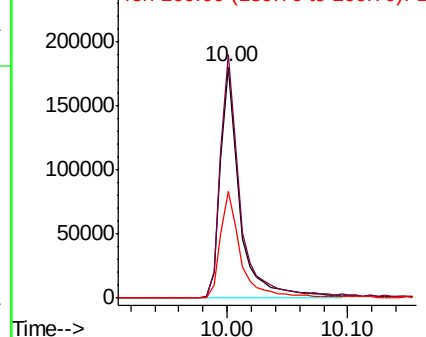


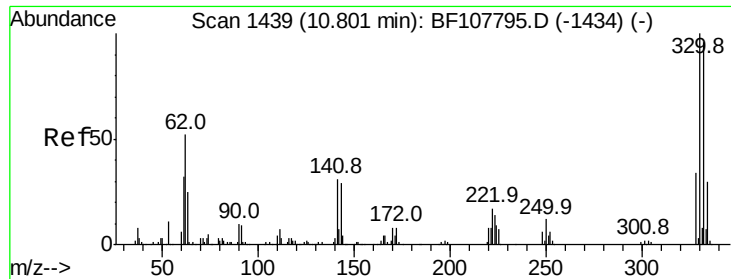
Abundance

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





#41

2,4,6-Tribromophenol

Concen: 17.697 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

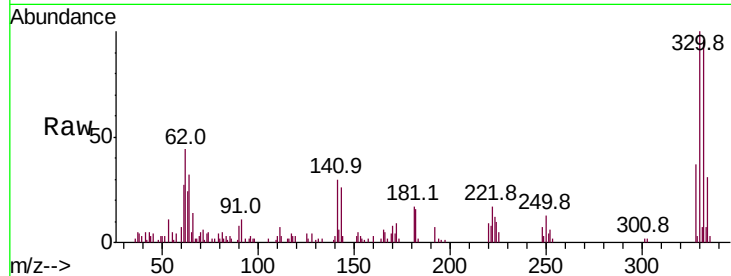
ClientSampled :

SB-2

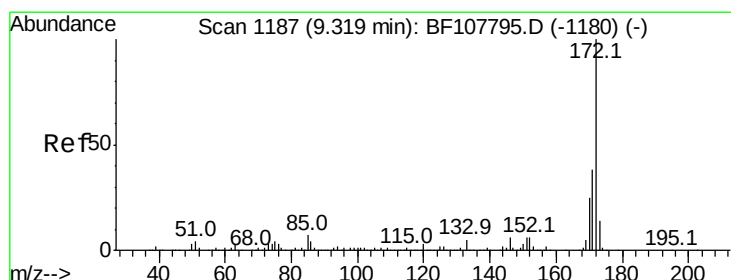
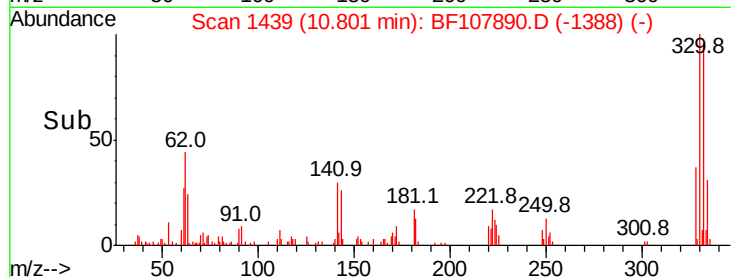
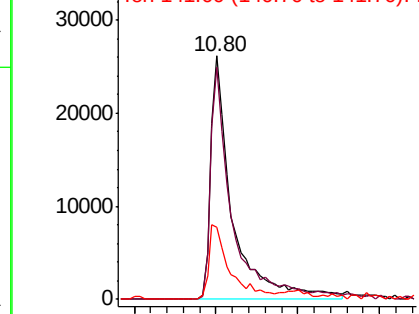
Tot Ion:	330	Resp:	48147
Ion Ratio	Lower	Upper	
330	100		
332	92.5	77.0	115.6
141	30.3	29.9	44.9

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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: 13.882 ng

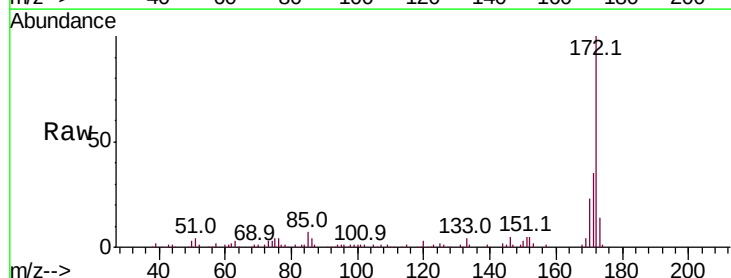
RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

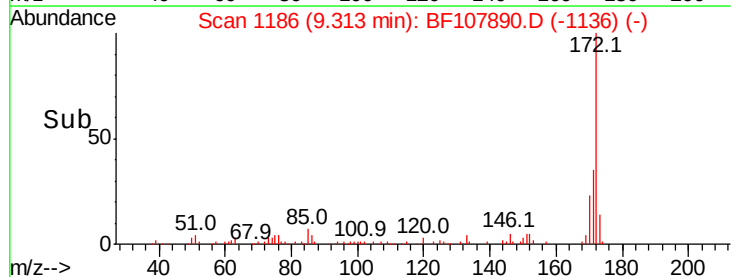
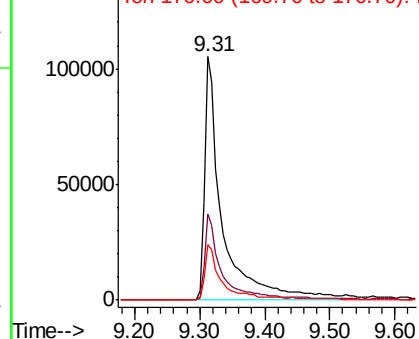
Lab File: BF107890.D

