

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
 Data File : BF106303.D
 Acq On : 11 Jun 2018 19:08
 Operator : JU/SJ
 Sample : J3247-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060718

Manual Integrations
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Sohil
 6/12/2018 12:58:22 PM

Quant Time: Jun 12 09:13:02 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	210945	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	801306	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	377739	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	655086	20.00	ng	0.00
75) Chrysene-d12	14.15	240	561988	20.00	ng	0.00
86) Perylene-d12	15.69	264	485557	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	831381	66.71	ng	0.00
7) Phenol-d6	6.58	99	1051704	66.79	ng	0.00
23) Nitrobenzene-d5	7.52	82	674443	49.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	258430	71.10	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1190802	47.63	ng	0.00
78) Terphenyl-d14	13.08	244	1131670	50.02	ng	0.00
Target Compounds						
48) Acenaphthylene	9.87	152	164736	4.597	ng	99
49) Dimethylphthalate	9.71	163	181302	6.718	ng	99
57) Fluorene	10.55	166	75639	3.063	ng	98
70) Phenanthrene	11.52	178	794938	24.778	ng	98
71) Anthracene	11.57	178	308066	9.585	ng	99
74) Fluoranthene	12.72	202	1364171	39.872	ng	97
77) Pyrene	12.95	202	1545357	43.922	ng	94
80) Benzo(a)anthracene	14.14	228	833149	24.912	ng	91
82) Chrysene	14.18	228	831821	27.242	ng	96
85) Indeno(1,2,3-cd)pyrene	17.24	276	311844m	12.797	ng	
87) Benzo(b)fluoranthene	15.24	252	893120m	30.429	ng	
88) Benzo(k)fluoranthene	15.26	252	237003m	8.153	ng	
89) Benzo(a)pyrene	15.62	252	694176	26.294	ng	96
90) Dibenzo(a,h)anthracene	17.25	278	85593m	3.889	ng	
91) Benzo(a,h,i)perylene	17.72	276	340911	15.938	ng	# 91

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

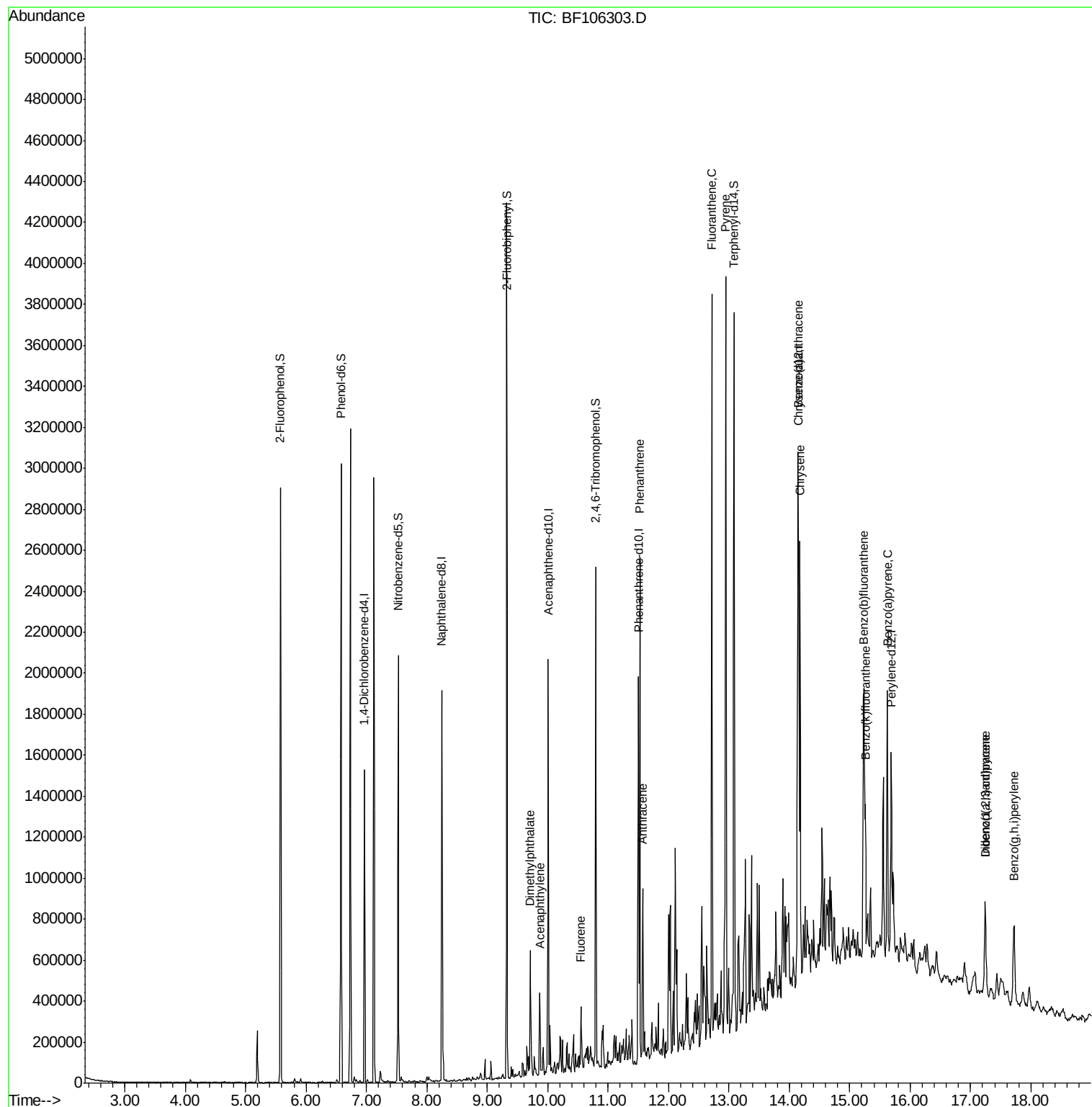
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061118\
Data File : BF106303.D
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ALS Vial : 10 Sample Multiplier: 1

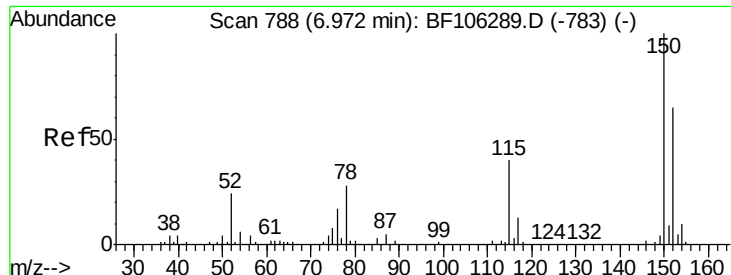
Instrument :
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ClientSampleId :
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Quant Time: Jun 12 09:13:02 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

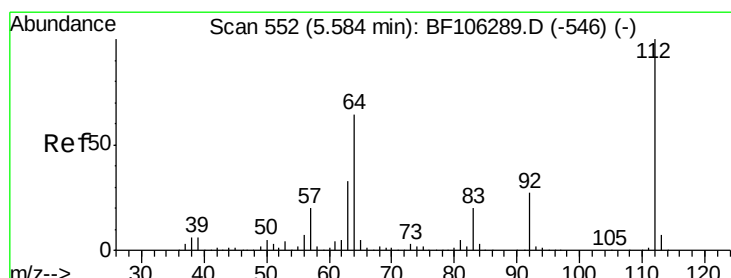
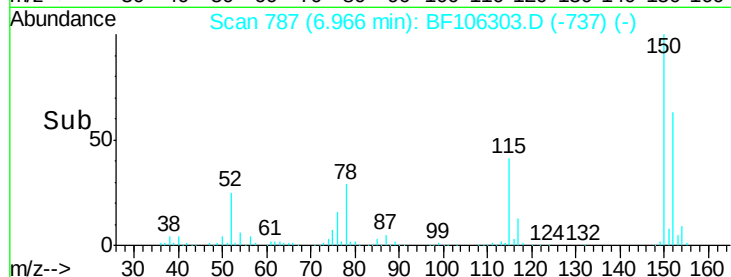
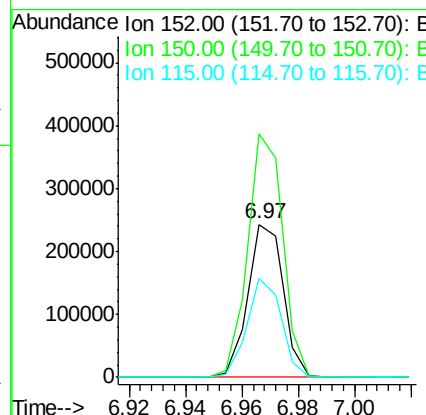
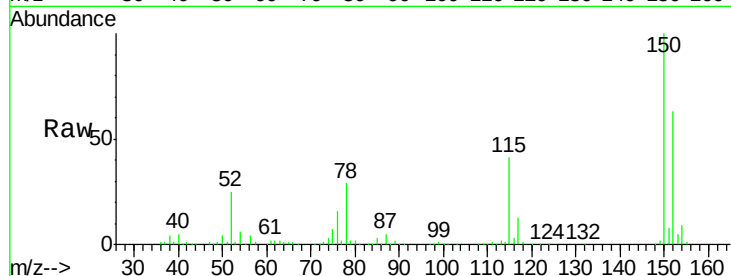
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	65.0	50.1	75.1

