

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106453.D
 Acq On : 14 Jun 2018 20:11
 Operator : JU/SJ
 Sample : J3498-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-D-S

Manual Integrations
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Sohil
 6/15/2018 11:16:52 AM

Quant Time: Jun 15 02:25:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	121882	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	433417	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	170164	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	289808	20.00	ng	0.00
75) Chrysene-d12	14.15	240	284479	20.00	ng	-0.01
86) Perylene-d12	15.68	264	201930	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	703701	97.72	ng	0.00
7) Phenol-d6	6.61	99	852049	93.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	533055	72.35	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	166522	101.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	840205	88.99	ng	0.00
78) Terphenyl-d14	13.08	244	817649	71.39	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.71	163	100043	8.229	ng	99
51) Acenaphthene	10.04	154	29758	2.854	ng	97
57) Fluorene	10.55	166	32277	2.902	ng	98
70) Phenanthrene	11.52	178	420658	29.638	ng	99
71) Anthracene	11.57	178	104605	7.357	ng	98
72) Carbazole	11.73	167	46700	3.558	ng	98
74) Fluoranthene	12.72	202	734702	48.540	ng	98
77) Pyrene	12.95	202	659819	37.047	ng	100
80) Benzo(a)anthracene	14.14	228	381592	22.541	ng	99
82) Chrysene	14.18	228	343478	22.222	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	122527	9.933	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	342093m	28.026	ng	
88) Benzo(k)fluoranthene	15.25	252	109258m	9.038	ng	
89) Benzo(a)pyrene	15.62	252	217712	19.830	ng	95
90) Dibenzo(a,h)anthracene	17.25	278	29678	3.242	ng	# 91
91) Benzo(g,h,i)perylene	17.72	276	114805	12.906	ng	# 92

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

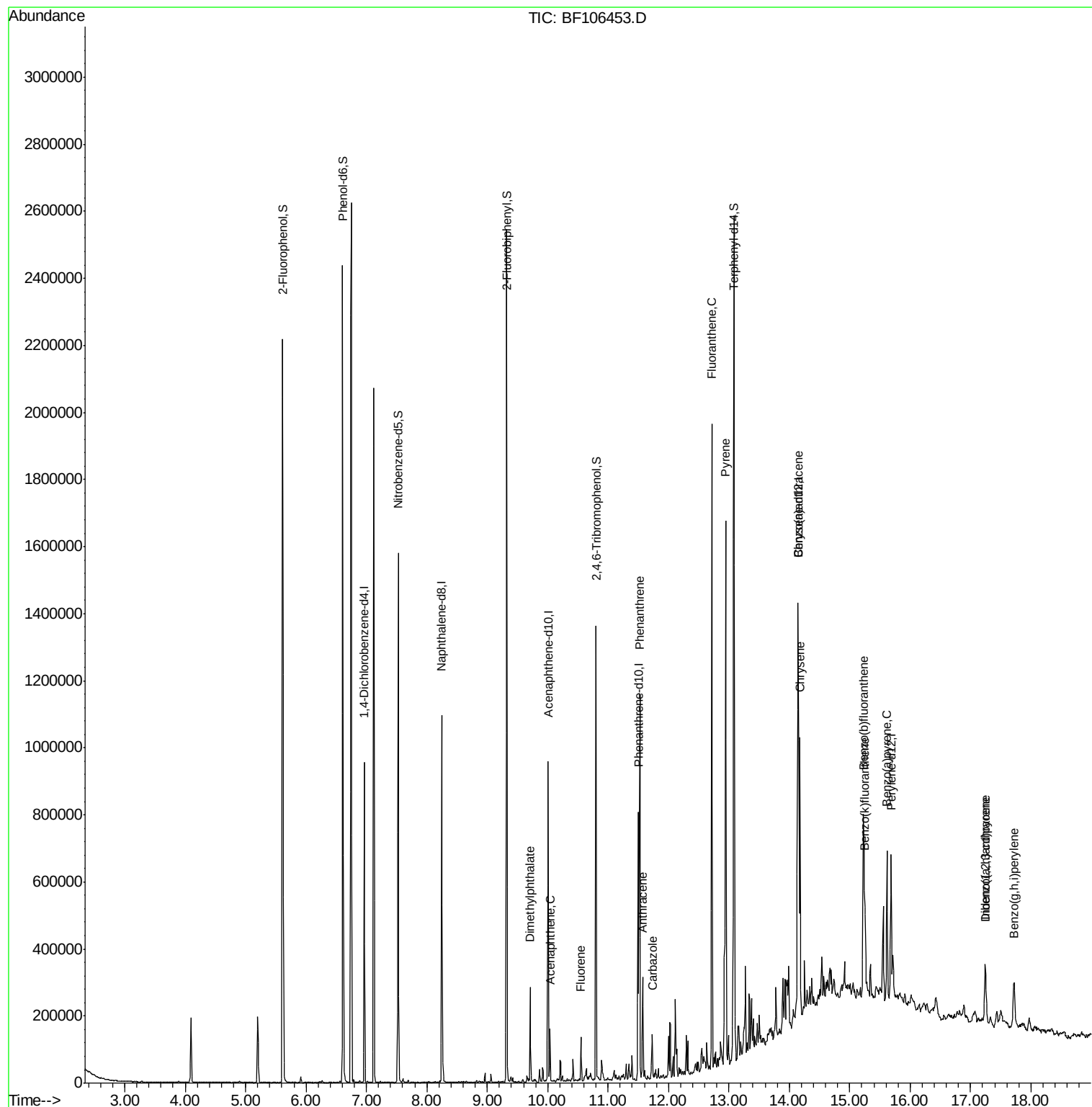
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
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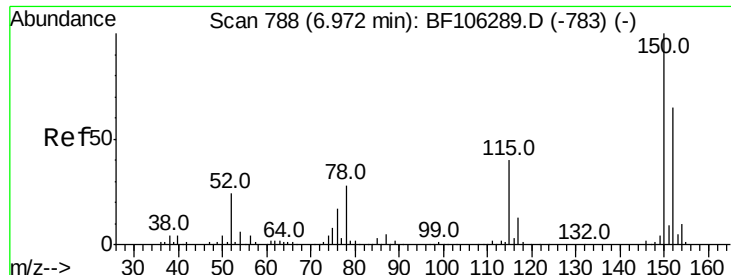
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#1

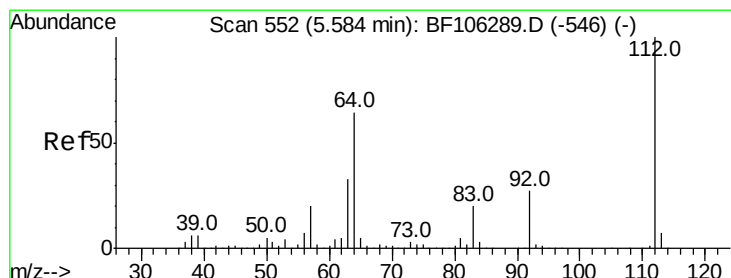
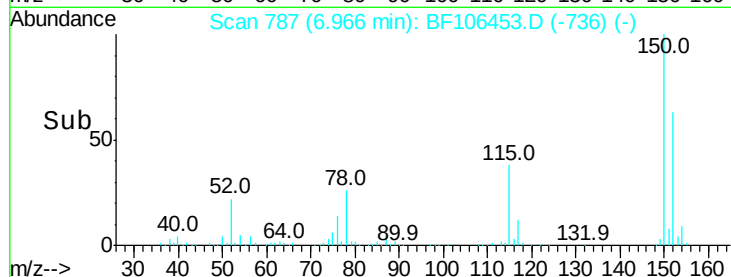
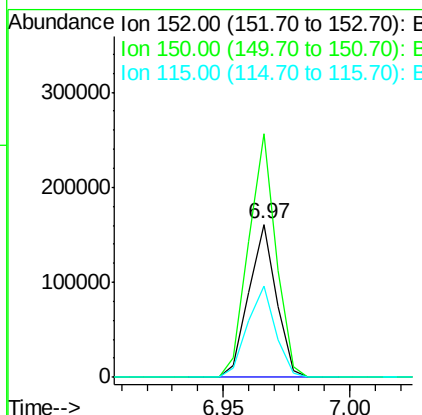
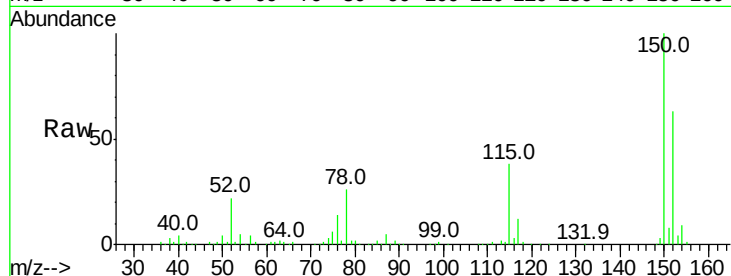
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampleId :
TP-D-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	59.7	50.1	75.1