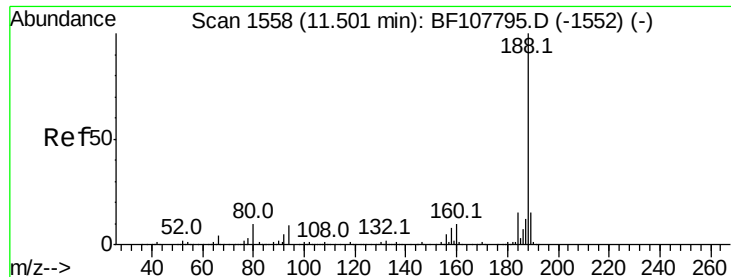
Acq: 1 Aug 2018 15:47

Tgt Ion:	172	Resp:	199461
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.0	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





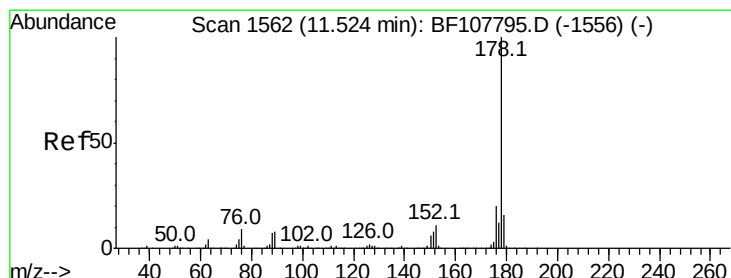
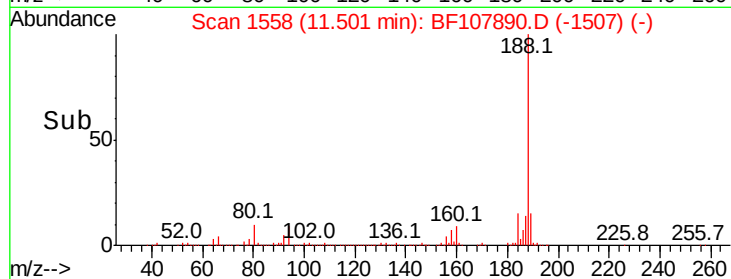
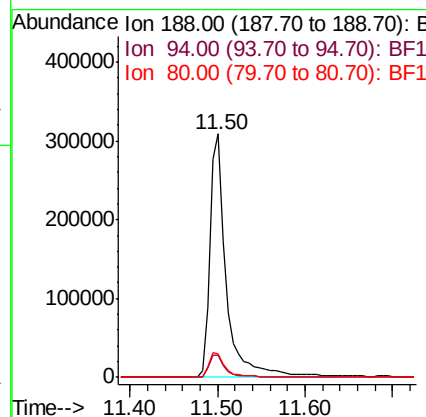
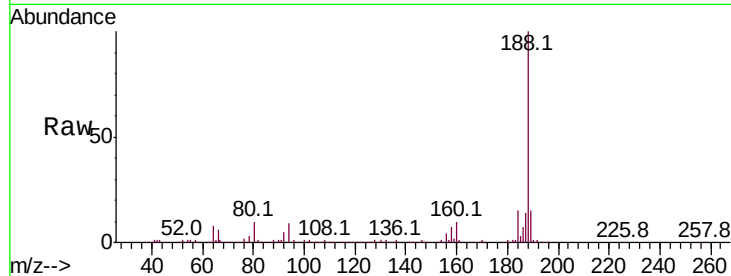
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	404981		
94	8.9		8.5	12.7
80	9.6		9.2	13.8

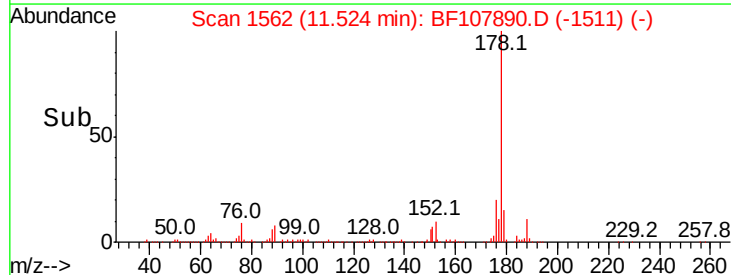
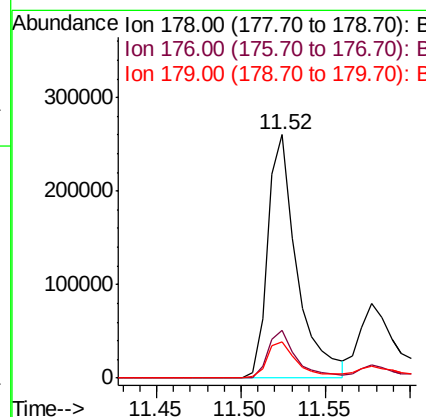
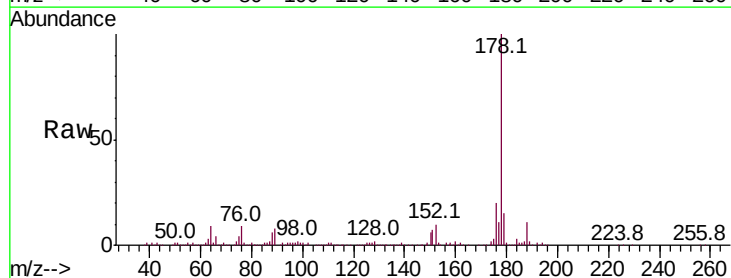
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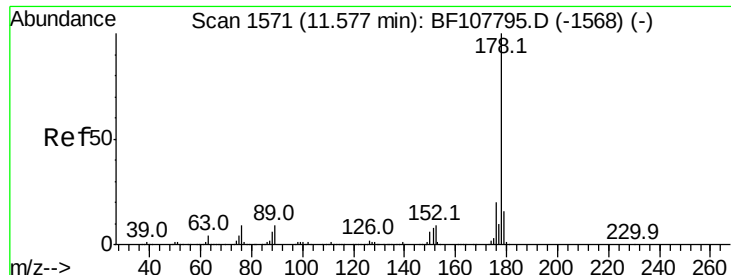
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#70
Phenanthrene
Concen: 16.224 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	311981		
176	19.6		15.8	23.8
179	14.9		13.0	19.6





