

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106503.D
 Acq On : 15 Jun 2018 20:19
 Operator : JU/SJ
 Sample : J3486-02 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

Manual Integrations
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 6/18/2018 10:38:33 AM

Quant Time: Jun 18 05:04:46 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	125009	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	456459	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	185800	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	323143	20.00	ng	0.00
75) Chrysene-d12	14.15	240	327538	20.00	ng	0.00
86) Perylene-d12	15.69	264	232102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	386009	52.26	ng	0.00
7) Phenol-d6	6.61	99	472082	50.59	ng	0.00
23) Nitrobenzene-d5	7.52	82	293583	37.84	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	92410	51.69	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	482783	36.66	ng	0.00
78) Terphenyl-d14	13.08	244	455356	34.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	50909	3.835	ng	Qvalue # 99
57) Fluorene	10.55	166	25991	2.140	ng	99
70) Phenanthrene	11.52	178	349798	22.103	ng	98
71) Anthracene	11.57	178	113817	7.179	ng	98
72) Carbazole	11.73	167	41723	2.851	ng	99
74) Fluoranthene	12.72	202	756402	44.818	ng	96
77) Pyrene	12.95	202	708115	34.532	ng	99
79) Butylbenzylphthalate	13.55	149	18260	2.379	ng	98
80) Benzo(a)anthracene	14.14	228	449141	23.043	ng	96
82) Chrysene	14.18	228	407744	22.912	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	44757	4.067	ng	100
85) Indeno(1,2,3-cd)pyrene	17.25	276	148870	10.482	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	464957m	33.139	ng	
88) Benzo(k)fluoranthene	15.26	252	123036m	8.855	ng	
89) Benzo(a)pyrene	15.62	252	290326	23.006	ng	95
90) Dibenzo(a,h)anthracene	17.26	278	40368m	3.837	ng	
91) Benzo(a,h,i)perylene	17.73	276	146984	14.376	ng	# 93

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

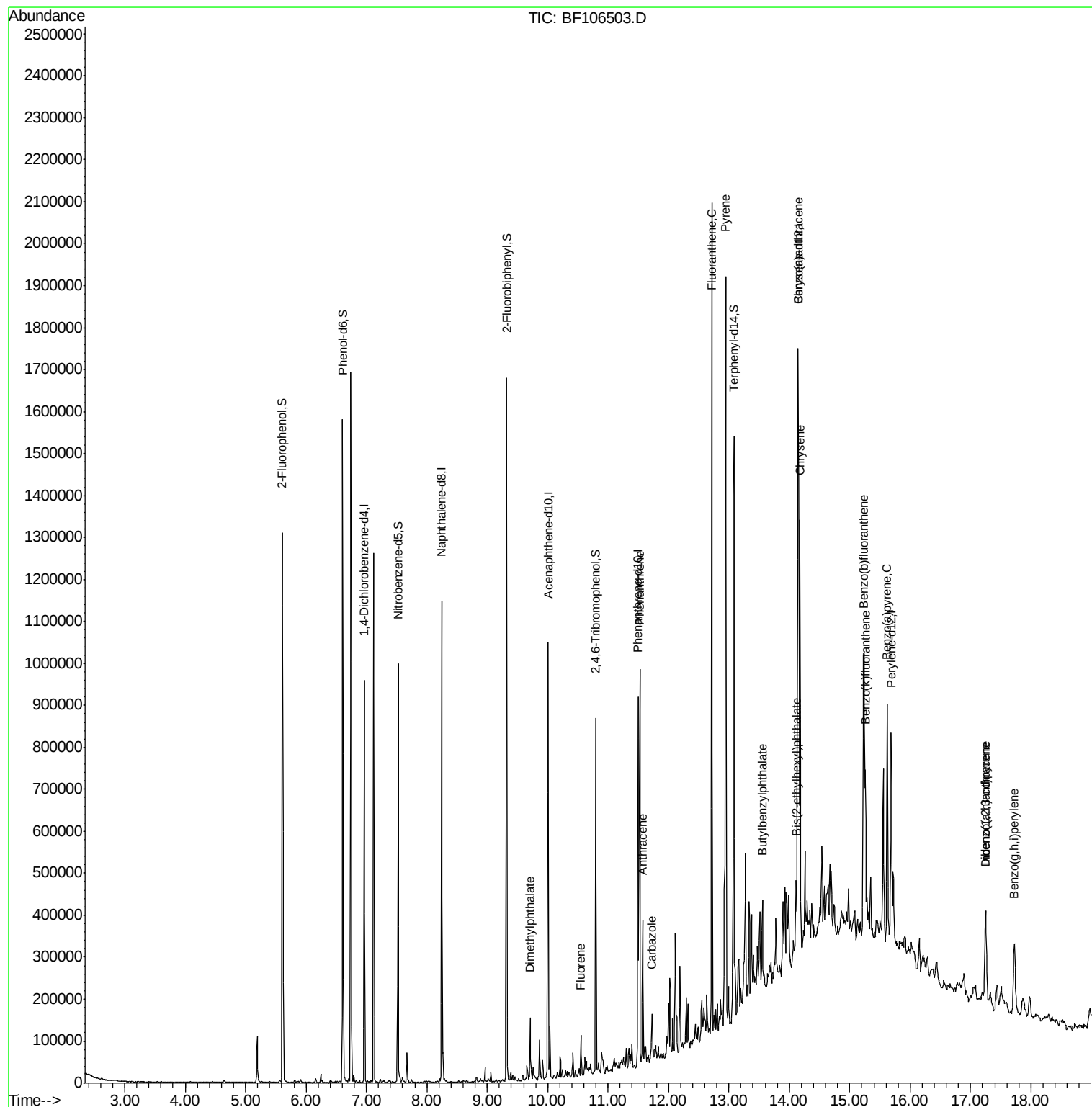
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
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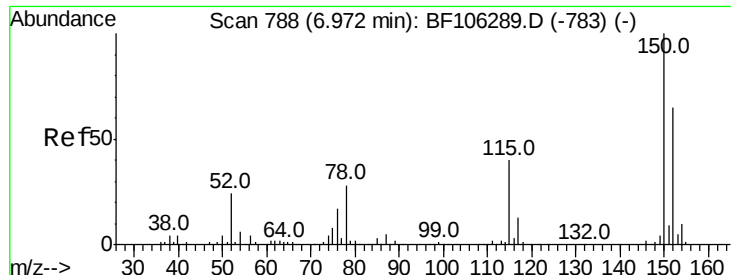
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#1

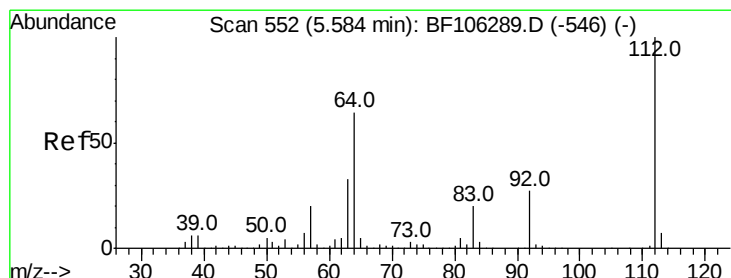
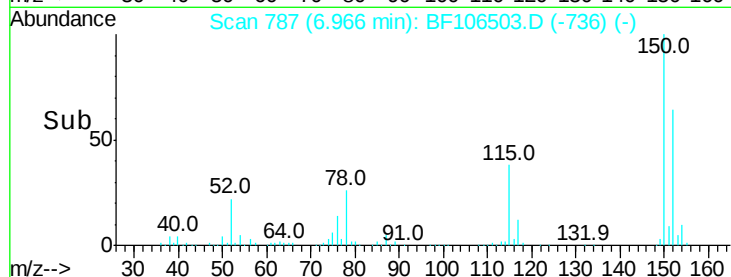
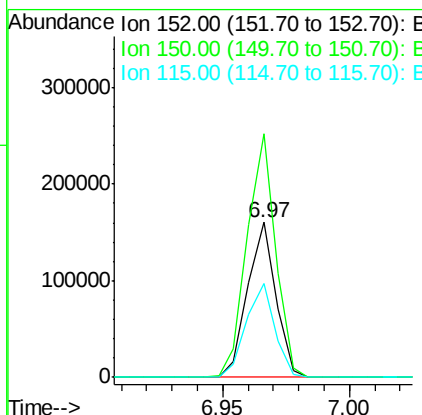
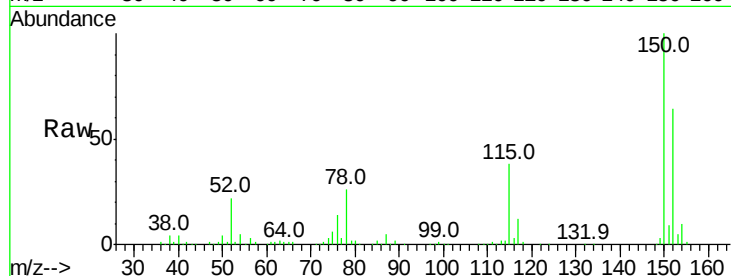
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	60.2	50.1	75.1

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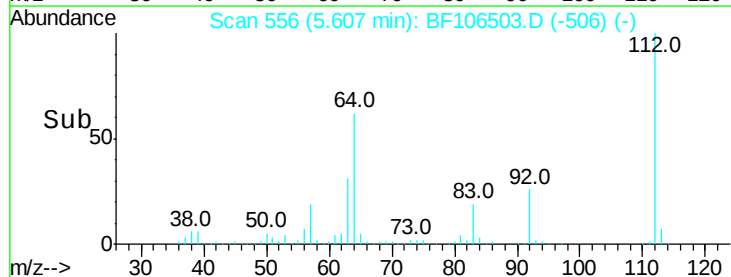
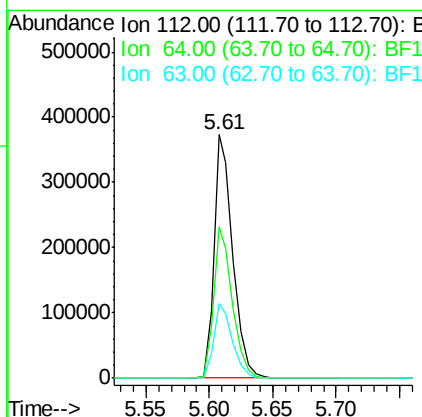
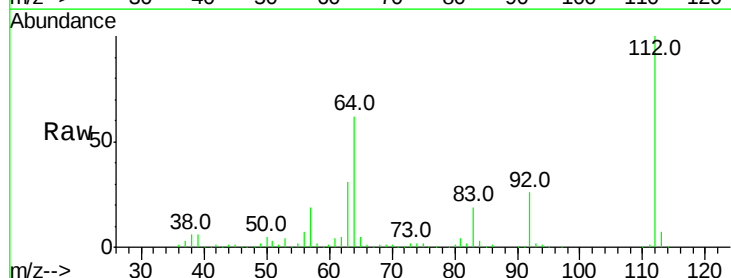
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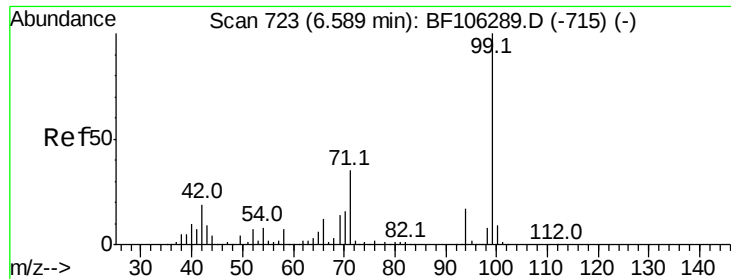


