

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106500.D
 Acq On : 15 Jun 2018 19:00
 Operator : JU/SJ
 Sample : J3486-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-9

Manual Integrations
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 6/18/2018 10:38:28 AM

Quant Time: Jun 16 00:36:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	137238	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	502600	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	214086	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	344579	20.00	ng	0.00
75) Chrysene-d12	14.15	240	345969	20.00	ng	0.00
86) Perylene-d12	15.69	264	303872	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	708021	87.32	ng	0.00
7) Phenol-d6	6.61	99	856741	83.63	ng	0.00
23) Nitrobenzene-d5	7.52	82	574744	67.27	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	182171	88.44	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	857601	66.04	ng	0.00
78) Terphenyl-d14	13.08	244	710413	51.00	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	134275	8.779	ng	99
70) Phenanthrene	11.52	178	235481	13.954	ng	98
71) Anthracene	11.57	178	62981	3.725	ng	98
74) Fluoranthene	12.72	202	538453	29.920	ng	96
77) Pyrene	12.95	202	498628	23.021	ng	99
80) Benzo(a)anthracene	14.14	228	370990m	18.019	ng	
82) Chrysene	14.18	228	308233	16.398	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	111231	7.414	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	404445m	22.018	ng	
88) Benzo(k)fluoranthene	15.27	252	100216m	5.509	ng	
89) Benzo(a)pyrene	15.62	252	262399	15.882	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	28637	2.079	ng	97
91) Benzo(a,h,i)perylene	17.73	276	101115	7.554	ng	94

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

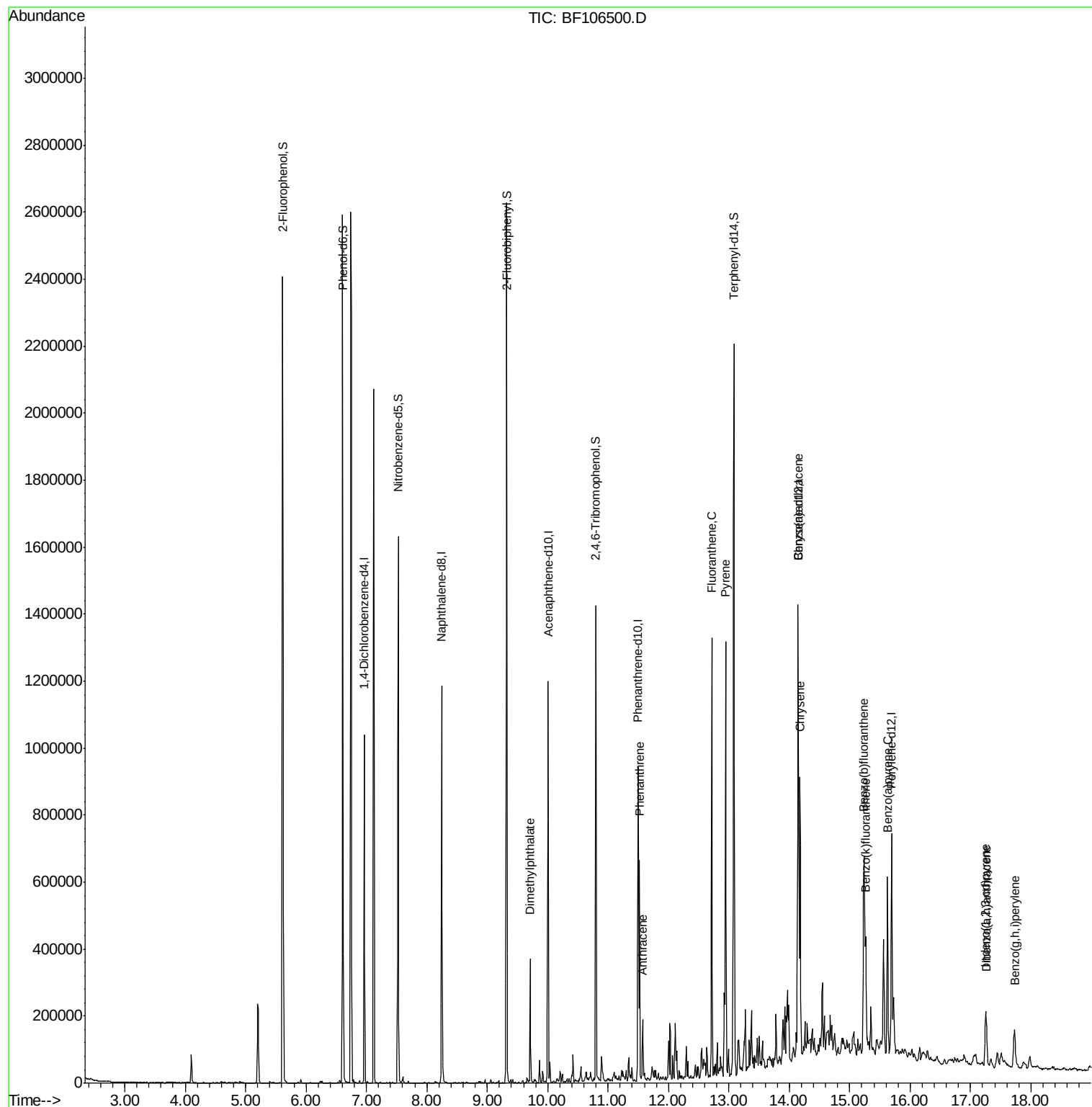
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
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Sample : J3486-06
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ALS Vial : 15 Sample Multiplier: 1

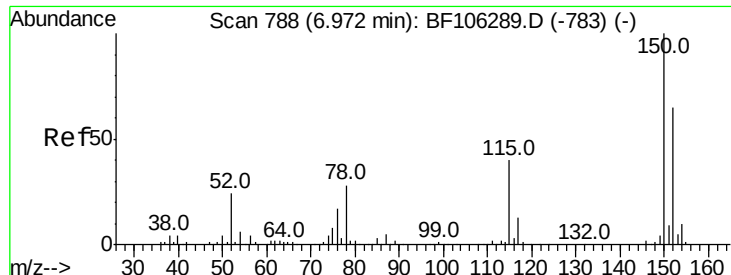
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

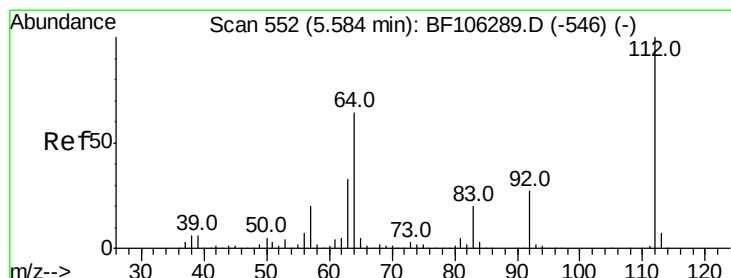
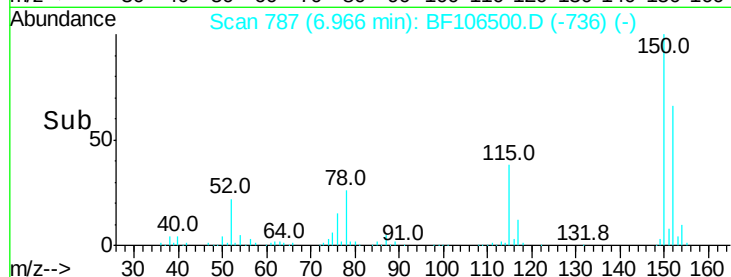
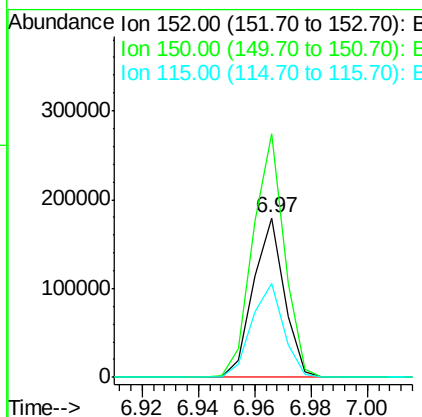
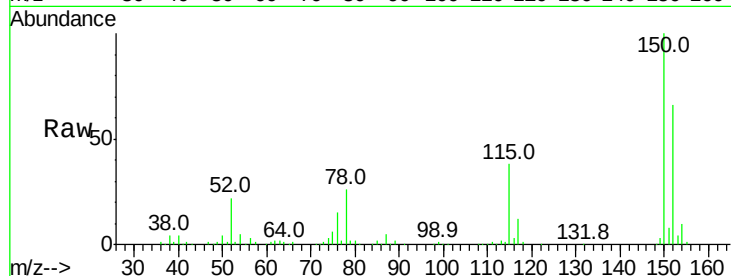
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

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BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	58.6	50.1	75.1