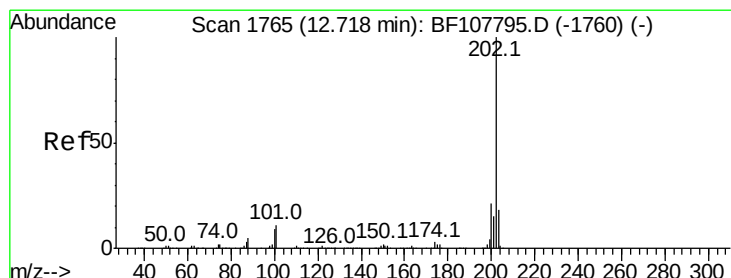
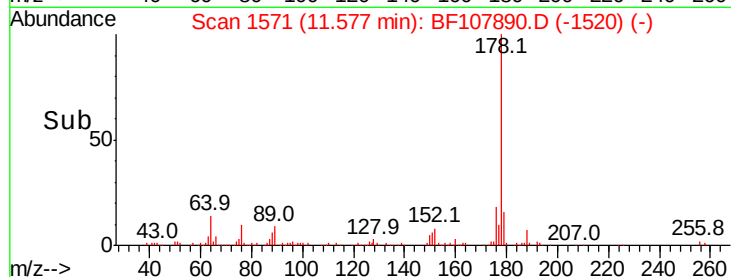
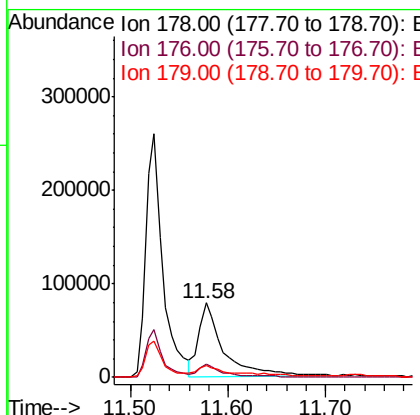
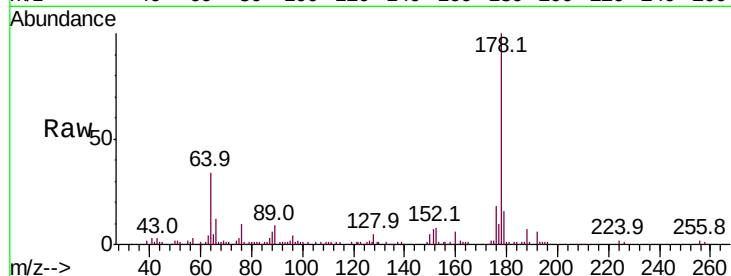
#71
 Anthracene
 Concen: 6.156 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.9	12.6	19.0

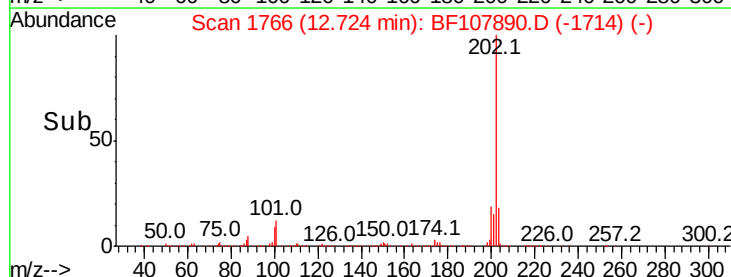
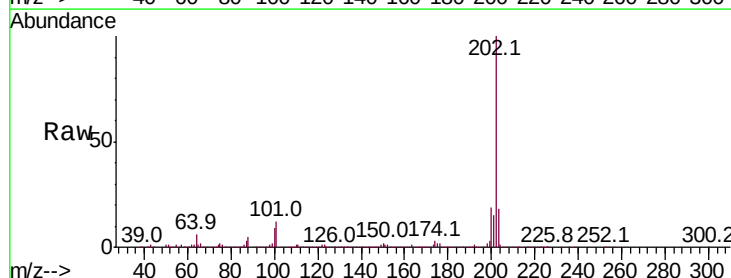
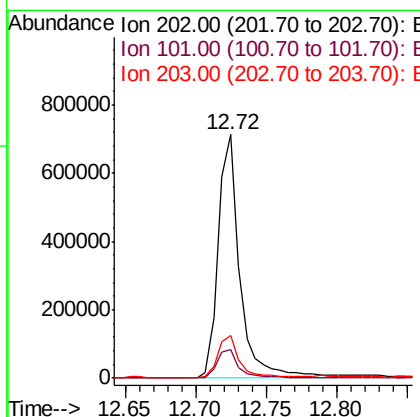
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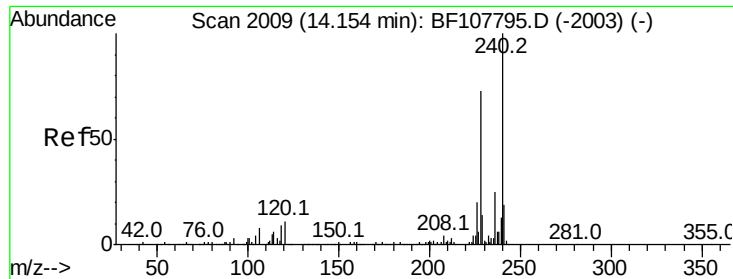
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#74
 Fluoranthene
 Concen: 33.742 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