#5

2-Fluorophenol
Concen: 52.262 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 50.590 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

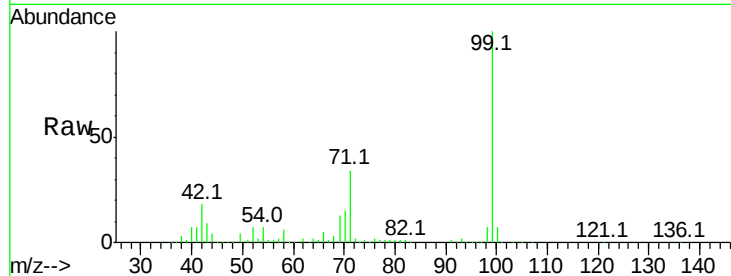
ClientSampleId :

DOCUMENTATION-5

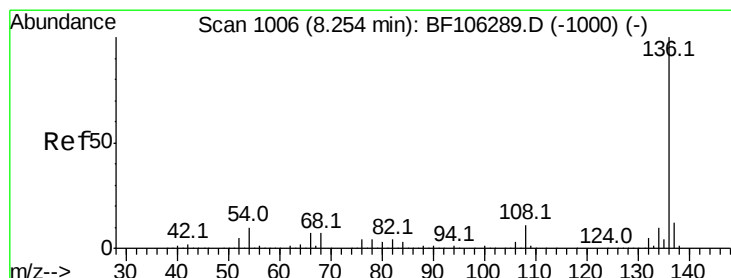
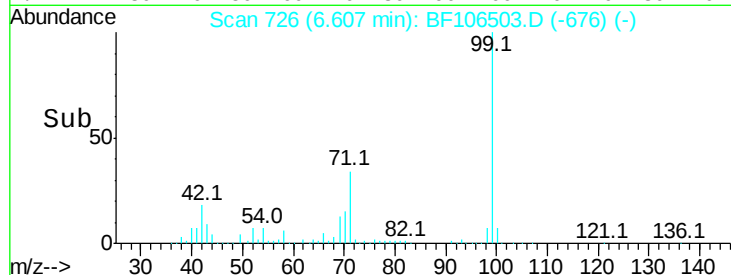
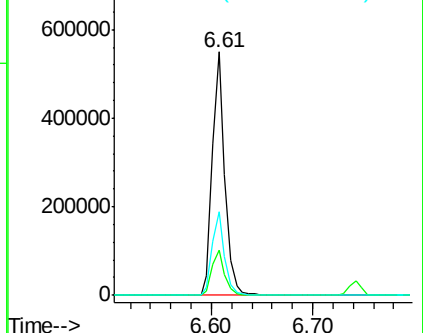
Tot Ion:	99	Resp:	472082
Ion Ratio	Lower	Upper	
99	100		
42	18.3	14.5	21.7
71	34.3	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

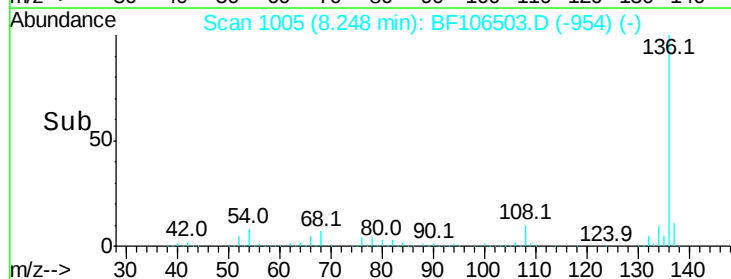
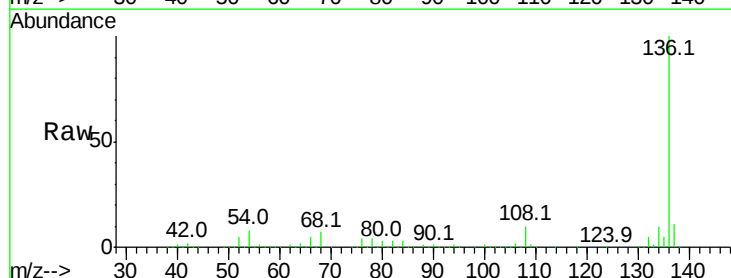
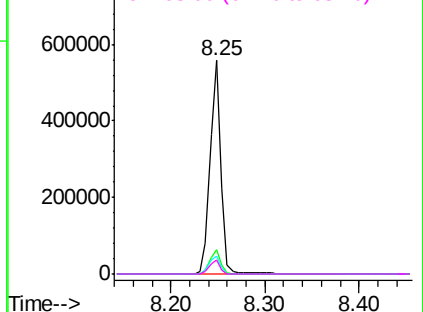
Delta R.T. 0.00 min

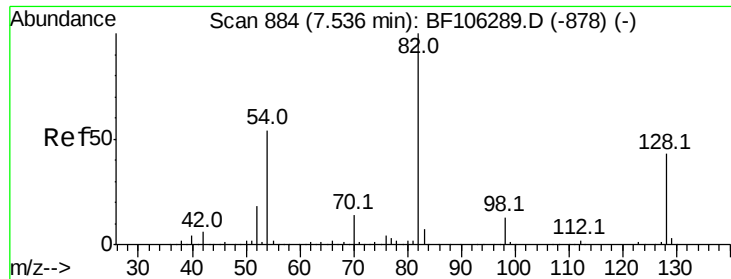
Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Tgt Ion:	136	Resp:	456459
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.2	6.6	9.8
68	6.7	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





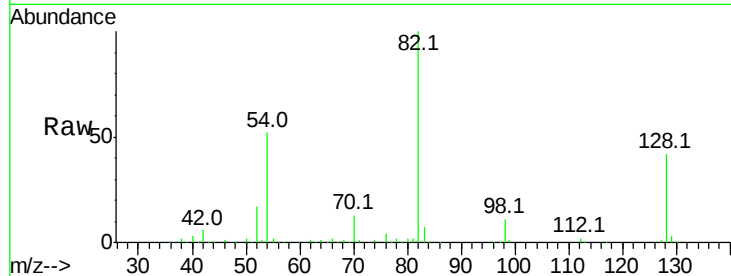
#23
 Nitrobenzene-d5
 Concen: 37.837 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

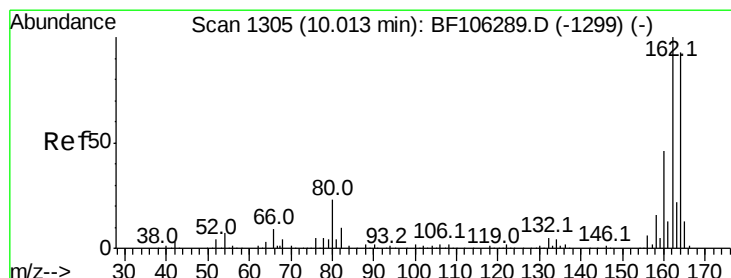
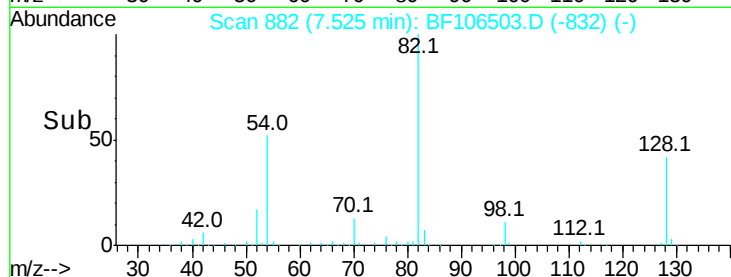
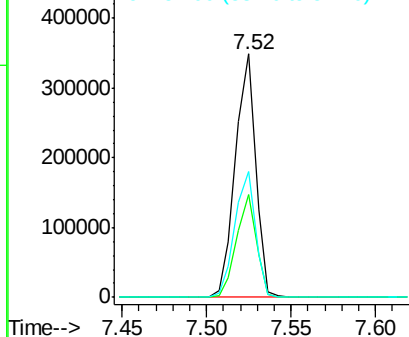
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.1	36.1	54.1	
54	51.8	41.4	62.2	

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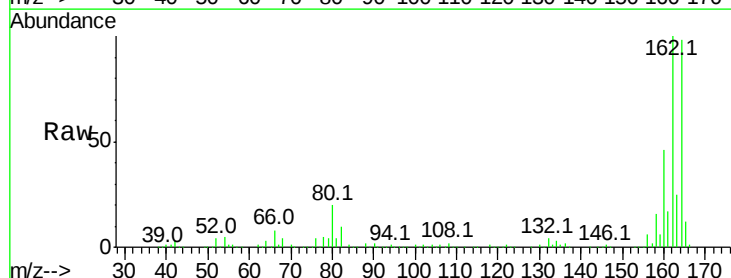


