

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106359.D
 Acq On : 12 Jun 2018 21:51
 Operator : JU/SJ
 Sample : J3322-03 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB02-3 BOT 6.5

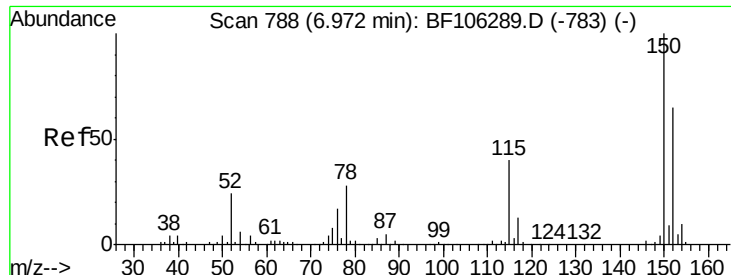
Manual Integrations
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Quant Time: Jun 13 04:01:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	135697	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	465624	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	188380	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	392159	20.00	ng	0.00
75) Chrysene-d12	14.16	240	390325	20.00	ng	0.00
86) Perylene-d12	15.70	264	296258	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	161906	20.19	ng	0.06
7) Phenol-d6	6.66	99	192132	18.97	ng	0.07
23) Nitrobenzene-d5	7.53	82	108735	13.74	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	32031	17.67	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	175139	6.94	ng	0.00
78) Terphenyl-d14	13.09	244	223114	14.20	ng	0.00
Target Compounds						
31) Naphthalene	8.28	128	130635	6.206	ng	98
48) Acenaphthylene	9.88	152	212932	11.914	ng	99
51) Acenaphthene	10.05	154	37428	3.243	ng	99
54) Dibenzofuran	10.22	168	33635	2.164	ng	96
57) Fluorene	10.57	166	54618	4.435	ng	99
70) Phenanthrene	11.53	178	440288	22.925	ng	100
71) Anthracene	11.58	178	201569	10.476	ng	98
74) Fluoranthene	12.72	202	1078144	52.639	ng	98
77) Pyrene	12.96	202	1121758	45.905	ng	98
80) Benzo(a)anthracene	14.15	228	736385m	31.702	ng	
82) Chrysene	14.18	228	631101	29.759	ng	96
85) Indeno(1,2,3-cd)pyrene	17.27	276	312312	18.453	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	818467m	45.703	ng	
88) Benzo(k)fluoranthene	15.27	252	211657m	11.934	ng	
89) Benzo(a)pyrene	15.64	252	576248	35.774	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	79389m	5.912	ng	
91) Benzo(a,h,i)perylene	17.75	276	313886	24.051	ng	94

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



#1

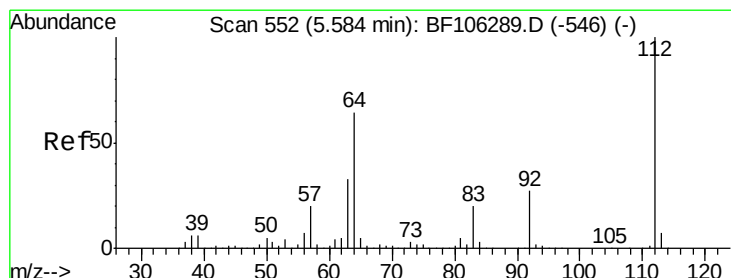
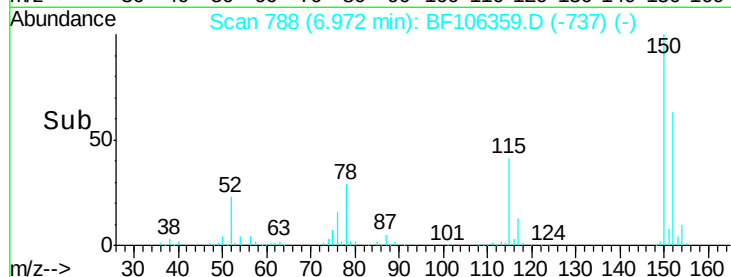
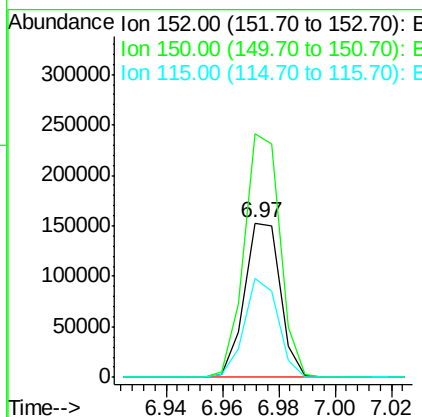
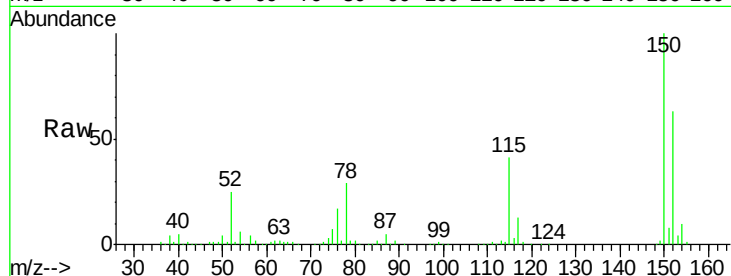
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	64.3	50.1	75.1

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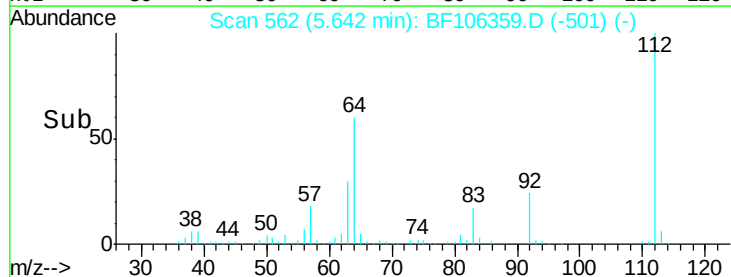
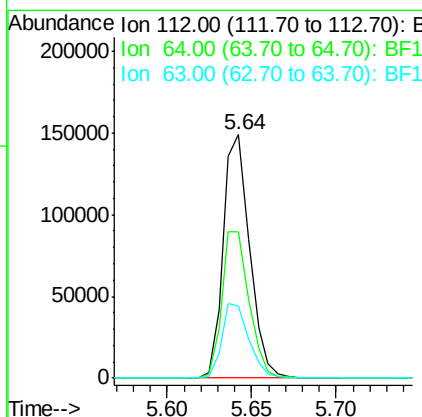
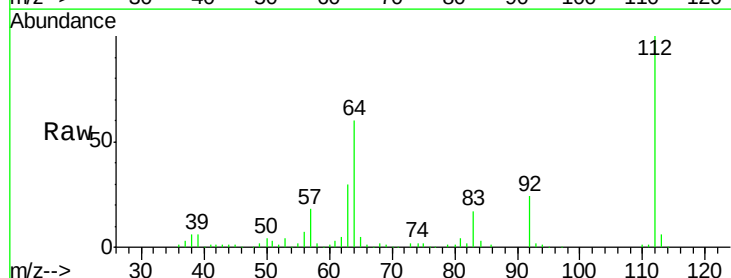
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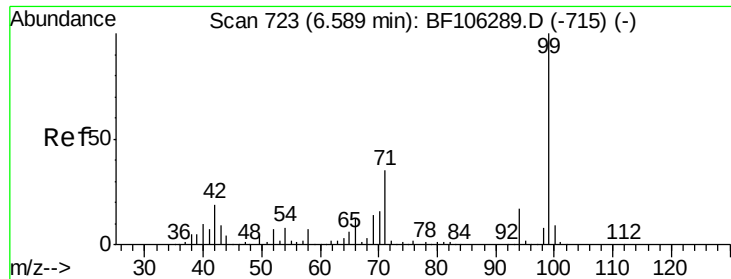


#5

2-Fluorophenol
Concen: 20.194 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.06 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 18.968 ng

RT: 6.66 min Scan# 735

Delta R.T. 0.07 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Instrument :

BNA_F

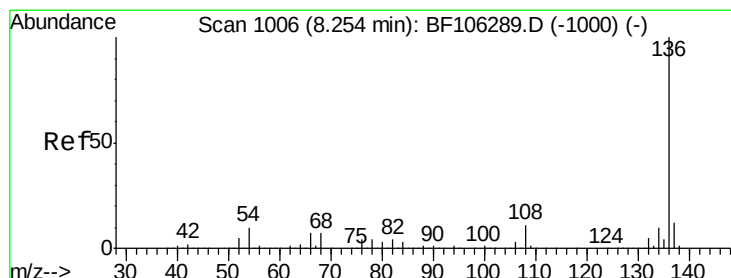
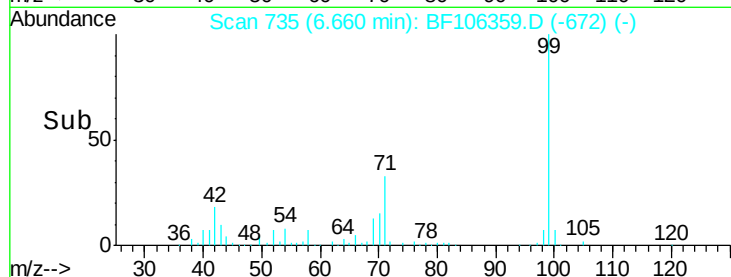
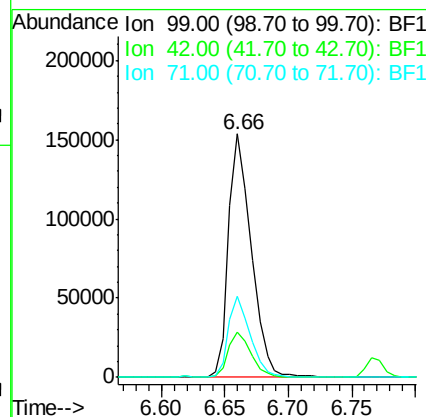
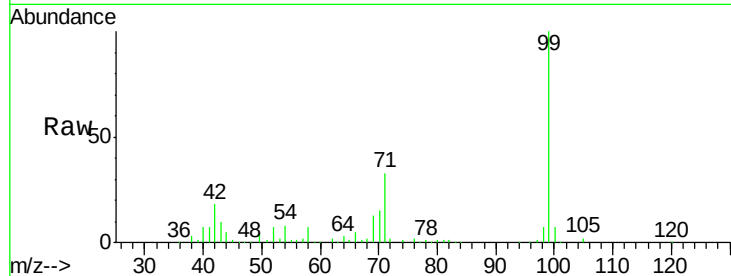
ClientSampleId :