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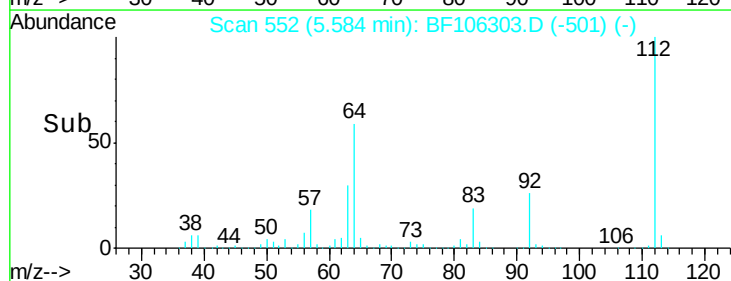
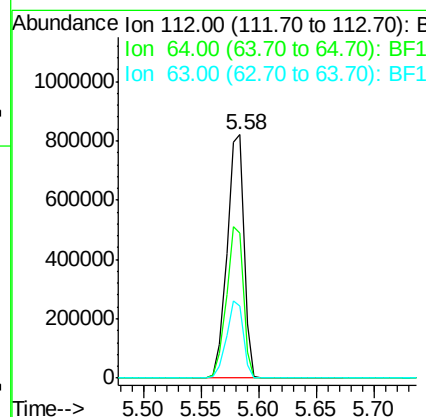
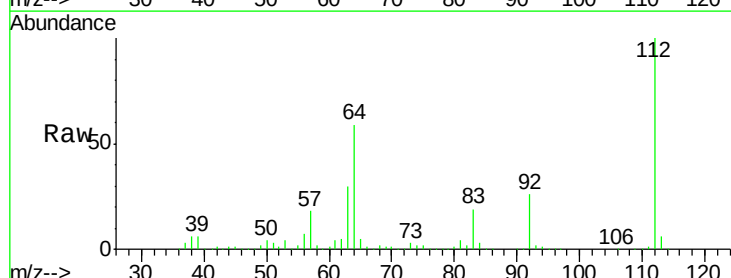
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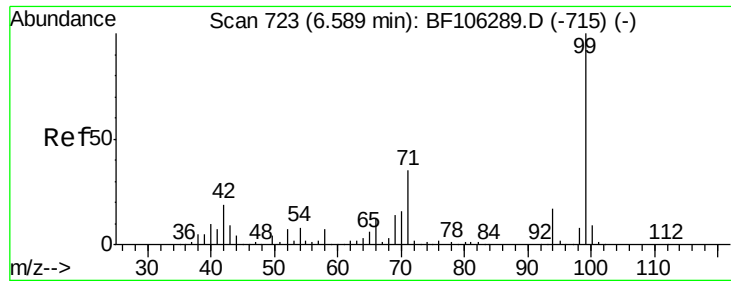


#5

2-Fluorophenol
Concen: 66.705 ng
RT: 5.58 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.9	23.7	35.5





#7

Phenol-d6

Concen: 66.790 ng

RT: 6.58 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF106303.D

Acq: 11 Jun 2018 19:08

Instrument :

BNA_F

ClientSampled :

OR-02-060718

Tot Ion: 99 Resp: 1051704

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

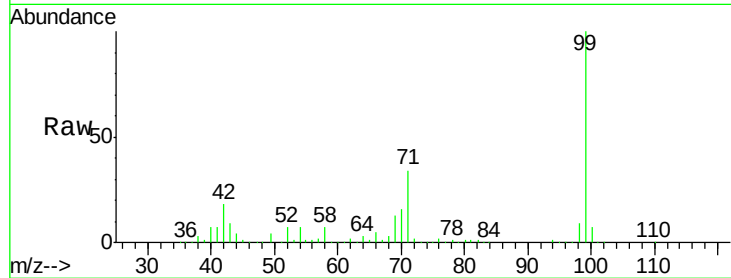
71 34.1 25.4 38.0

Manual Integrations

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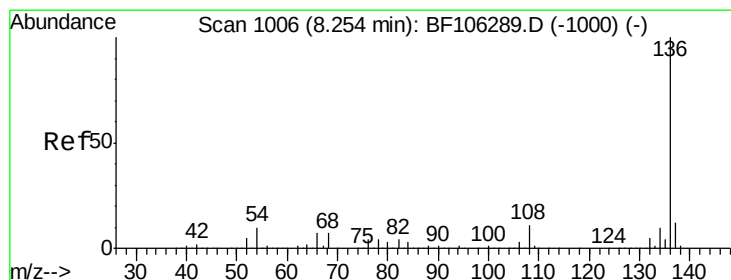
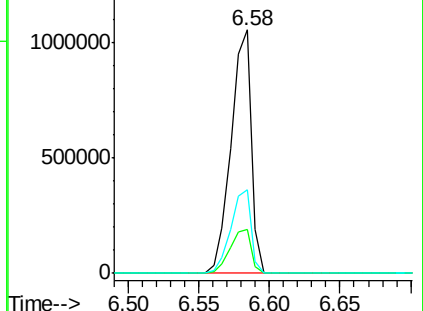
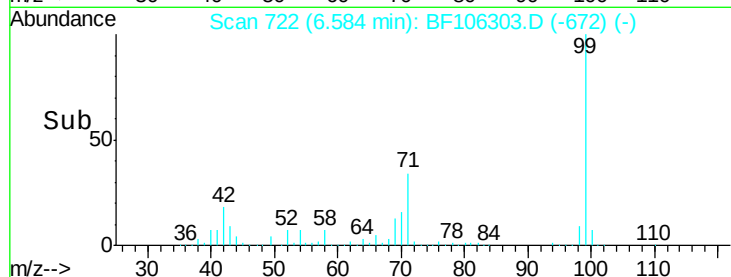
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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. -0.01 min

Lab File: BF106303.D

Acq: 11 Jun 2018 19:08

Tgt Ion: 136 Resp: 801306

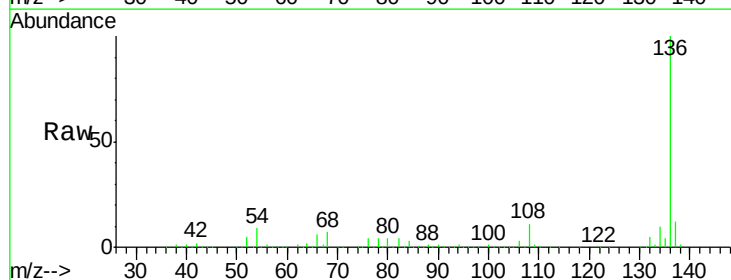
Ion Ratio Lower Upper

136 100

137 11.6 8.9 13.3

54 9.5 6.6 9.8

68 7.3 5.0 7.4

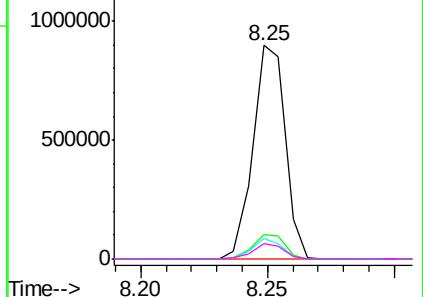
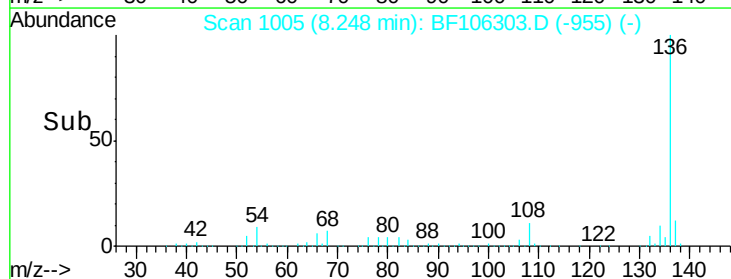


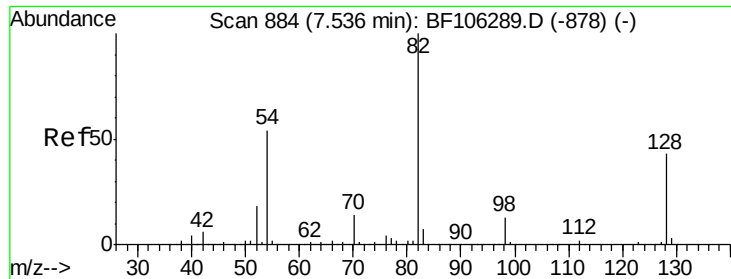
Abundance Ion 136.00 (135.70 to 136.70): E

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





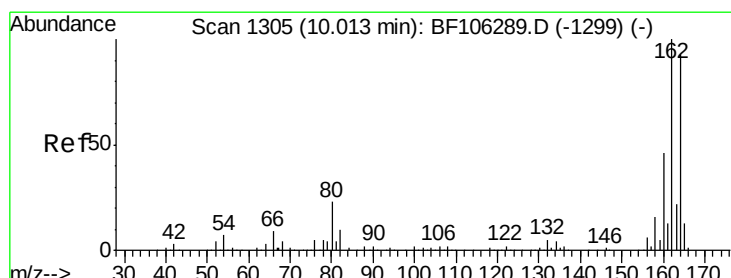
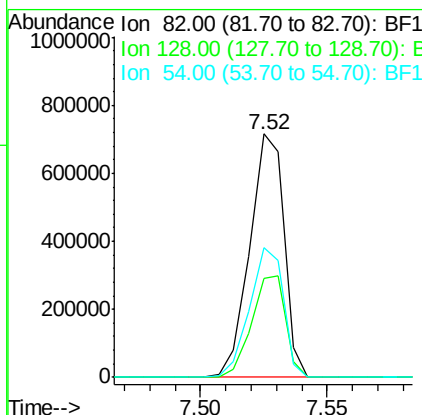
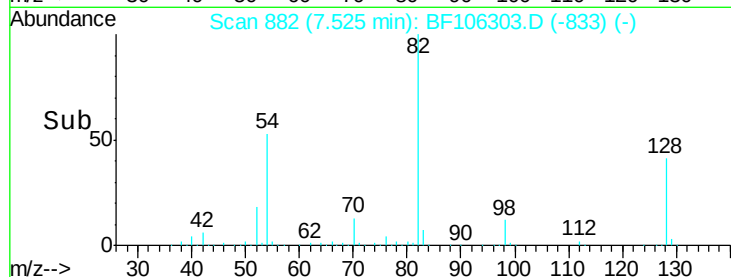
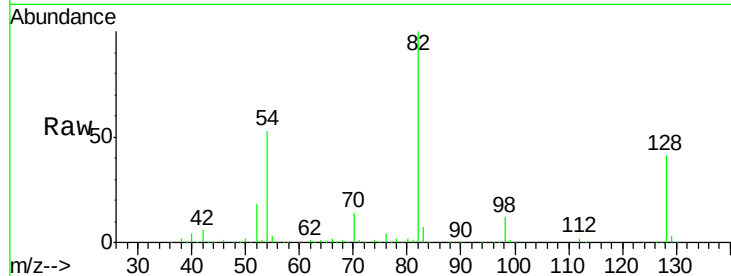
#23
 Nitrobenzene-d5
 Concen: 49.515 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106303.D
 Acq: 11 Jun 2018 19:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060718