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

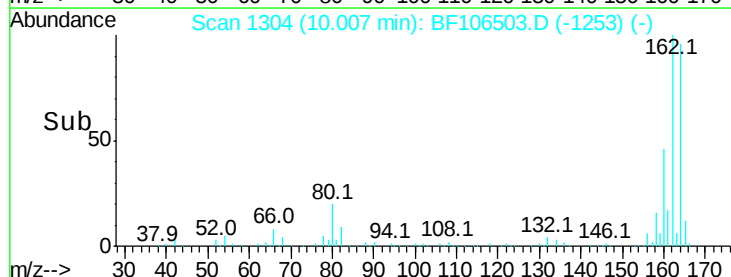
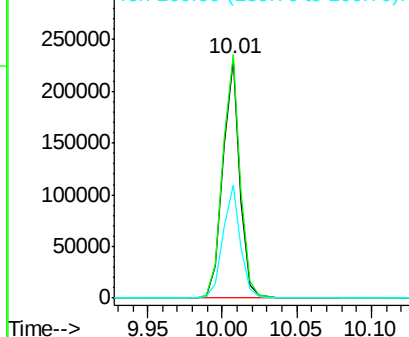


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	86.1	129.1	
160	47.3	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





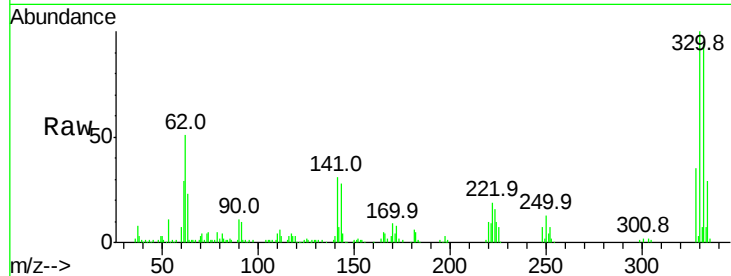
#41
 2,4,6-Tribromophenol
 Concen: 51.692 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

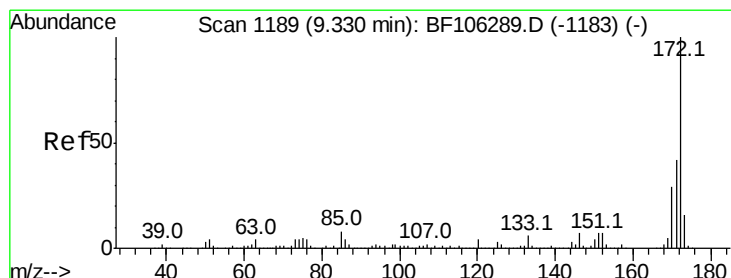
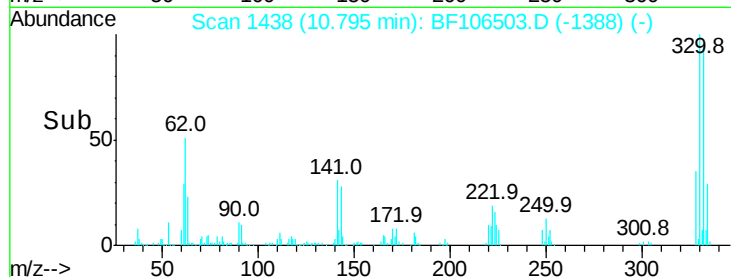
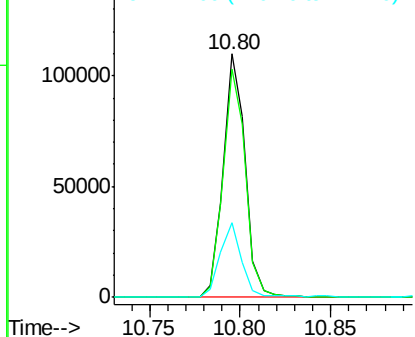
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	30.8	29.9	44.9

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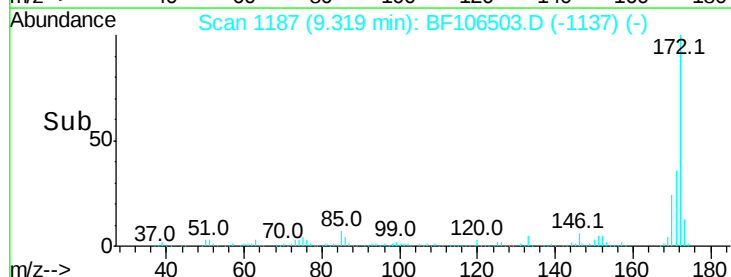
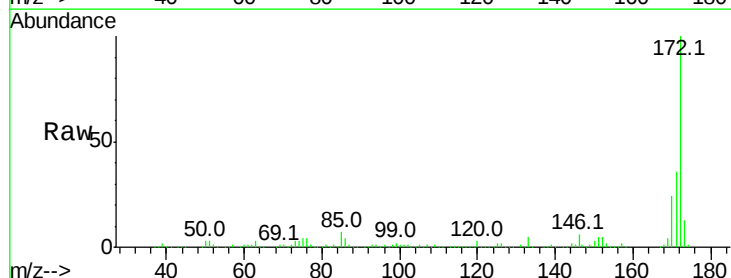
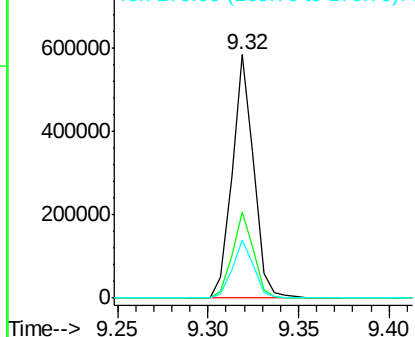
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

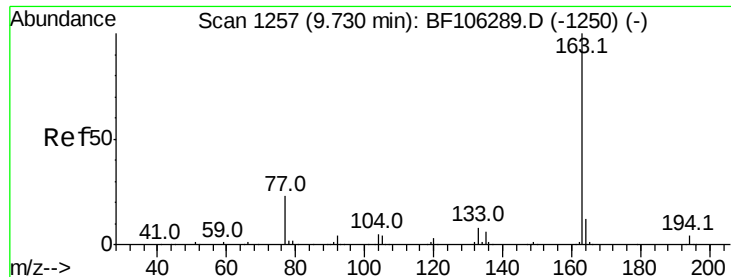


#44
 2-Fluorobiphenyl
 Concen: 36.656 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.0	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





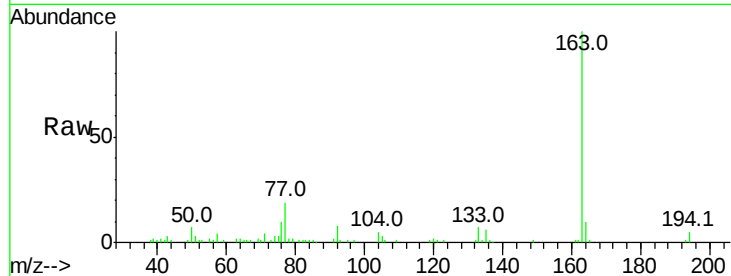
#49
Dimethylphthalate
Concen: 3.835 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

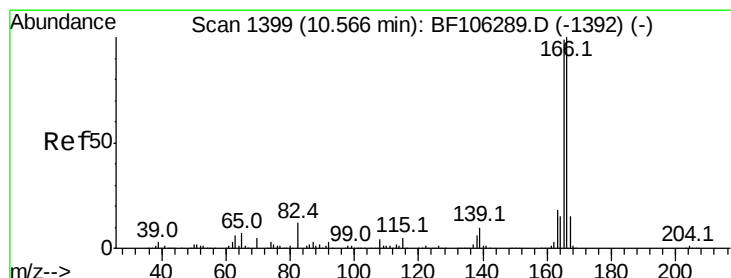
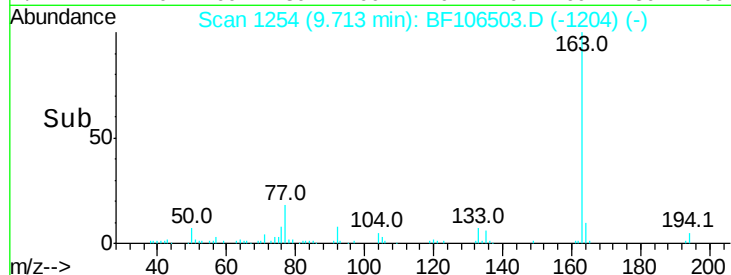
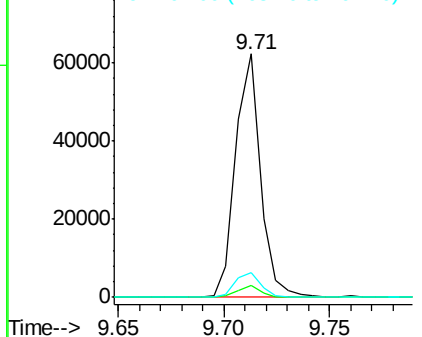
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.7	4.1#
164	10.1	8.2	12.2

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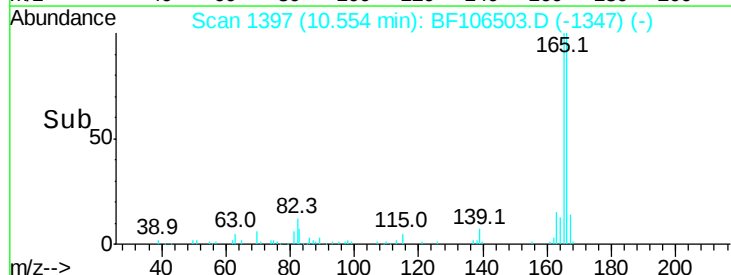
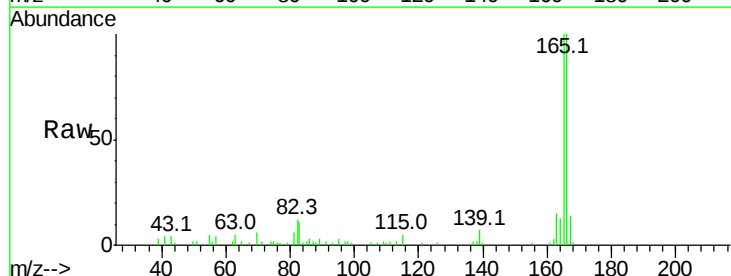
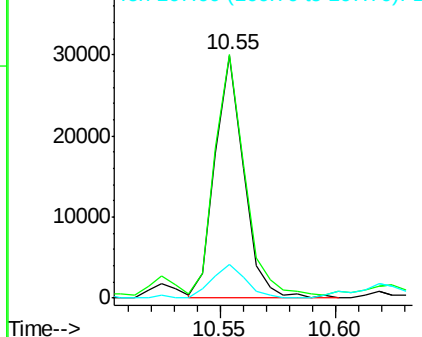
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