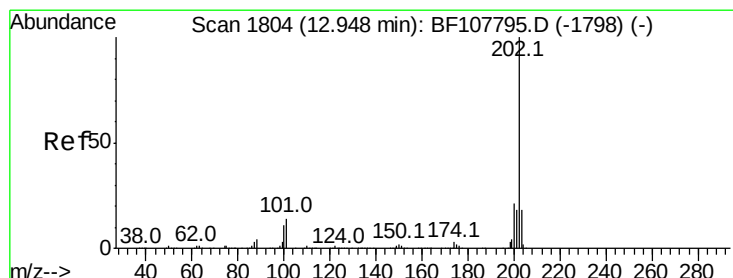
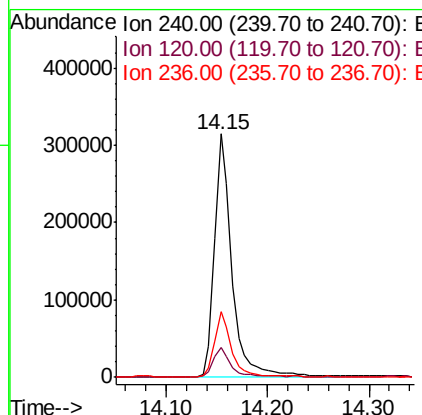
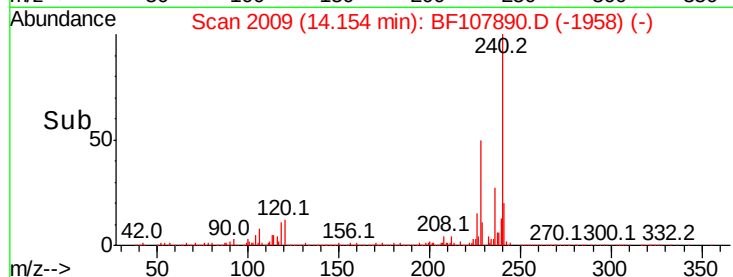
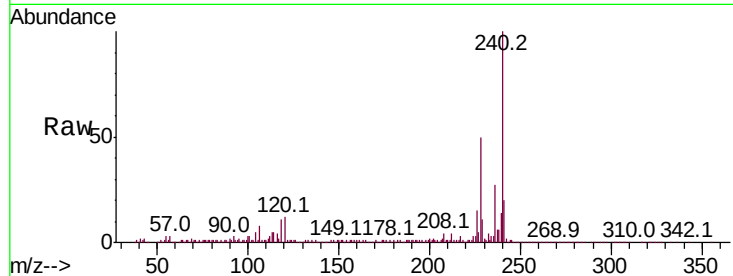
ClientSampleId :

SB-2

Tot Ion:	240	Resp:	376429
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	27.1	20.7	31.1

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#77

Pyrene

Concen: 27.139 ng

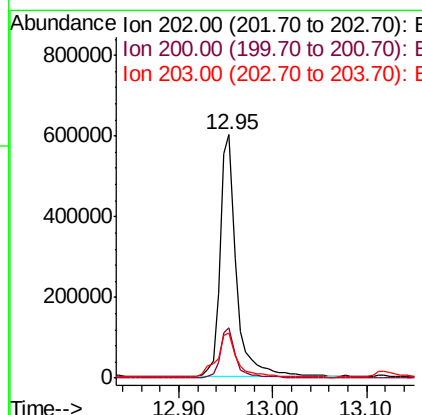
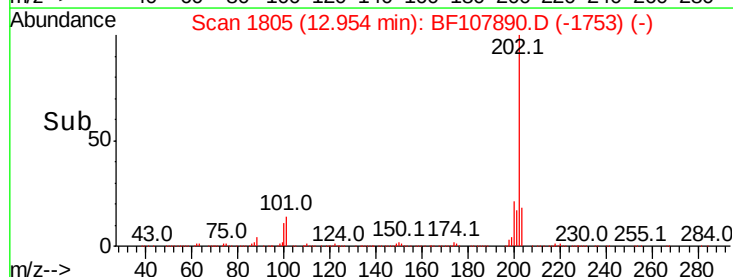
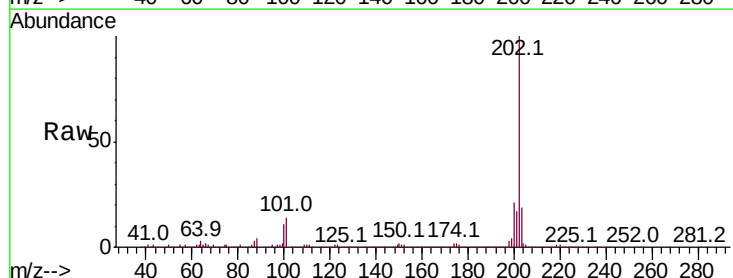
RT: 12.95 min Scan# 1805

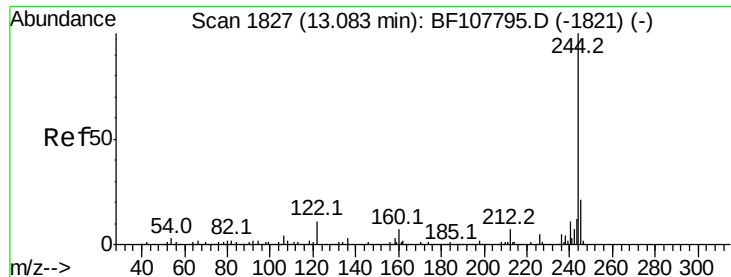
Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Tgt Ion:	202	Resp:	735625
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.7	14.3	21.5