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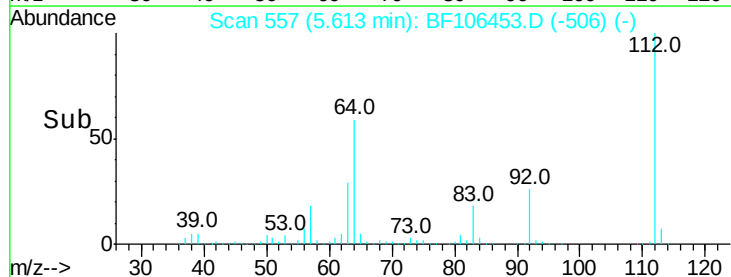
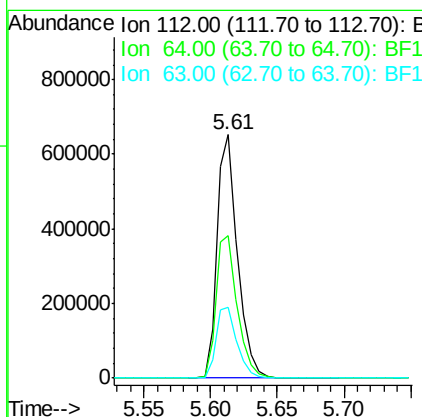
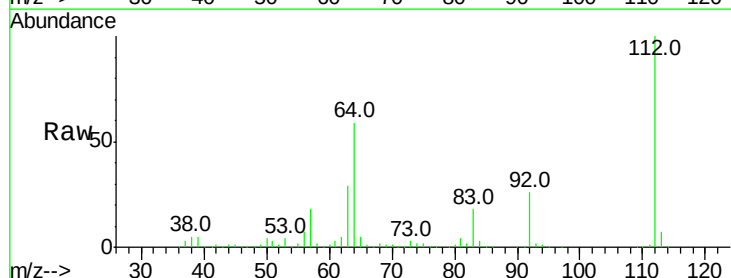
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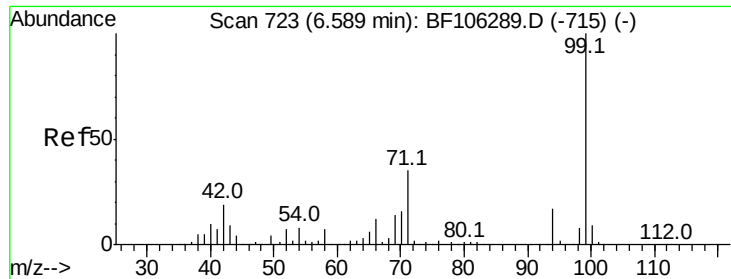


#5

2-Fluorophenol
Concen: 97.719 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	29.1	23.7	35.5





#7

Phenol-d6

Concen: 93.650 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Instrument :

BNA_F

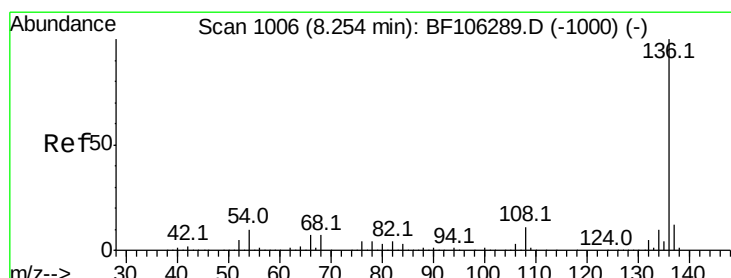
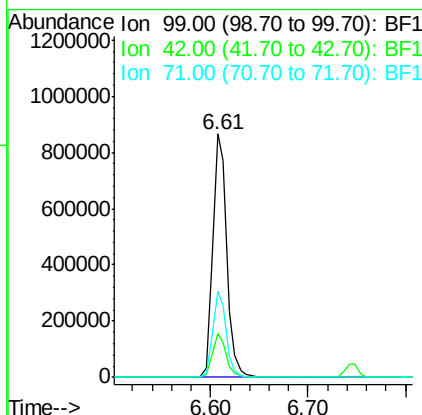
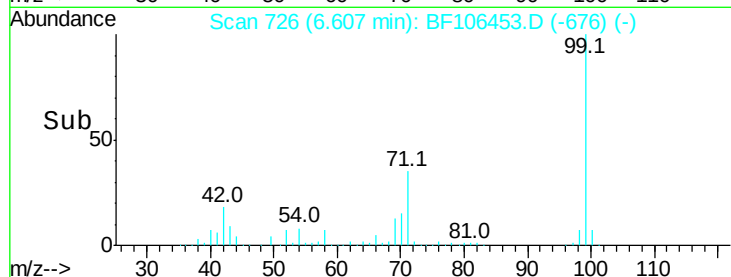
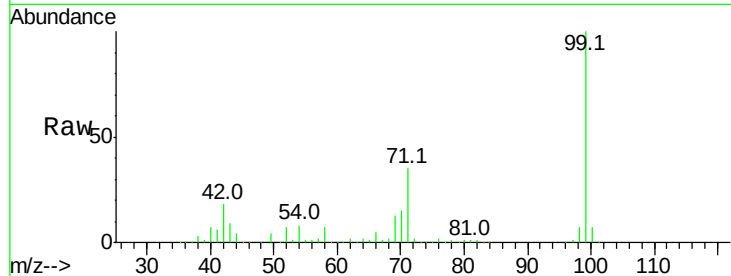
ClientSampled :

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Tot Ion:	99	Resp:	852049
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.5	21.7
71	35.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

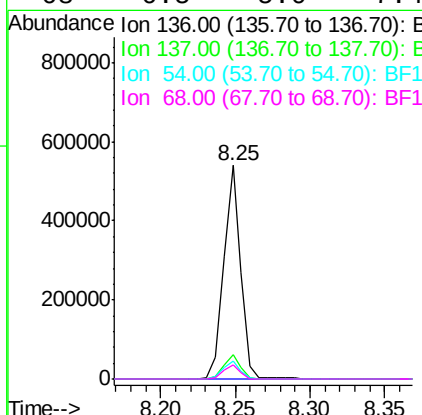
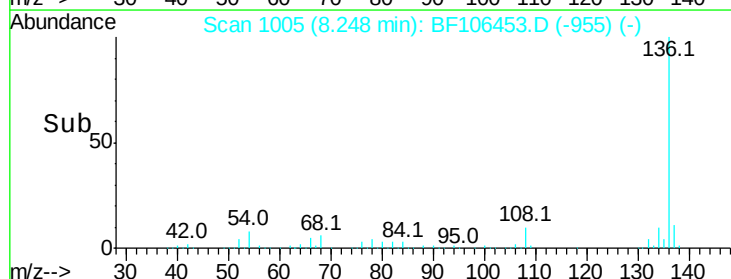
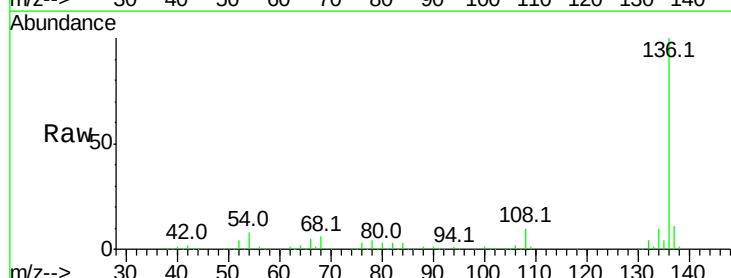
RT: 8.25 min Scan# 1005

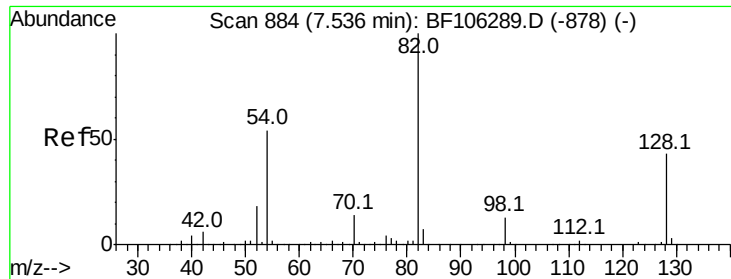
Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Tgt Ion:	136	Resp:	433417
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	8.4	6.6	9.8
68	6.5	5.0	7.4





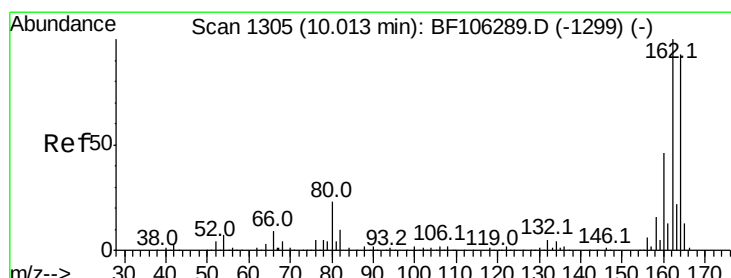
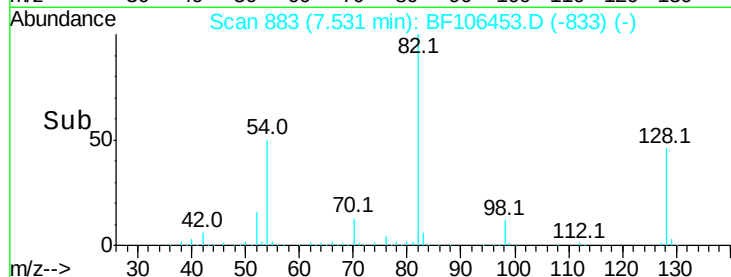
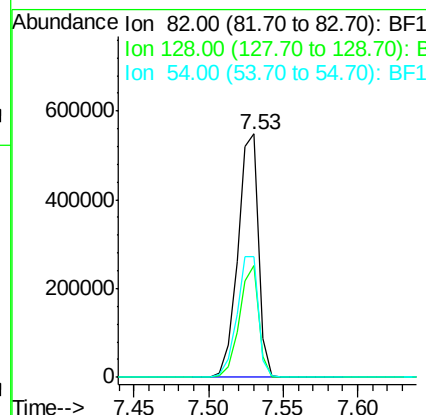
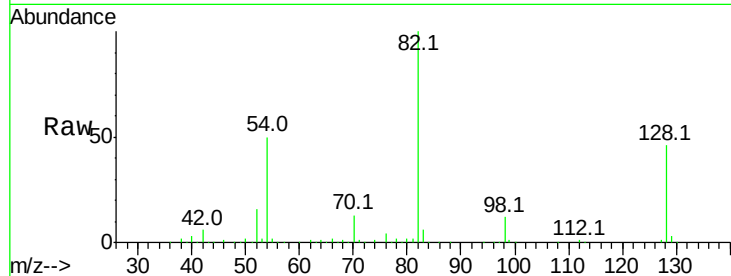
#23
Nitrobenzene-d5
Concen: 72.353 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampled :
TP-D-S

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	36.1	54.1	
54	49.5	41.4	62.2	