SB02-3 BOT 6.5

Tot Ion:	99	Resp:	192132
Ion Ratio	Lower	Upper	
99	100		
42	18.4	14.5	21.7
71	33.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

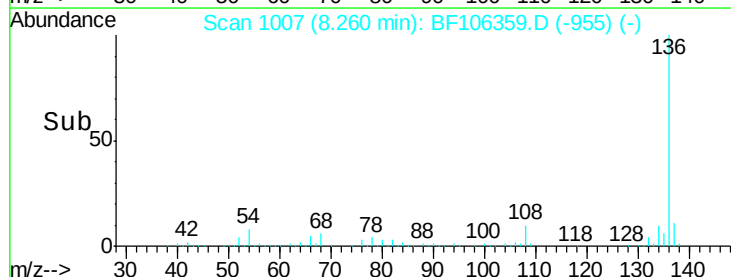
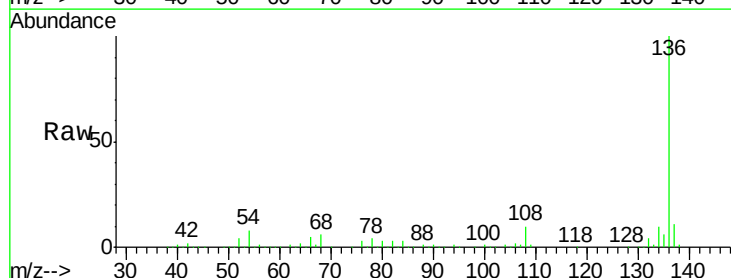
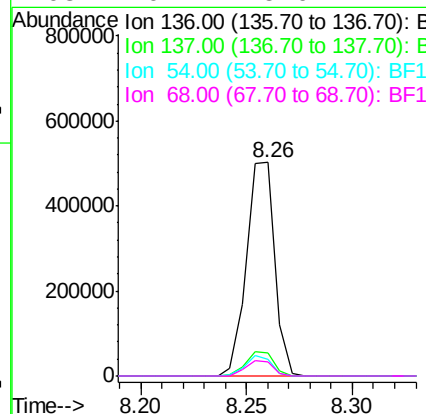
RT: 8.26 min Scan# 1007

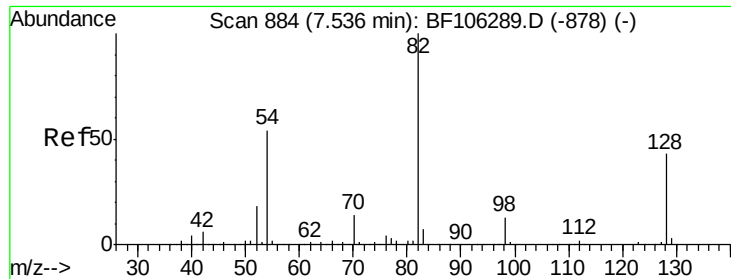
Delta R.T. 0.01 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Tgt Ion:	136	Resp:	465624
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	8.0	6.6	9.8
68	6.4	5.0	7.4





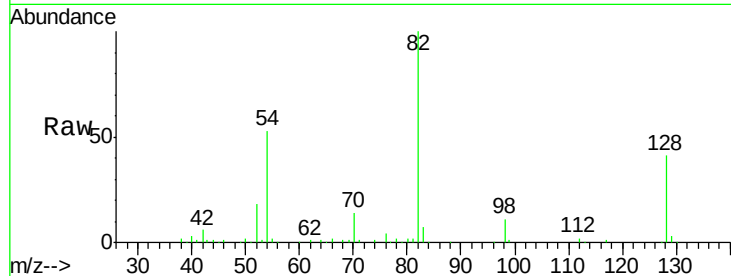
#23
Nitrobenzene-d5
Concen: 13.738 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampled :
SB02-3 BOT 6.5

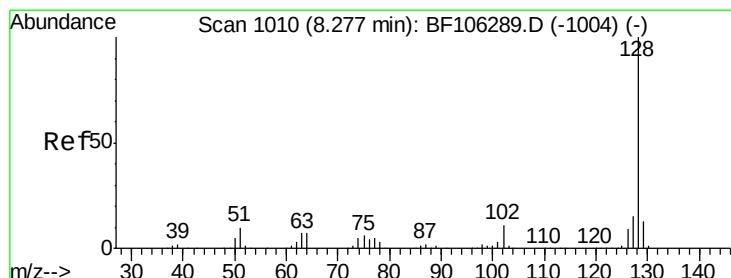
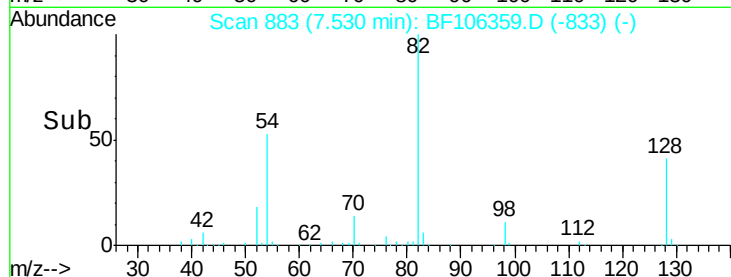
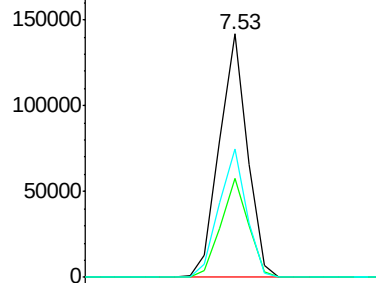
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.6	36.1	54.1	
54	52.5	41.4	62.2	

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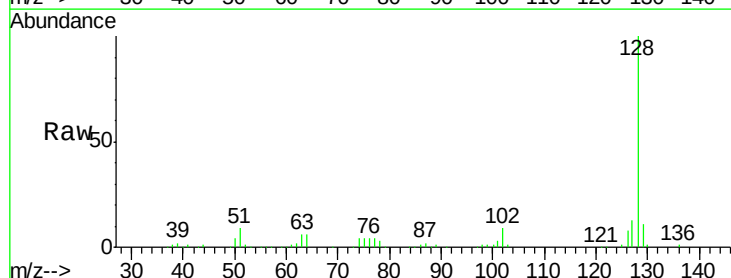


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

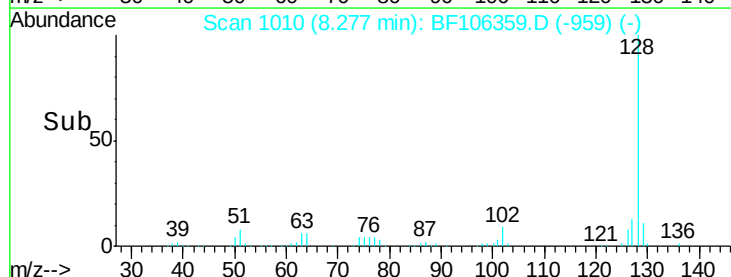
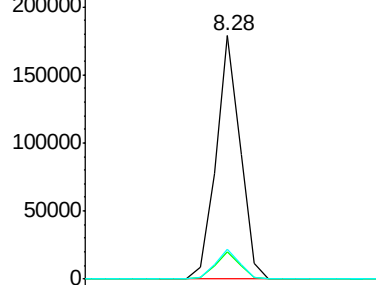


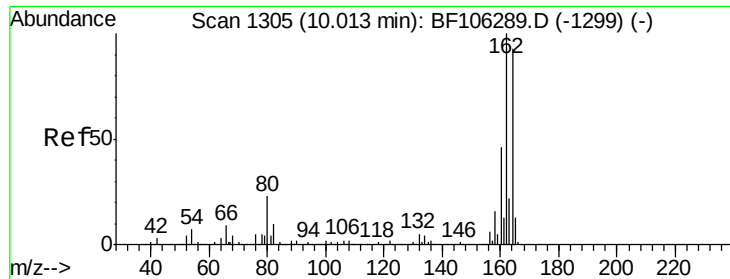
#31
Naphthalene
Concen: 6.206 ng
RT: 8.28 min Scan# 1010
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	8.8	13.2	
127	12.5	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





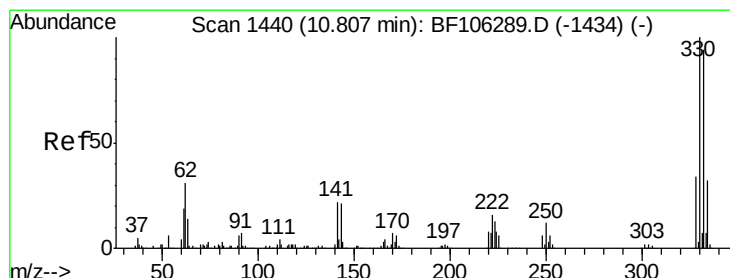
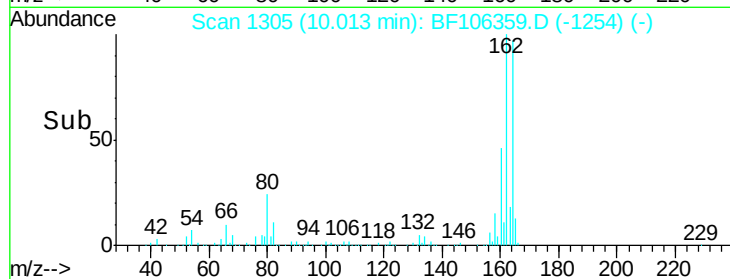
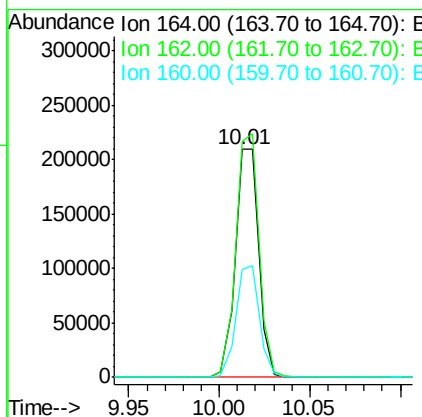
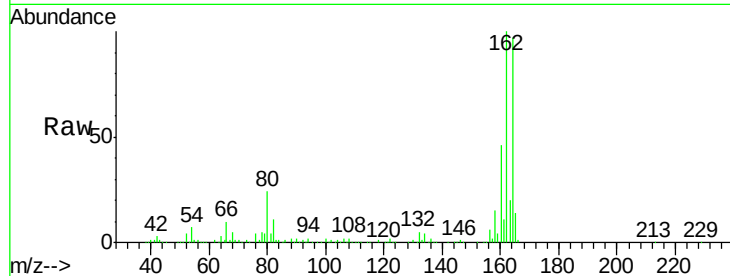
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	47.2	38.3	57.5