#78

Terphenyl-d14

Concen: 12.338 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

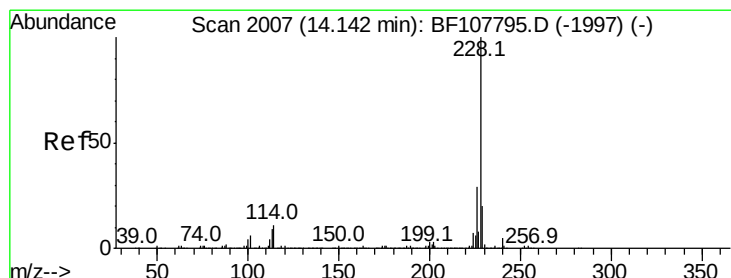
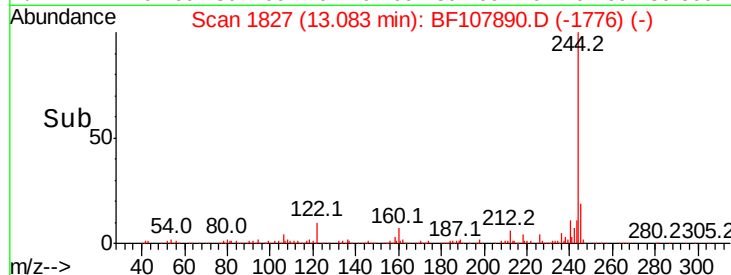
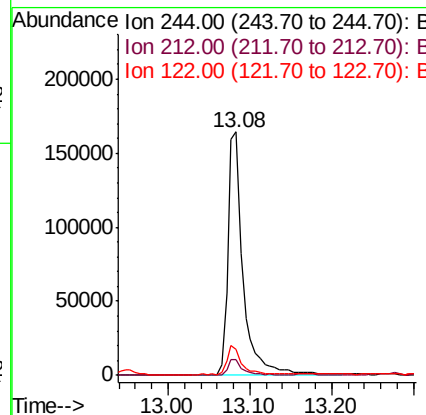
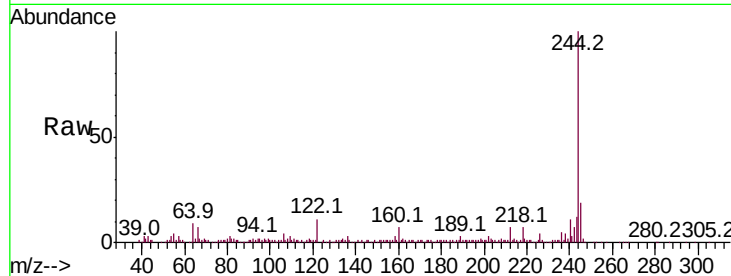
ClientSampled :

SB-2

Tot Ion	Ratio	Resp	Lower	Upper
244	100	214182		
212	6.5	5.4	8.0	
122	10.8	11.0	16.4	

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#80

Benzo(a)anthracene

Concen: 20.538 ng

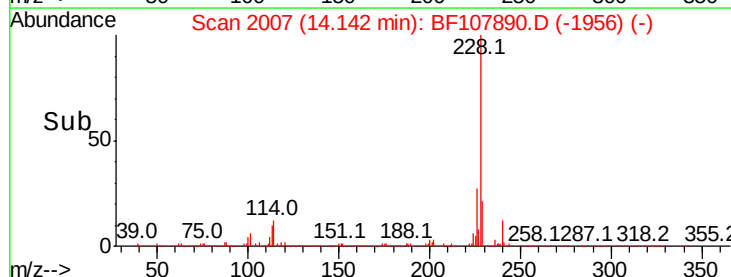
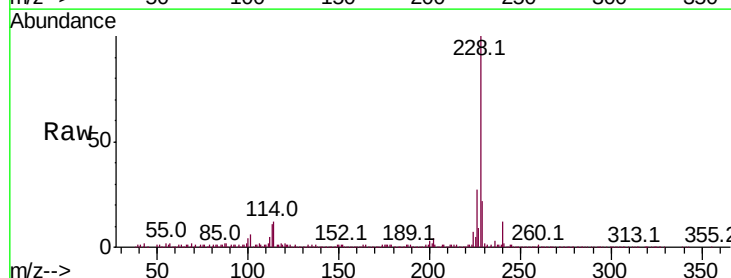
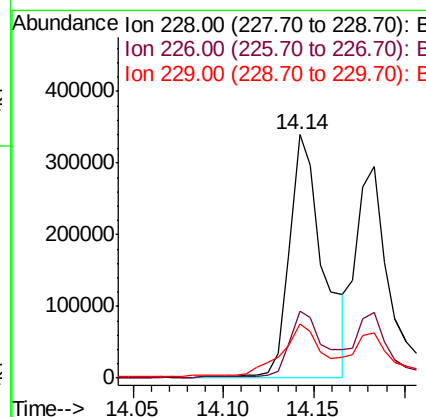
RT: 14.14 min Scan# 2007

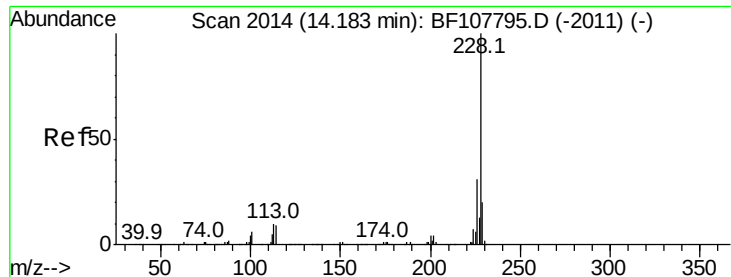
Delta R.T. -0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	437938		
226	27.5	22.6	33.8	
229	22.3	15.8	23.6	