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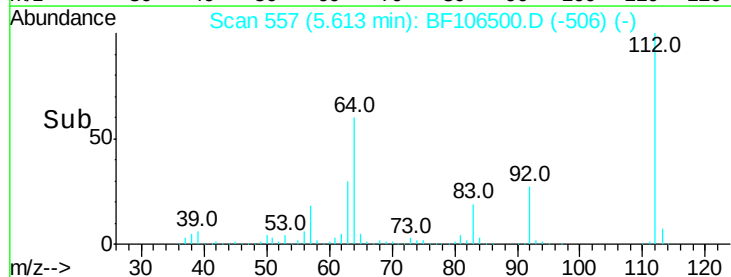
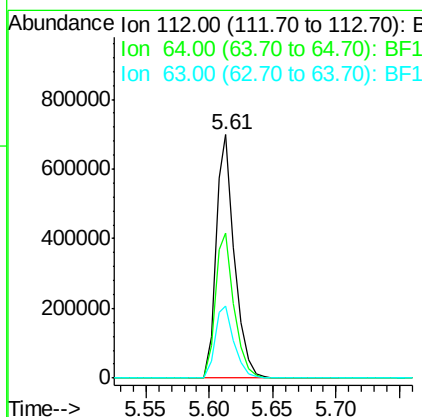
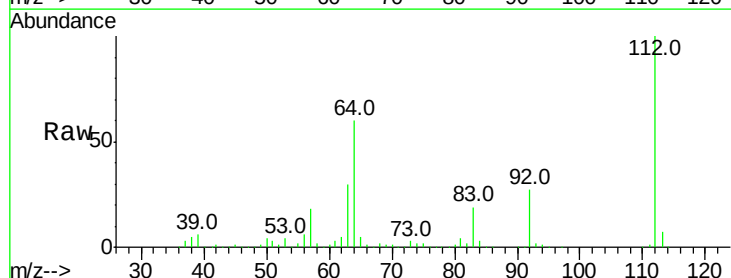
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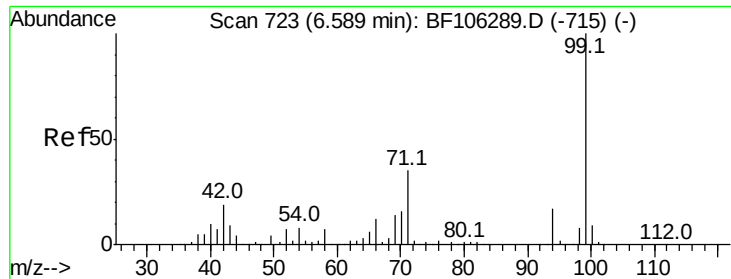


#5

2-Fluorophenol
Concen: 87.317 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 83.630 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Instrument :

BNA_F

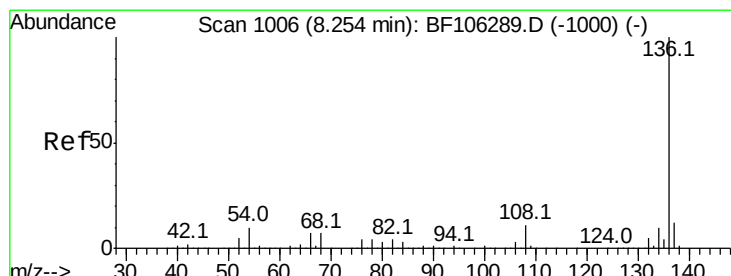
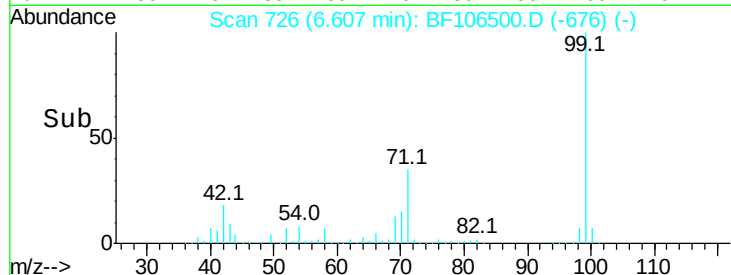
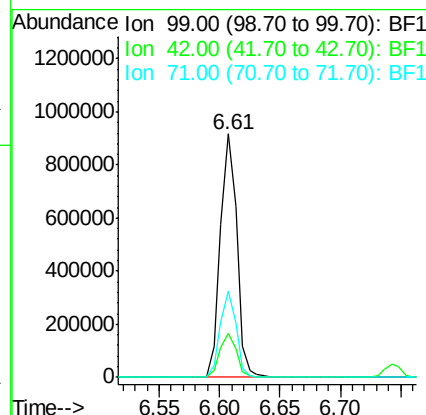
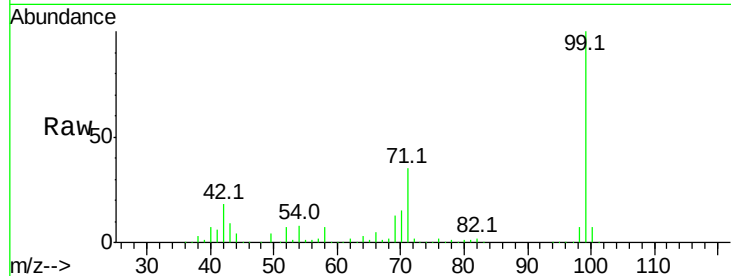
ClientSampleId :

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Tot Ion:	99	Resp:	856741
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	35.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

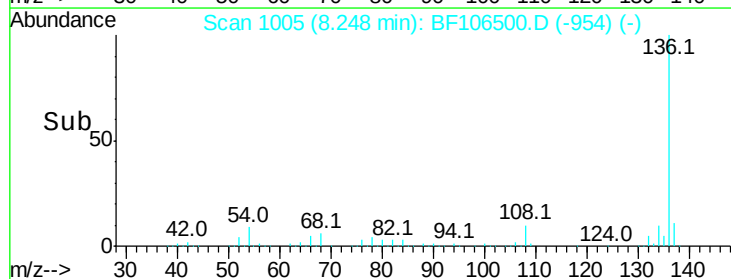
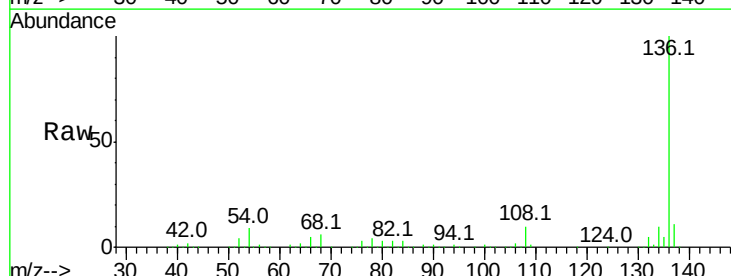
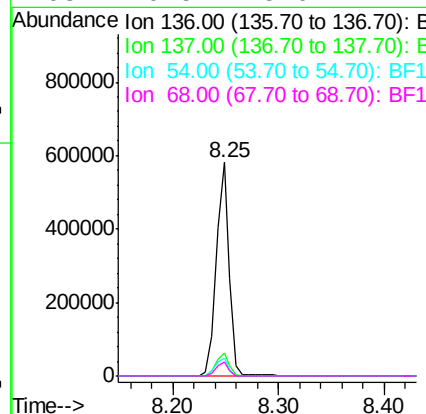
RT: 8.25 min Scan# 1005

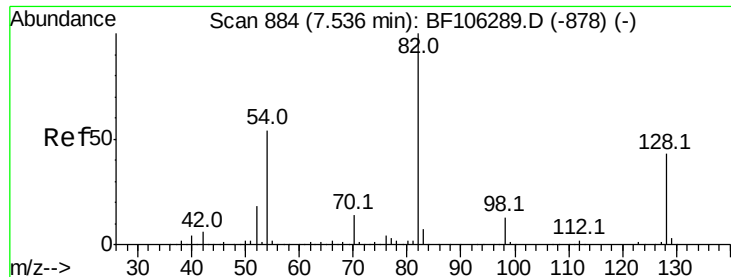
Delta R.T. 0.00 min

Lab File: BF106500.D

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Tgt Ion:	136	Resp:	502600
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.5	6.6	9.8
68	6.5	5.0	7.4