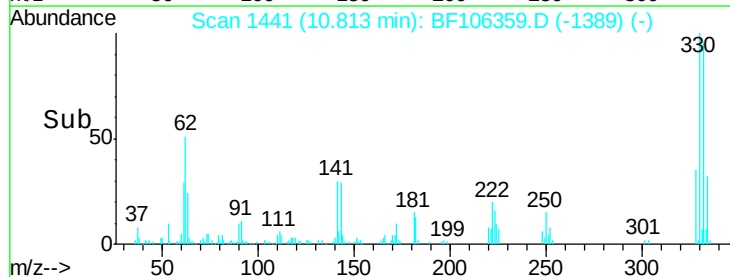
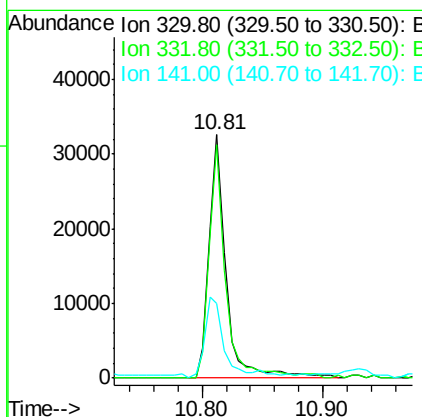
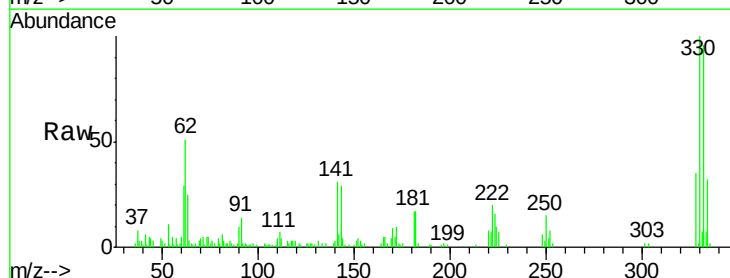
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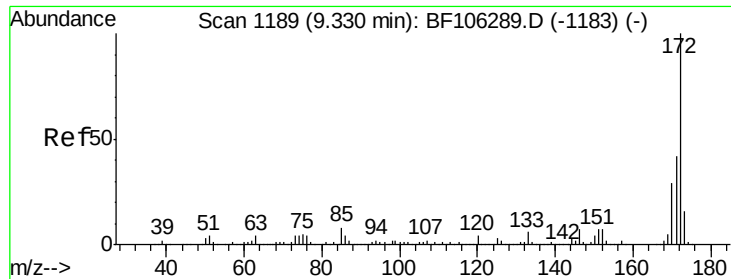
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#41
2,4,6-Tribromophenol
Concen: 17.672 ng
RT: 10.81 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.8	77.0	115.6
141	36.6	29.9	44.9





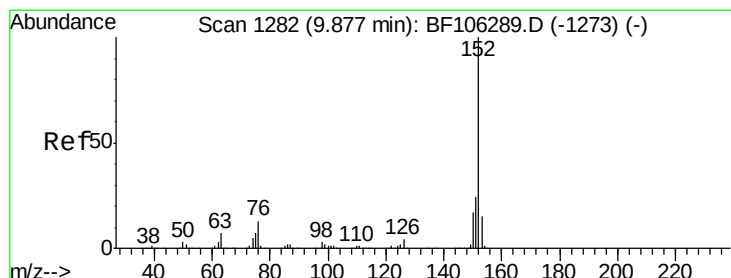
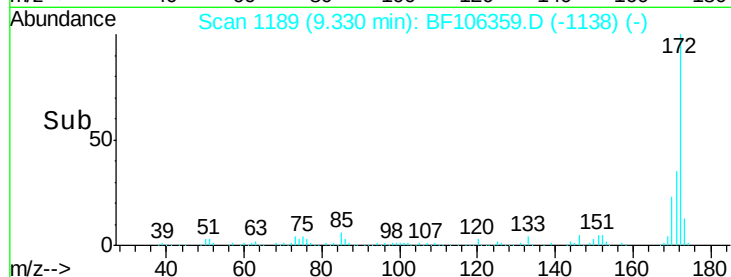
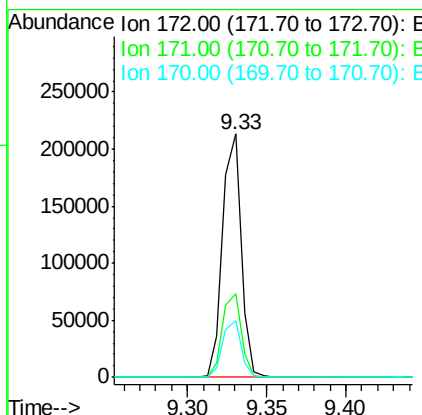
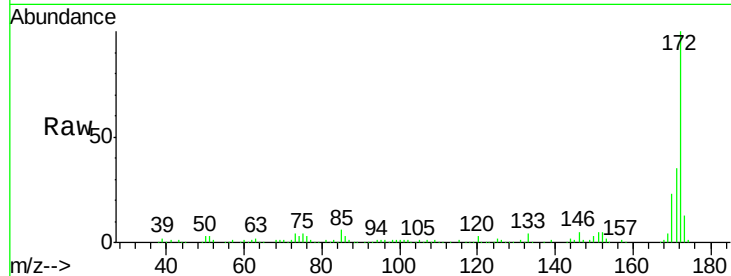
#44
2-Fluorobiphenyl
Concen: 6.941 ng
RT: 9.33 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.7	44.5
170	23.5	19.6	29.4

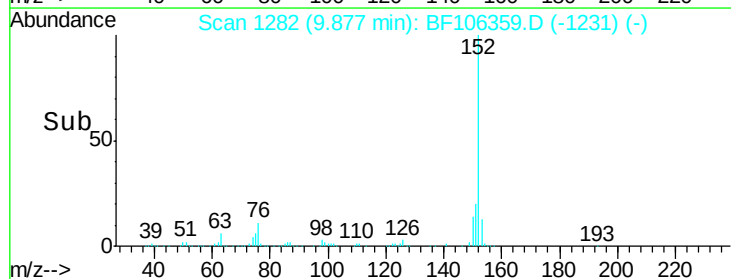
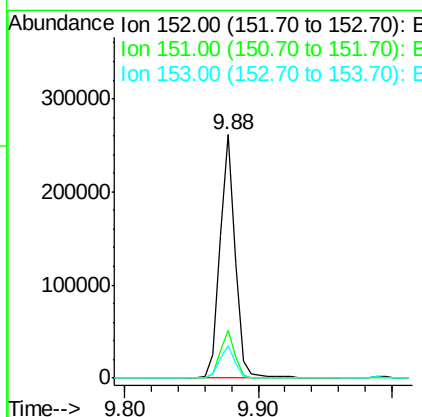
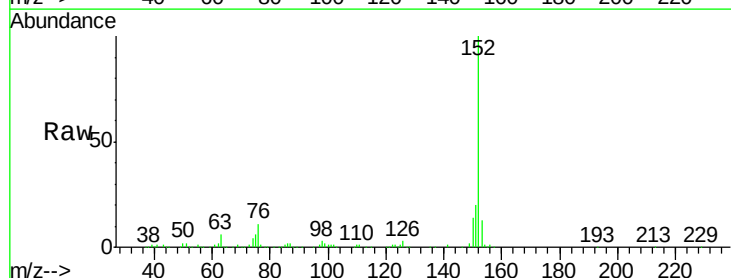
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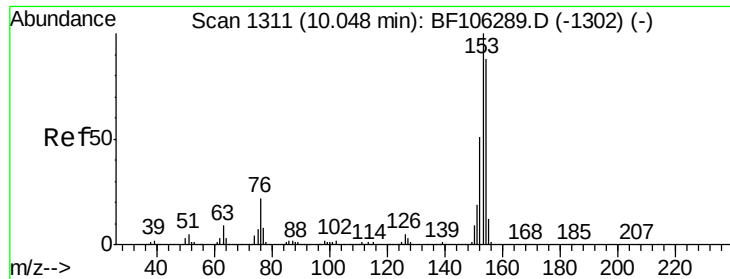
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#48
Acenaphthylene
Concen: 11.914 ng
RT: 9.88 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	13.1	10.7	16.1





#51

Acenaphthene

Concen: 3.243 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Instrument :

BNA_F

ClientSampled :