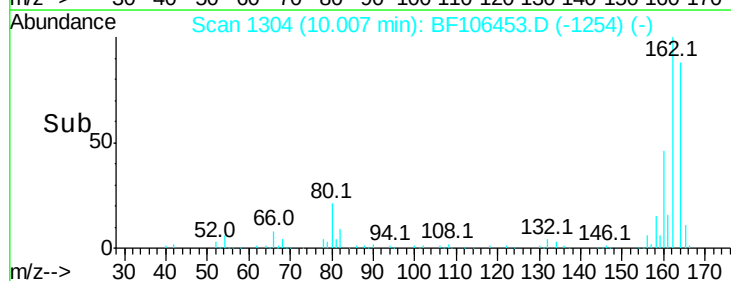
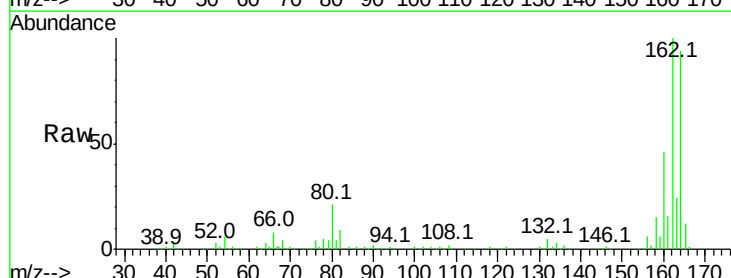
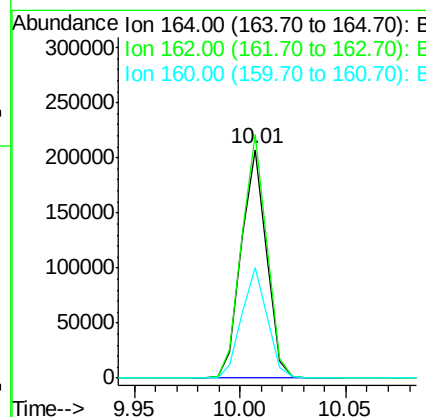
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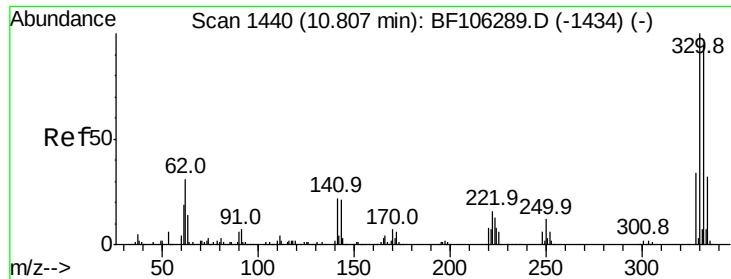
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.6	86.1	129.1	
160	48.6	38.3	57.5	





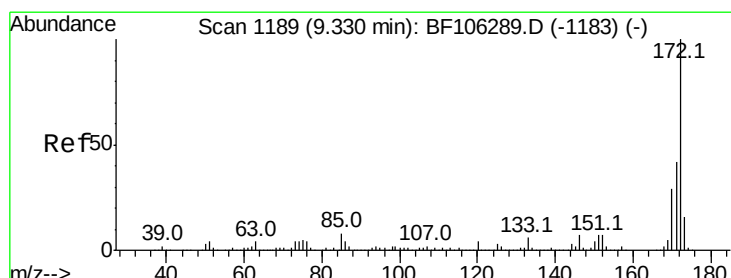
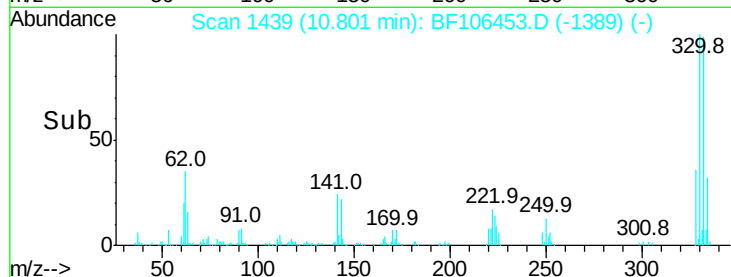
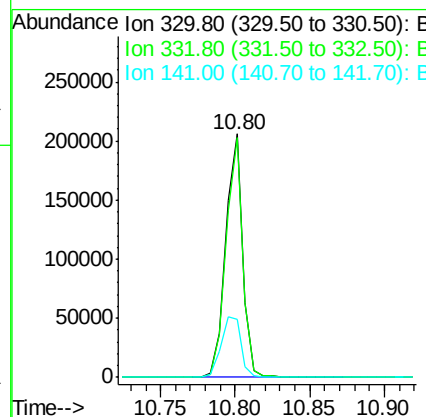
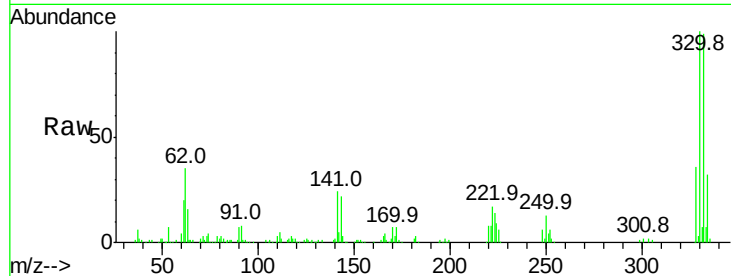
#41
 2,4,6-Tribromophenol
 Concen: 101.707 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106453.D
 Acq: 14 Jun 2018 20:11

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100	166522		
332	97.1	77.0	115.6	
141	29.1	29.9	44.9#	

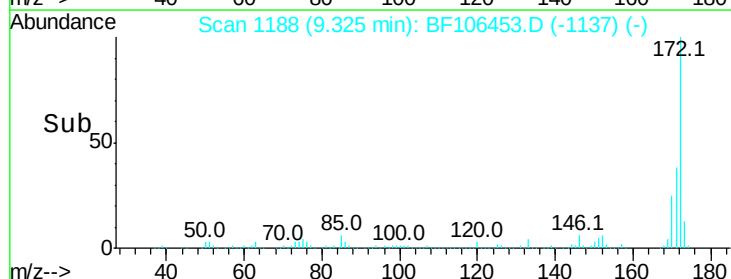
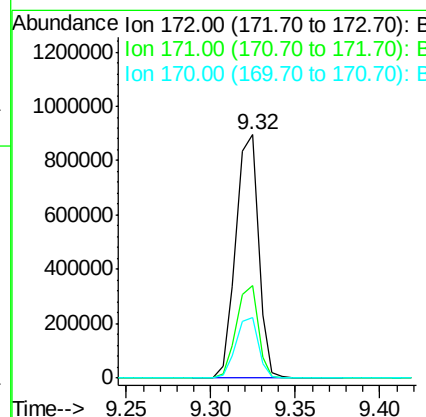
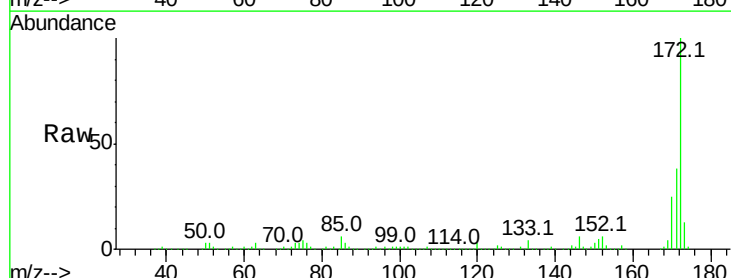
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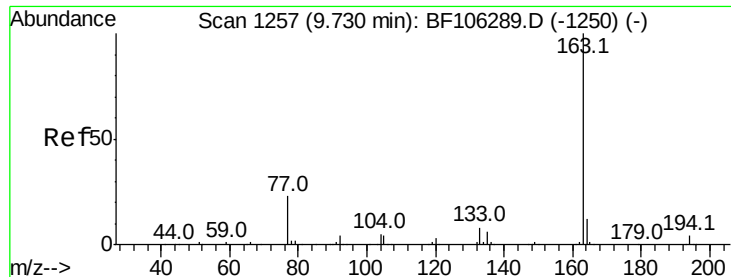
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#44
 2-Fluorobiphenyl
 Concen: 88.986 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: BF106453.D
 Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	840205		
171	37.8	29.7	44.5	
170	24.7	19.6	29.4	





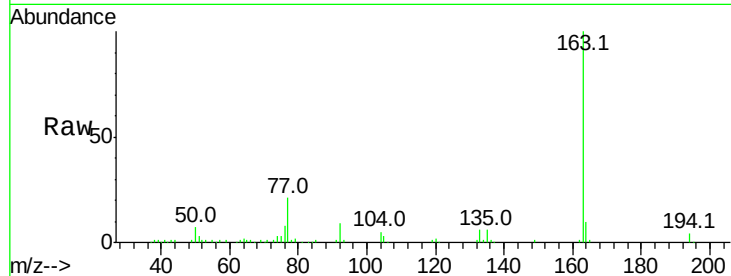
#49
Dimethylphthalate
Concen: 8.229 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampleId :
TP-D-S

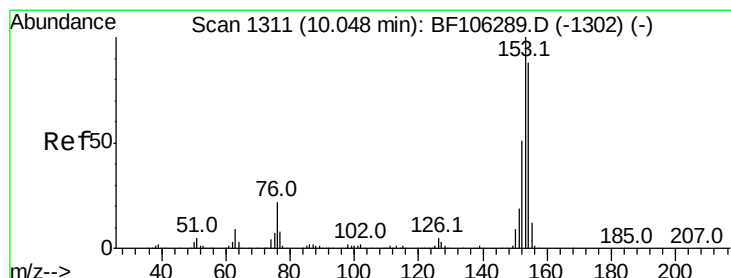
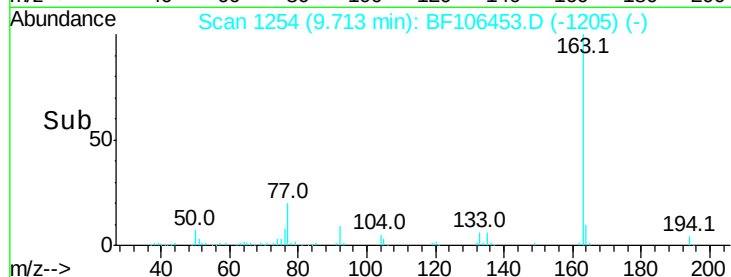
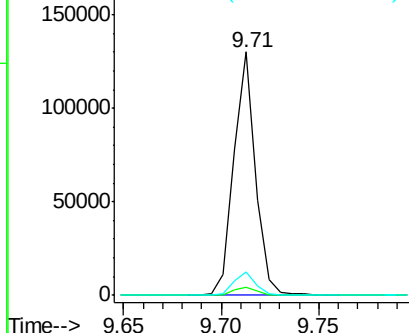
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	9.7	8.2	12.2	