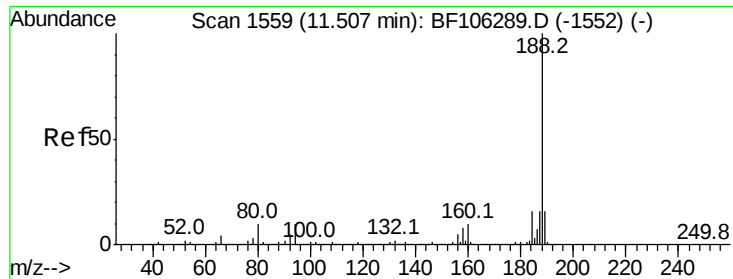


#57
Fluorene
Concen: 2.140 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	13.9	10.6	16.0

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





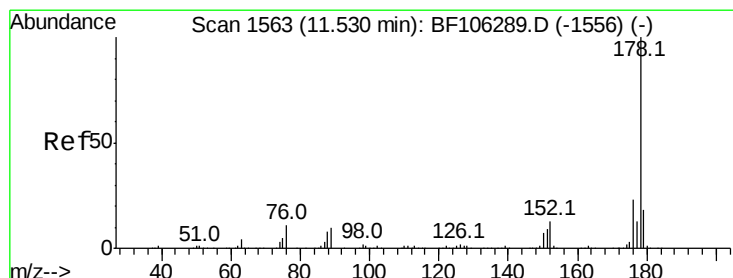
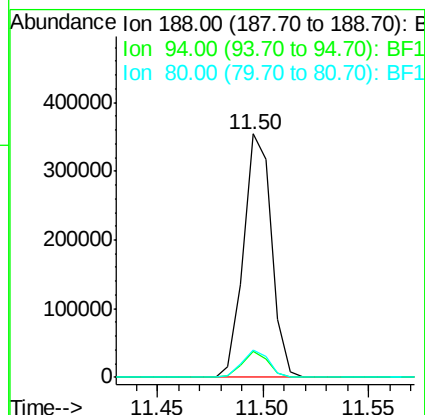
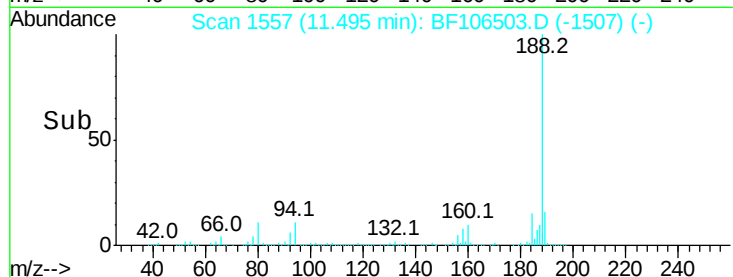
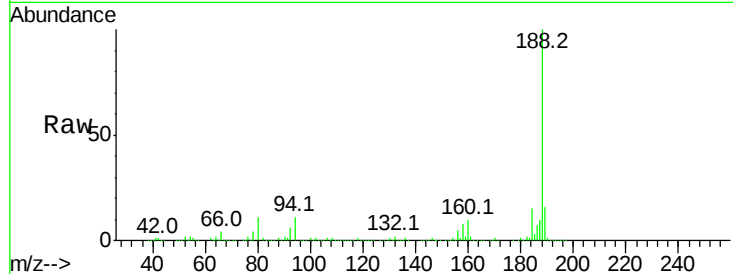
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
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DOCUMENTATION-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.6	8.5	12.7	
80	11.3	9.2	13.8	

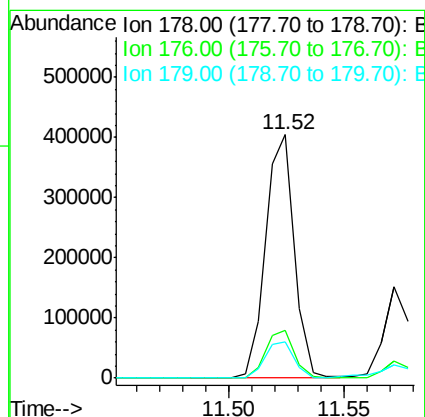
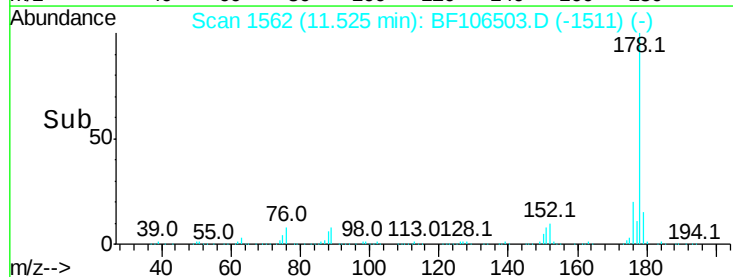
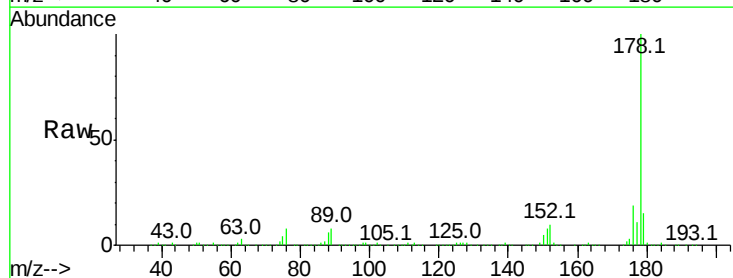
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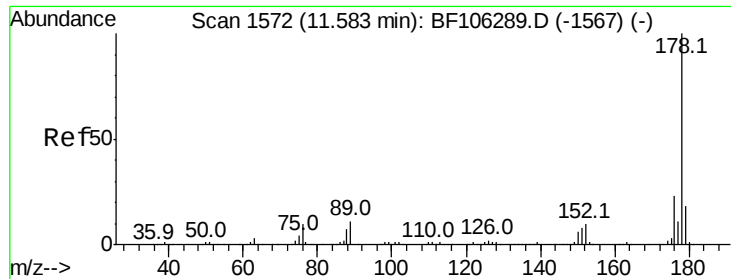
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#70
Phenanthrene
Concen: 22.103 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.5	15.8	23.8	
179	15.1	13.0	19.6	





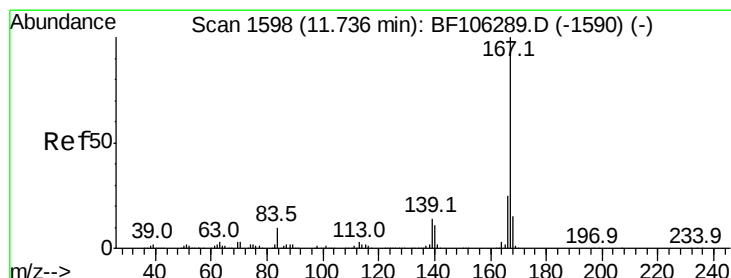
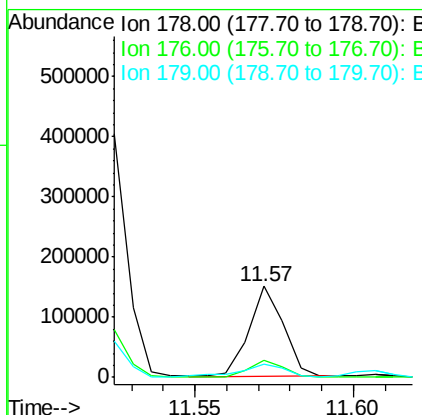
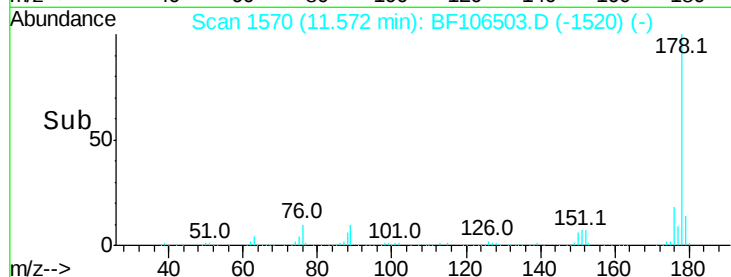
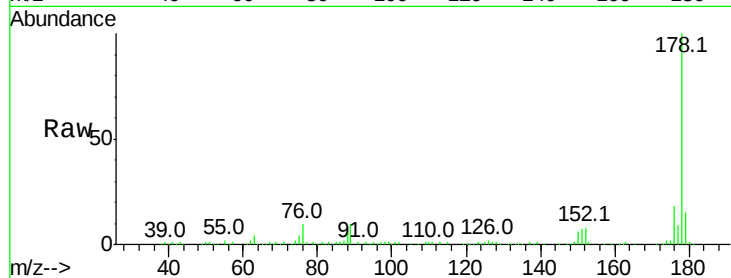
#71
 Anthracene
 Concen: 7.179 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.7	12.6	19.0

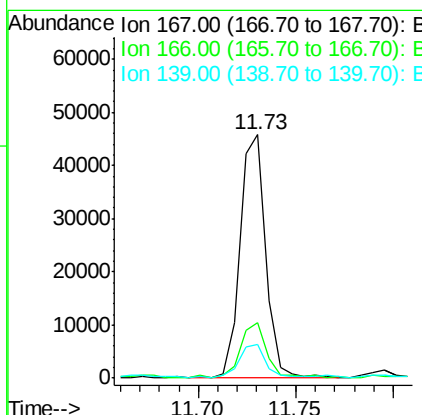
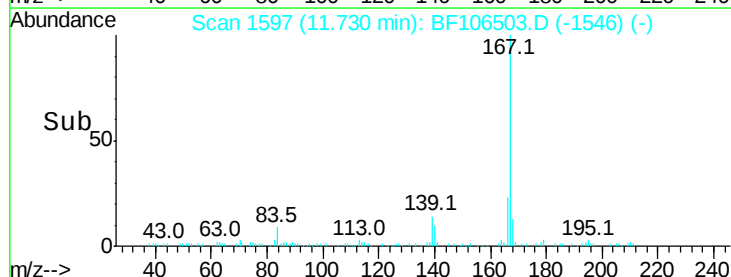
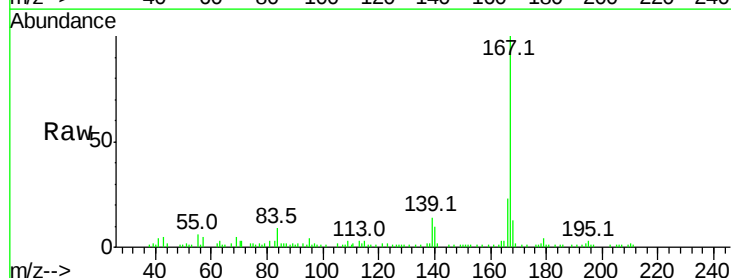
Manual Integrations
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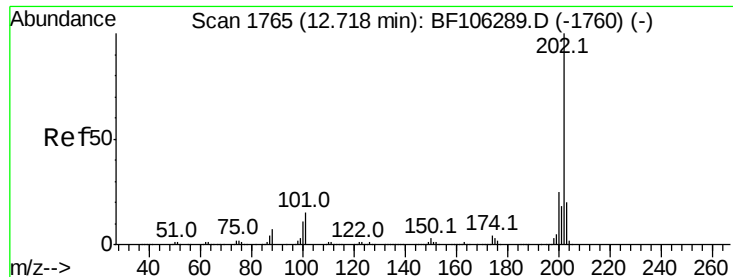
Sohil
 6/18/2018 10:38:33 AM