SB02-3 BOT 6.5

Tot Ion:154 Resp: 37428

Ion Ratio Lower Upper

154 100

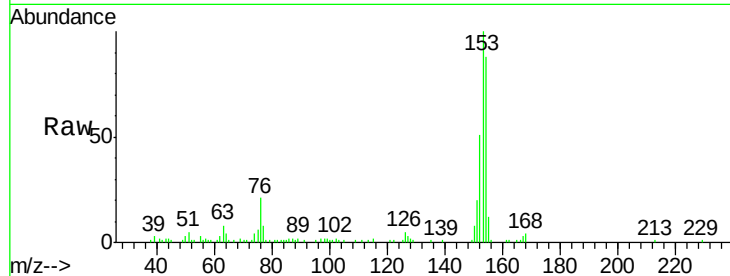
153 113.6 91.2 136.8

152 57.4 43.8 65.8

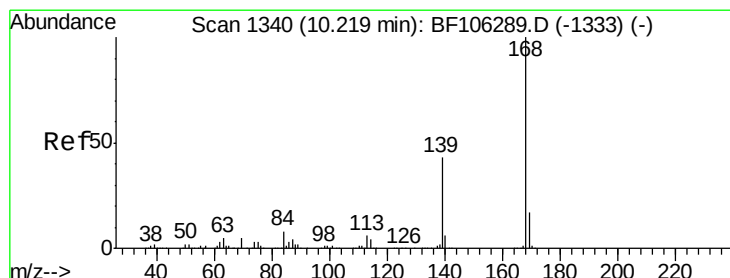
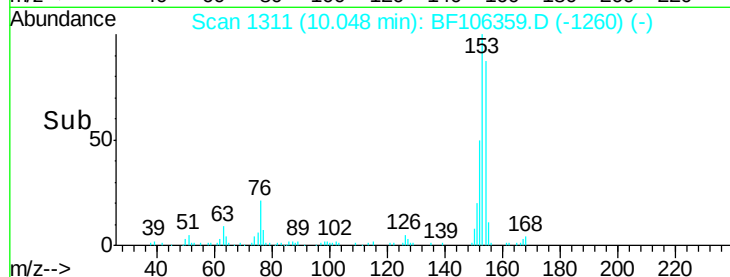
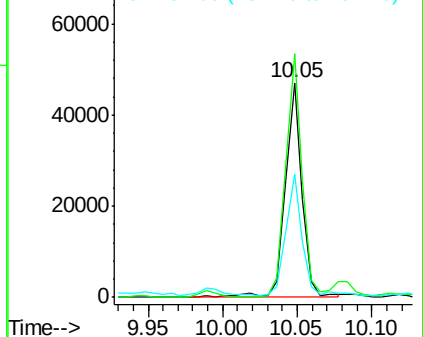
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.164 ng

RT: 10.22 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

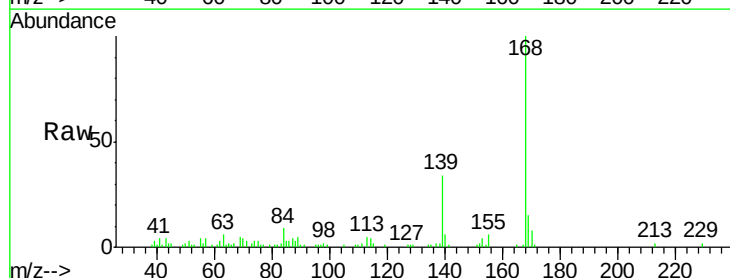
Tgt Ion:168 Resp: 33635

Ion Ratio Lower Upper

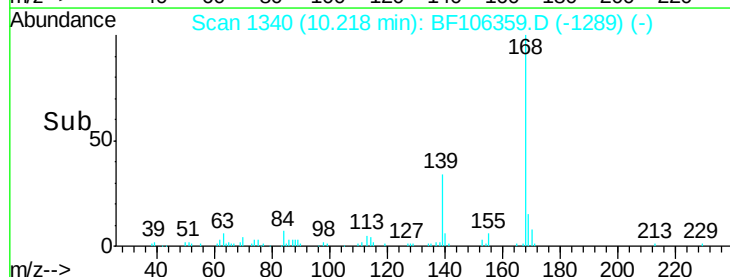
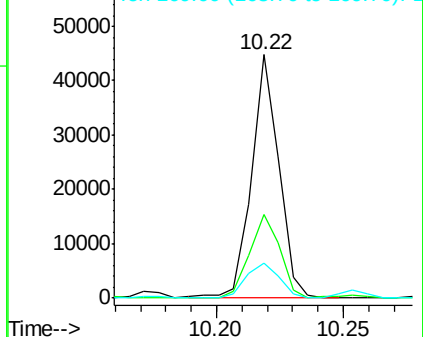
168 100

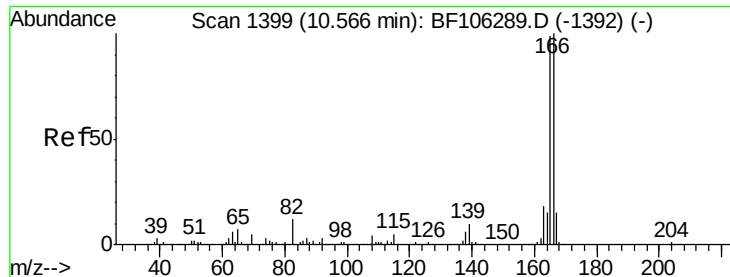
139 34.5 30.1 45.1

169 14.6 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





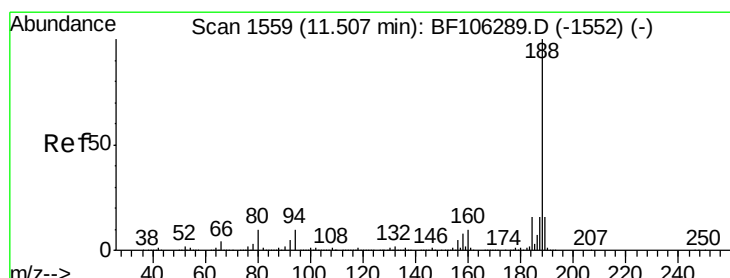
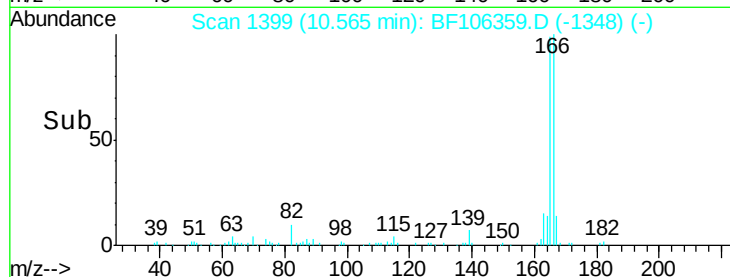
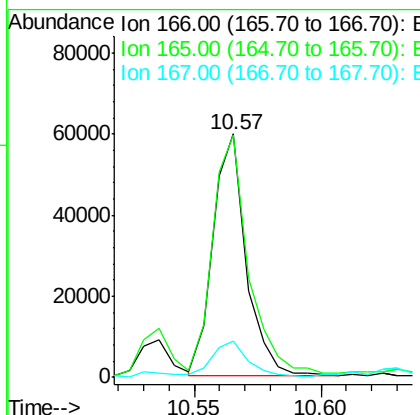
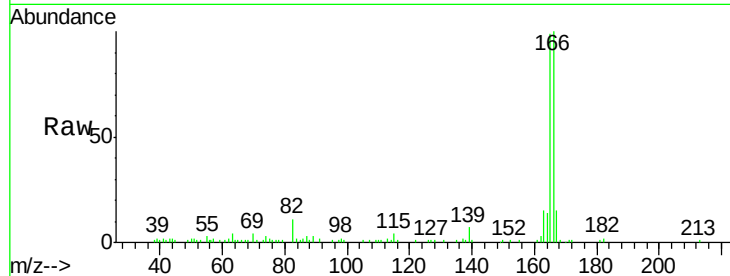
#57
 Fluorene
 Concen: 4.435 ng
 RT: 10.57 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF106359.D
 Acq: 12 Jun 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.8	119.8
167	15.0	10.6	16.0

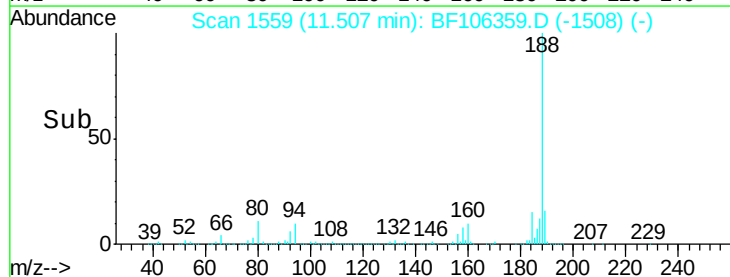
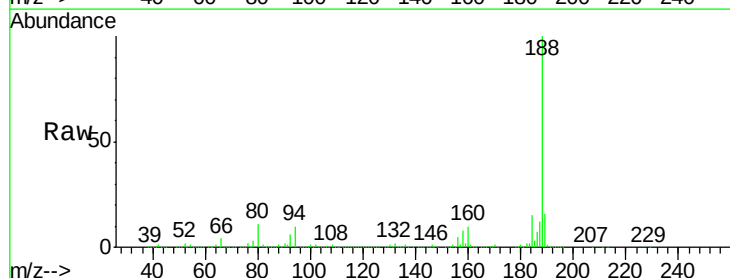
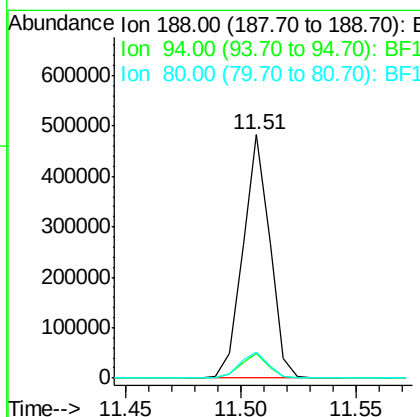
Manual Integrations
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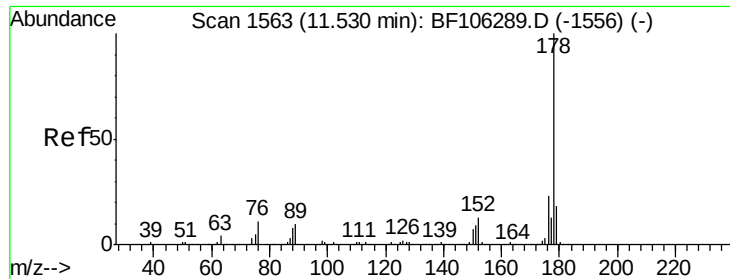
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: BF106359.D
 Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.9	9.2	13.8