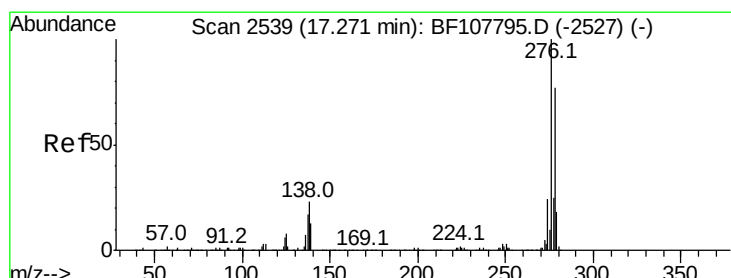
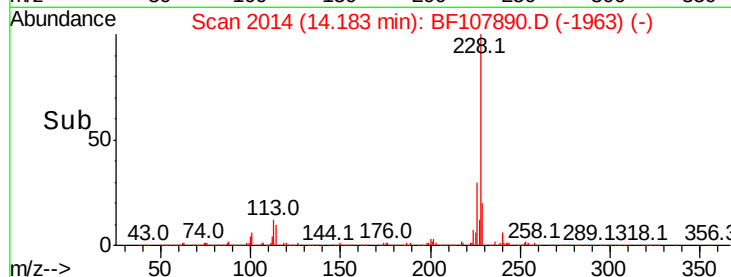
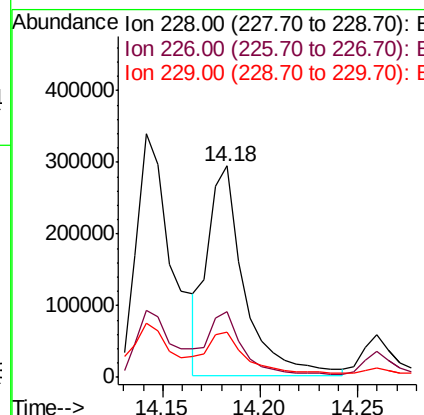
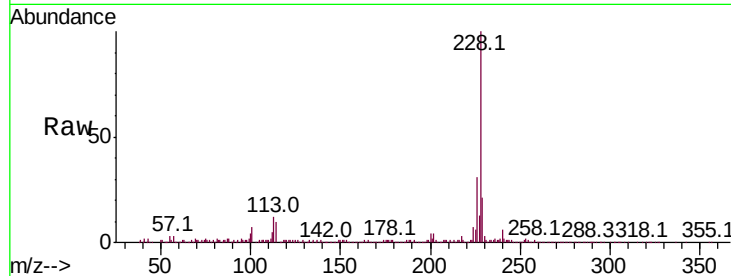
#82
Chrysene
Concen: 16.854 ng
RT: 14.18 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion:	228	Resp:	387620
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.1	16.2	24.4

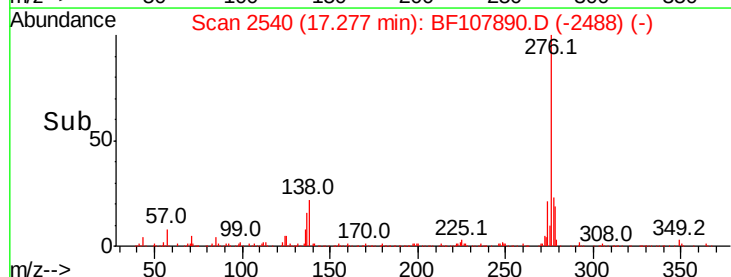
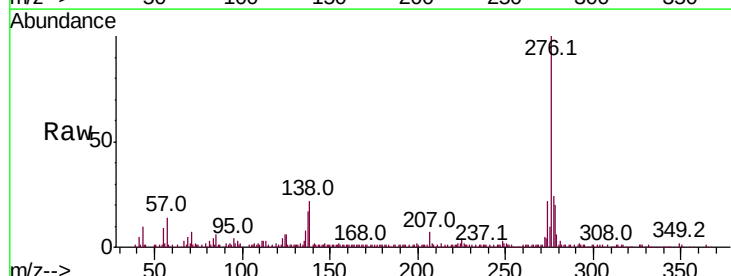
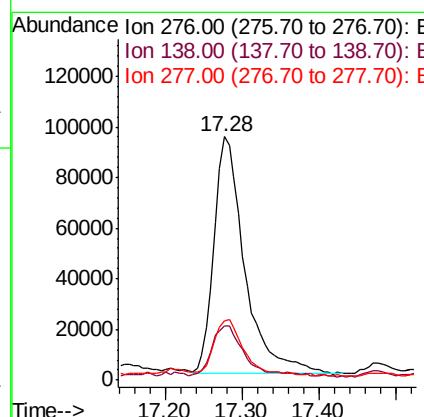
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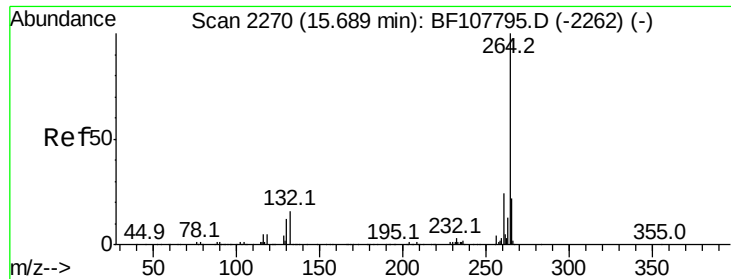
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.860 ng
RT: 17.28 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion:	276	Resp:	259960
Ion Ratio	Lower	Upper	
276	100		
138	22.1	25.0	37.6#
277	21.7	20.1	30.1





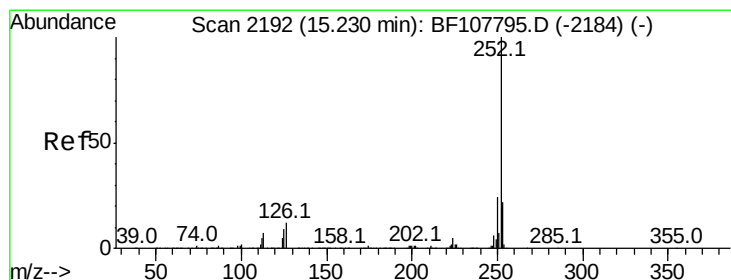
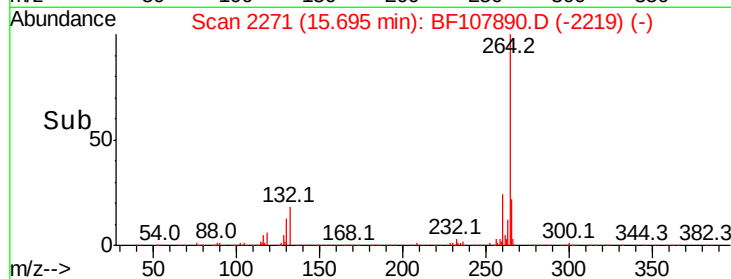
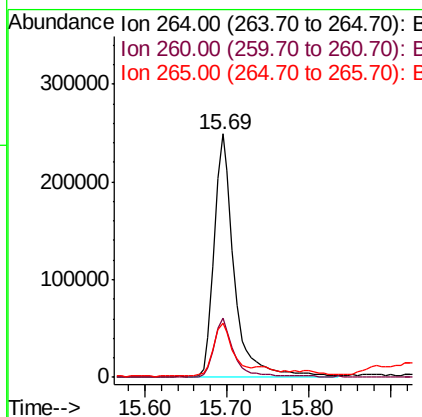
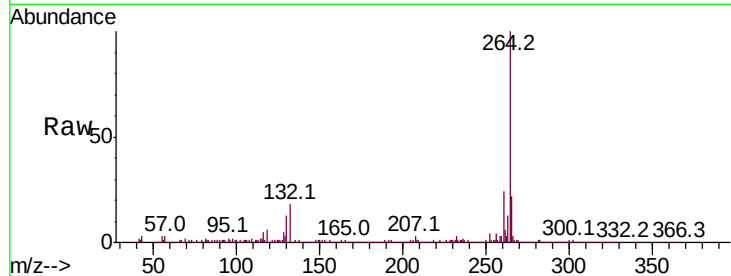
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampleId :
SB-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3