#72
 Carbazole
 Concen: 2.851 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.6	10.9	16.3





#74

Fluoranthene

Concen: 44.818 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

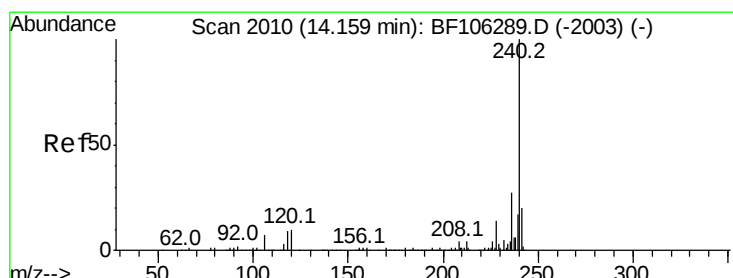
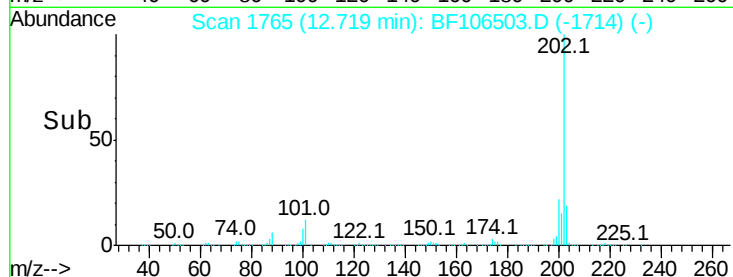
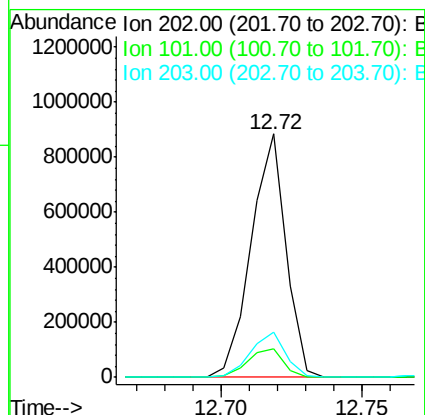
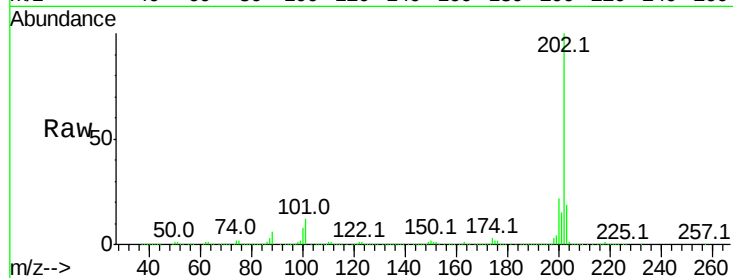
ClientSampleId :

DOCUMENTATION-5

Tot Ion:	202	Resp:	756402
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	18.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

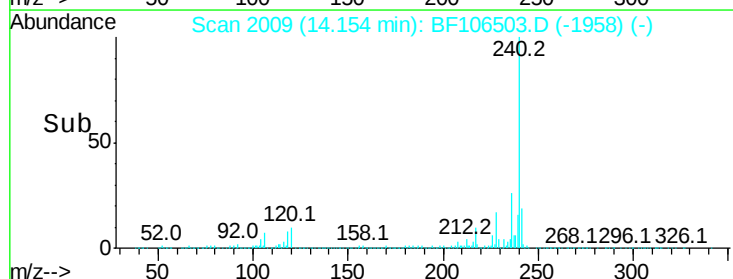
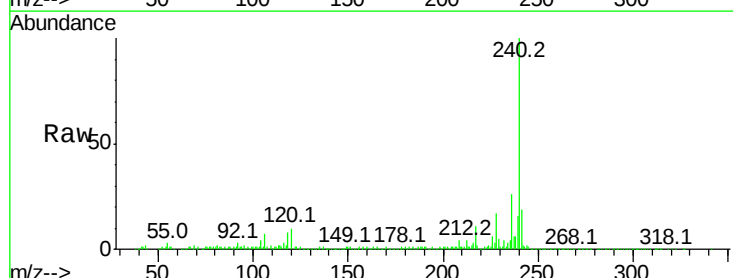
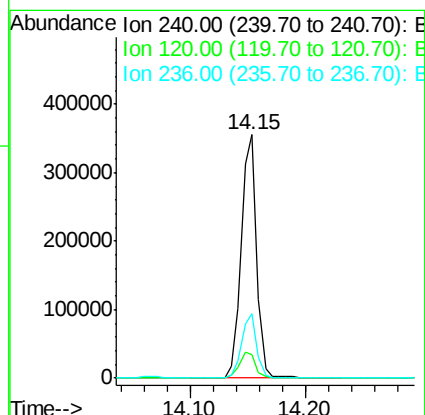
RT: 14.15 min Scan# 2009

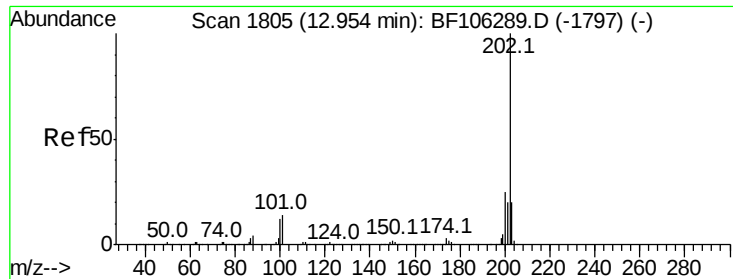
Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Tgt Ion:	240	Resp:	327538
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	26.2	20.7	31.1





#77

Pvrene

Concen: 34.532 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

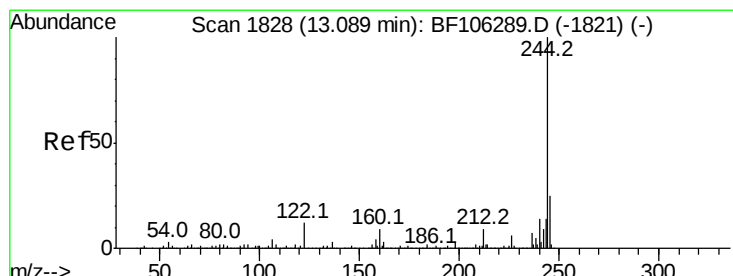
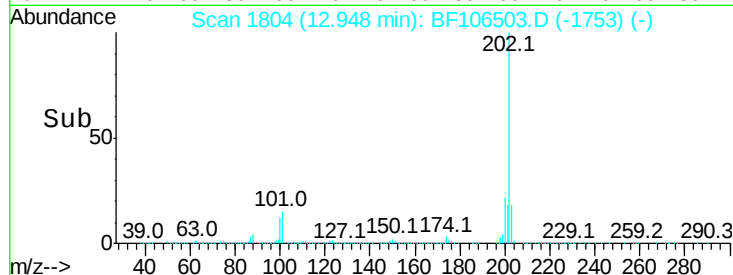
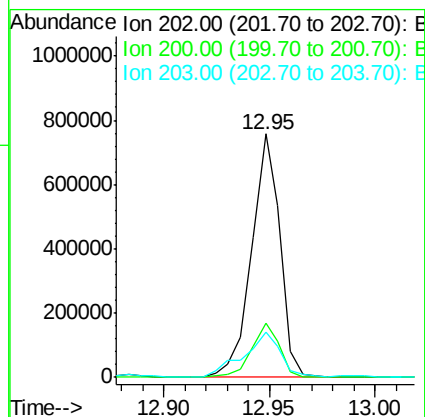
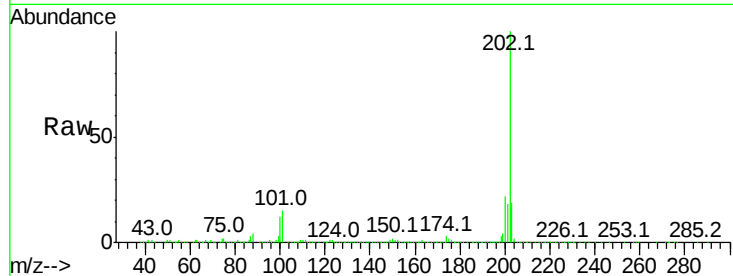
ClientSampleId :

DOCUMENTATION-5

Tot Ion:	202	Resp:	708115
Ion Ratio		Lower	Upper
202	100		
200	22.3	17.4	26.2
203	18.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 34.531 ng