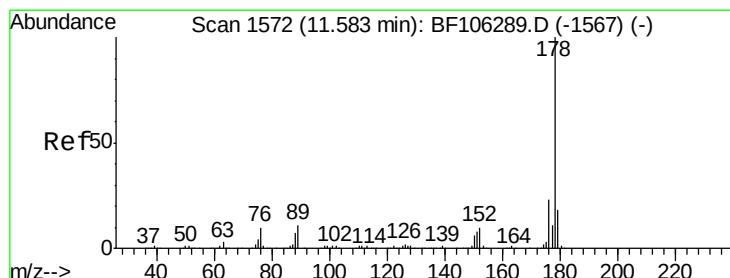
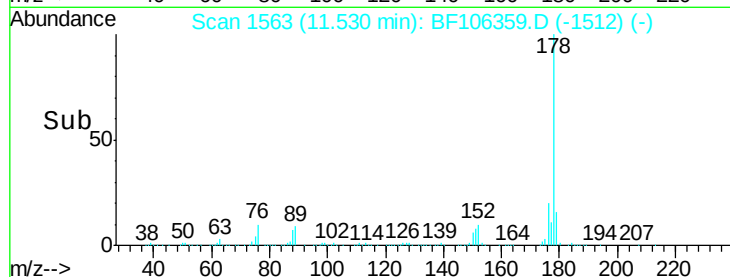
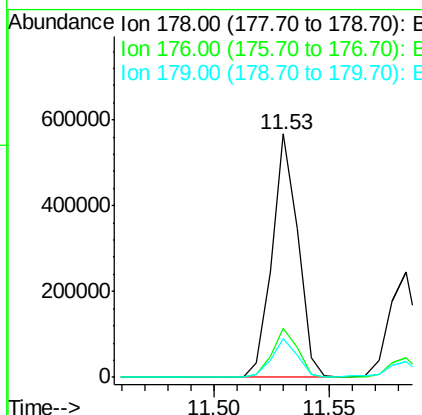
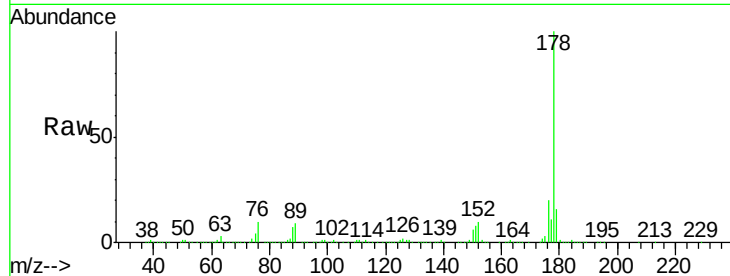
#70
Phenanthrene
Concen: 22.925 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	16.1	13.0	19.6

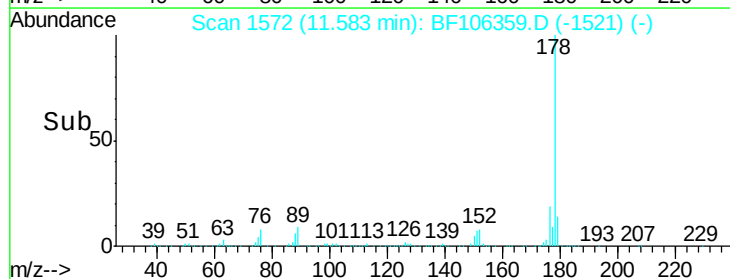
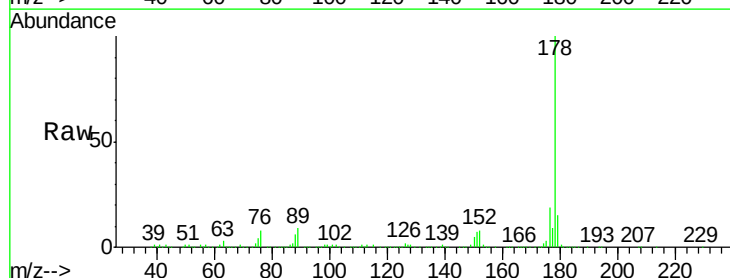
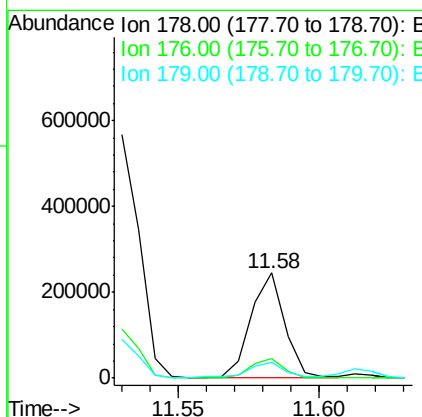
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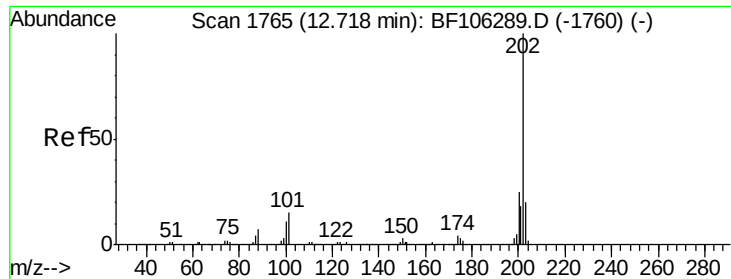
Sohil
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#71
Anthracene
Concen: 10.476 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	14.6	12.6	19.0





#74

Fluoranthene

Concen: 52.639 ng

RT: 12.72 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Instrument :

BNA_F

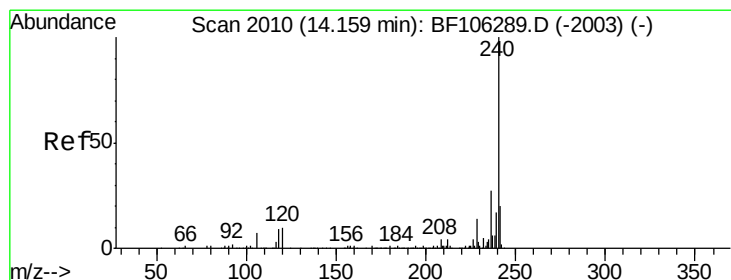
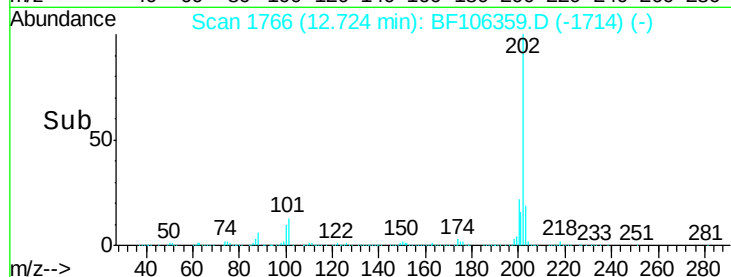
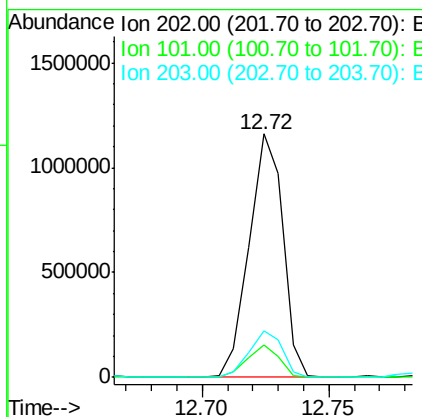
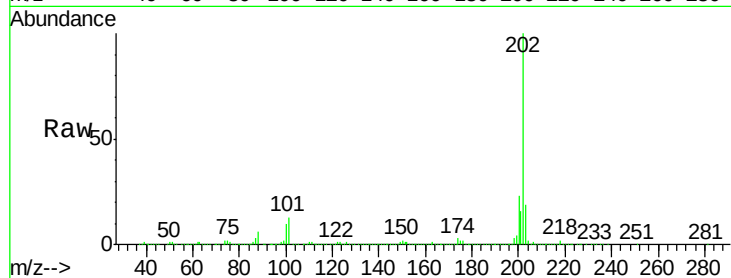
ClientSampleId :

SB02-3 BOT 6.5

Tot Ion:	202	Resp:	1078144
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.1
203	19.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

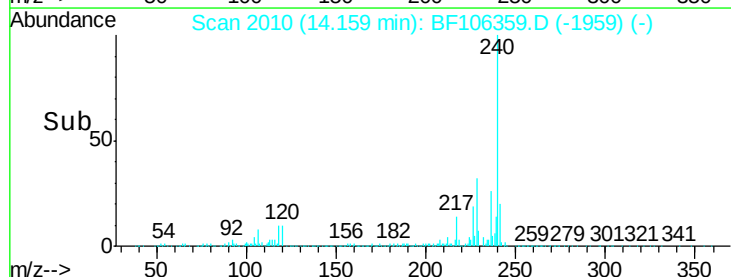
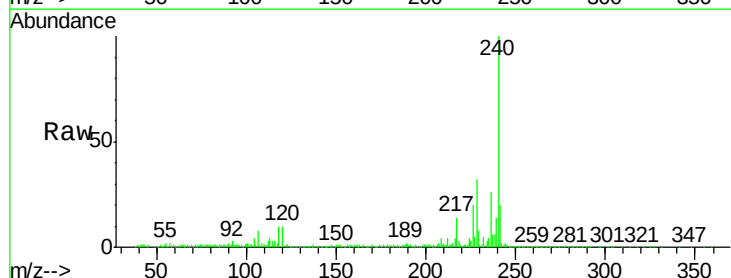
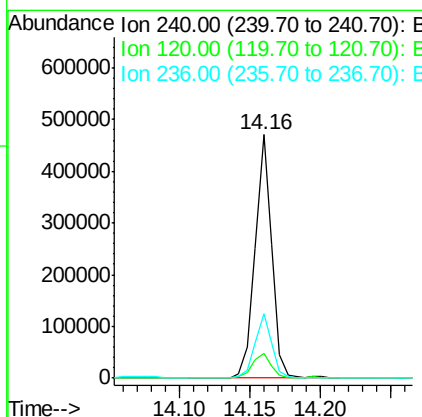
RT: 14.16 min Scan# 2010