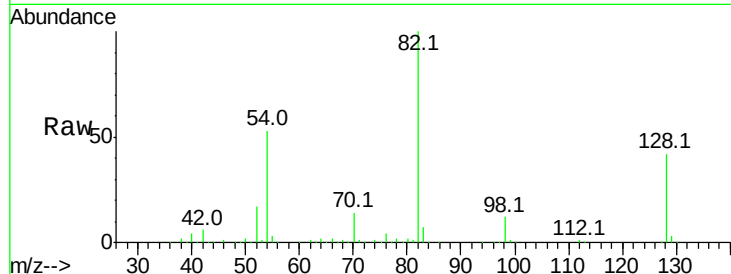
#23
Nitrobenzene-d5
Concen: 67.273 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Instrument :
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ClientSampleId :
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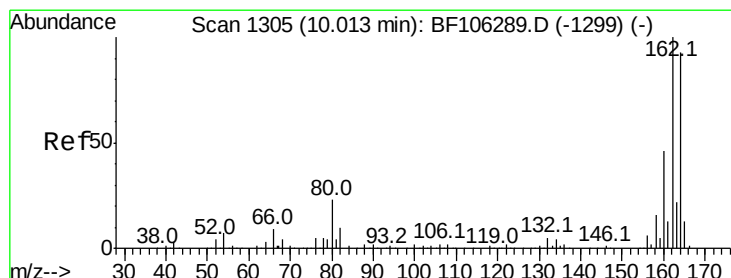
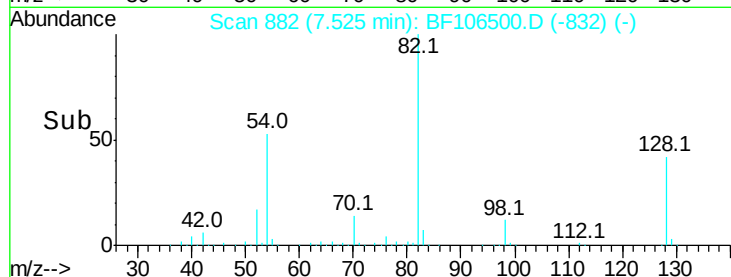
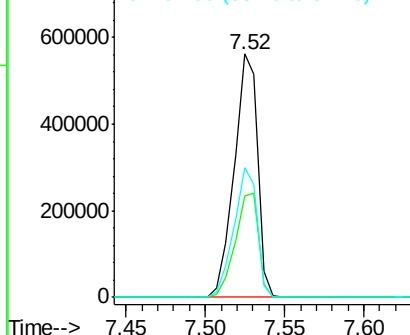
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.9	36.1	54.1	
54	53.1	41.4	62.2	

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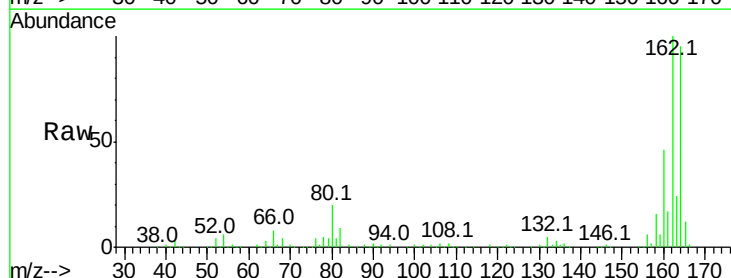


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

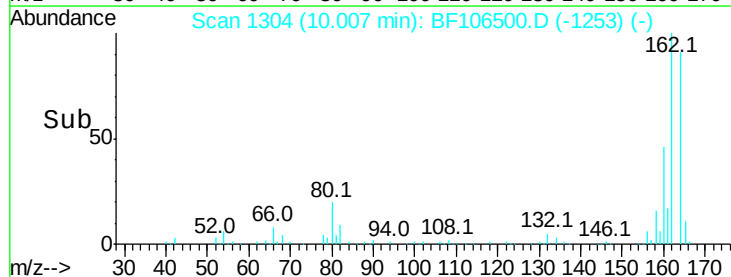
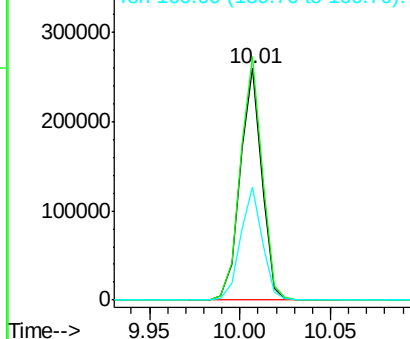


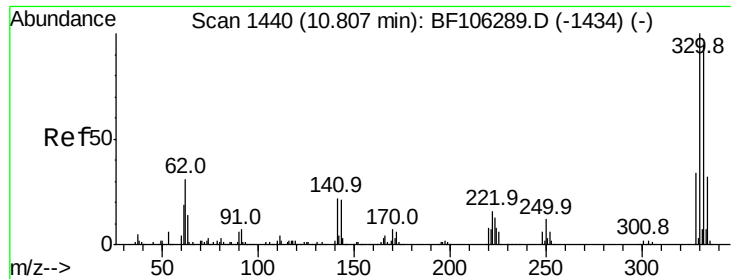
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.1	86.1	129.1	
160	48.7	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





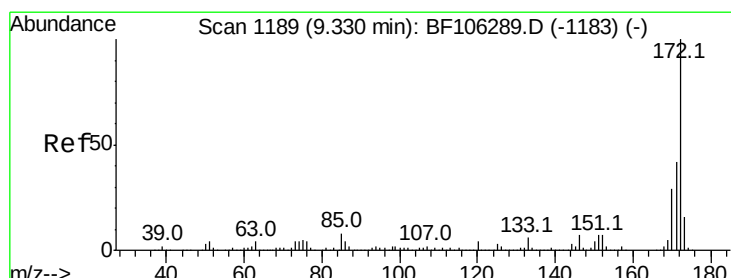
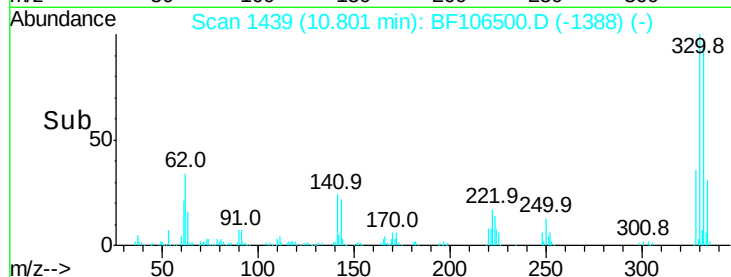
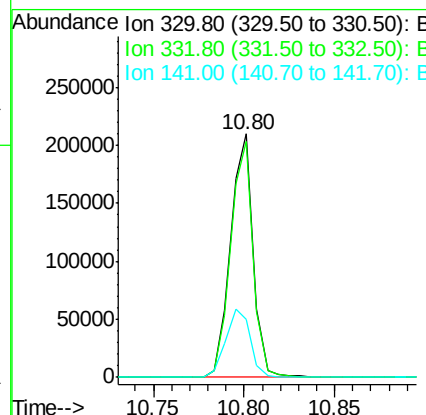
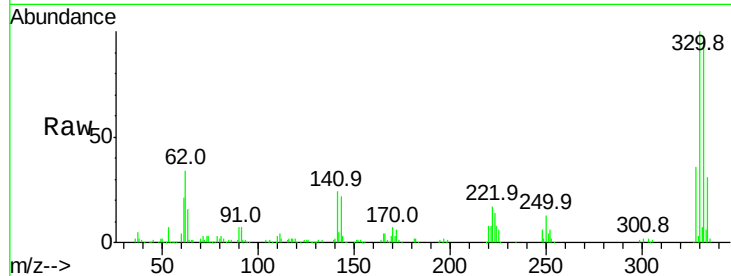
#41
 2,4,6-Tribromophenol
 Concen: 88.438 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106500.D
 Acq: 15 Jun 2018 19:00

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	182171		
332	96.7	77.0	115.6	
141	30.6	29.9	44.9	

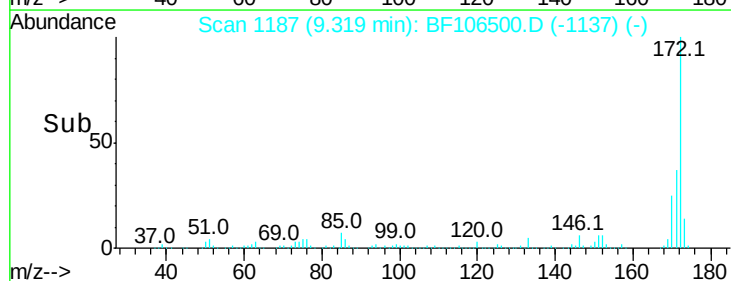
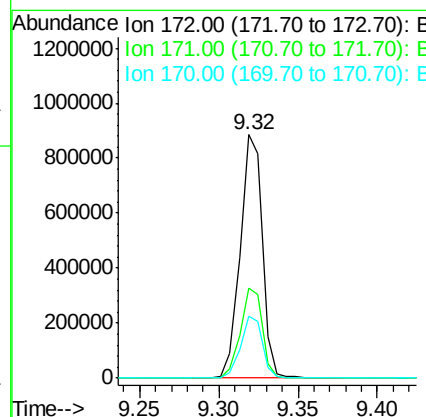
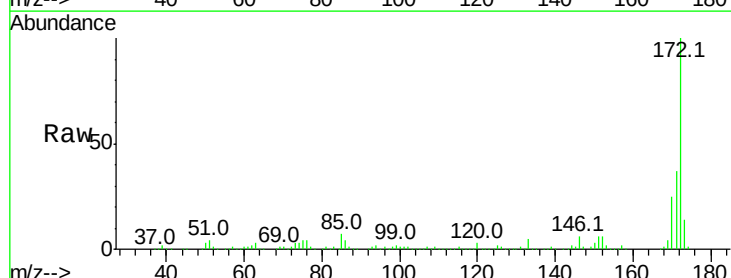
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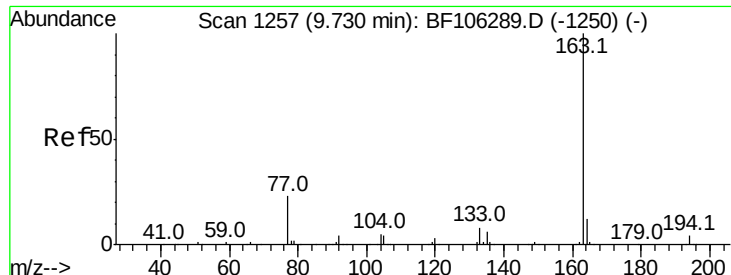
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#44
 2-Fluorobiphenyl
 Concen: 66.036 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106500.D
 Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	857601		
171	37.0	29.7	44.5	
170	25.2	19.6	29.4	