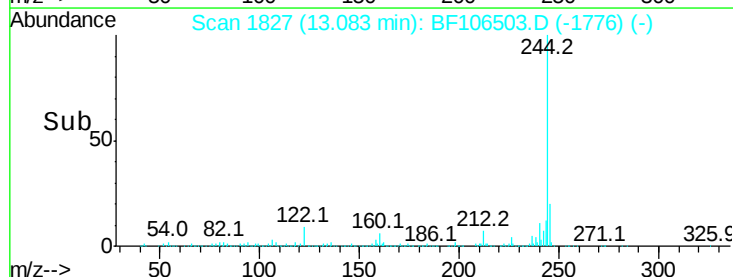
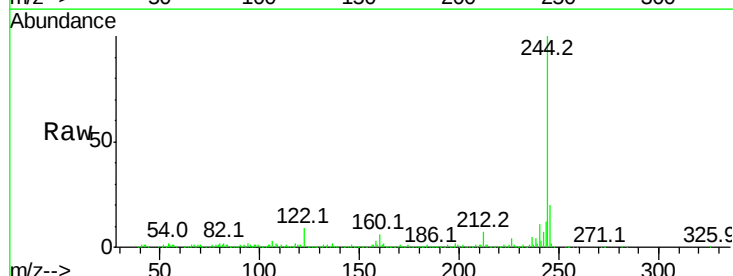
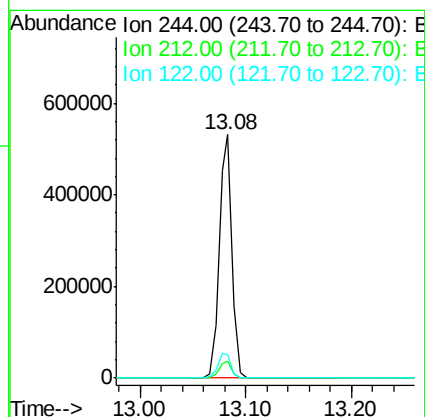
RT: 13.08 min Scan# 1827

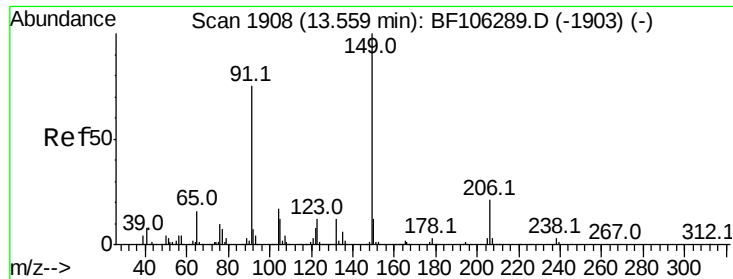
Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Tgt Ion:	244	Resp:	455356
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.5	11.0	16.4#





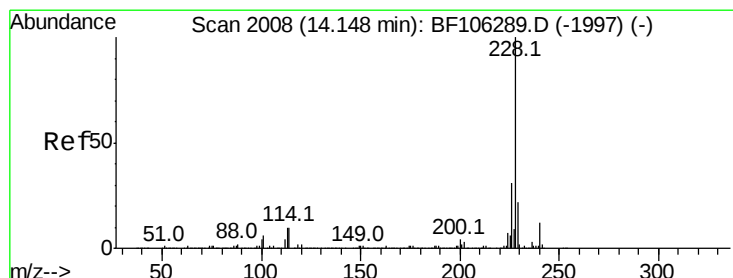
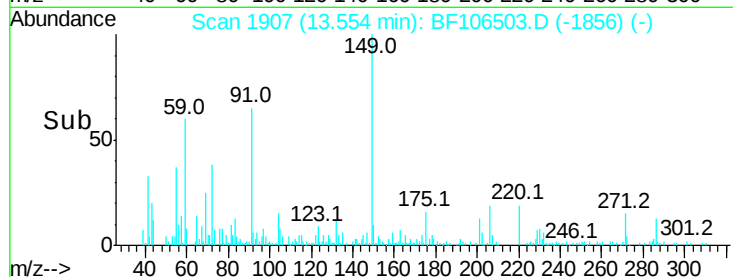
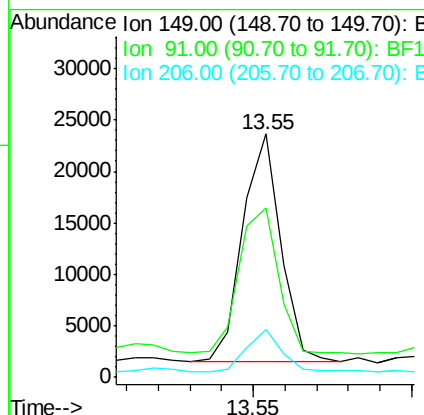
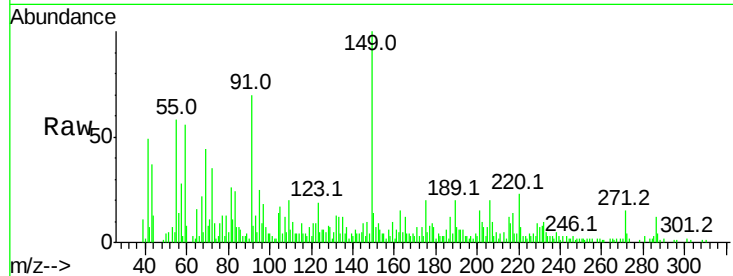
#79
 Butylbenzylphthalate
 Concen: 2.379 ng
 RT: 13.55 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

Tot Ion:	149	Resp:	18260
Ion Ratio	Lower	Upper	
149	100		
91	69.7	56.8	85.2
206	19.8	14.1	21.1

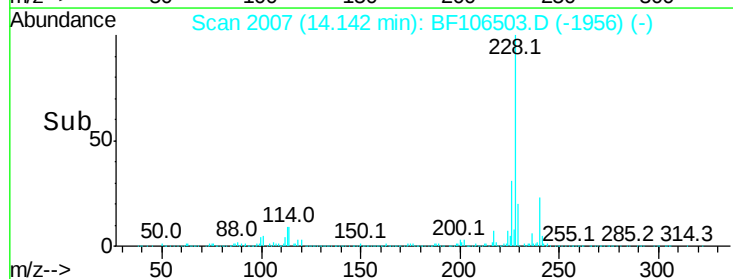
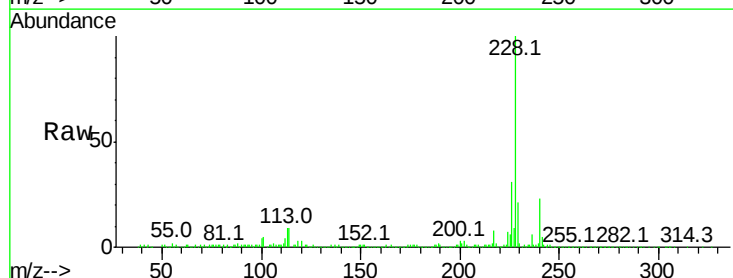
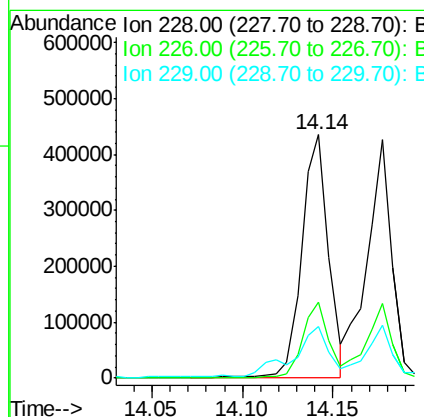
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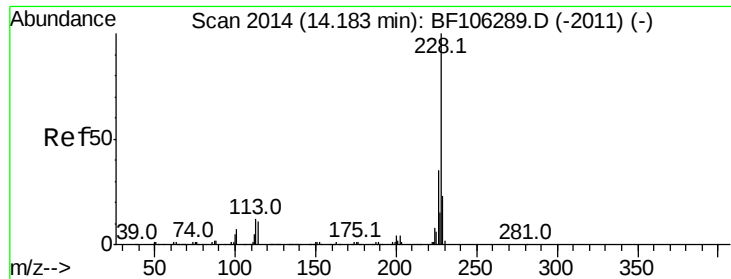
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#80
 Benzo(a)anthracene
 Concen: 23.043 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Tgt Ion:	228	Resp:	449141
Ion Ratio	Lower	Upper	
228	100		
226	31.0	22.6	33.8
229	21.1	15.8	23.6





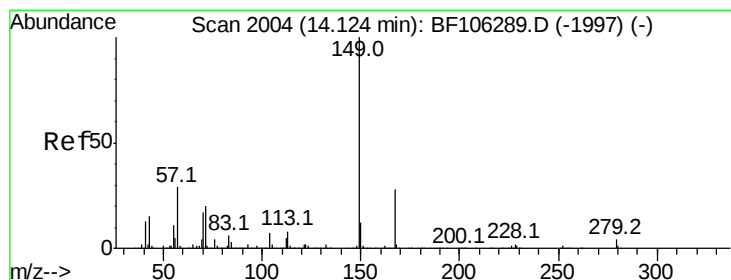
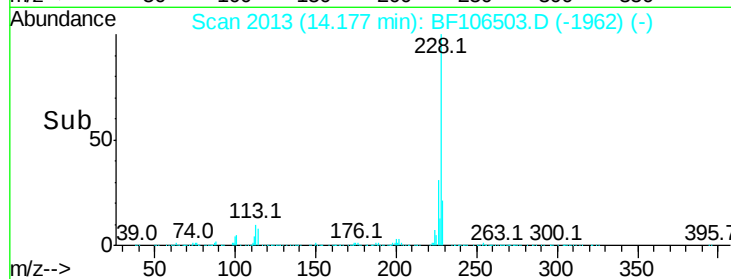
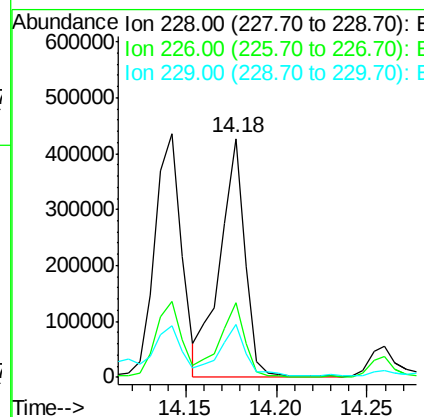
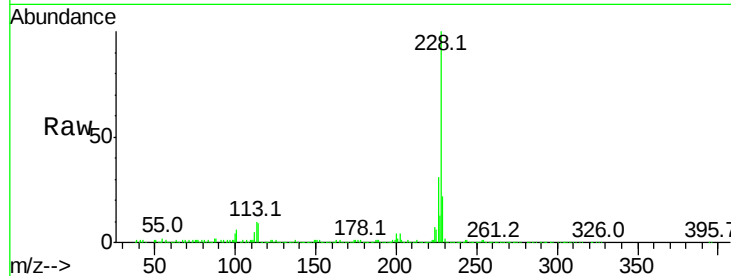
#82
Chrysene
Concen: 22.912 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