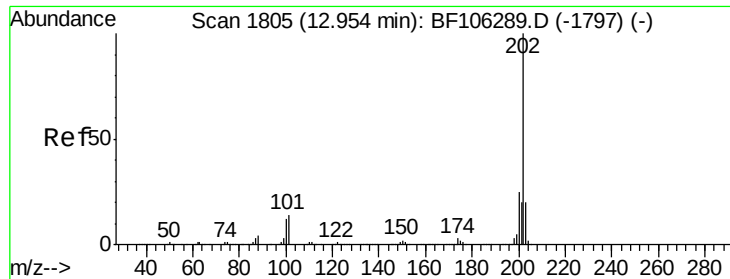
Delta R.T. -0.00 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Tgt Ion:	240	Resp:	390325
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.5	14.3
236	26.2	20.7	31.1





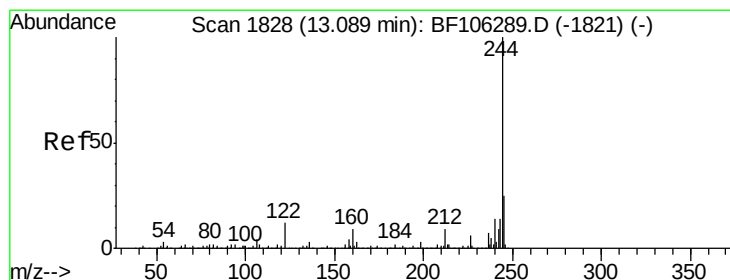
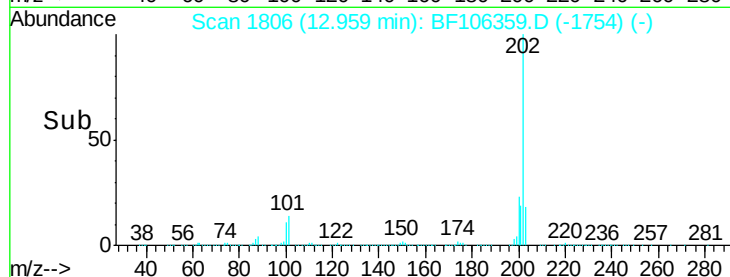
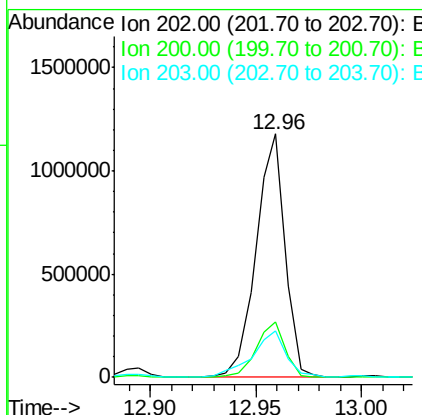
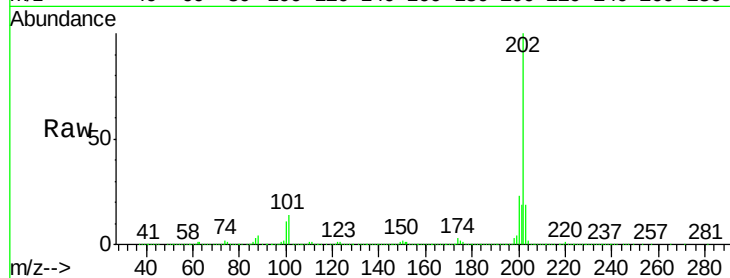
#77
Pvrene
Concen: 45.905 ng
RT: 12.96 min Scan# 1806
Delta R.T. 0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.4	26.2
203	18.9	14.3	21.5

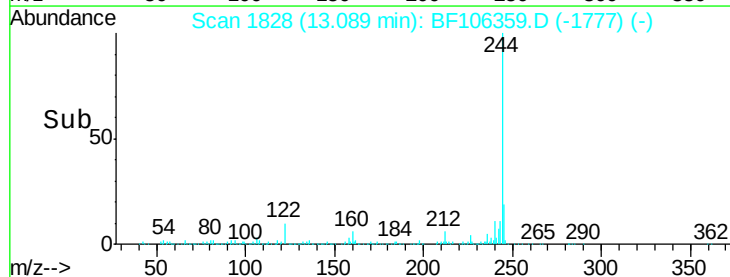
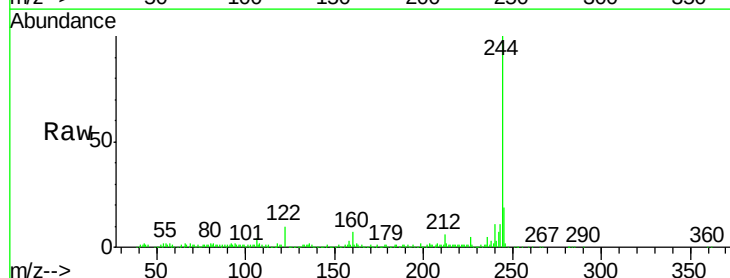
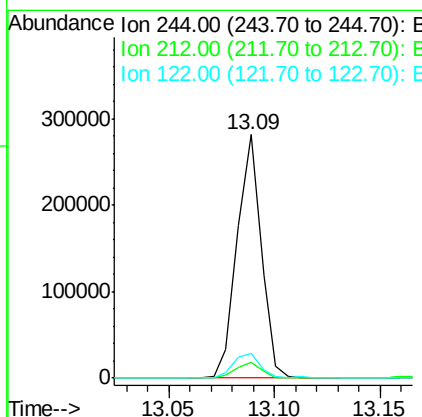
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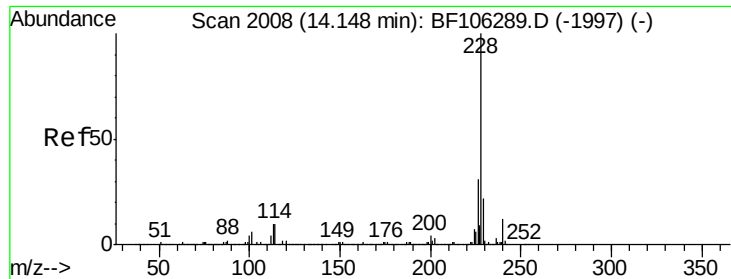
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#78
Terphenyl-d14
Concen: 14.198 ng
RT: 13.09 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.9	11.0	16.4#





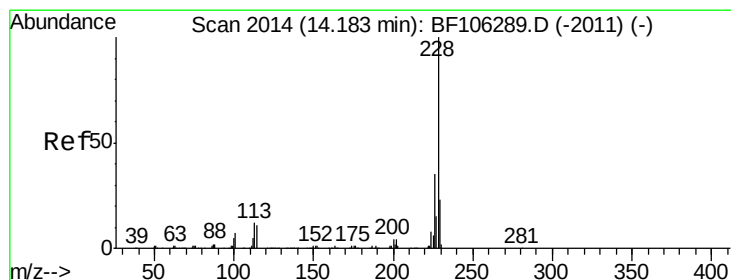
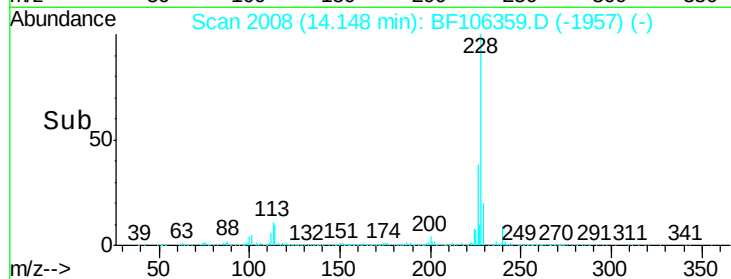
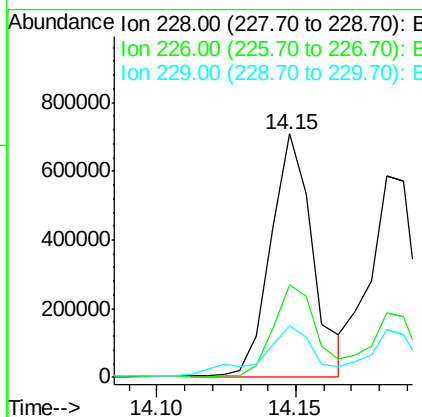
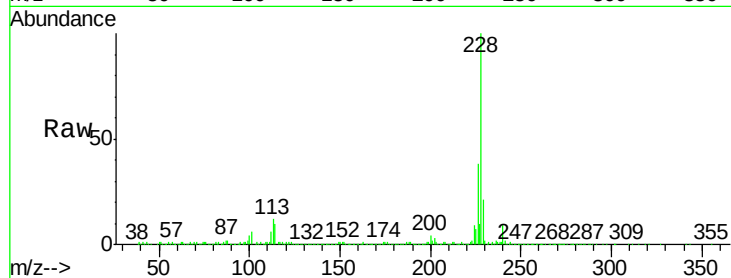
#80
Benzo(a)anthracene
Concen: 31.702 ng m
RT: 14.15 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.2	22.6	33.8#
229	21.0	15.8	23.6