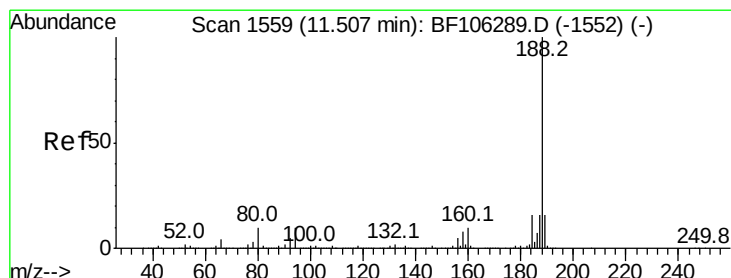
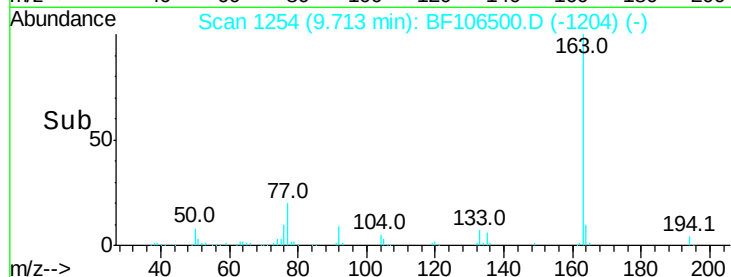
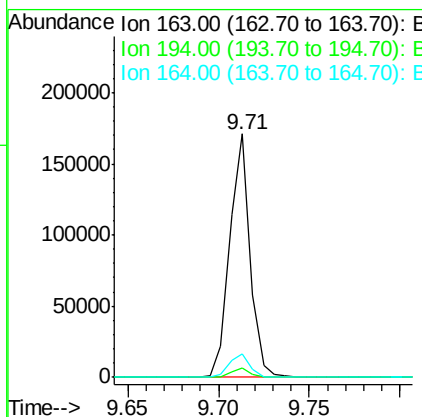
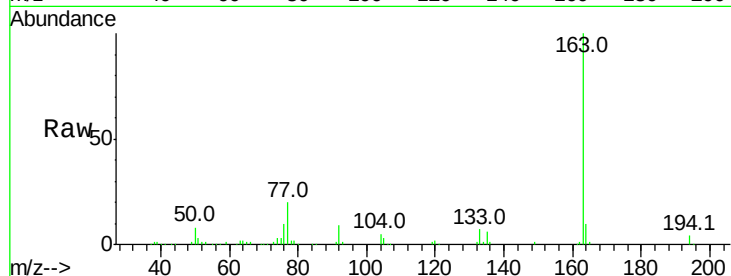
#49
Dimethylphthalate
Concen: 8.779 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100	134275		
194	3.8		2.7	4.1
164	9.6		8.2	12.2

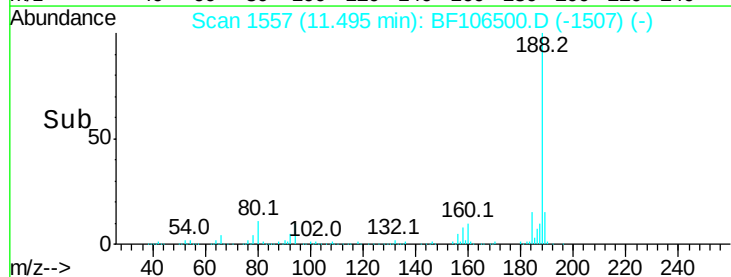
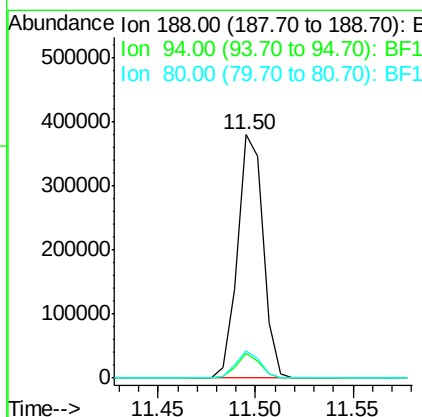
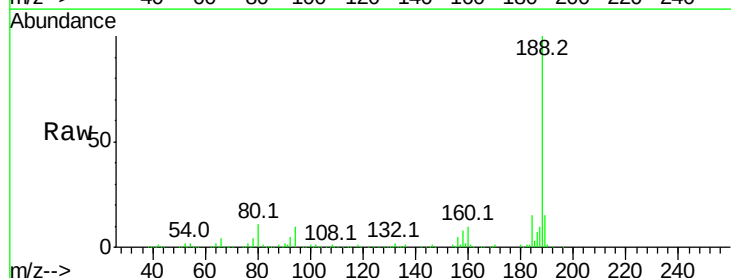
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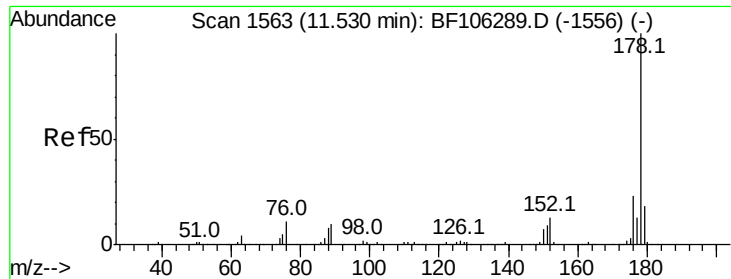
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	344579		
94	10.0		8.5	12.7
80	11.1		9.2	13.8





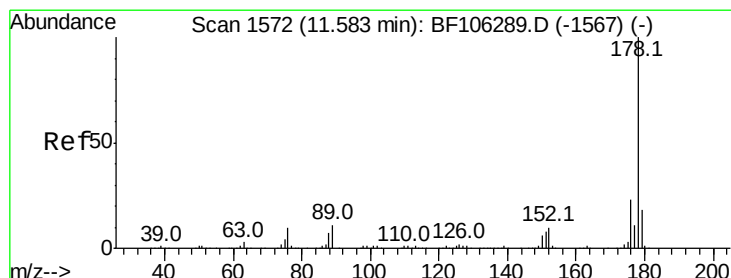
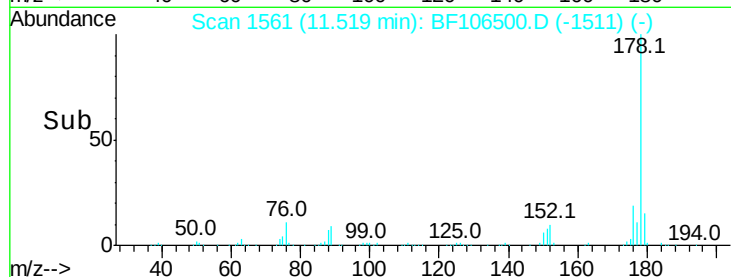
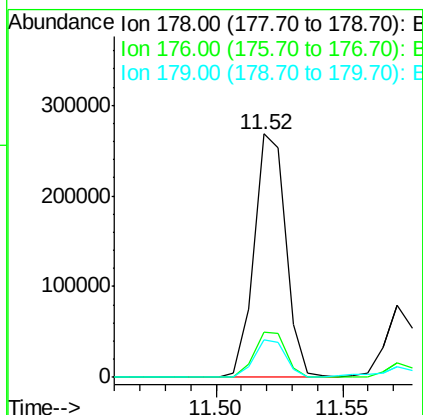
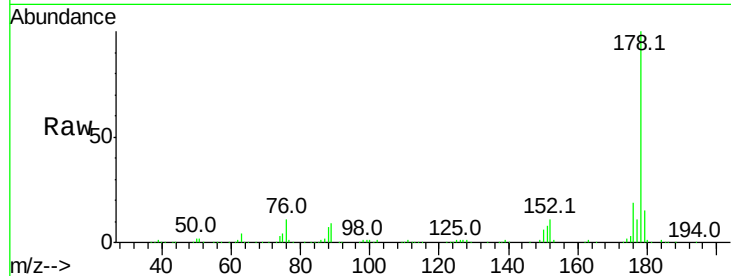
#70
Phenanthrene
Concen: 13.954 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.4	13.0	19.6