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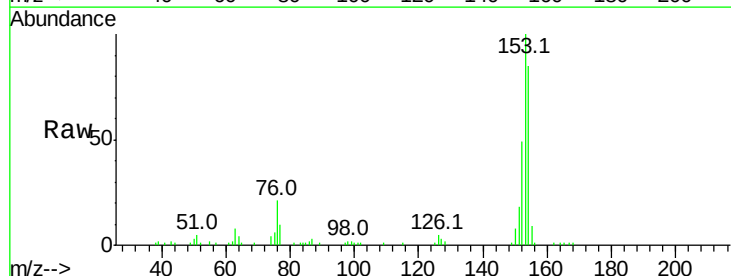


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

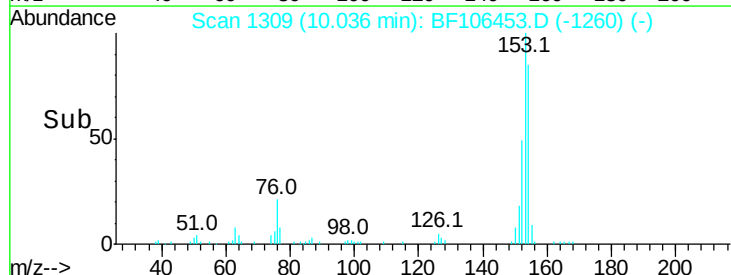
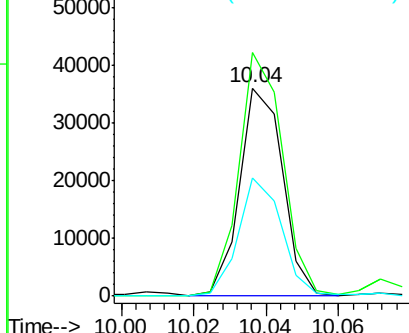


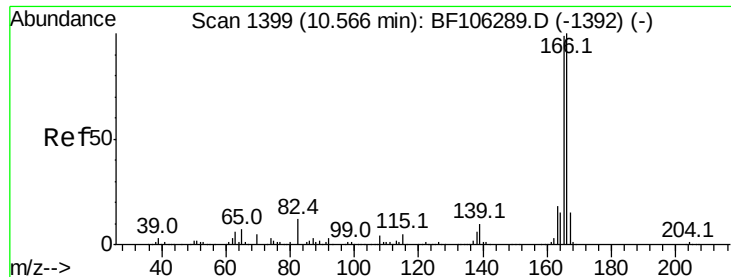
#51
Acenaphthene
Concen: 2.854 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	117.2	91.2	136.8	
152	57.1	43.8	65.8	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





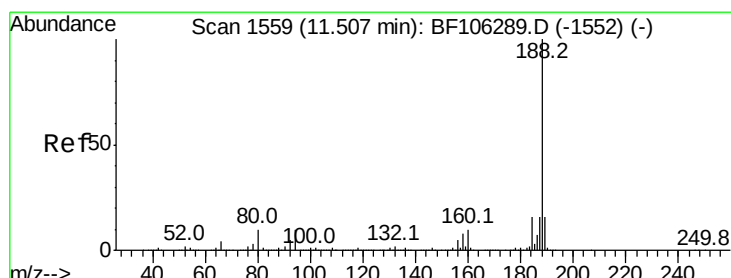
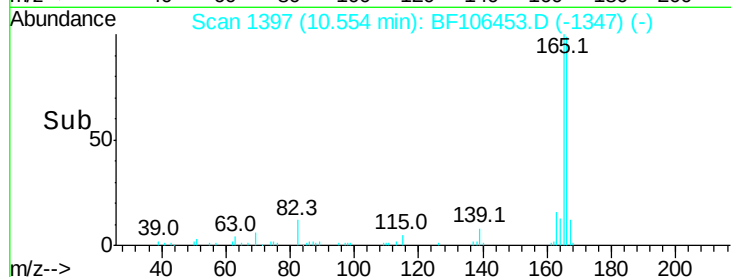
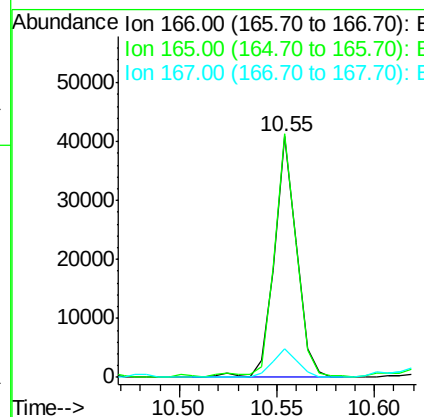
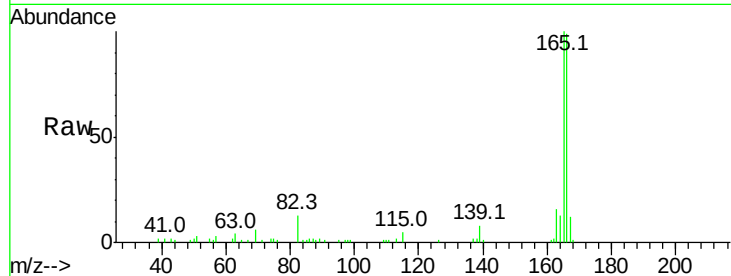
#57
Fluorene
 Concen: 2.902 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106453.D
 Acq: 14 Jun 2018 20:11

Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.8	119.8
167	12.0	10.6	16.0

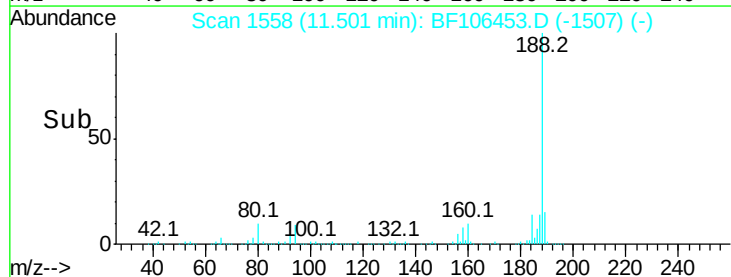
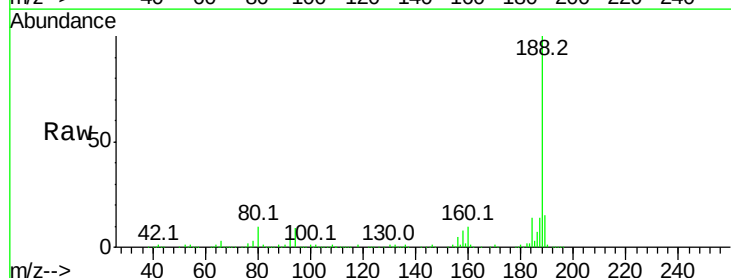
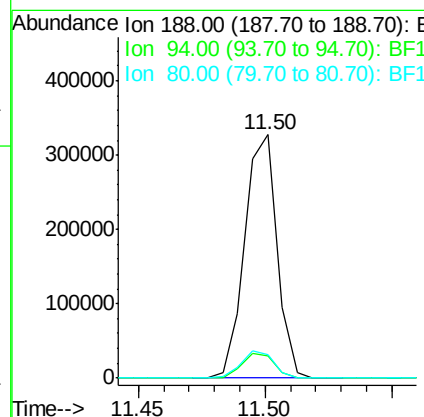
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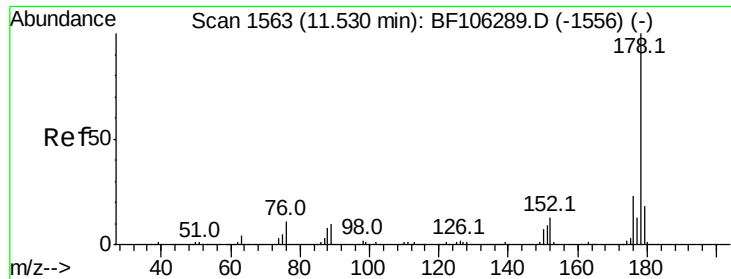
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF106453.D
 Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.5	9.2	13.8