Tot Ion:	228	Resp:	407744
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.2	16.2	24.4

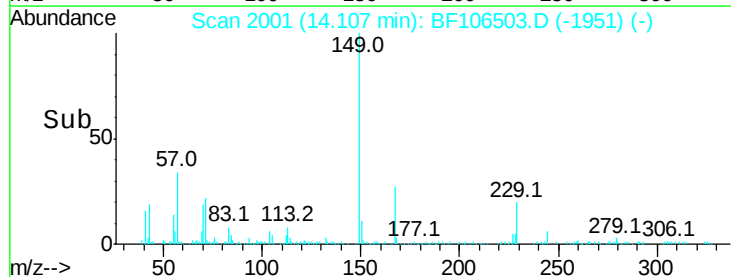
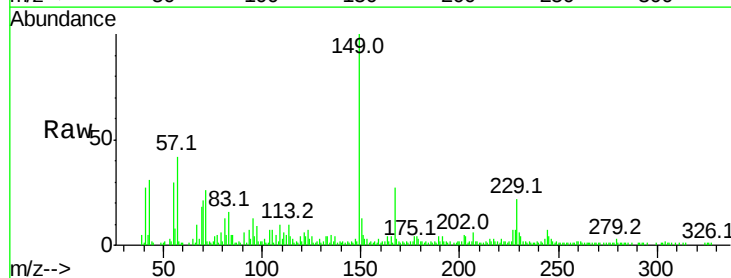
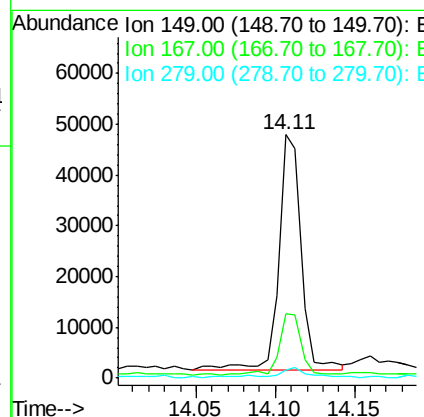
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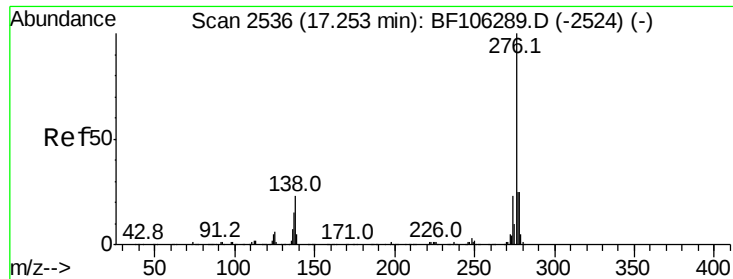
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 4.067 ng
RT: 14.11 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion:	149	Resp:	44757
Ion Ratio	Lower	Upper	
149	100		
167	26.7	21.3	31.9
279	3.1	3.0	4.4





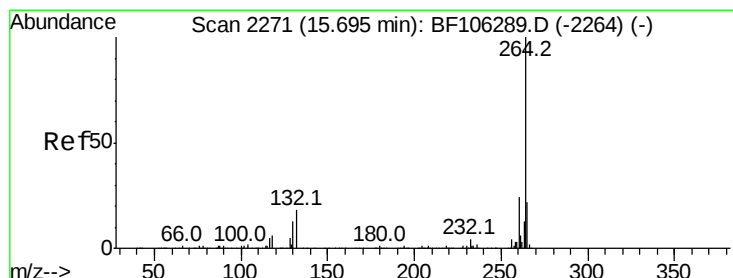
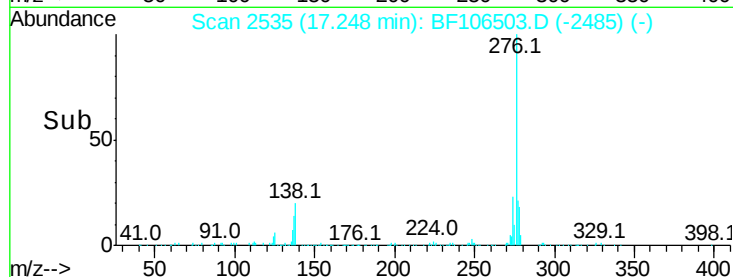
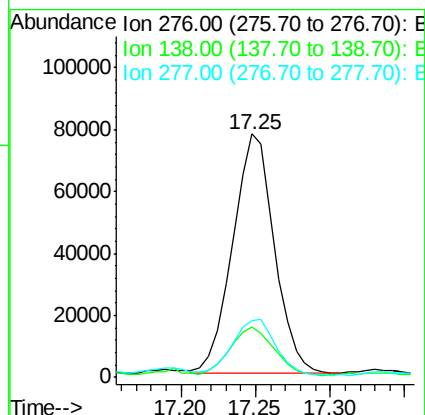
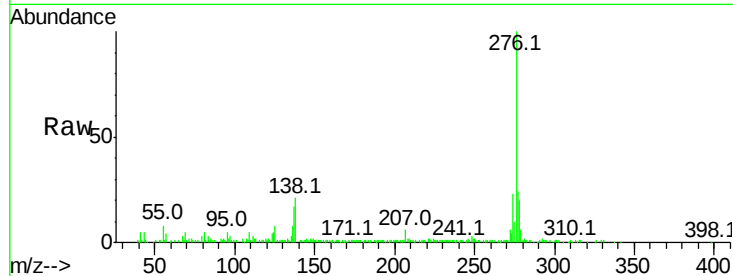
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.482 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

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

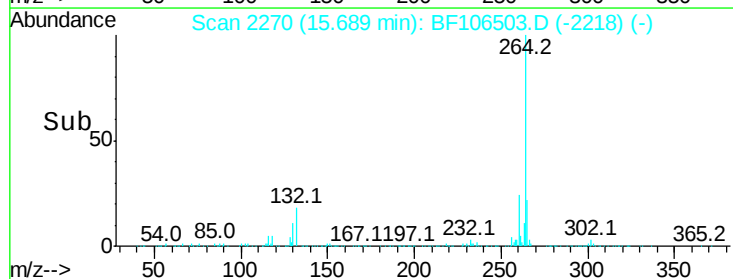
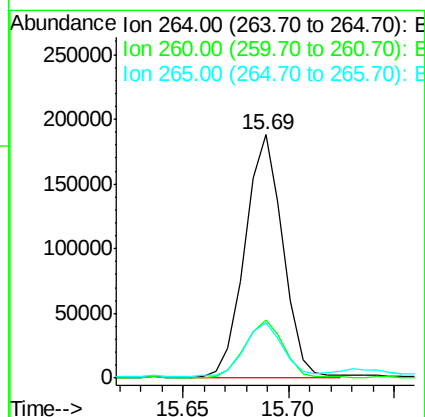
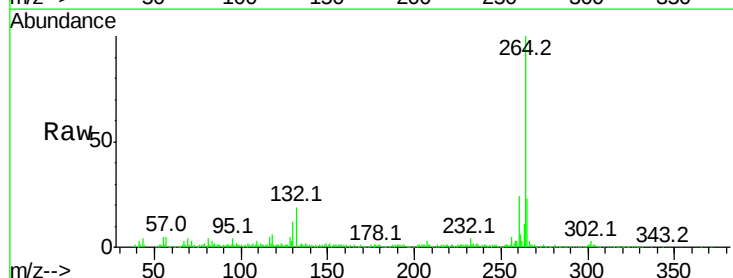
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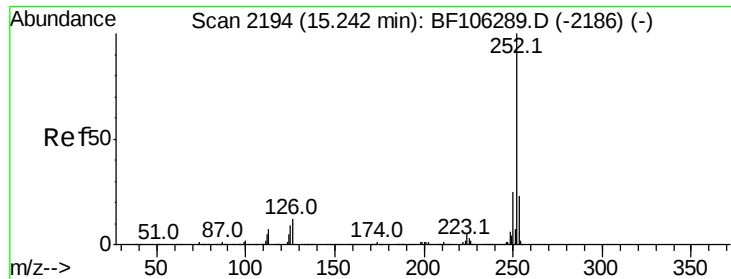
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 33.139 ng m

RT: 15.24 min Scan# 2193

Delta R.T. 0.01 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Instrument :

BNA_F

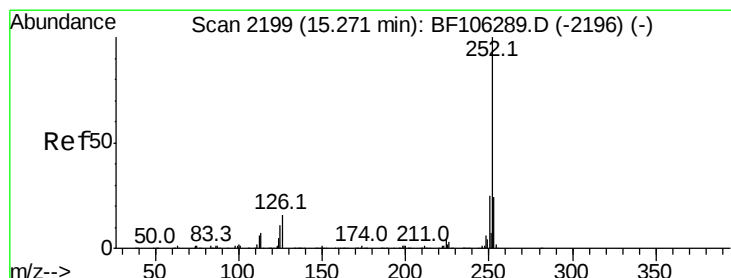
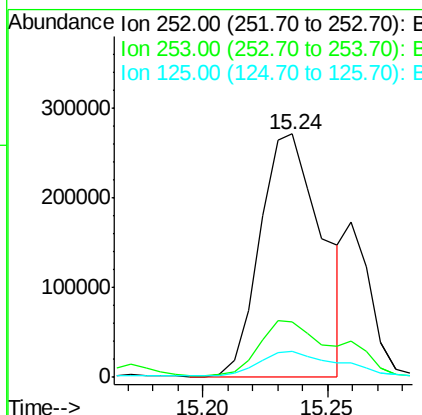
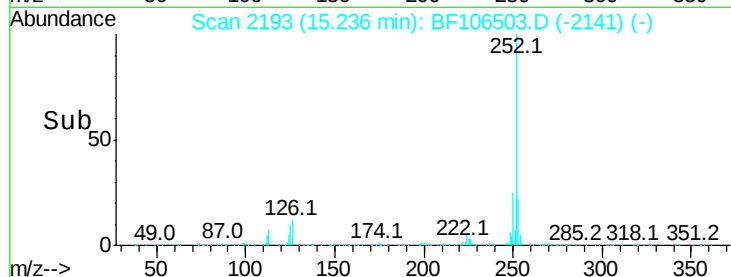
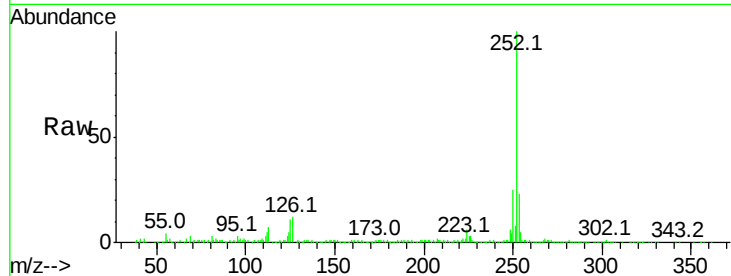
ClientSampleId :