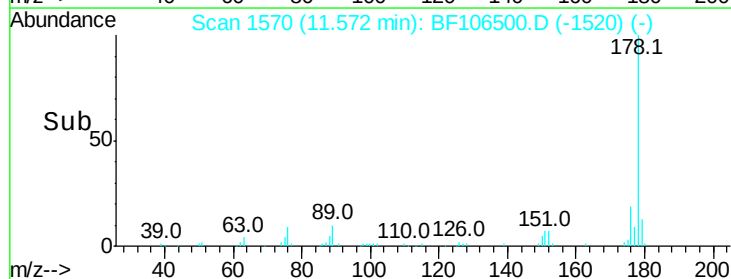
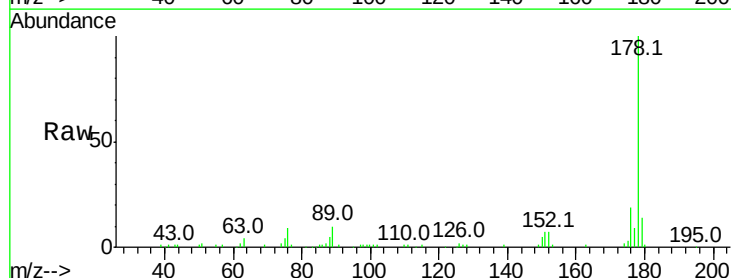
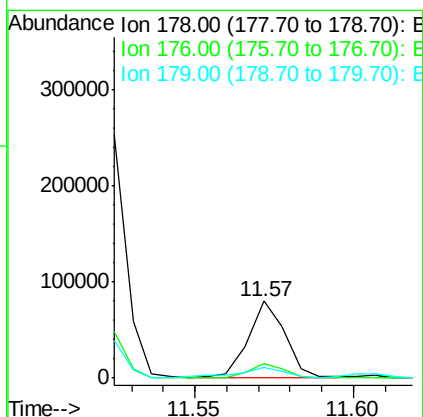
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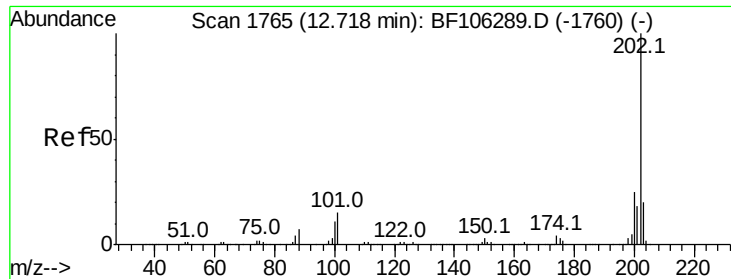
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#71
Anthracene
Concen: 3.725 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	13.9	12.6	19.0





#74

Fluoranthene

Concen: 29.920 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Instrument :

BNA_F

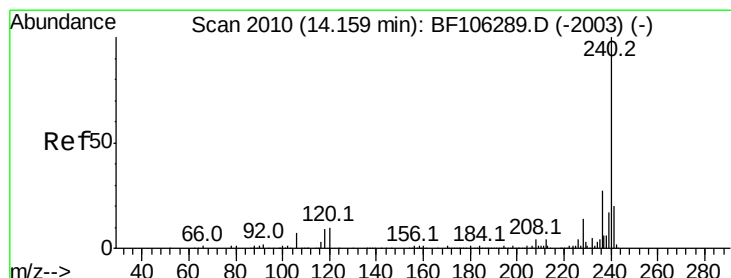
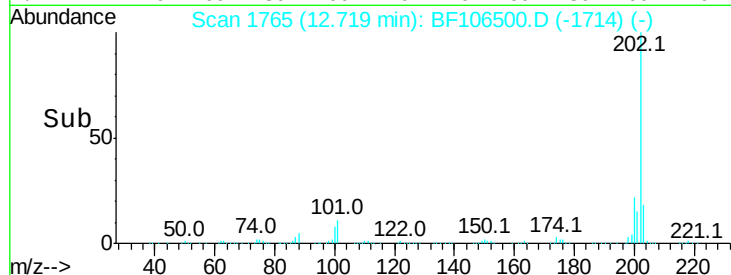
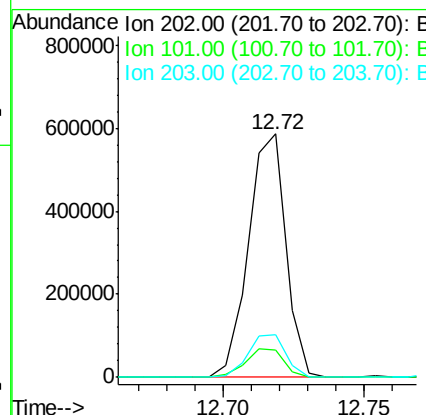
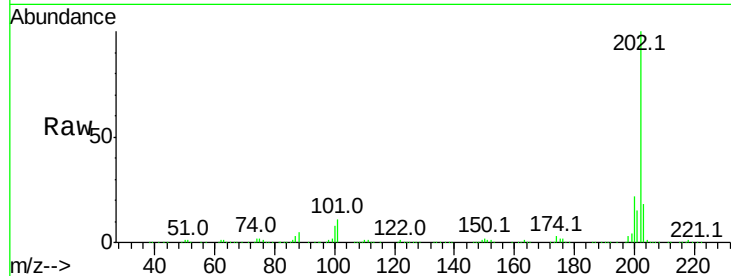
ClientSampleId :

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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

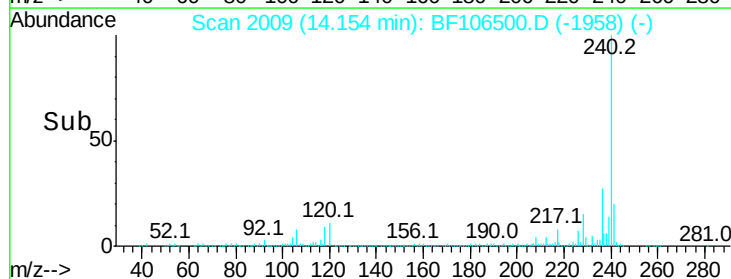
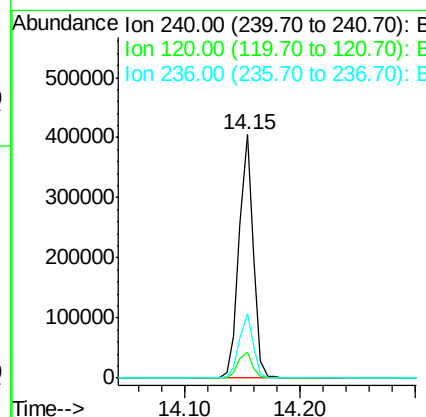
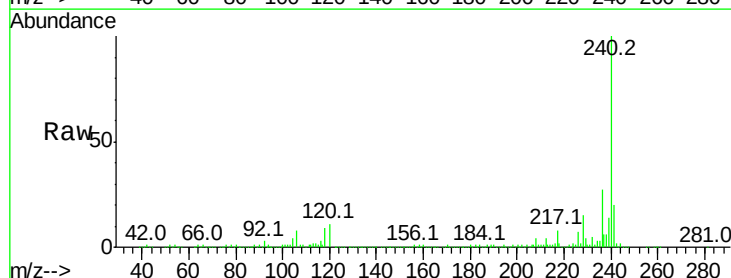
RT: 14.15 min Scan# 2009

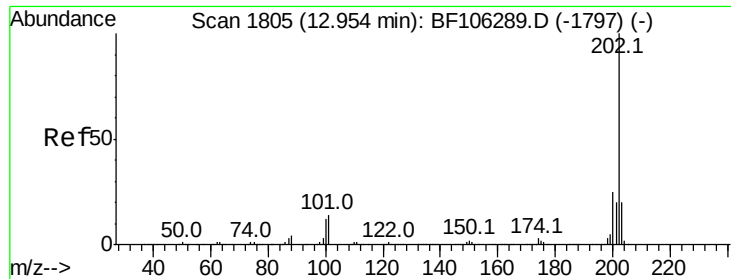
Delta R.T. 0.00 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.7	20.7	31.1





#77

Pvrene

Concen: 23.021 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Instrument :