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.1	54.1
54	53.1	41.4	62.2

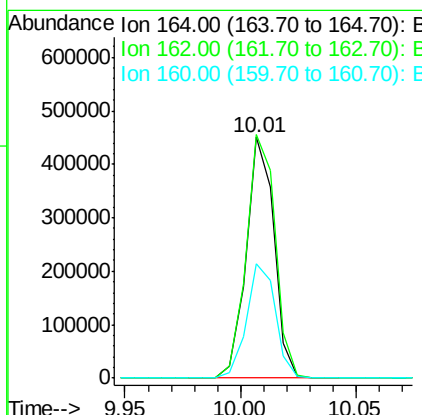
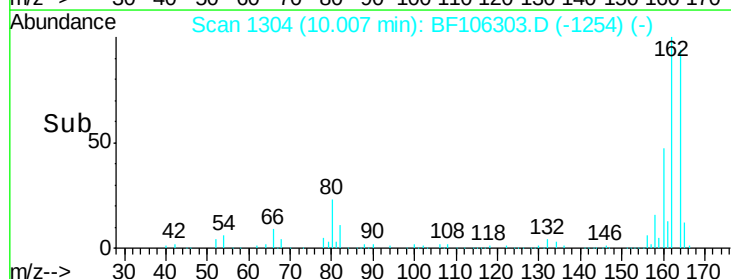
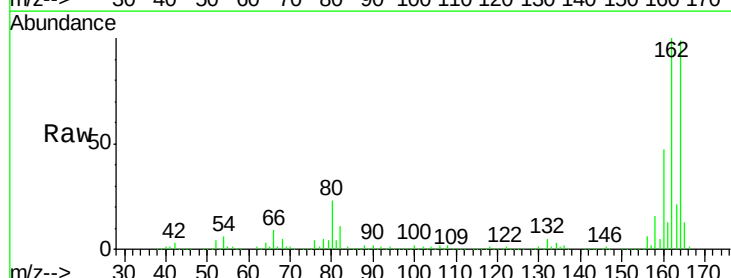
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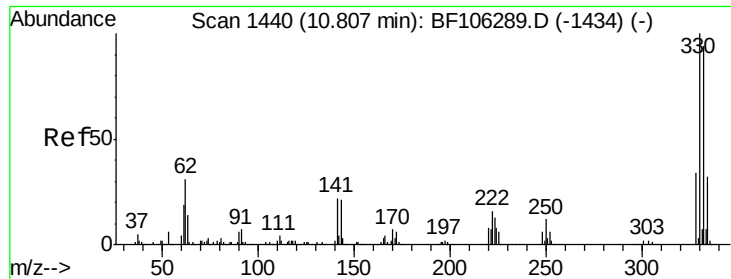
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF106303.D
 Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	86.1	129.1
160	47.7	38.3	57.5





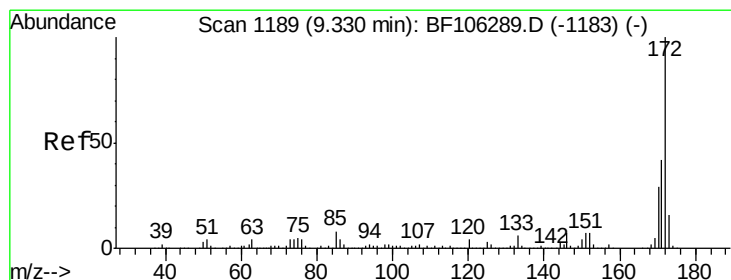
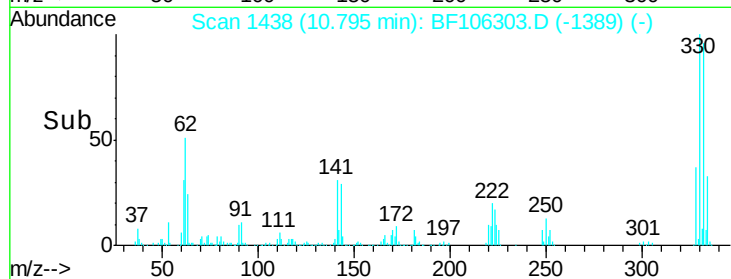
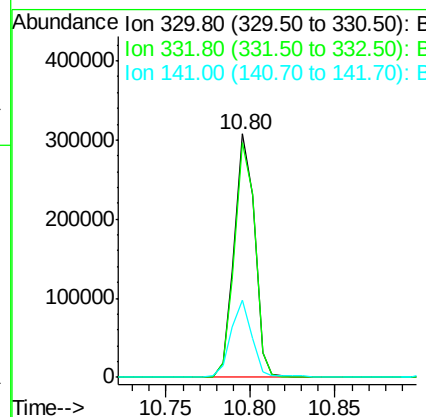
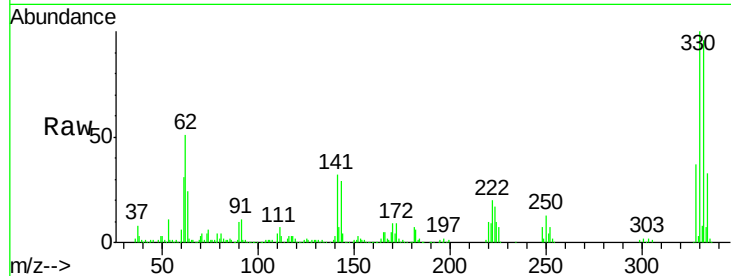
#41
 2,4,6-Tribromophenol
 Concen: 71.105 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106303.D
 Acq: 11 Jun 2018 19:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060718

Tot Ion	Ratio	Resp	Lower	Upper
330	100	258430		
332	96.7	77.0	115.6	
141	31.8	29.9	44.9	

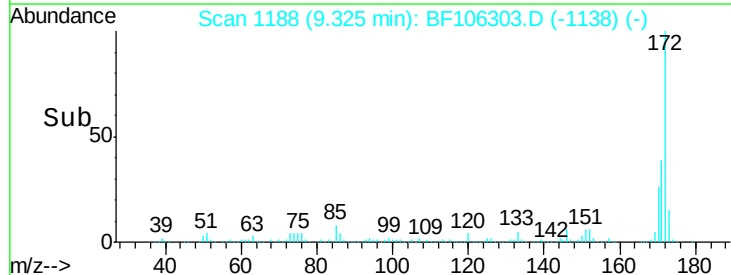
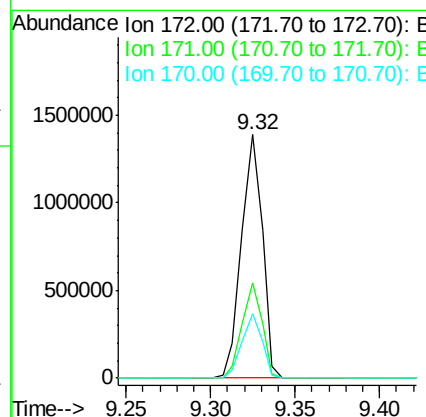
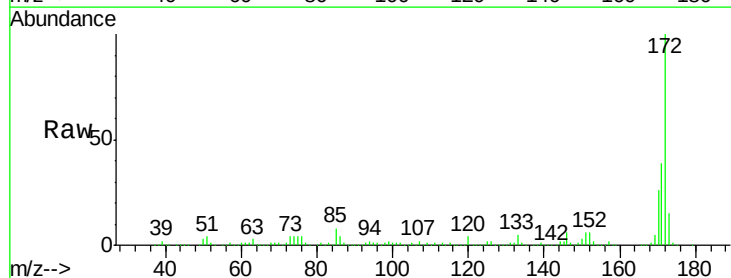
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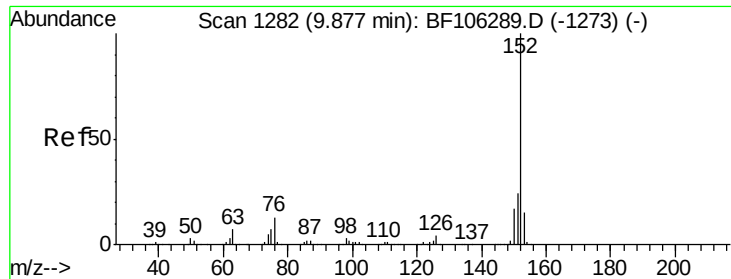
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#44
 2-Fluorobiphenyl
 Concen: 47.633 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106303.D
 Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1190802		
171	39.2	29.7	44.5	
170	26.5	19.6	29.4	