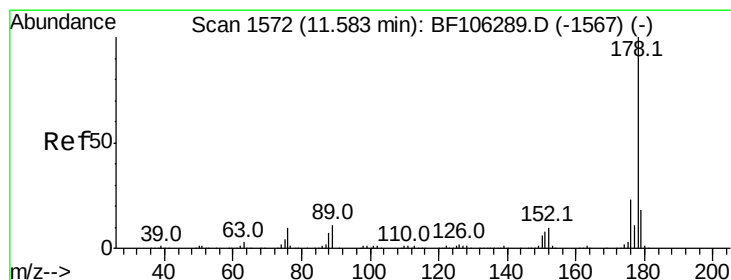
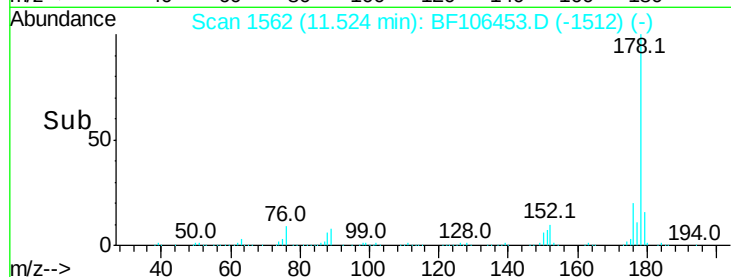
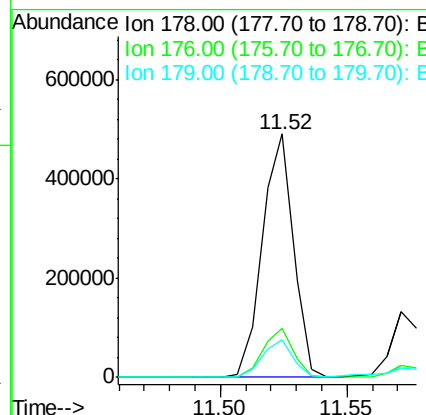
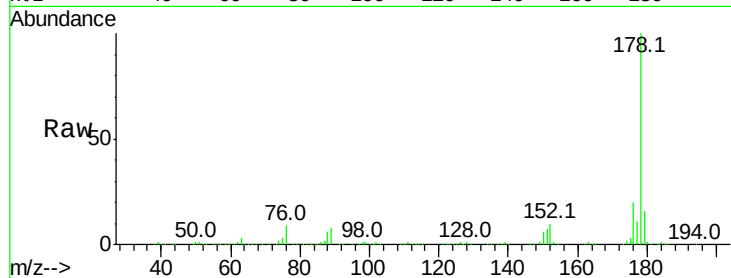
#70
Phenanthrene
Concen: 29.638 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampleId :
TP-D-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.5	13.0	19.6

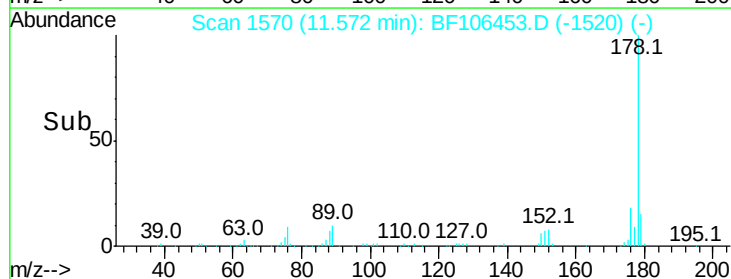
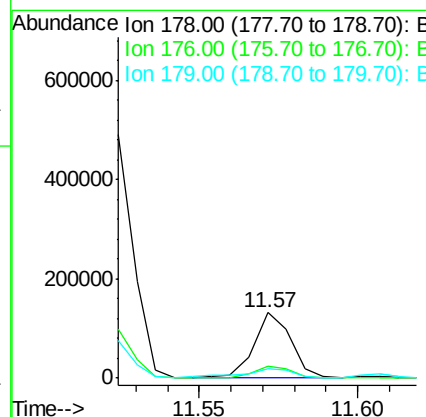
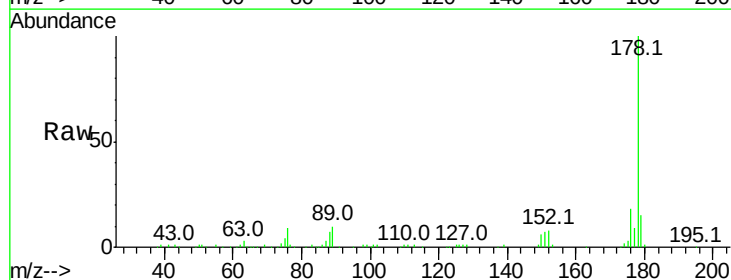
Manual Integrations
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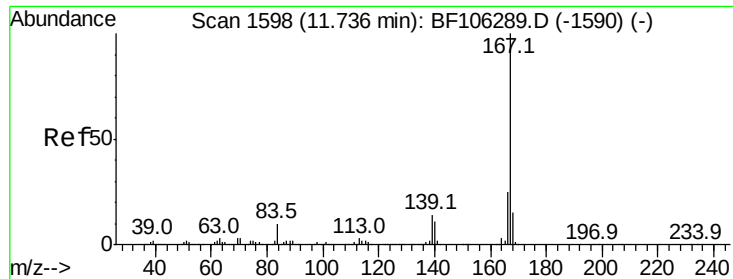
Sohil
6/15/2018 11:16:52 AM



#71
Anthracene
Concen: 7.357 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.3	12.6	19.0





#72

Carbazole

Concen: 3.558 ng

RT: 11.73 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Instrument :

BNA_F

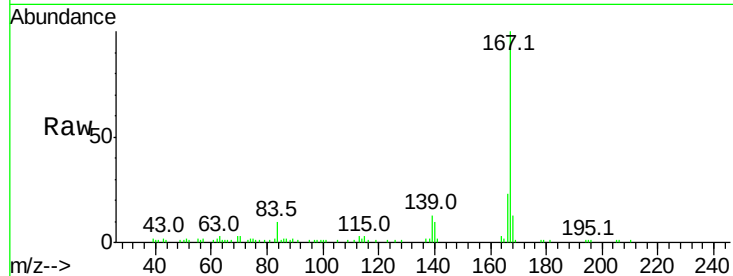
ClientSampled :

TP-D-S

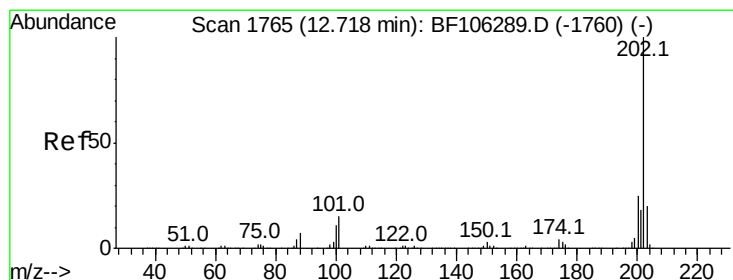
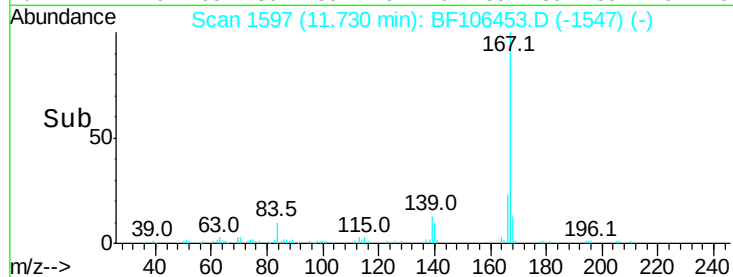
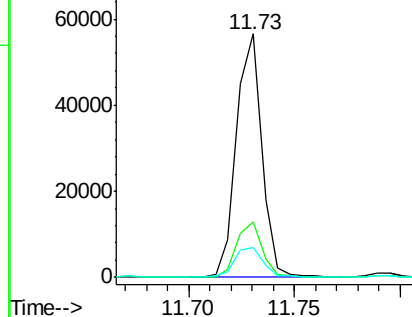
Tot Ion:	167	Resp:	46700
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.6	26.4
139	12.5	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 48.540 ng

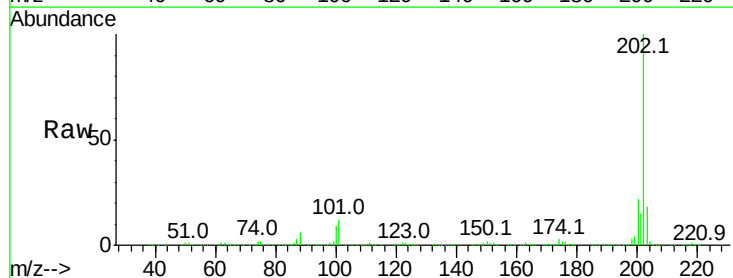
RT: 12.72 min Scan# 1765

Delta R.T. -0.00 min

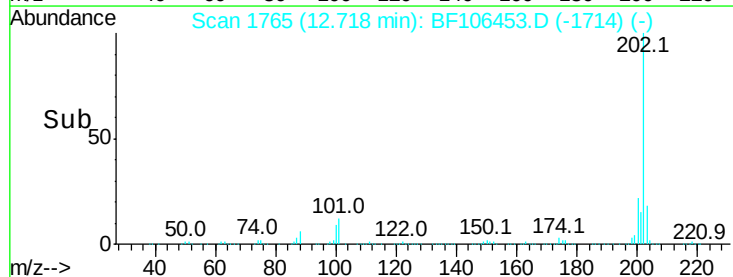
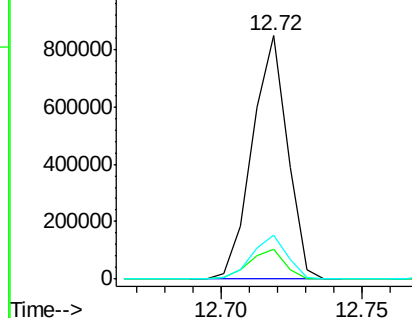
Lab File: BF106453.D

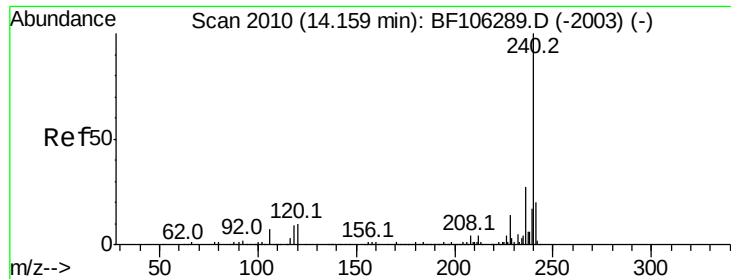
Acq: 14 Jun 2018 20:11

Tgt Ion:	202	Resp:	734702
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	34.1
203	18.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Instrument :