BNA_F

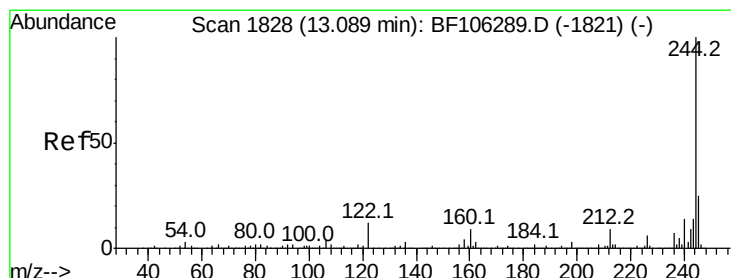
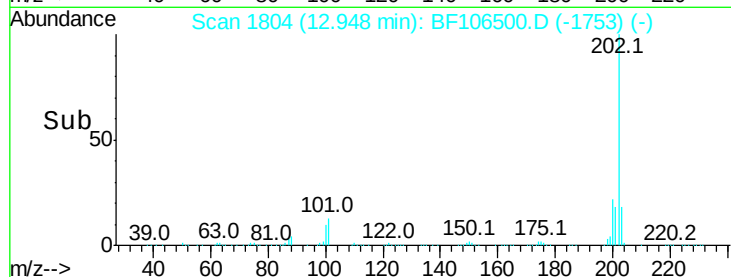
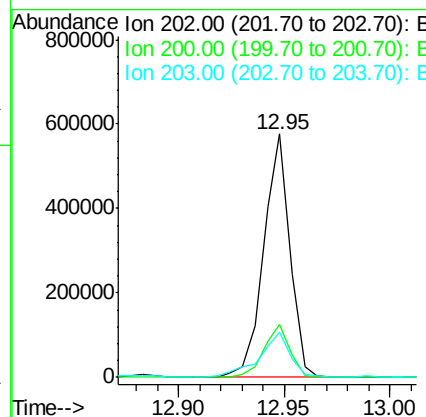
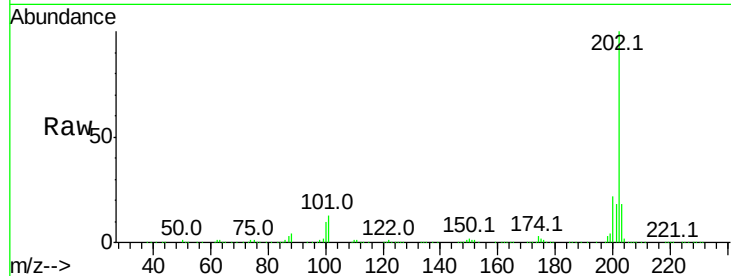
ClientSampleId :

DOCUMENTATION-9

Tot Ion:	202	Resp:	498628
Ion Ratio		Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.3	21.5

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#78

Terphenyl-d14

Concen: 51.002 ng

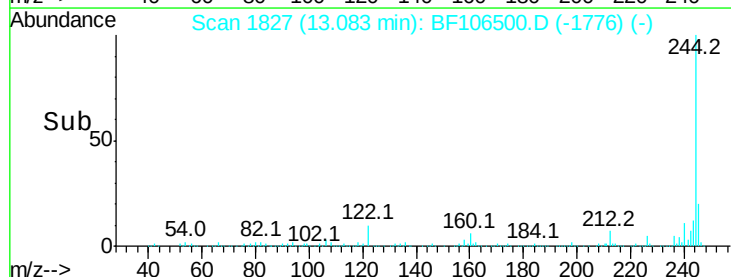
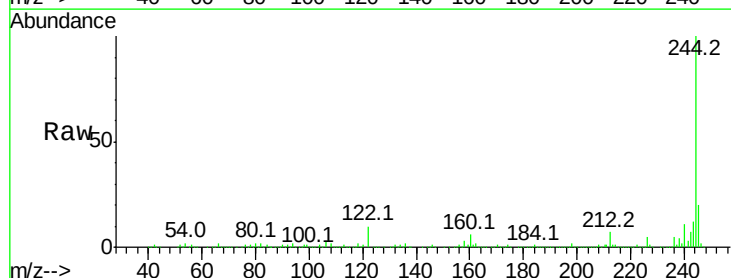
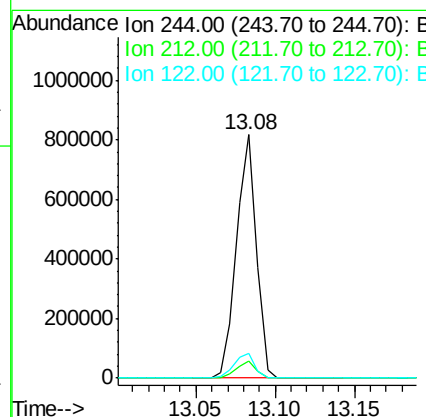
RT: 13.08 min Scan# 1827

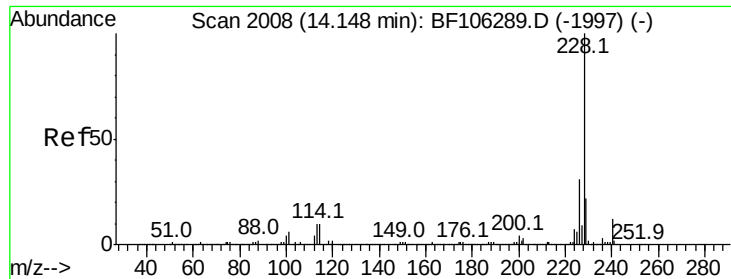
Delta R.T. 0.00 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Tgt Ion:	244	Resp:	710413
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	10.0	11.0	16.4





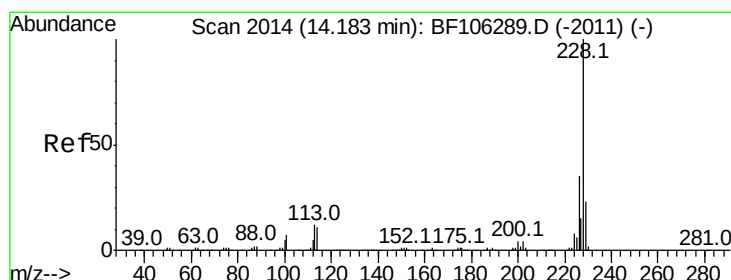
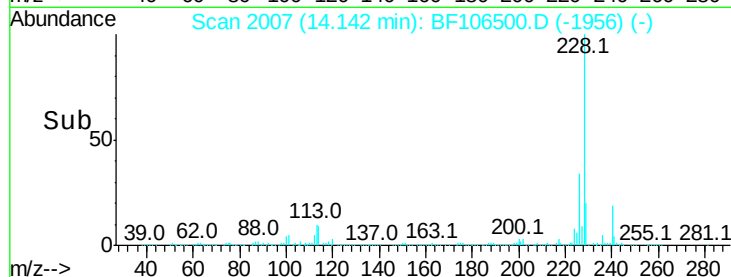
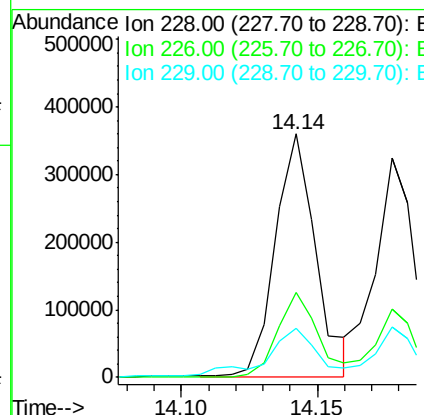
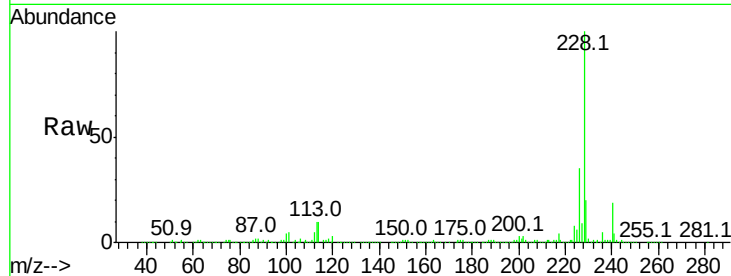
#80
Benzo(a)anthracene
Concen: 18.019 ng m
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.6	22.6	33.8#
229	20.4	15.8	23.6

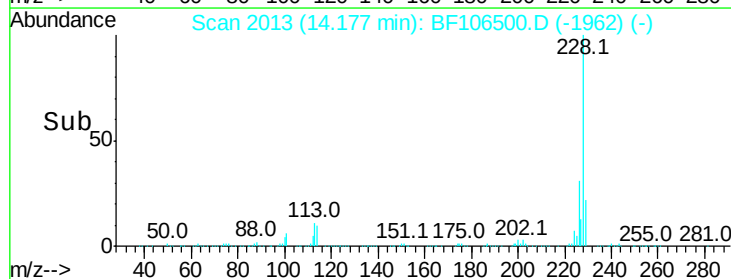
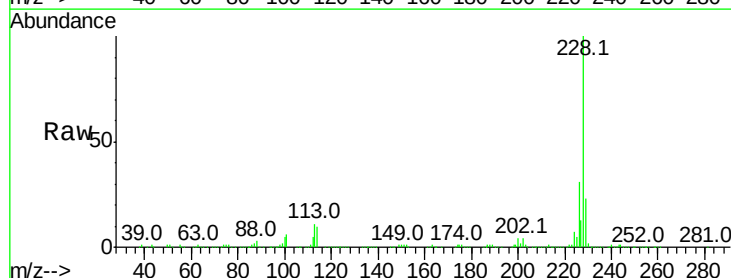
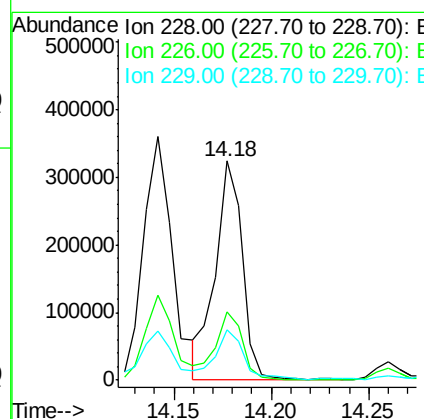
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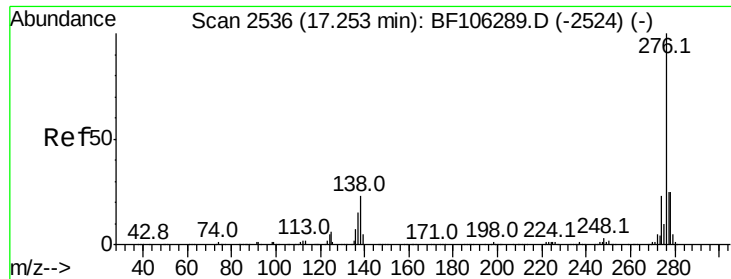
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#82
Chrysene
Concen: 16.398 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.1	16.2	24.4