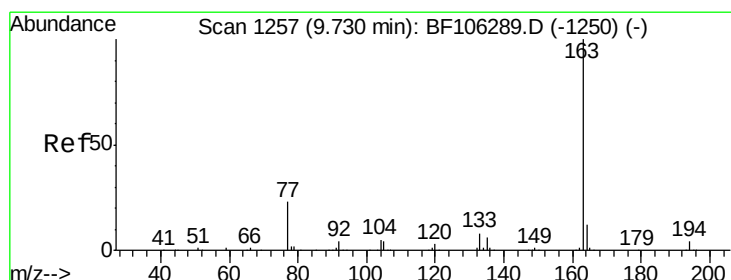
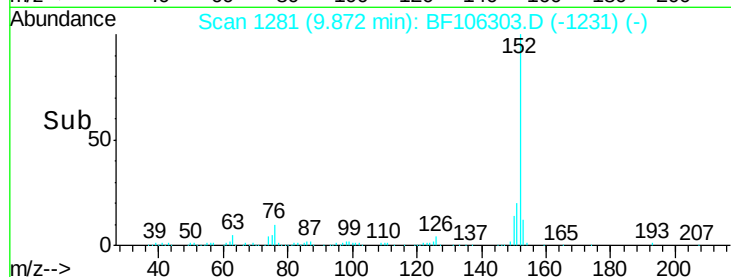
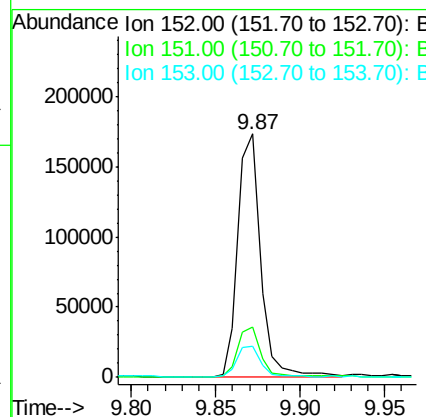
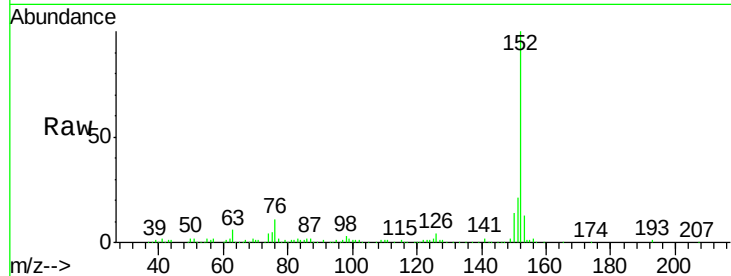
#48
Acenaphthylene
Concen: 4.597 ng
RT: 9.87 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ratio	Resp	Lower	Upper
152	100	164736		
151	20.6		16.3	24.5
153	12.9		10.7	16.1

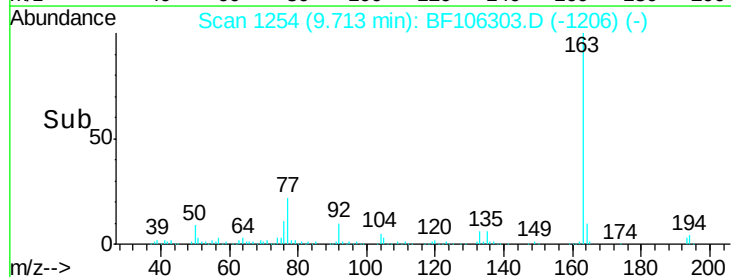
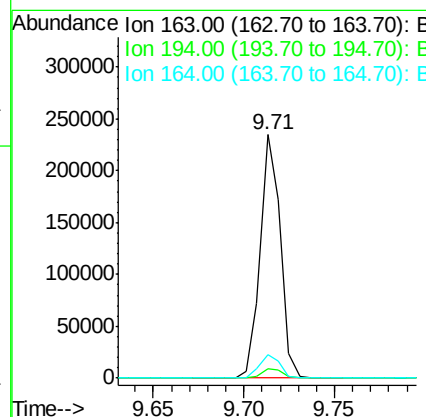
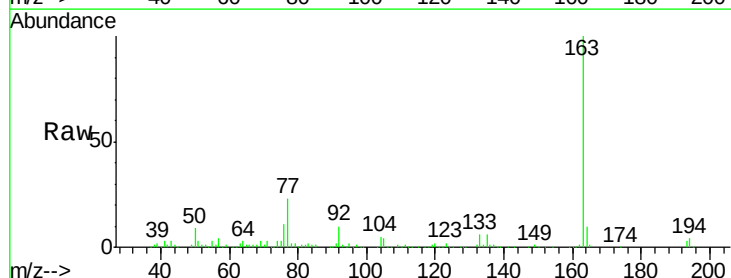
Manual Integrations
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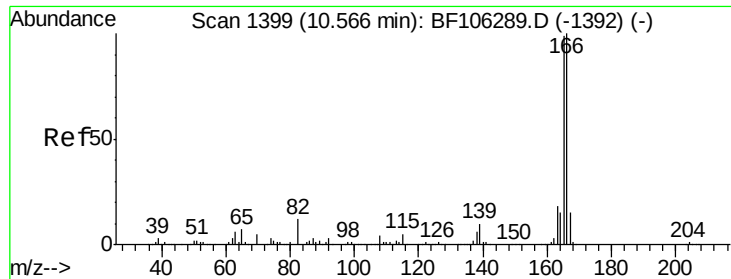
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#49
Dimethylphthalate
Concen: 6.718 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	181302		
194	4.0		2.7	4.1
164	9.9		8.2	12.2





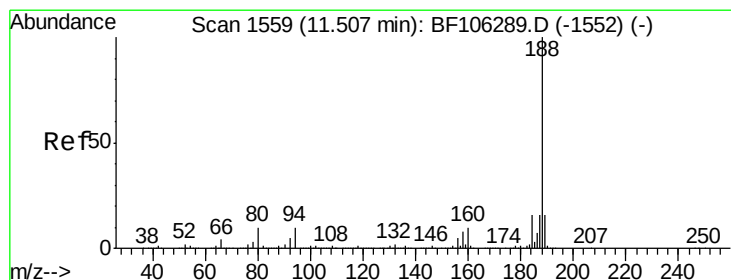
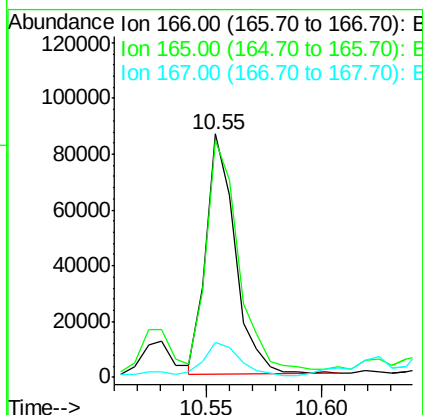
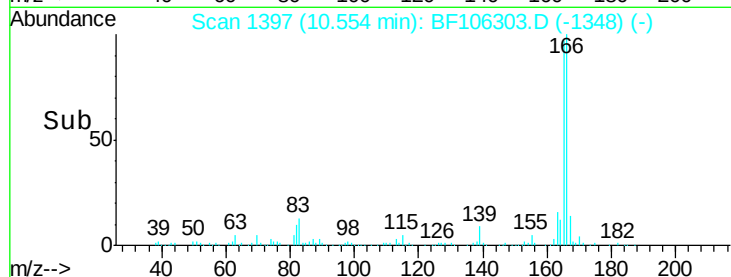
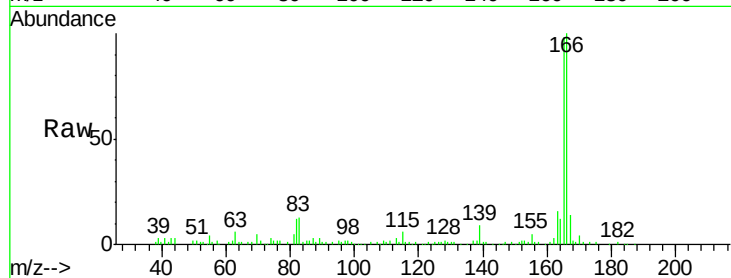
#57
Fluorene
Concen: 3.063 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		75639		
165	97.7	79.8	119.8		
167	14.3	10.6	16.0		

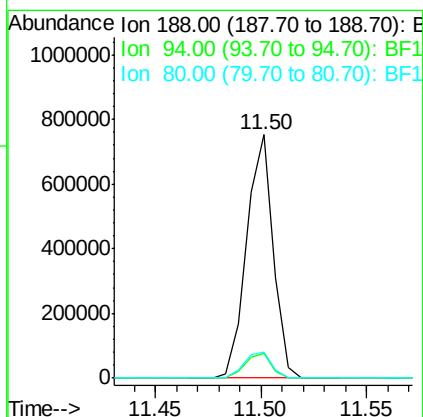
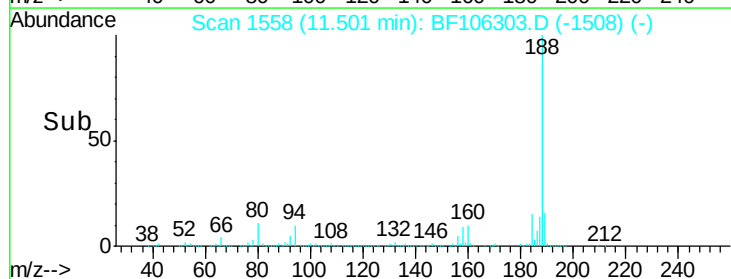
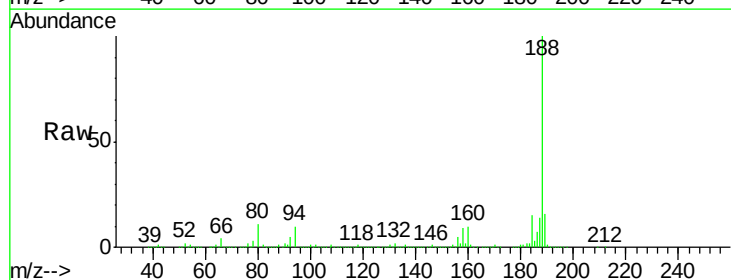
Manual Integrations
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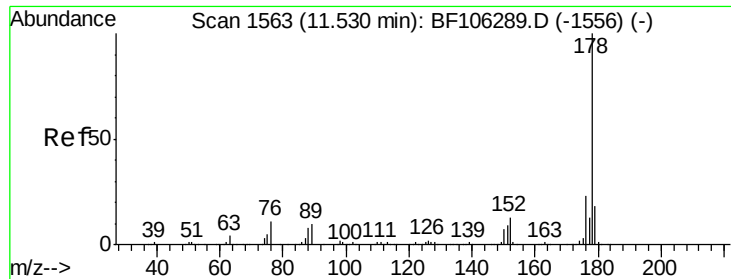
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		655086		
94	10.0	8.5	12.7		
80	10.7	9.2	13.8		