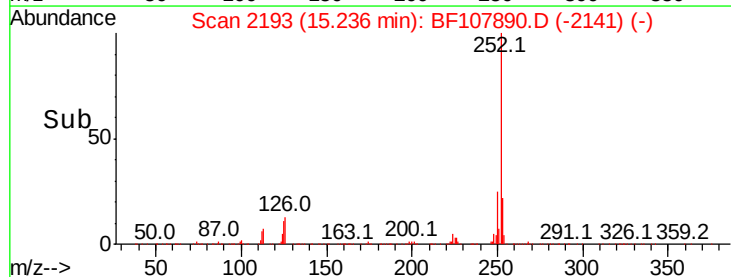
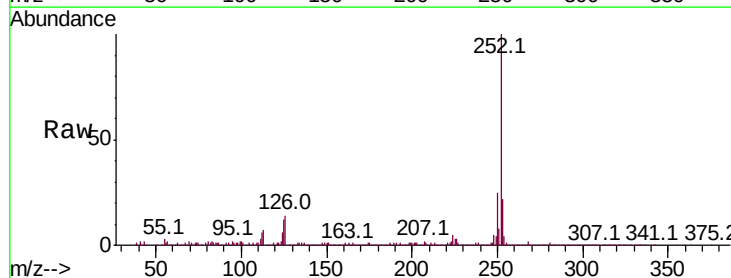
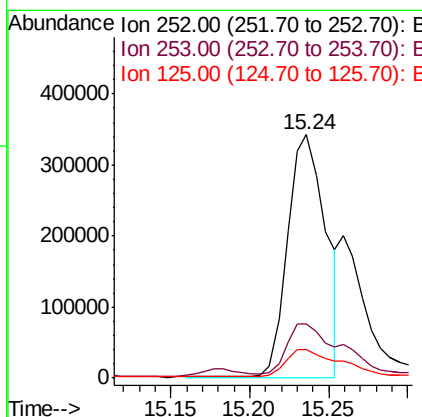
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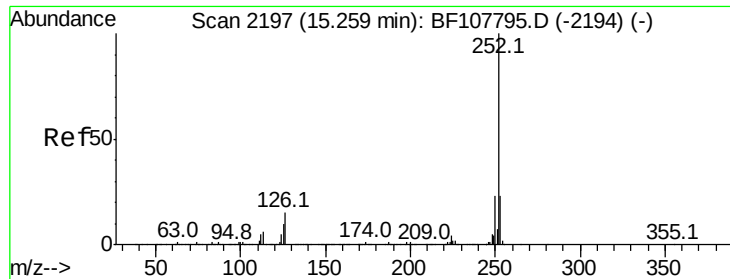
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#87
Benzo(b)fluoranthene
Concen: 28.160 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.7	9.0	13.6





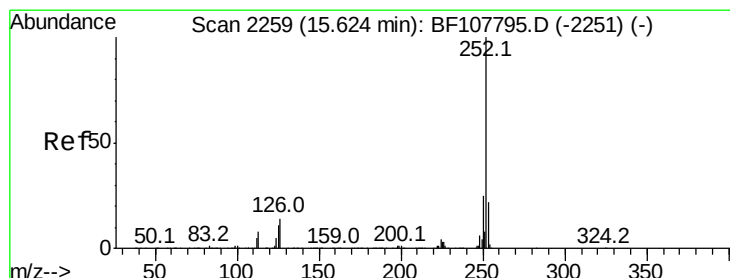
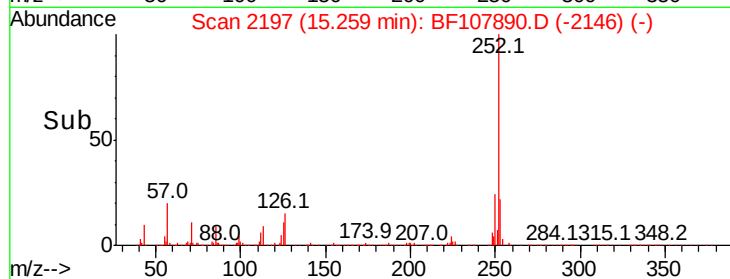
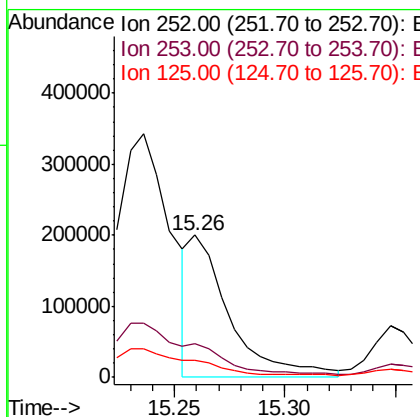
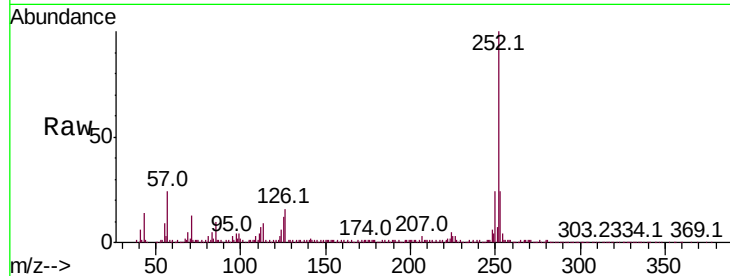
#88
Benzo(k)fluoranthene
Concen: 9.852 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.0	10.2	15.2