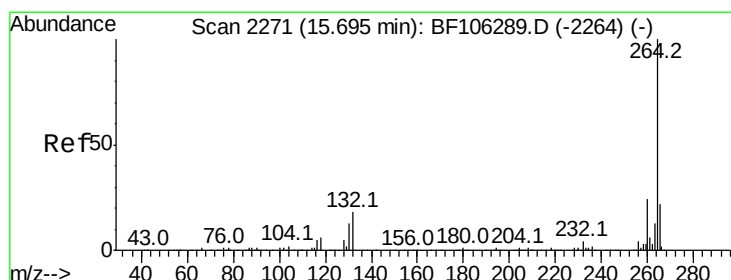
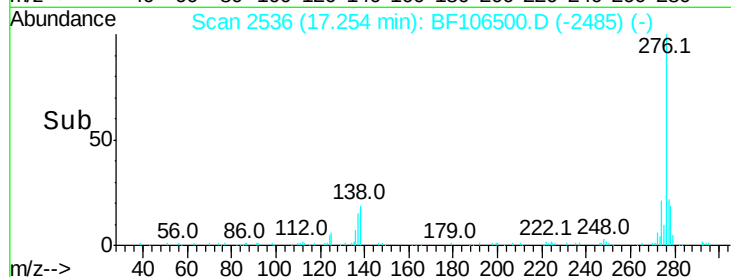
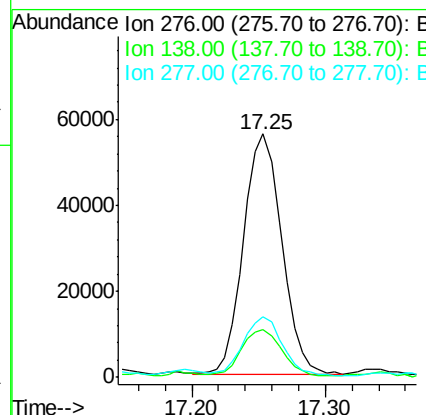
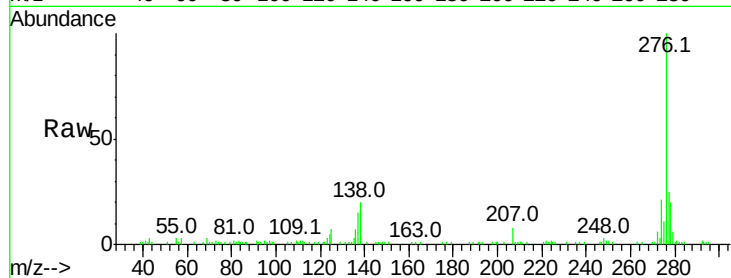
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.414 ng
RT: 17.25 min Scan# 2536
Delta R.T. 0.00 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	24.9	20.1	30.1

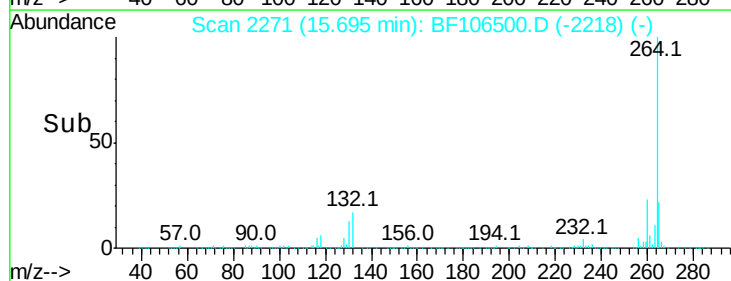
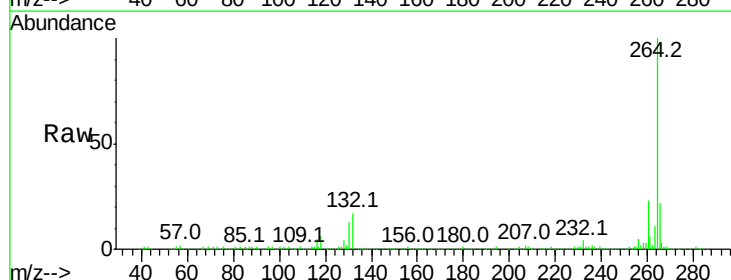
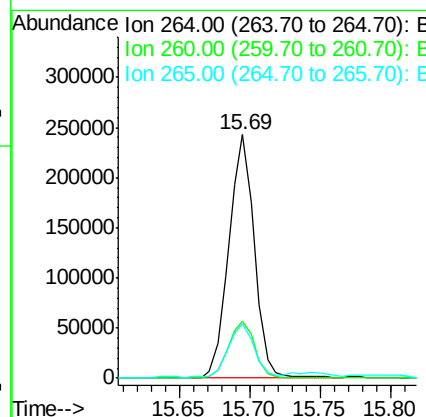
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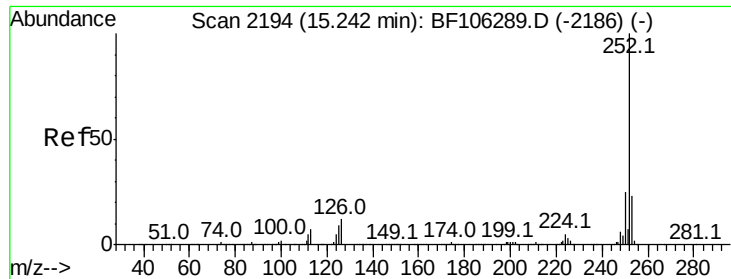
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.1	17.5	26.3





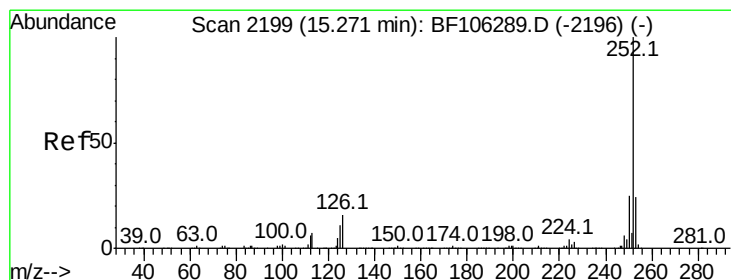
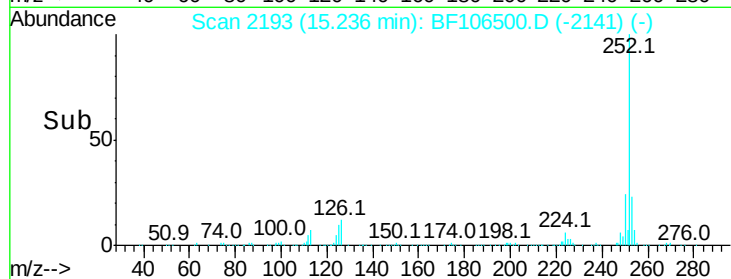
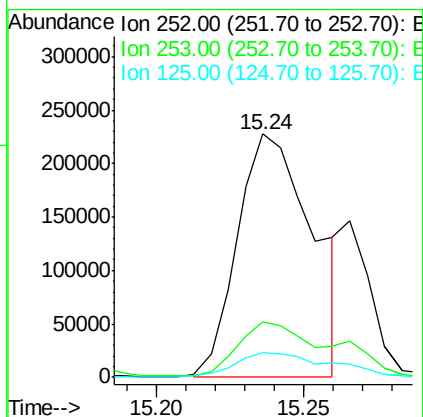
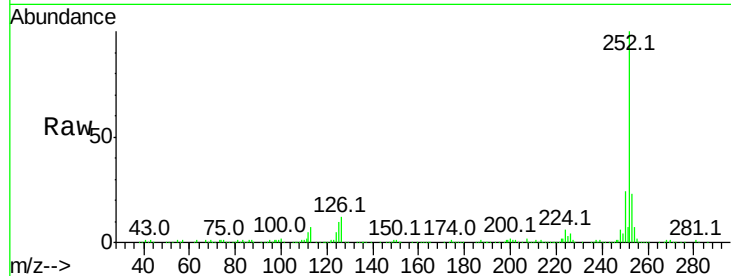
#87
Benzo(b)fluoranthene
Concen: 22.018 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	10.1	9.0	13.6