DOCUMENTATION-5

Tot Ion:	252	Resp:	464957
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	10.8	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 8.855 ng m

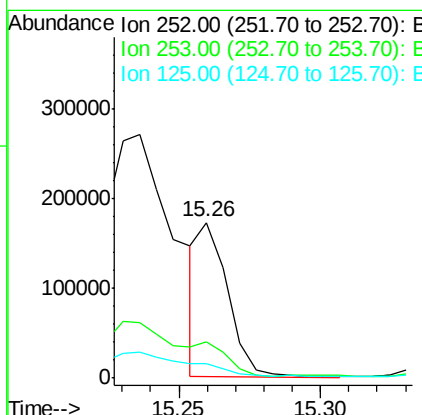
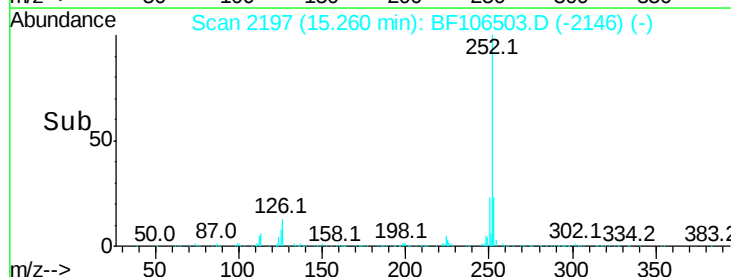
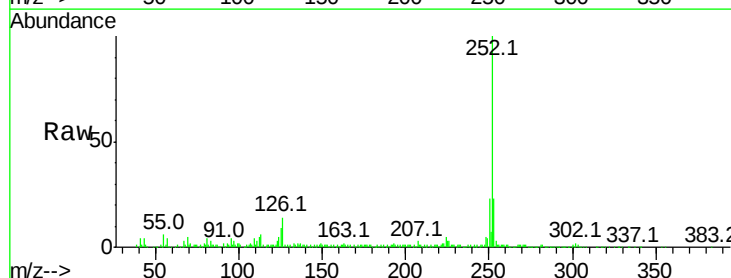
RT: 15.26 min Scan# 2197

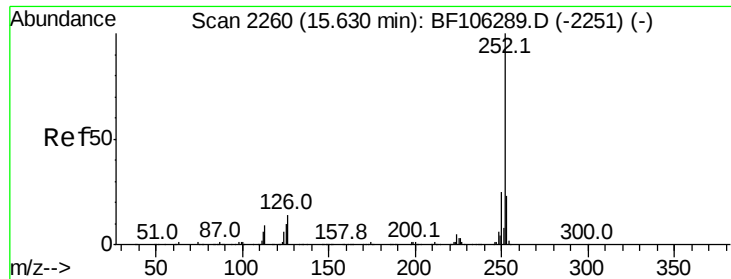
Delta R.T. 0.00 min

Lab File: BF106503.D

Acq: 15 Jun 2018 20:19

Tgt Ion:	252	Resp:	123036
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	9.4	10.2	15.2#





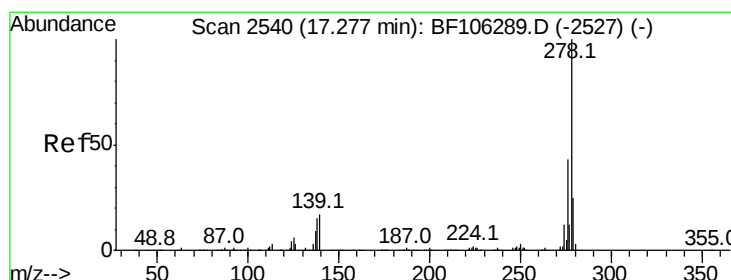
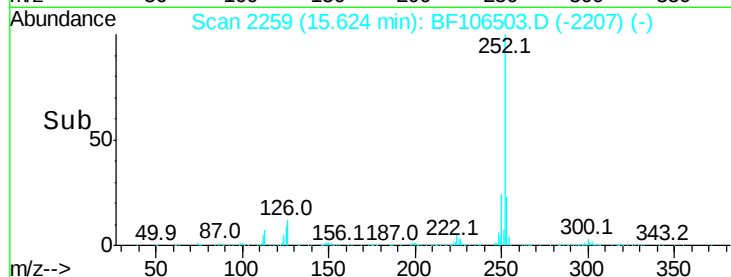
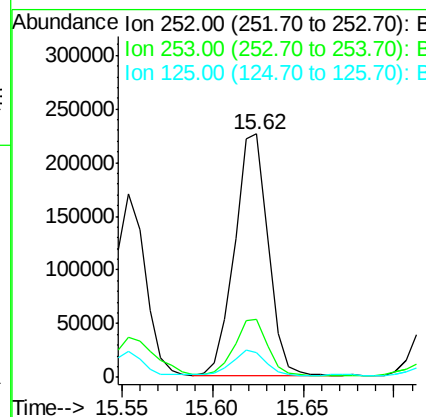
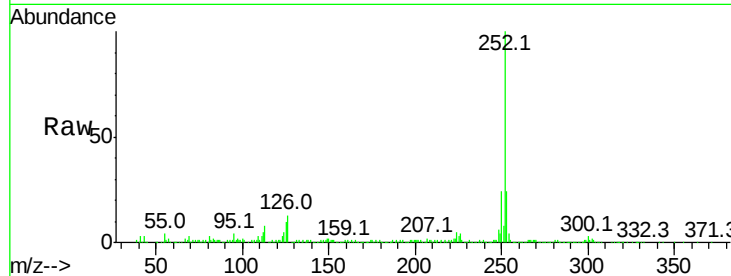
#89
Benzo(a)pyrene
Concen: 23.006 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.0	9.8	14.6

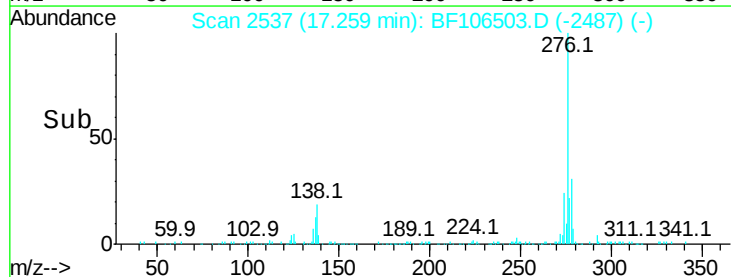
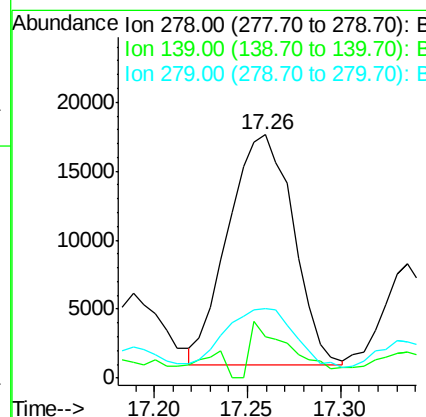
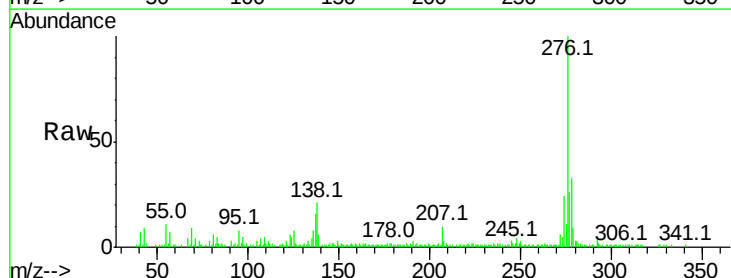
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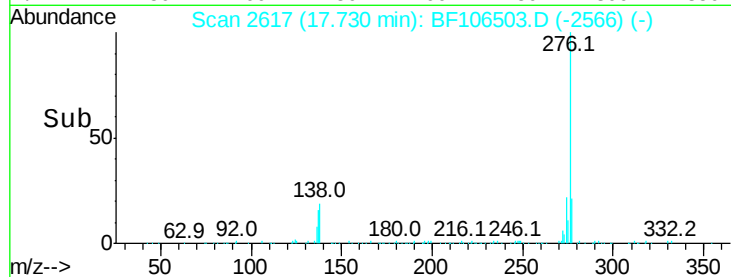
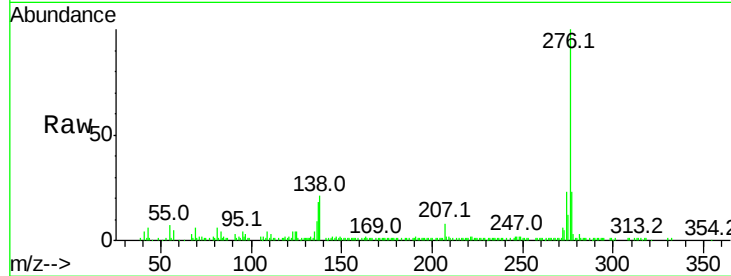
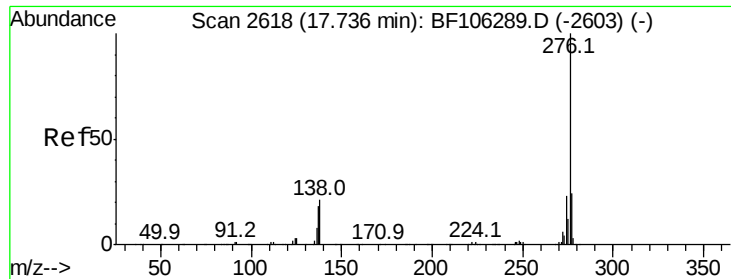
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.837 ng m
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF106503.D
Acq: 15 Jun 2018 20:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	15.9	23.9
279	28.7	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 14.376 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. 0.00 min
 Lab File: BF106503.D
 Acq: 15 Jun 2018 20:19

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	21.2	21.8	32.8#

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