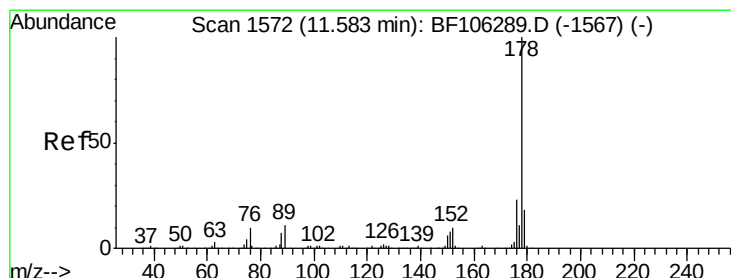
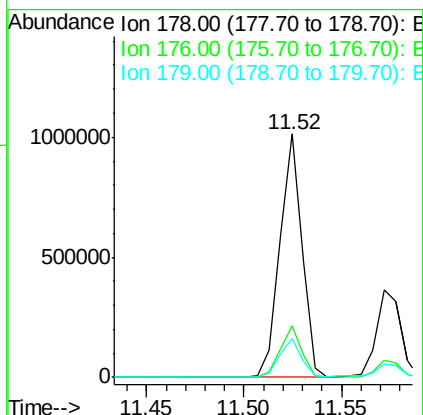
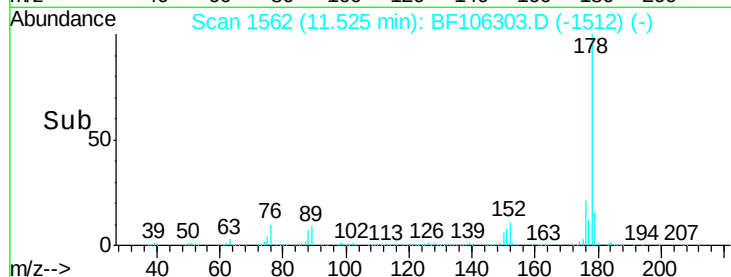
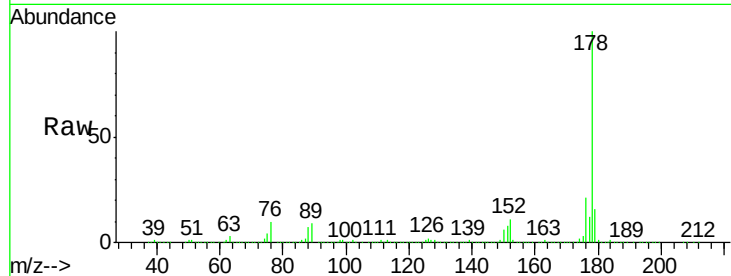
#70
Phenanthrene
Concen: 24.778 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.8	23.8
179	16.1	13.0	19.6

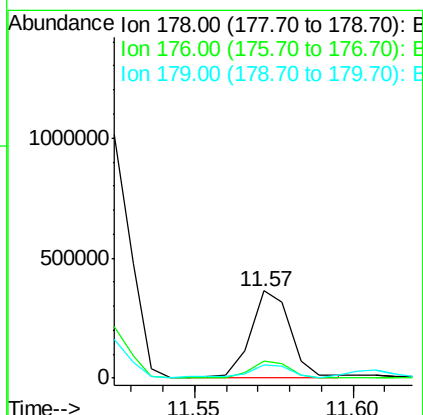
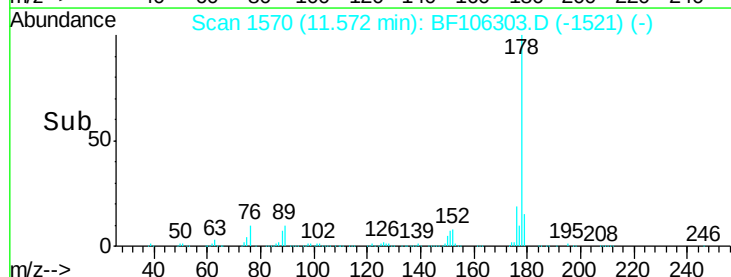
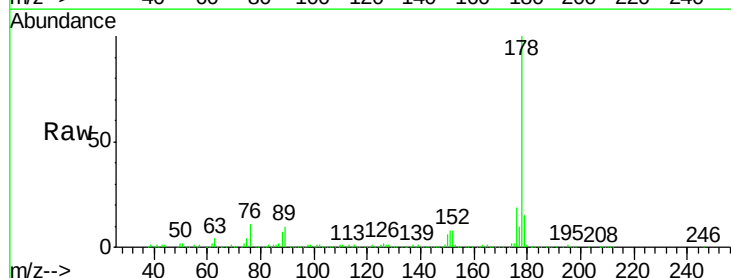
Manual Integrations
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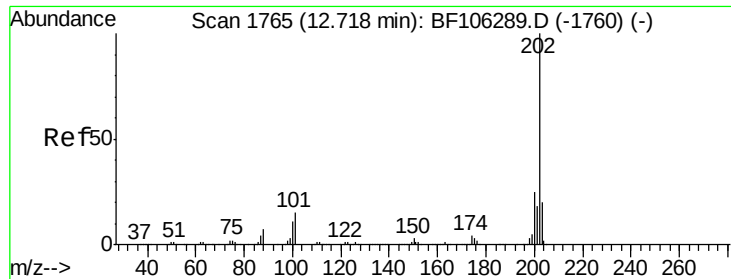
Sohil
6/12/2018 12:58:22 PM



#71
Anthracene
Concen: 9.585 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 39.872 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106303.D

Acq: 11 Jun 2018 19:08

Instrument :

BNA_F

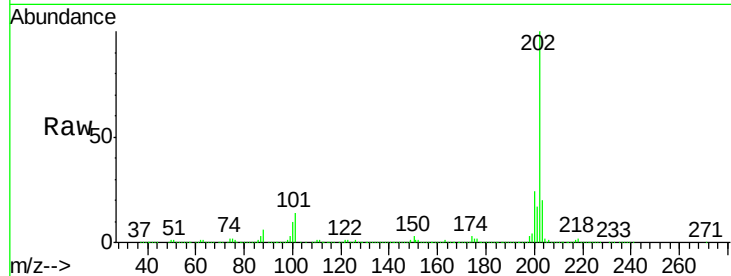
ClientSampleId :

OR-02-060718

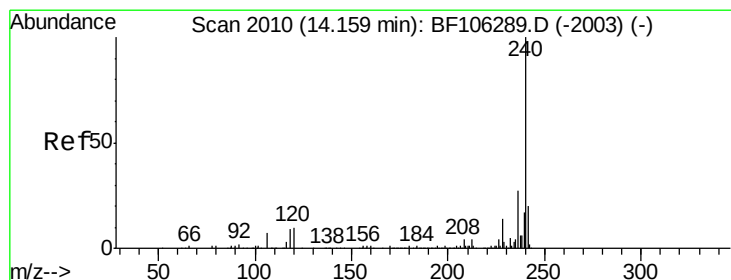
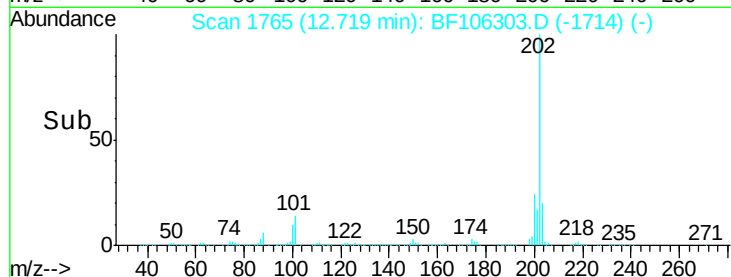
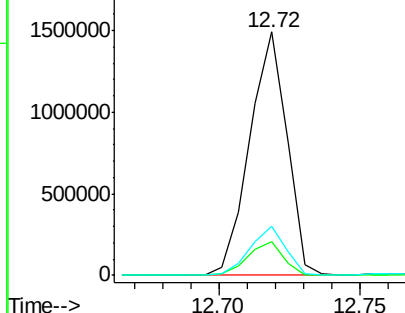
Tot Ion:	202	Resp:	1364171
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	20.1	0.0	38.1

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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

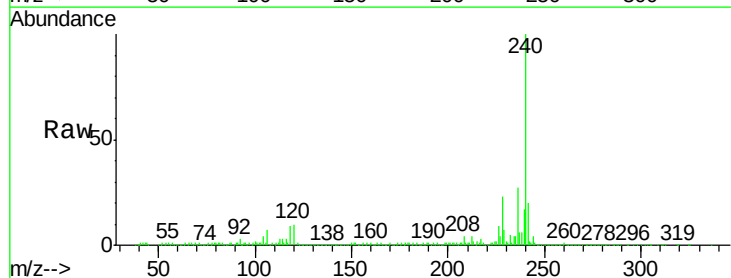
RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

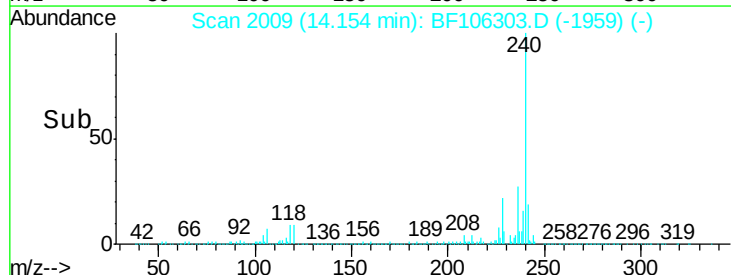
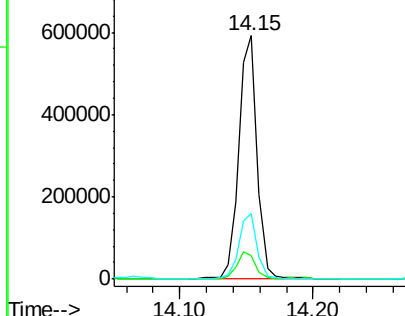
Lab File: BF106303.D