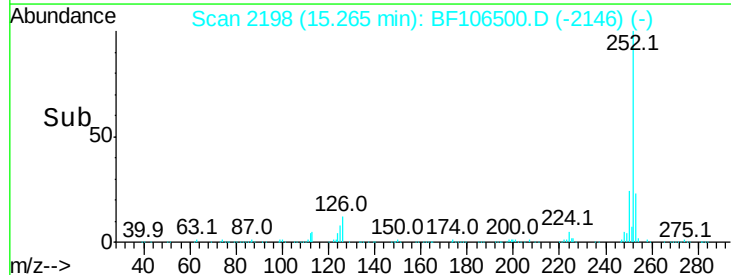
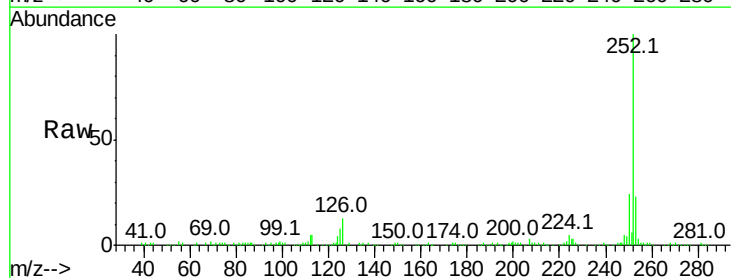
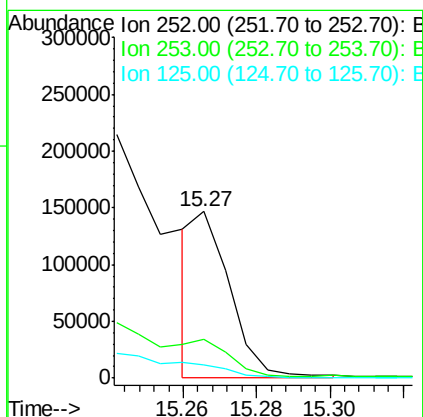
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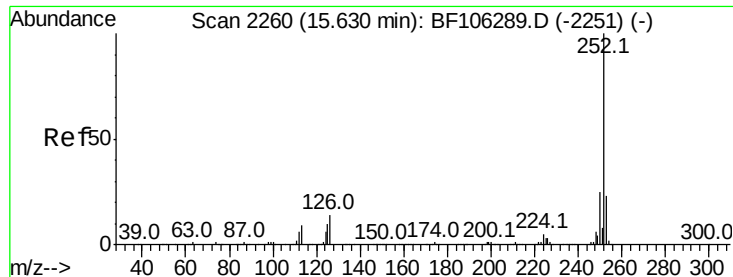
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#88
Benzo(k)fluoranthene
Concen: 5.509 ng m
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF106500.D
Acq: 15 Jun 2018 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	8.2	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 15.882 ng

RT: 15.62 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Instrument :

BNA_F

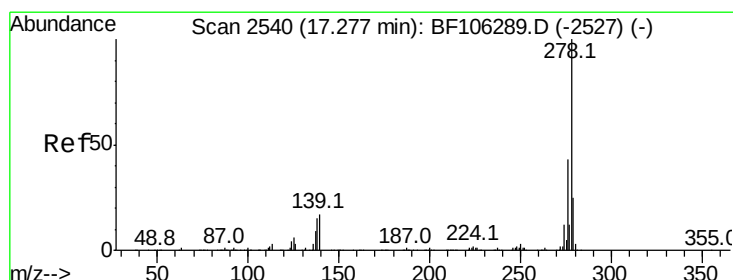
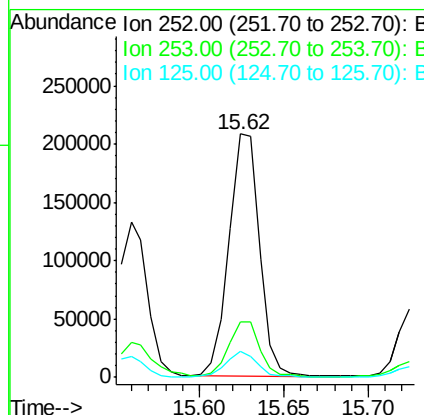
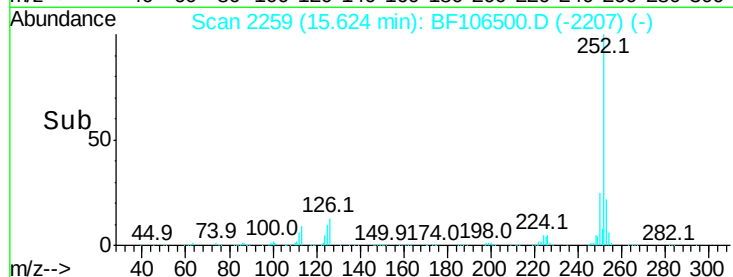
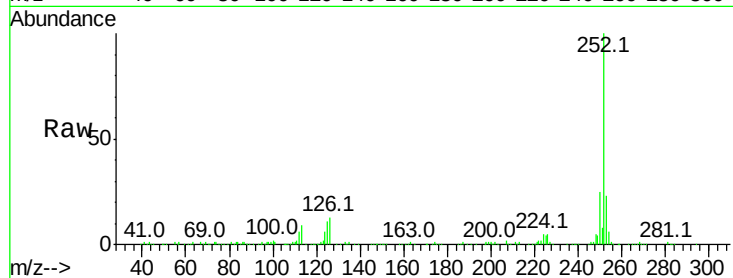
ClientSampleId :

DOCUMENTATION-9

Tot Ion:	252	Resp:	262399
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	10.5	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.079 ng

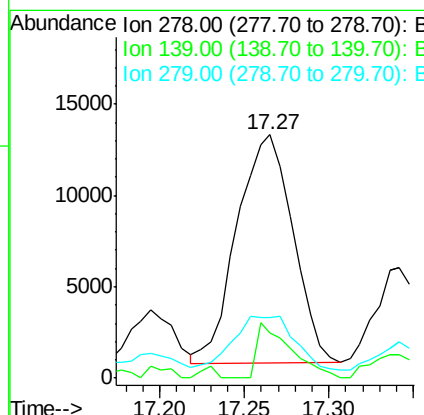
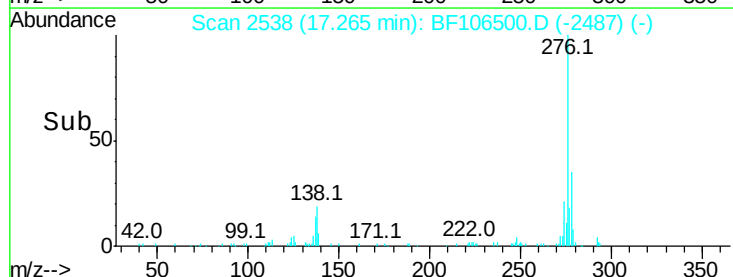
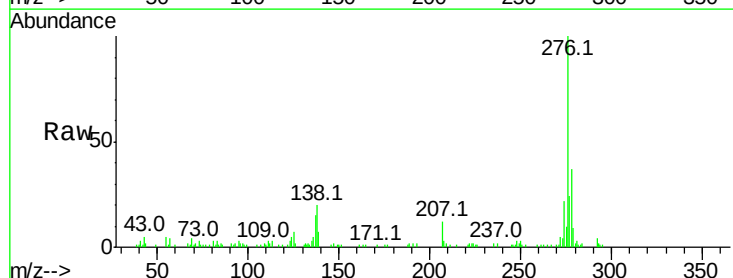
RT: 17.27 min Scan# 2538

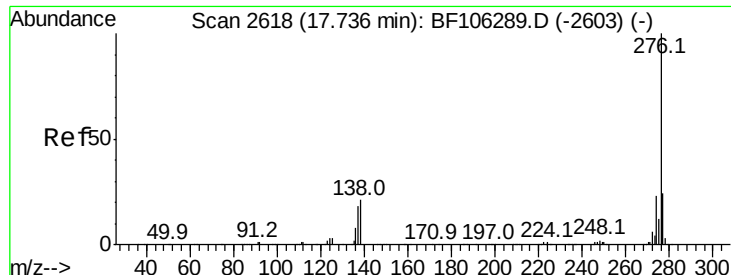
Delta R.T. 0.00 min

Lab File: BF106500.D

Acq: 15 Jun 2018 19:00

Tgt Ion:	278	Resp:	28637
Ion Ratio	Lower	Upper	
278	100		
139	18.5	15.9	23.9
279	24.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.554 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. 0.00 min
 Lab File: BF106500.D
 Acq: 15 Jun 2018 19:00

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-9

Tot Ion:	276	Resp:	101115
Ion Ratio	Lower	Upper	
276	100		
277	23.3	17.9	26.9
138	22.0	21.8	32.8

Manual Integrations
 APPROVED

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