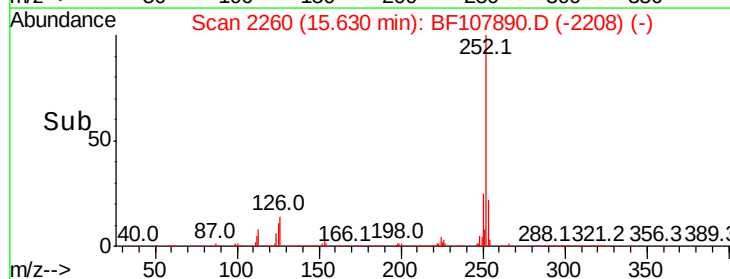
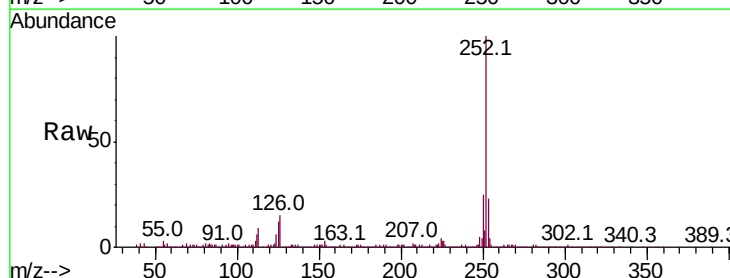
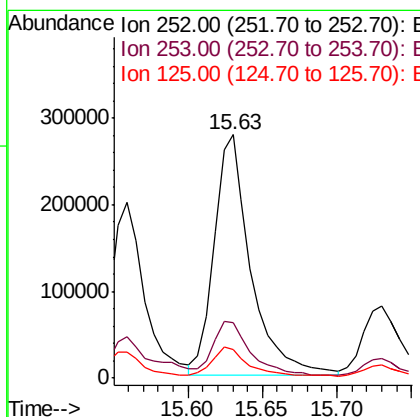
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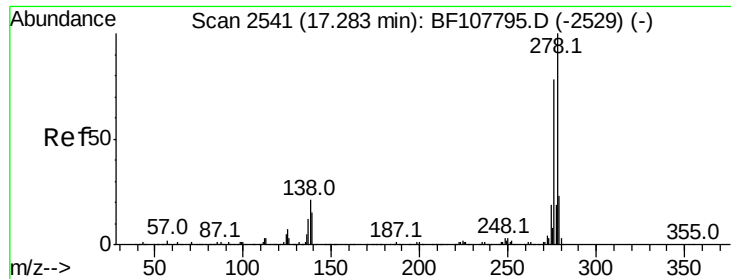
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#89
Benzo(a)pyrene
Concen: 22.115 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	11.8	9.8	14.6





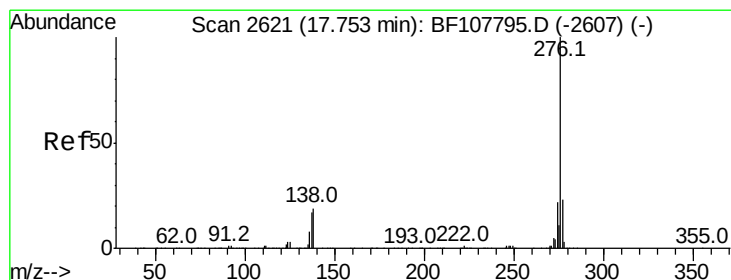
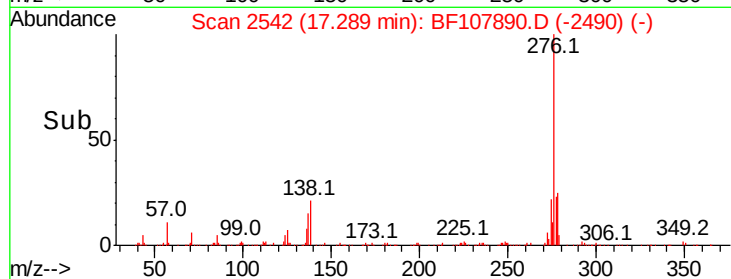
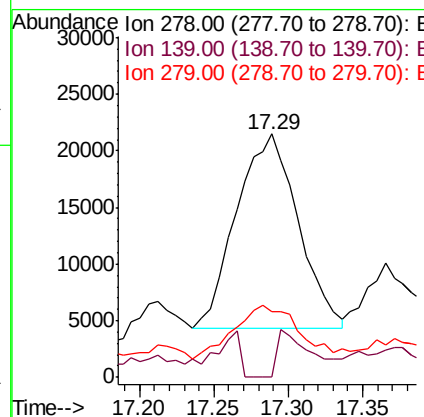
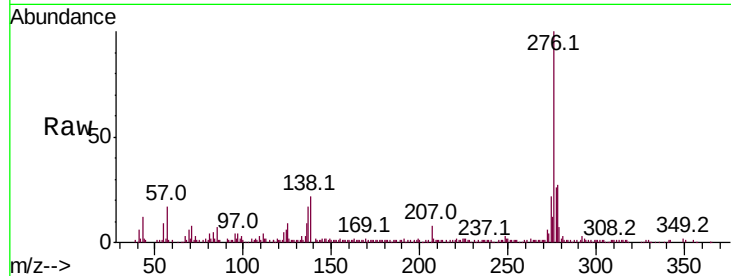
#90
Dibenzo(a,h)anthracene
Concen: 2.623 ng m
RT: 17.29 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampled :
SB-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.2	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 13.072 ng
RT: 17.76 min Scan# 2622
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	24.3	21.8	32.8