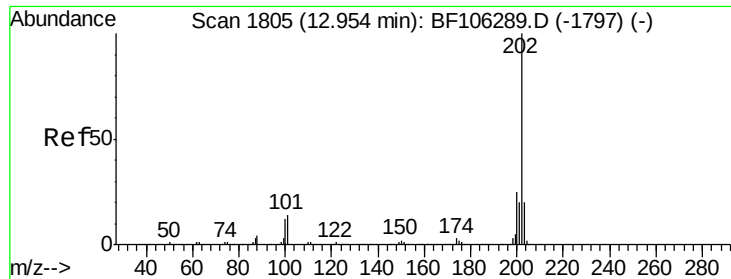
Acq: 11 Jun 2018 19:08

Tgt Ion:	240	Resp:	561988
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	26.9	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 43.922 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF106303.D

Acq: 11 Jun 2018 19:08

Instrument :

BNA_F

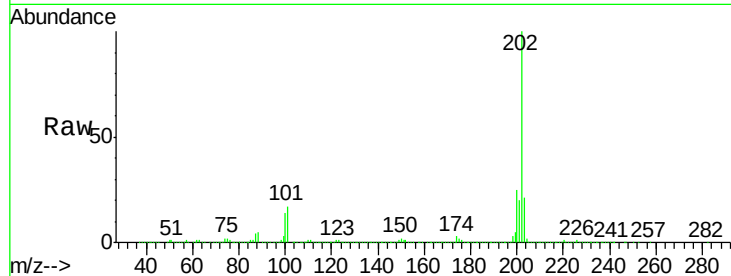
ClientSampleId :

OR-02-060718

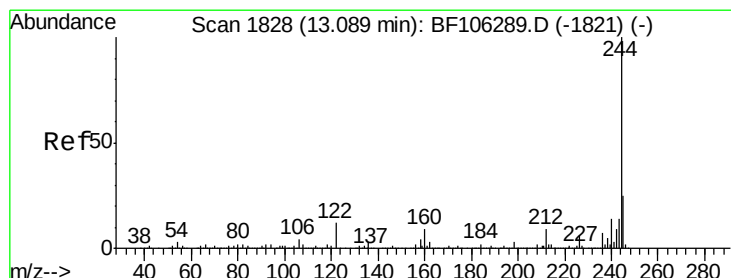
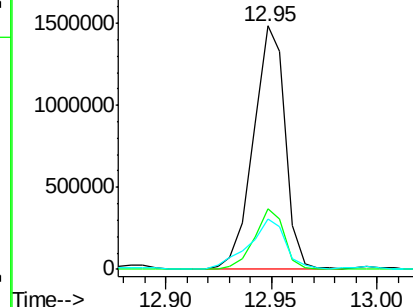
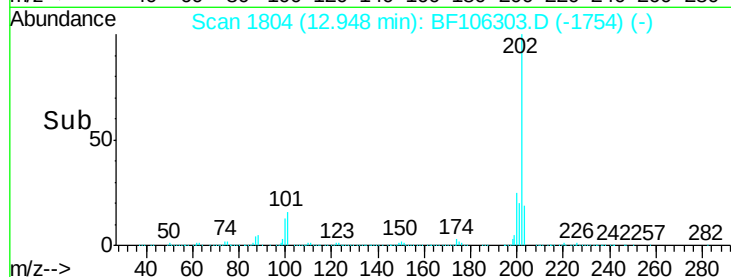
Tot Ion:	202	Resp:	1545357
Ion	Ratio	Lower	Upper
202	100		
200	24.8	17.4	26.2
203	20.7	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 50.016 ng

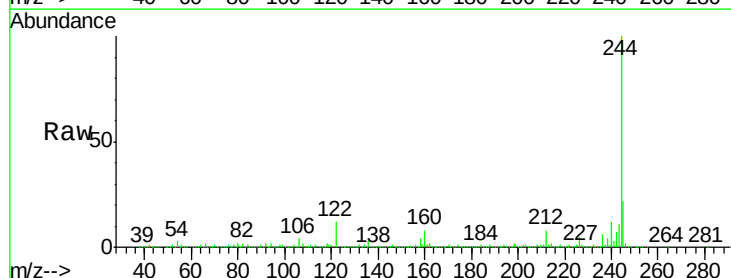
RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

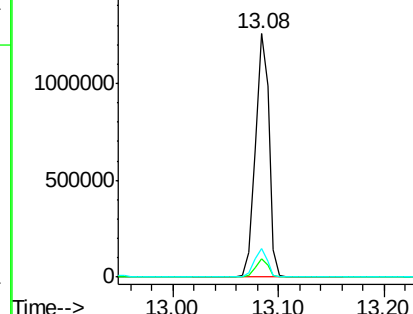
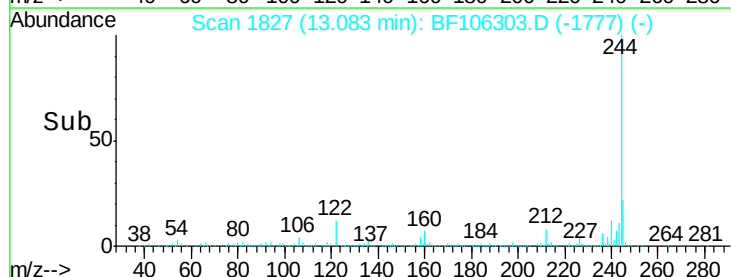
Lab File: BF106303.D

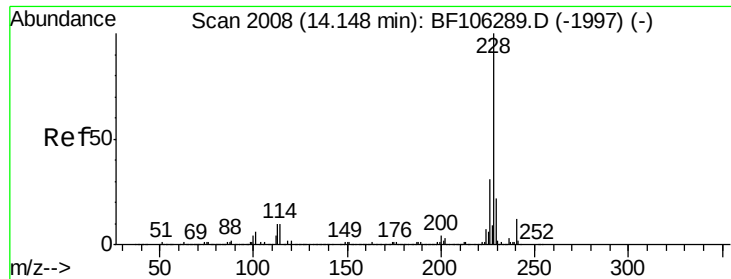
Acq: 11 Jun 2018 19:08

Tgt Ion:	244	Resp:	1131670
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	11.8	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
1500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





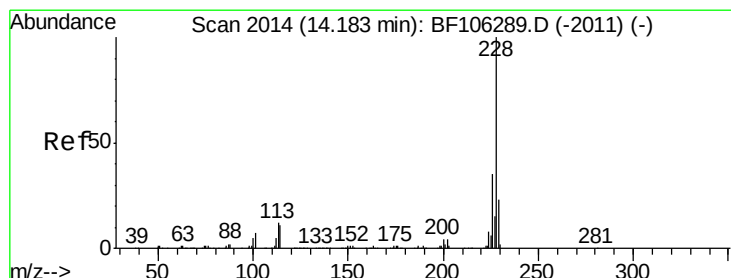
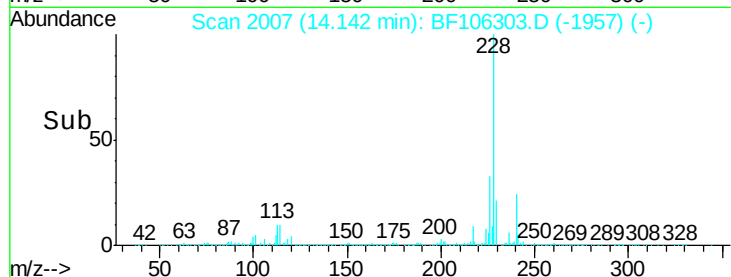
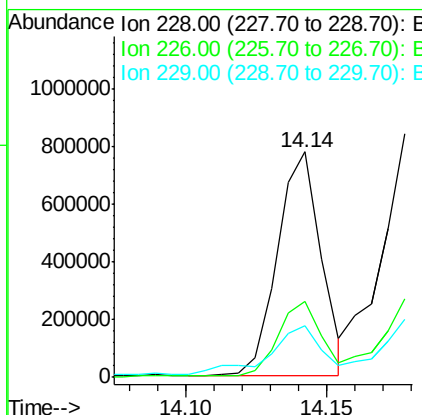
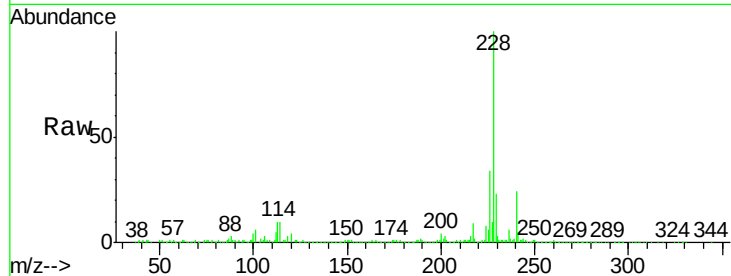
#80
Benzo(a)anthracene
Concen: 24.912 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.6	33.8
229	22.6	15.8	23.6