BNA_F

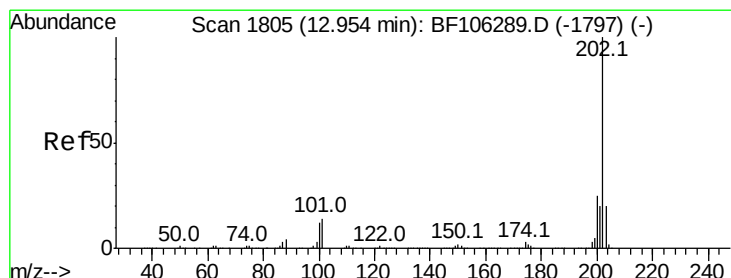
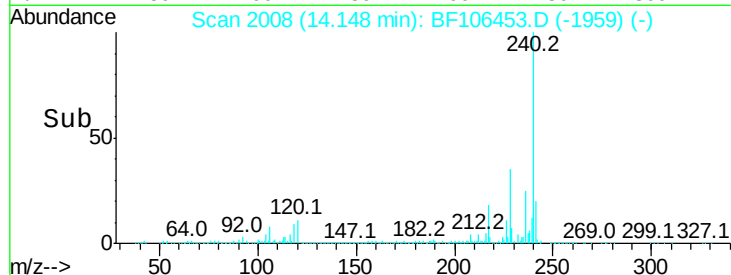
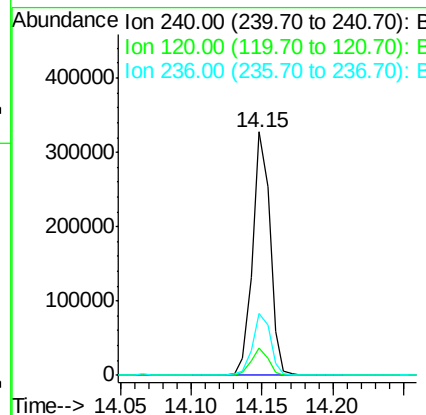
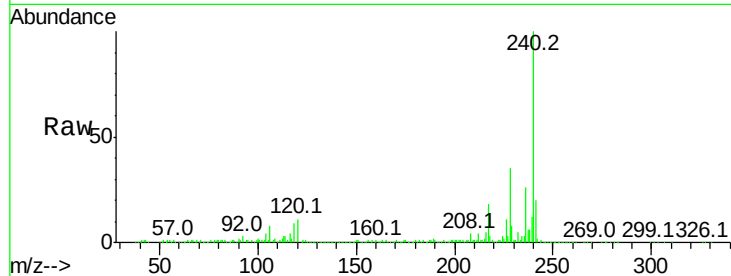
ClientSampleId :

TP-D-S

Tot Ion:	240	Resp:	284479
Ion Ratio	Lower	Upper	
240	100		
120	11.3	9.5	14.3
236	25.5	20.7	31.1

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#77

Pyrene

Concen: 37.047 ng

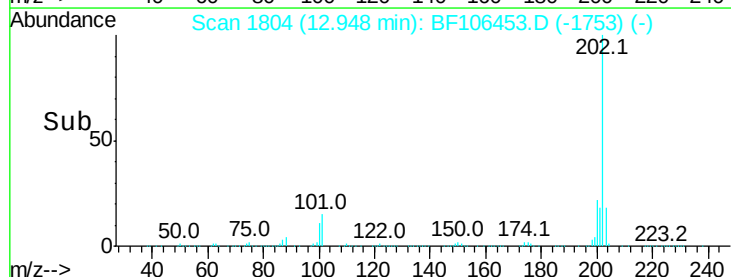
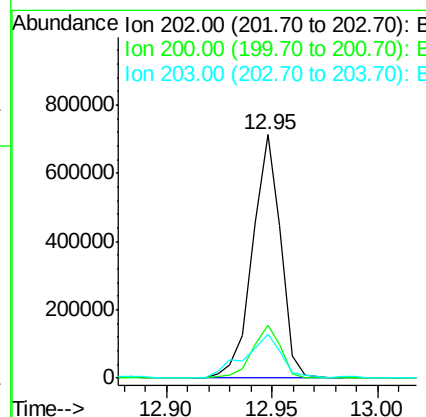
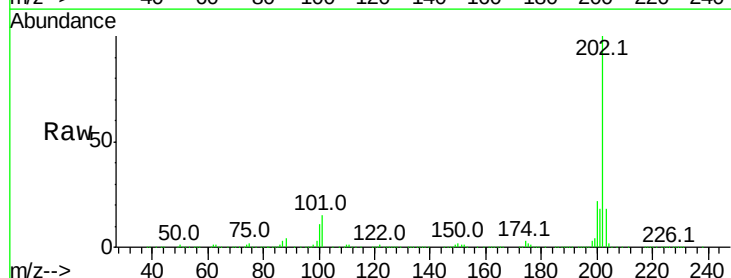
RT: 12.95 min Scan# 1804

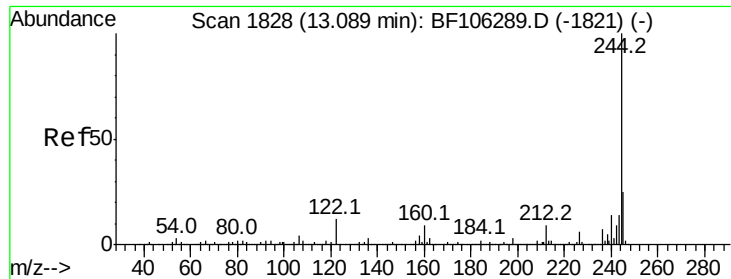
Delta R.T. -0.00 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Tgt Ion:	202	Resp:	659819
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 71.389 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Instrument :

BNA_F

ClientSampleId :

TP-D-S

Tot Ion:244 Resp: 817649

Ion Ratio Lower Upper

244 100

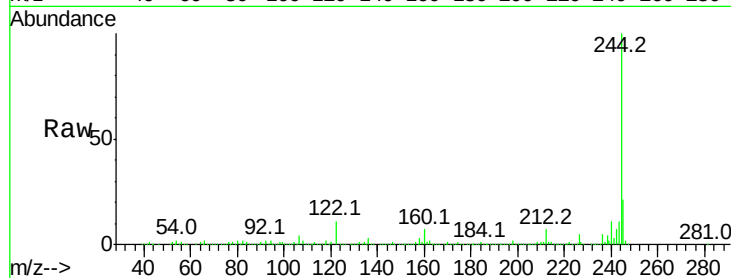
212 7.1 5.4 8.0

122 10.7 11.0 16.4#

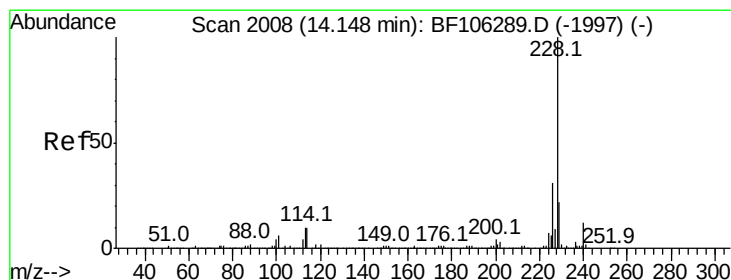
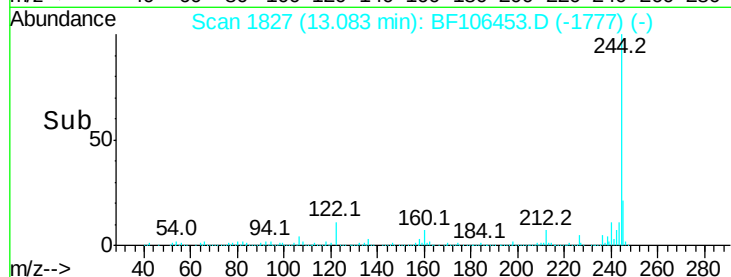
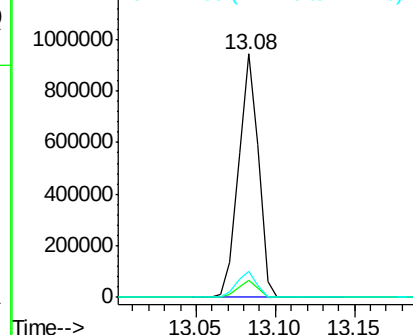
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 22.541 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Tgt Ion:228 Resp: 381592

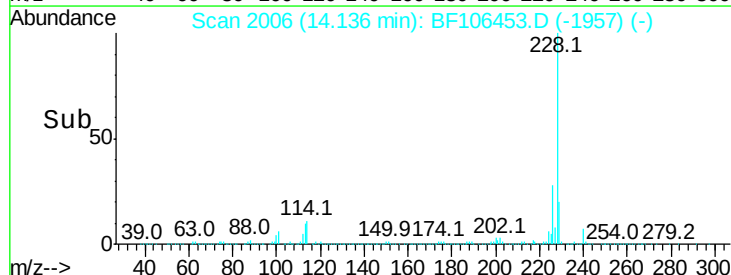
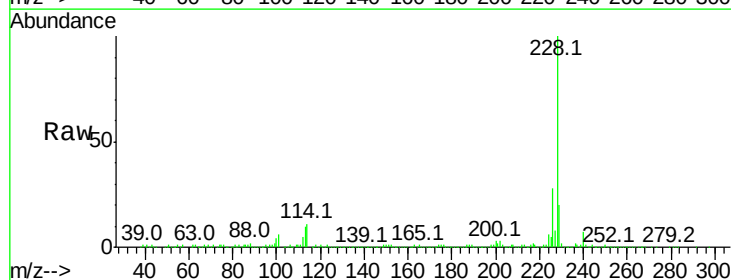
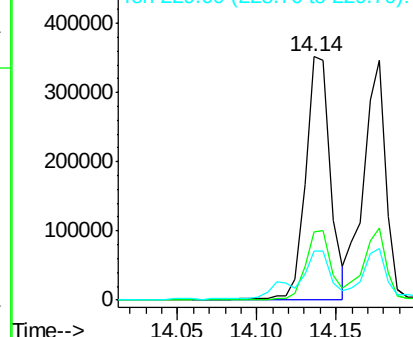
Ion Ratio Lower Upper