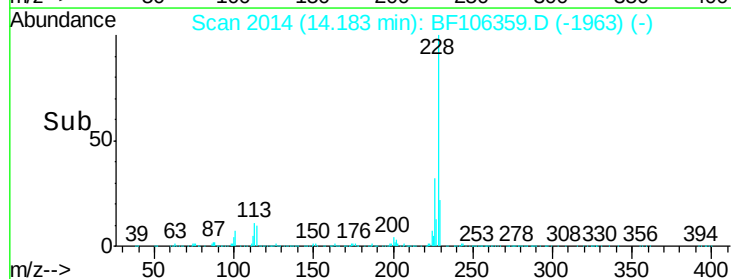
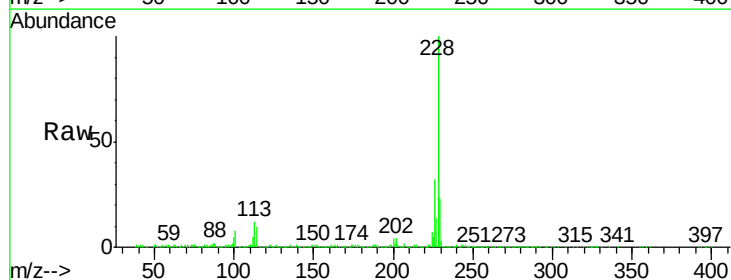
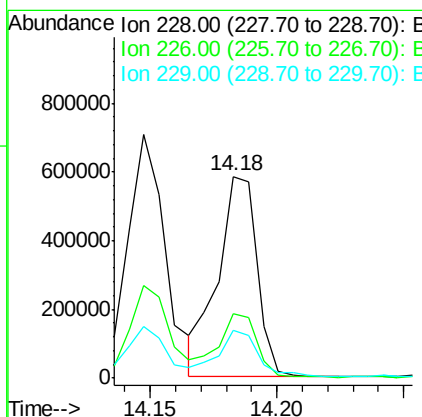
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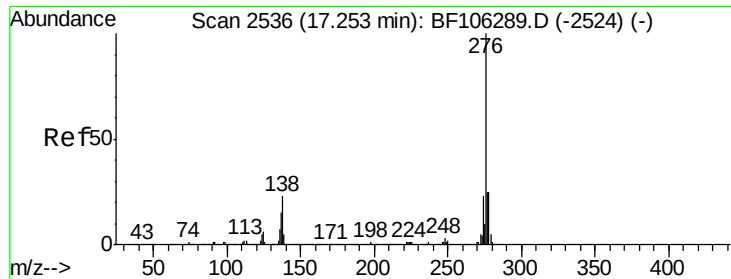
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#82
Chrysene
Concen: 29.759 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	23.5	16.2	24.4





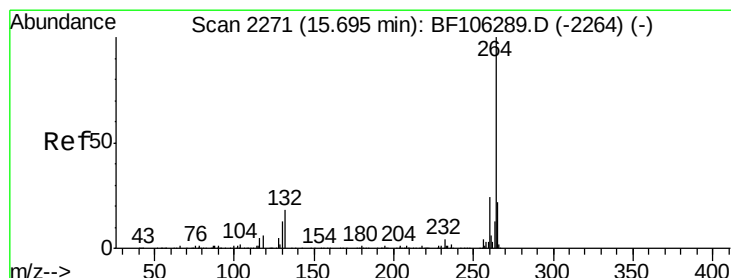
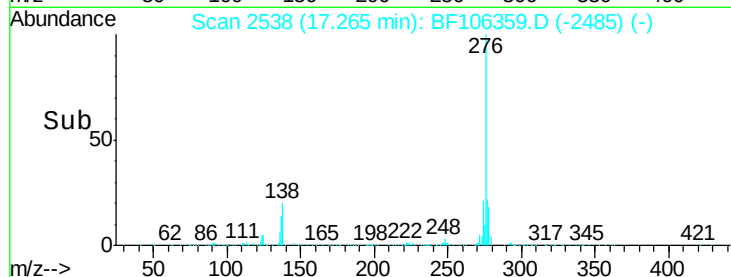
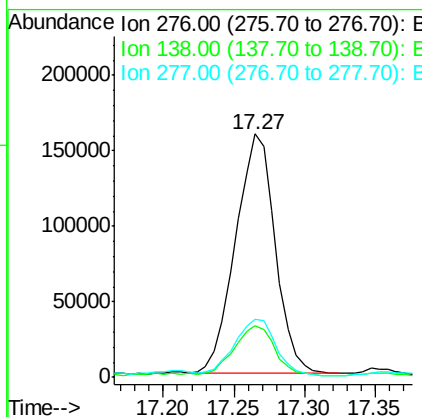
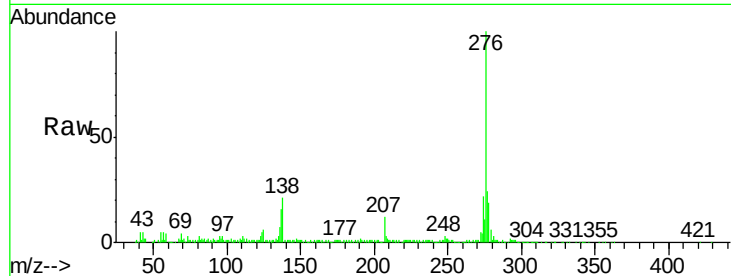
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.453 ng
RT: 17.27 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	25.0	37.6#
277	24.3	20.1	30.1

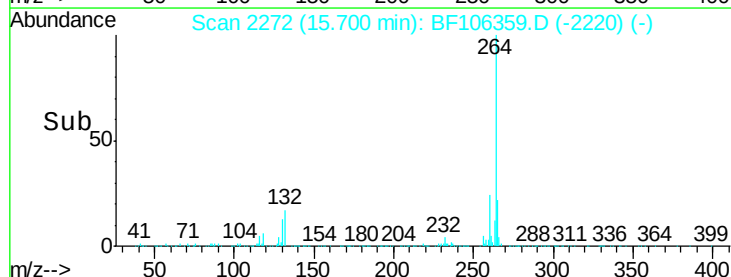
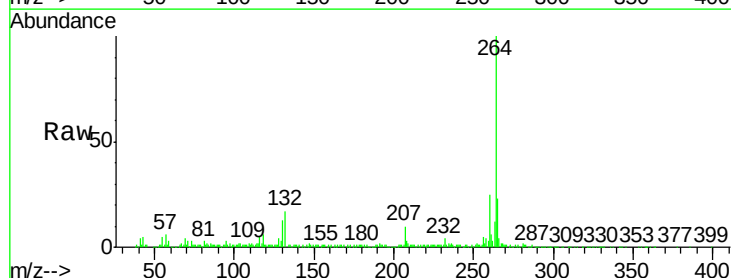
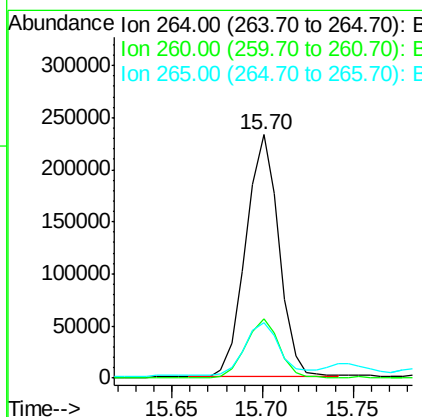
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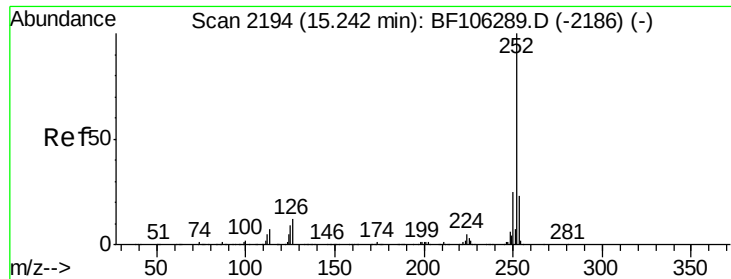
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 45.703 ng m

RT: 15.24 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Instrument :

BNA_F

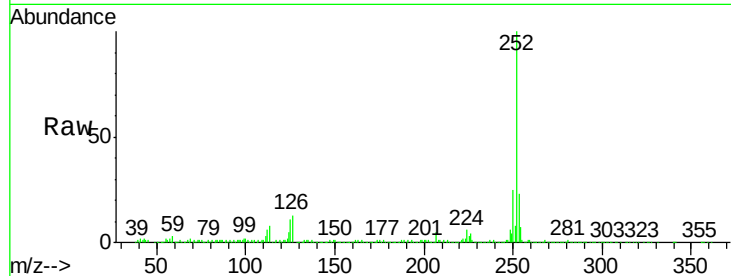
ClientSampleId :

SB02-3 BOT 6.5

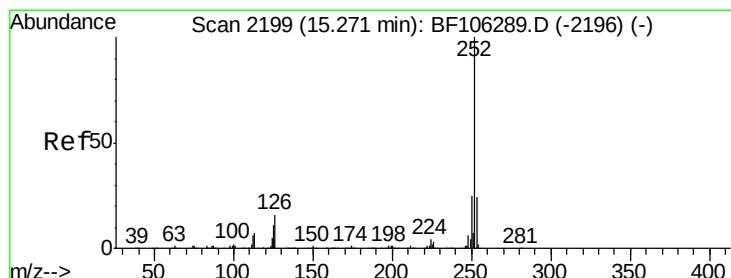
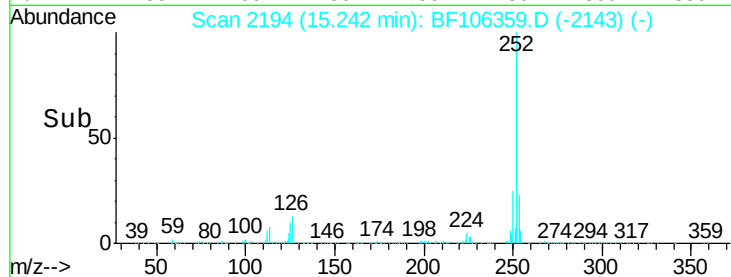
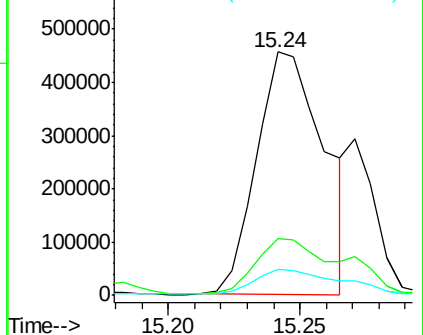
Tot Ion:	252	Resp:	818467
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	10.8	9.0	13.6