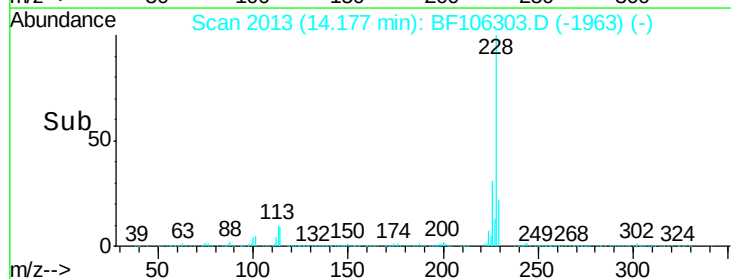
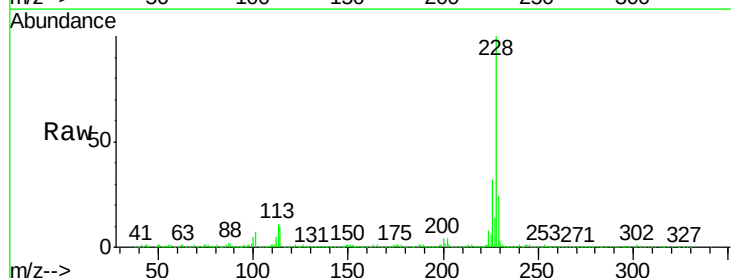
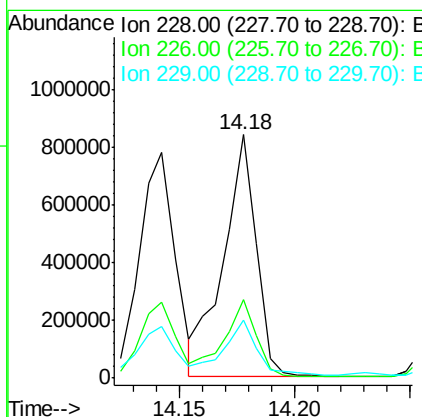
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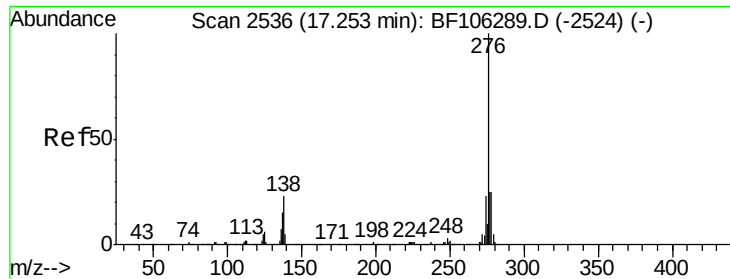
Sohil
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#82
Chrysene
Concen: 27.242 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.0	37.6
229	24.0	16.2	24.4





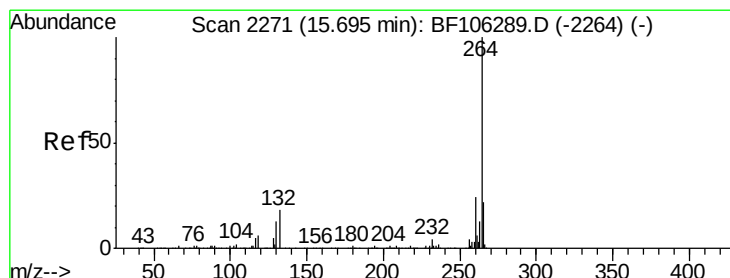
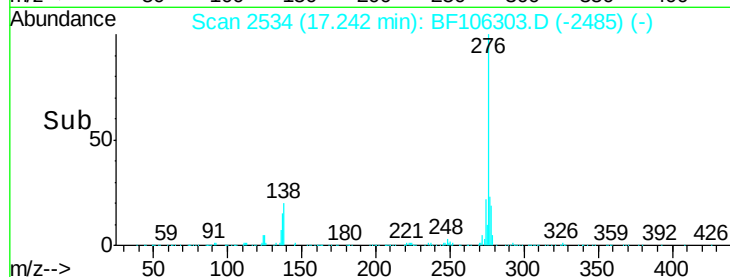
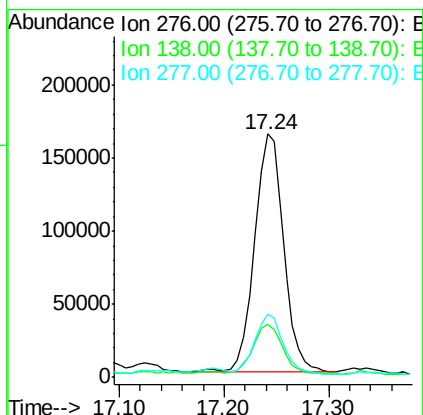
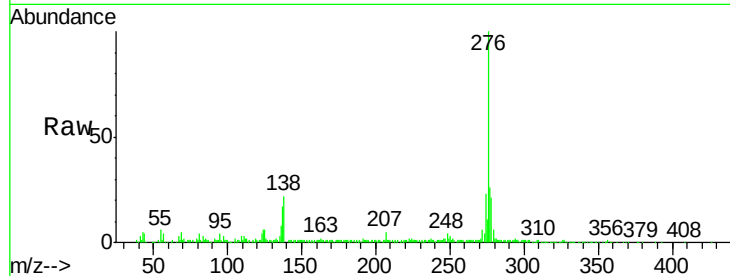
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.797 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.1	25.0	37.6#
277	5.3	20.1	30.1#

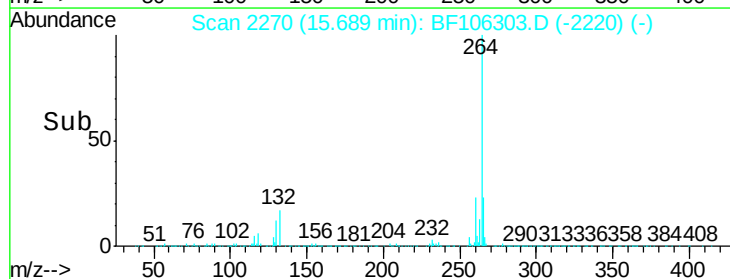
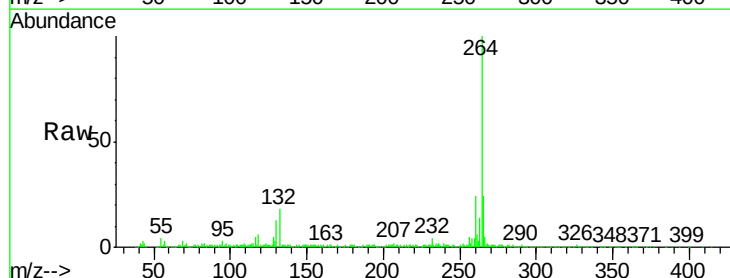
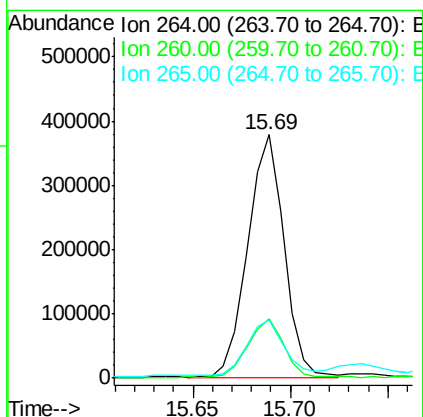
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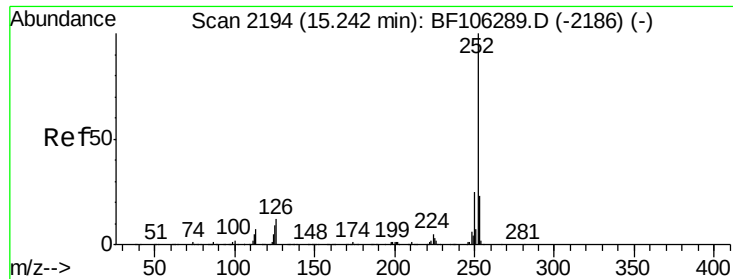
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 30.429 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BF106303.D

Acq: 11 Jun 2018 19:08

Instrument :

BNA_F

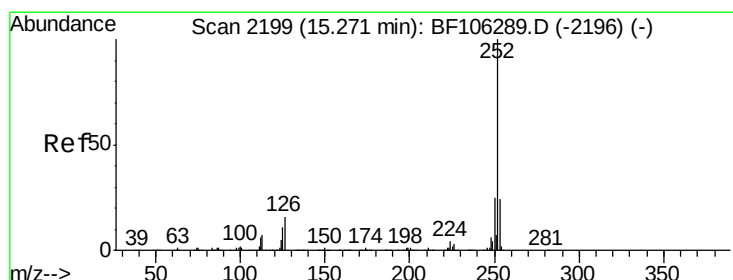
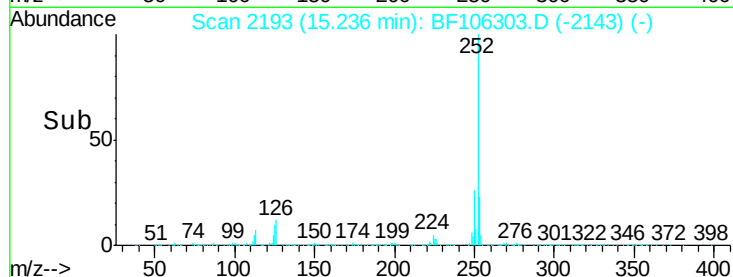
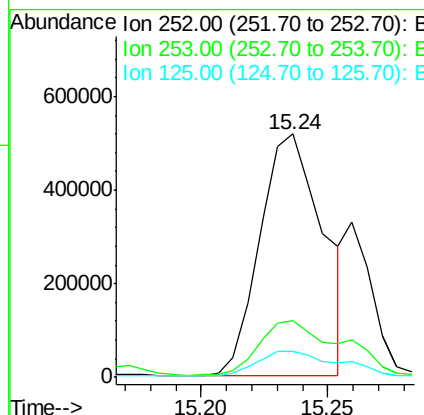
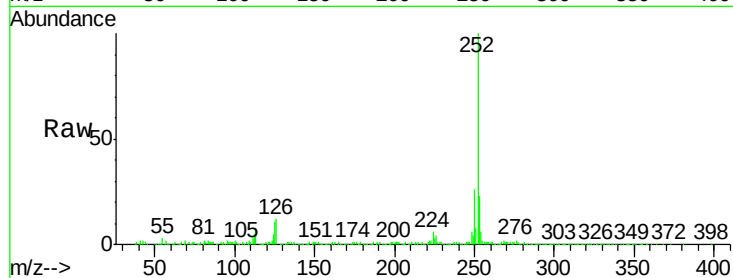
ClientSampleId :