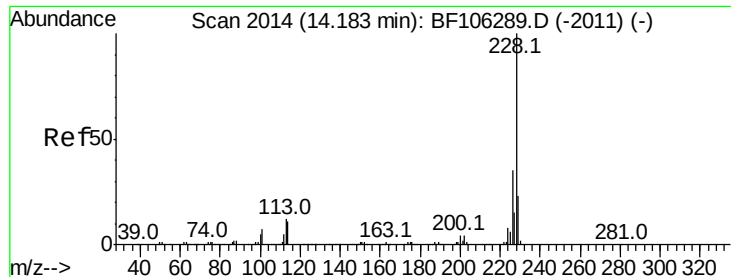
228 100

226 28.1 22.6 33.8

229 20.4 15.8 23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 22.222 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Instrument :

BNA_F

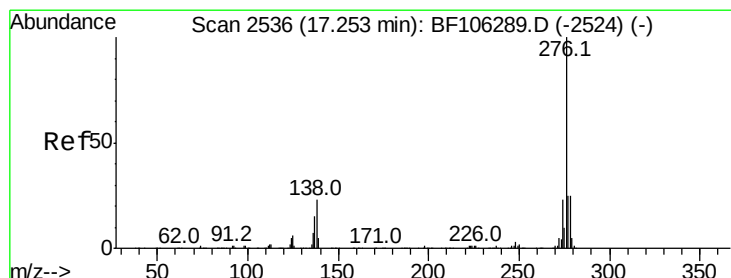
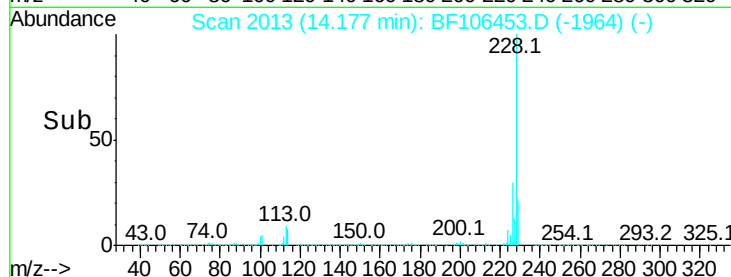
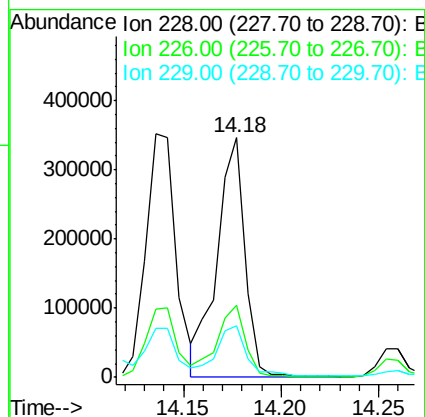
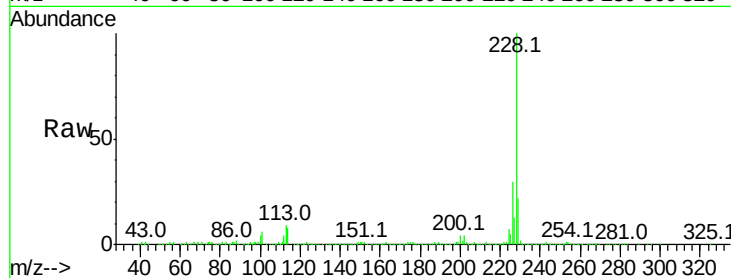
ClientSampleId :

TP-D-S

Tot Ion:	228	Resp:	343478
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.933 ng

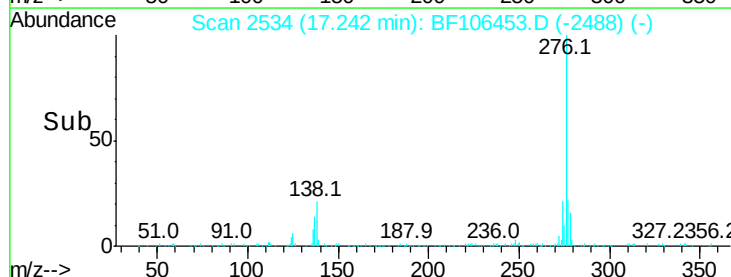
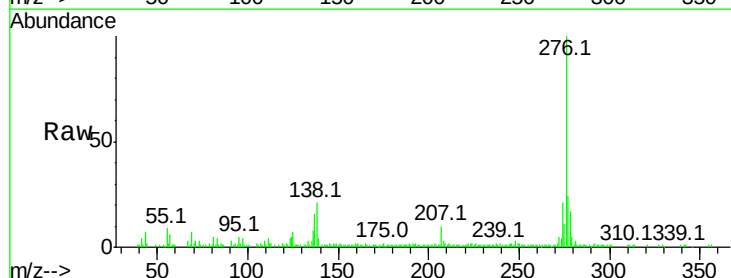
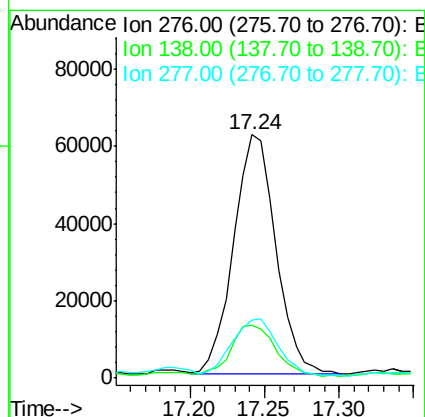
RT: 17.24 min Scan# 2534

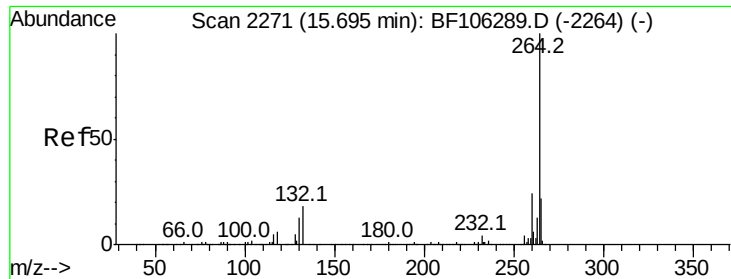
Delta R.T. -0.03 min

Lab File: BF106453.D

Acq: 14 Jun 2018 20:11

Tgt Ion:	276	Resp:	122527
Ion Ratio	Lower	Upper	
276	100		
138	22.7	25.0	37.6#
277	25.8	20.1	30.1





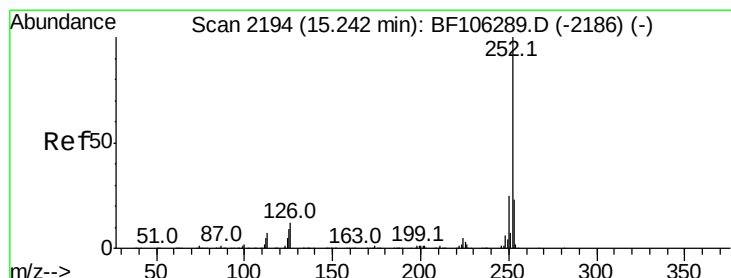
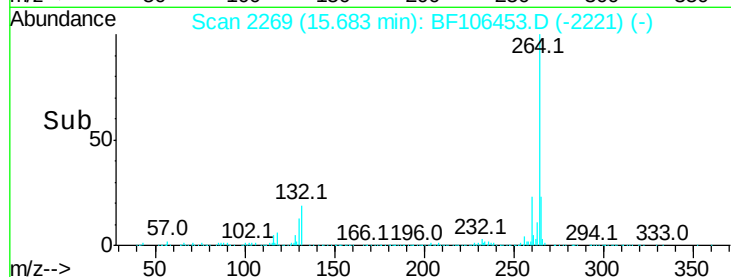
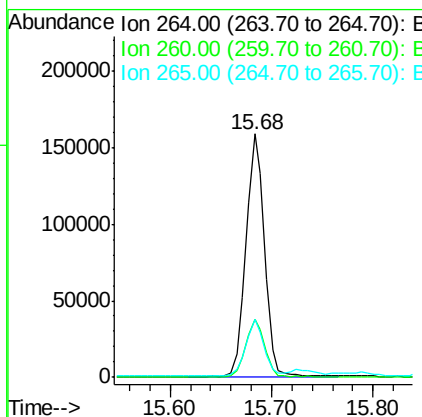
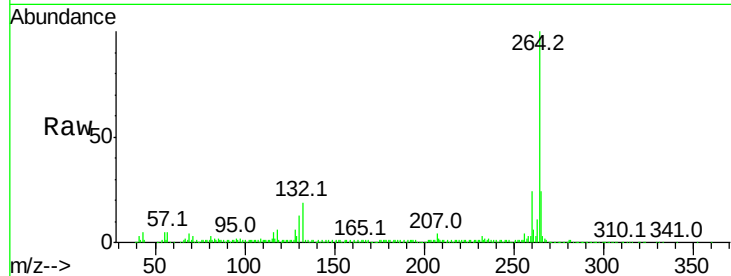
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampleId :
TP-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	23.9	17.5	26.3