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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



#88

Benzo(k)fluoranthene

Concen: 11.934 ng m

RT: 15.27 min Scan# 2199

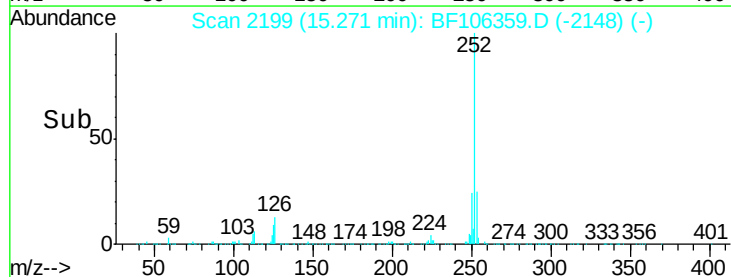
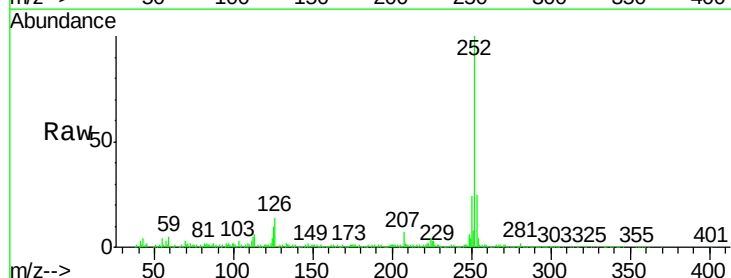
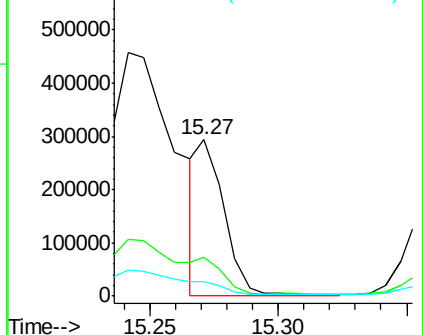
Delta R.T. -0.00 min

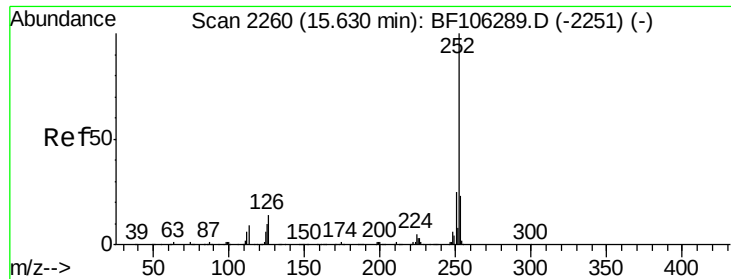
Lab File: BF106359.D

Acq: 12 Jun 2018 21:51

Tgt Ion:	252	Resp:	211657
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.9	26.9
125	9.7	10.2	15.2#

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





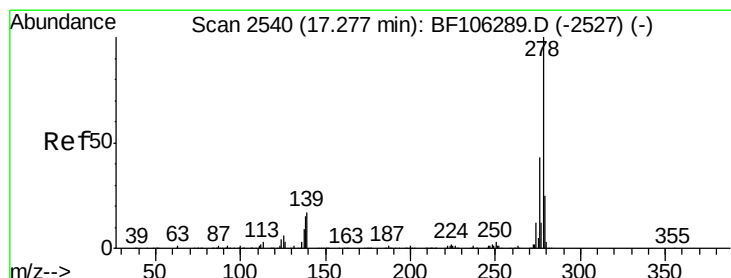
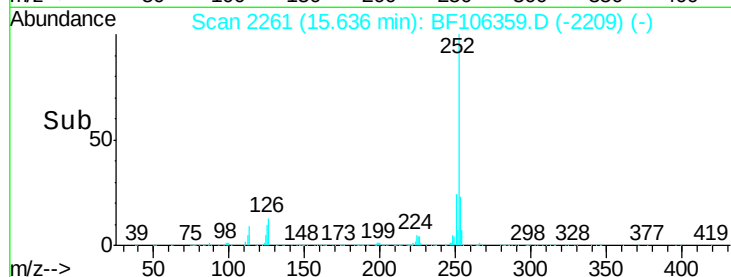
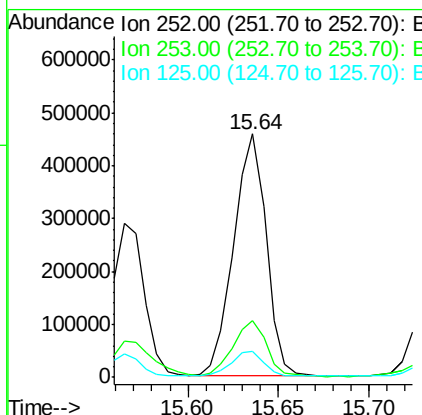
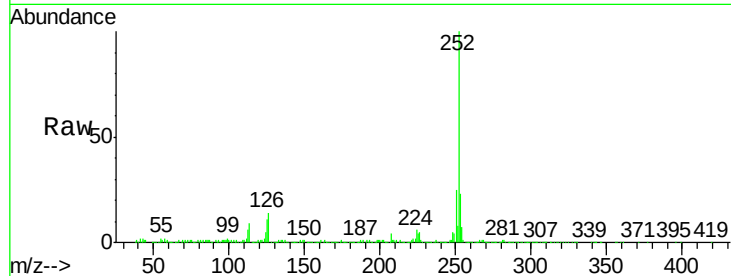
#89
Benzo(a)pyrene
Concen: 35.774 ng
RT: 15.64 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Instrument :
BNA_F
ClientSampleId :
SB02-3 BOT 6.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.8	9.8	14.6

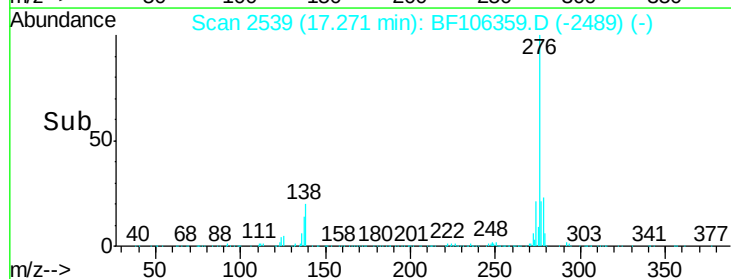
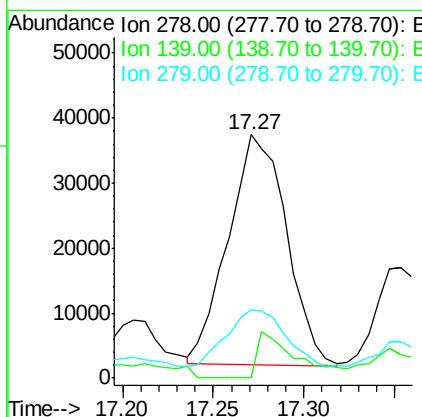
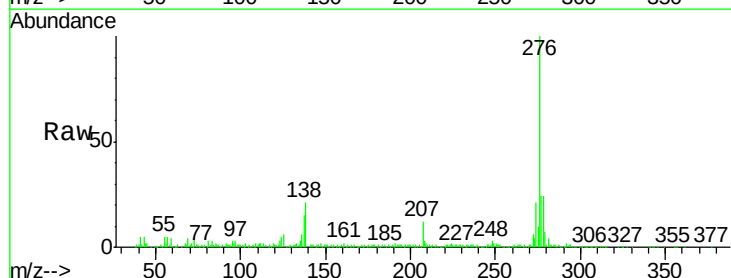
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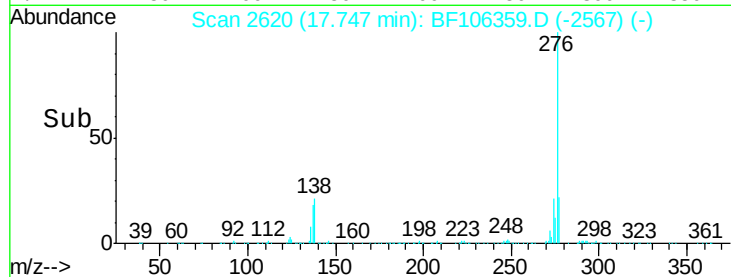
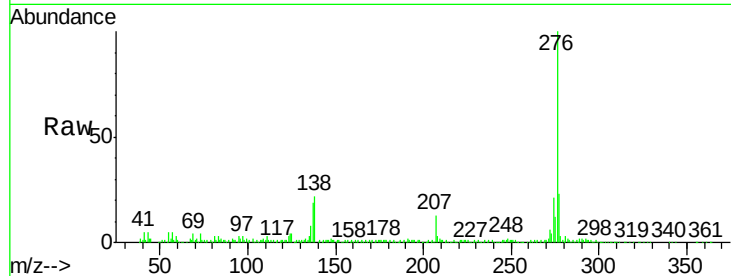
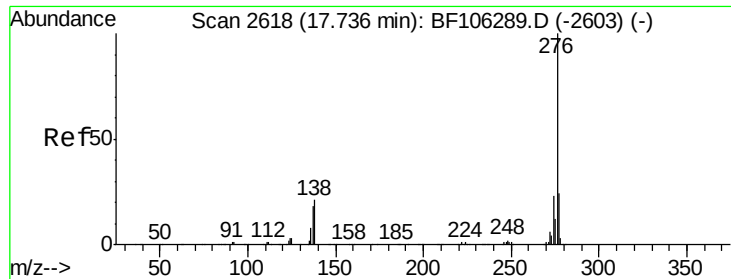
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.912 ng m
RT: 17.27 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF106359.D
Acq: 12 Jun 2018 21:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 24.051 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. 0.01 min
 Lab File: BF106359.D
 Acq: 12 Jun 2018 21:51

Instrument :
 BNA_F
 ClientSampleId :
 SB02-3 BOT 6.5

Tot Ion:	276	Resp:	313886
Ion Ratio	Lower	Upper	
276	100		
277	23.3	17.9	26.9
138	22.2	21.8	32.8

Manual Integrations
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