OR-02-060718

Tot Ion:	252	Resp:	893120
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	10.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 8.153 ng m

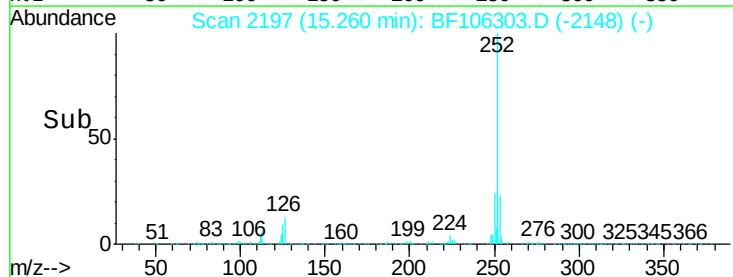
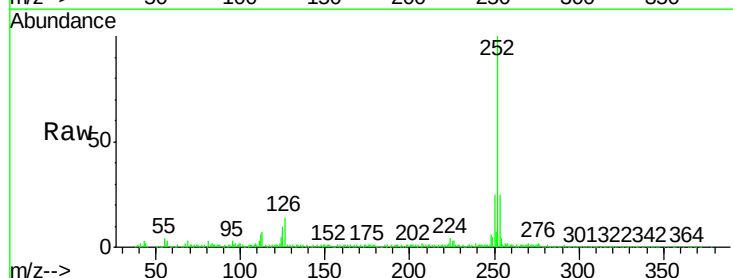
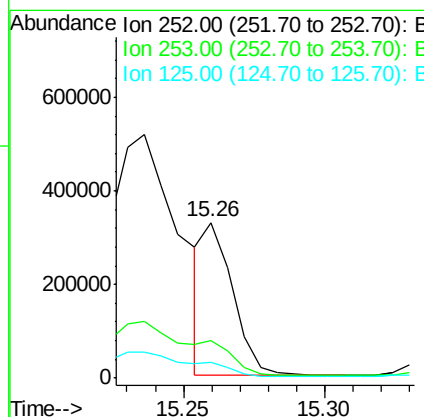
RT: 15.26 min Scan# 2197

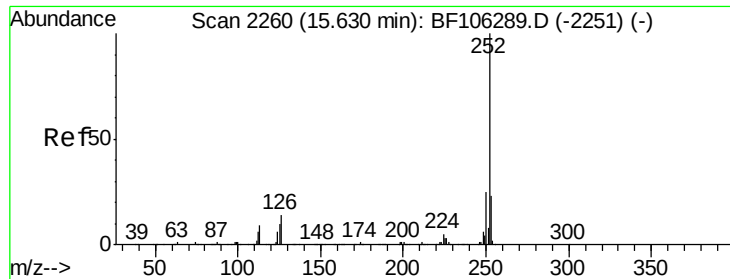
Delta R.T. -0.01 min

Lab File: BF106303.D

Acq: 11 Jun 2018 19:08

Tgt Ion:	252	Resp:	237003
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	9.8	10.2	15.2#





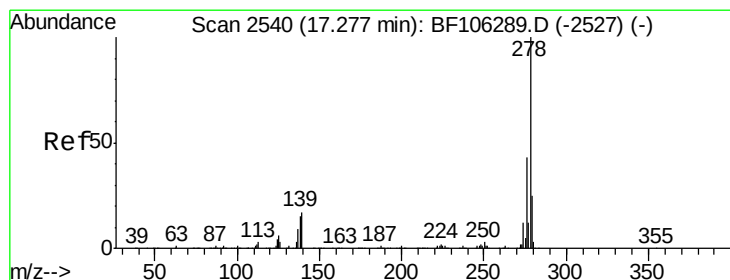
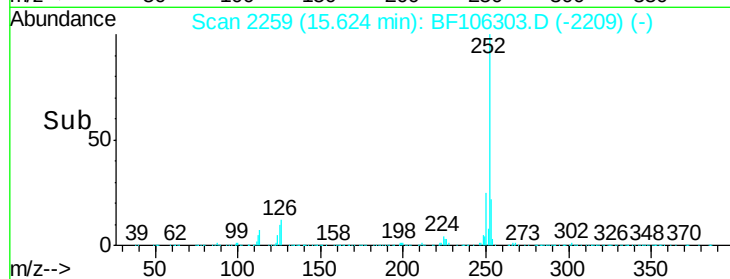
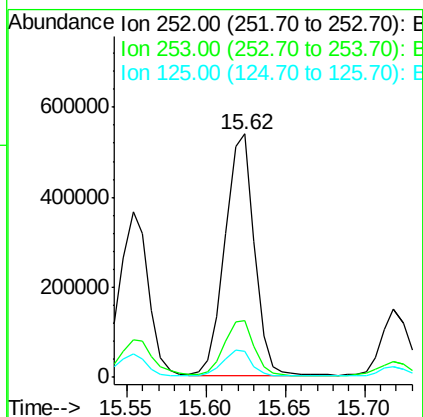
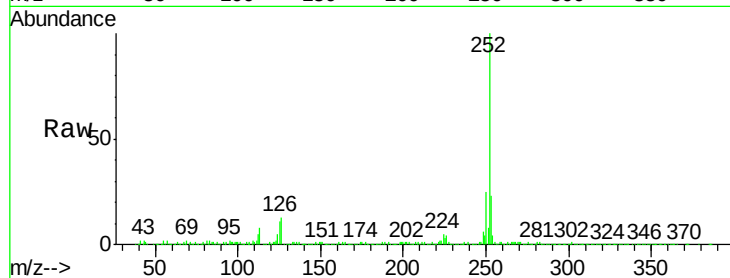
#89
Benzo(a)pyrene
Concen: 26.294 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Instrument :
BNA_F
ClientSampleId :
OR-02-060718

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.5	9.8	14.6

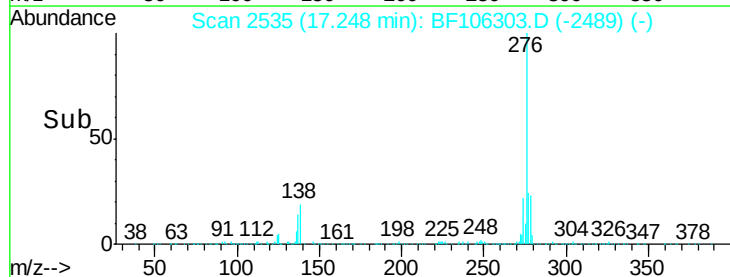
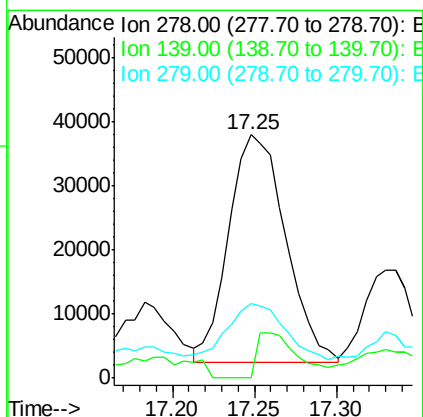
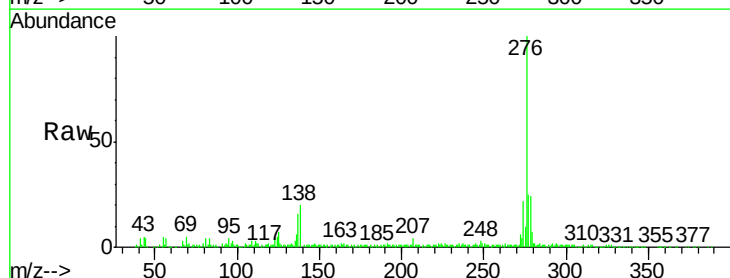
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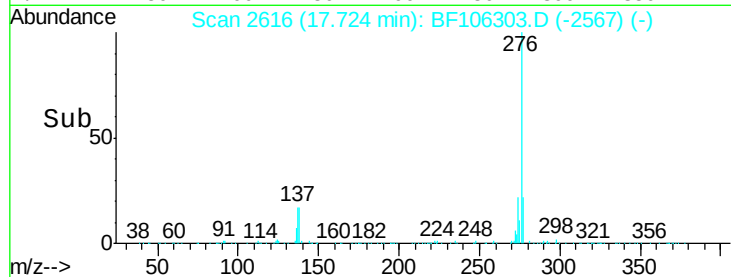
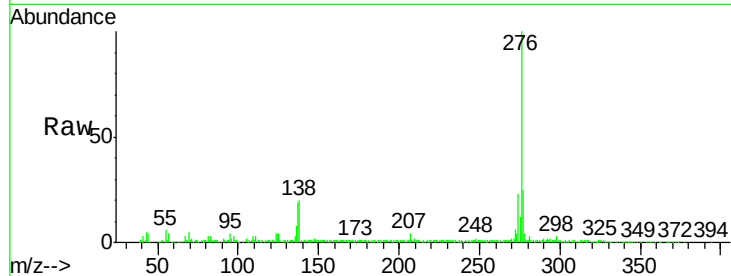
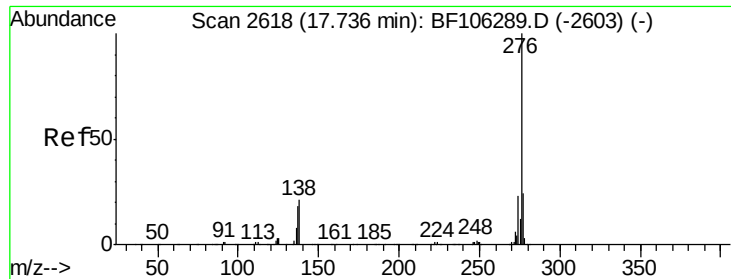
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.889 ng m
RT: 17.25 min Scan# 2535
Delta R.T. -0.03 min
Lab File: BF106303.D
Acq: 11 Jun 2018 19:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.8	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 15.938 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BF106303.D
 Acq: 11 Jun 2018 19:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-060718

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	20.4	21.8	32.8

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