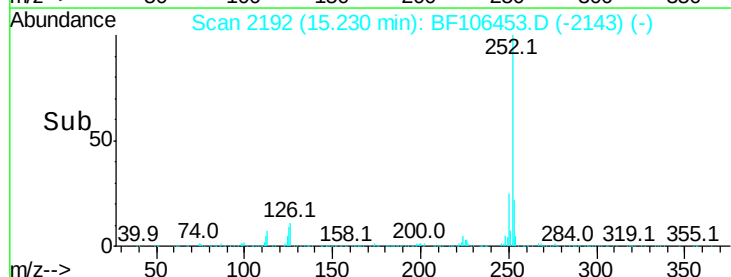
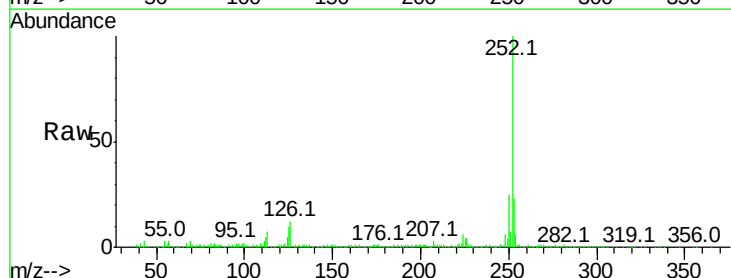
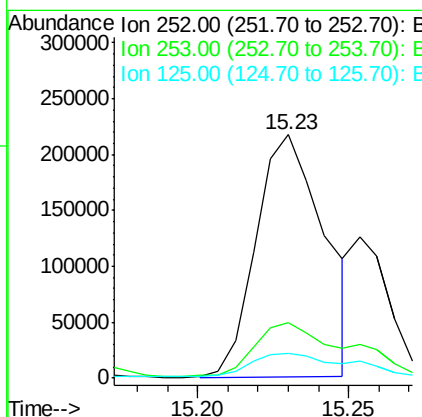
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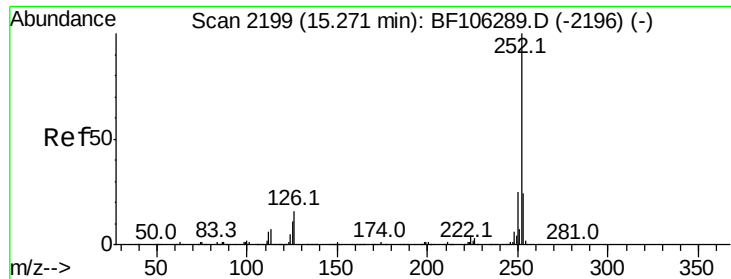
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#87
Benzo(b)fluoranthene
Concen: 28.026 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.1	9.0	13.6





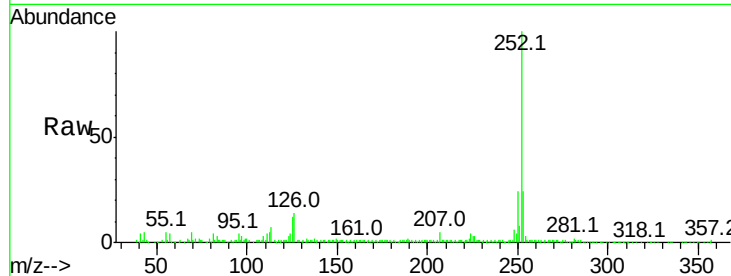
#88
Benzo(k)fluoranthene
Concen: 9.038 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampled :
TP-D-S

Tot Ion	Ratio	Resp	Lower	Upper
252	100	109258		
253	23.5		17.9	26.9
125	12.0		10.2	15.2

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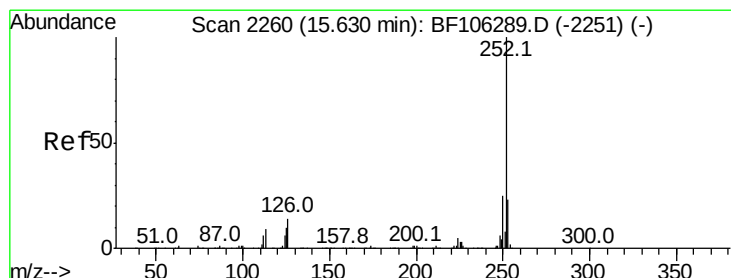
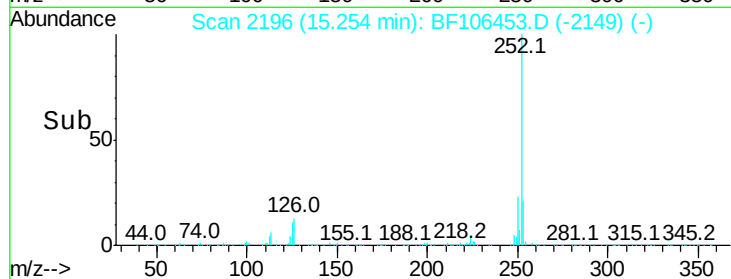
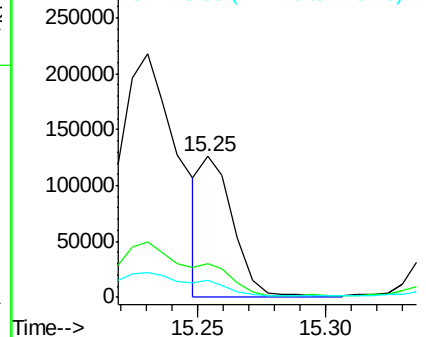


Abundance

Ion 252.00 (251.70 to 252.70): E

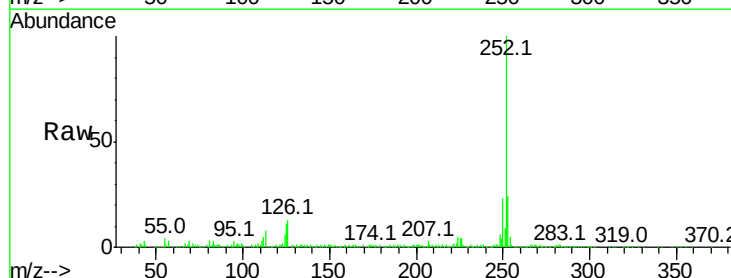
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 19.830 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	217712		
253	24.1		17.1	25.7
125	10.7		9.8	14.6

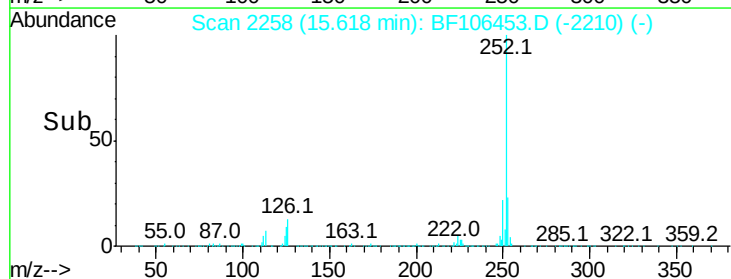
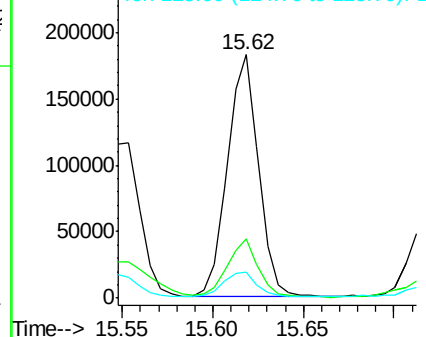


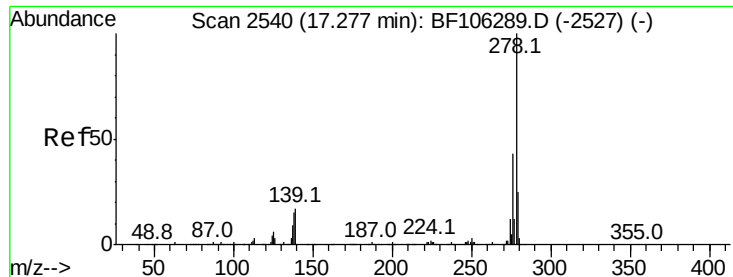
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





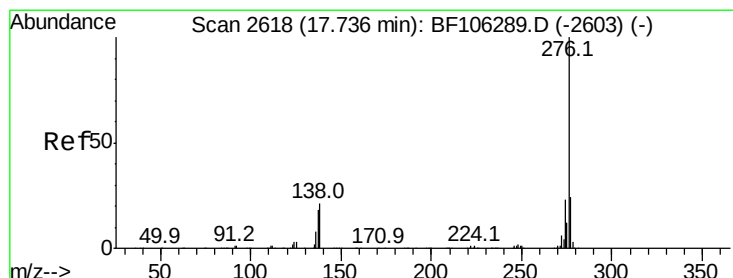
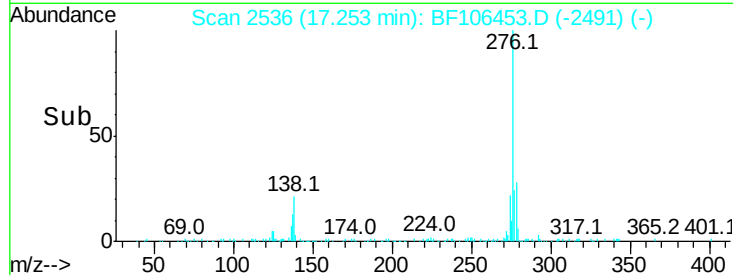
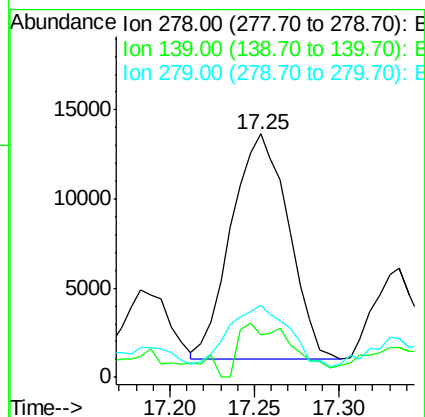
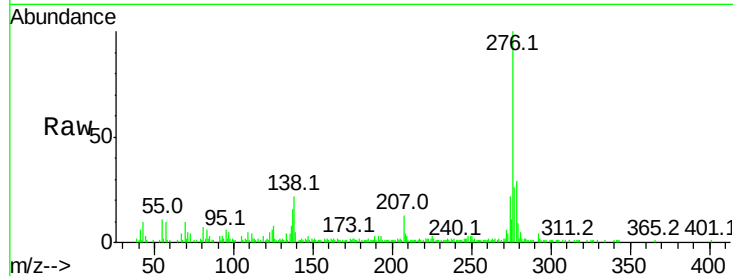
#90
Dibenzo(a,h)anthracene
Concen: 3.242 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.04 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Instrument :
BNA_F
ClientSampleId :
TP-D-S

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.6	15.9	23.9
279	29.4	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 12.906 ng
RT: 17.72 min Scan# 2615
Delta R.T. -0.03 min
Lab File: BF106453.D
Acq: 14 Jun 2018 20:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	20.7	21.8	32.8

