

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106346.D
 Acq On : 12 Jun 2018 16:00
 Operator : JU/SJ
 Sample : J3245-07 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-061118-D

Manual Integrations
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Quant Time: Jun 13 02:06:11 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	170419	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	589571	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	248275	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	484190	20.00	ng	0.00
75) Chrysene-d12	14.16	240	518601	20.00	ng	0.00
86) Perylene-d12	15.71	264	384040	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	542381	53.87	ng	0.00
7) Phenol-d6	6.59	99	652934	51.33	ng	0.00
23) Nitrobenzene-d5	7.53	82	405527	40.46	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	145505	60.91	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	698924	40.87	ng	0.00
78) Terphenyl-d14	13.09	244	846487	40.54	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	117103	6.602	ng	Qvalue # 99
57) Fluorene	10.56	166	46033	2.836	ng	# 97
70) Phenanthrene	11.53	178	412056	17.377	ng	98
71) Anthracene	11.58	178	118356	4.982	ng	96
74) Fluoranthene	12.72	202	652198	25.791	ng	99
77) Pyrene	12.95	202	589844	18.167	ng	100
80) Benzo(a)anthracene	14.15	228	309192	10.019	ng	96
82) Chrysene	14.19	228	293015	10.399	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	87714m	3.901	ng	
87) Benzo(b)fluoranthene	15.25	252	290436m	12.511	ng	
88) Benzo(k)fluoranthene	15.28	252	72896m	3.171	ng	
89) Benzo(a)pyrene	15.65	252	184581	8.840	ng	96
91) Benzo(a,h,i)perylene	17.75	276	84864	5.016	ng	# 91

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

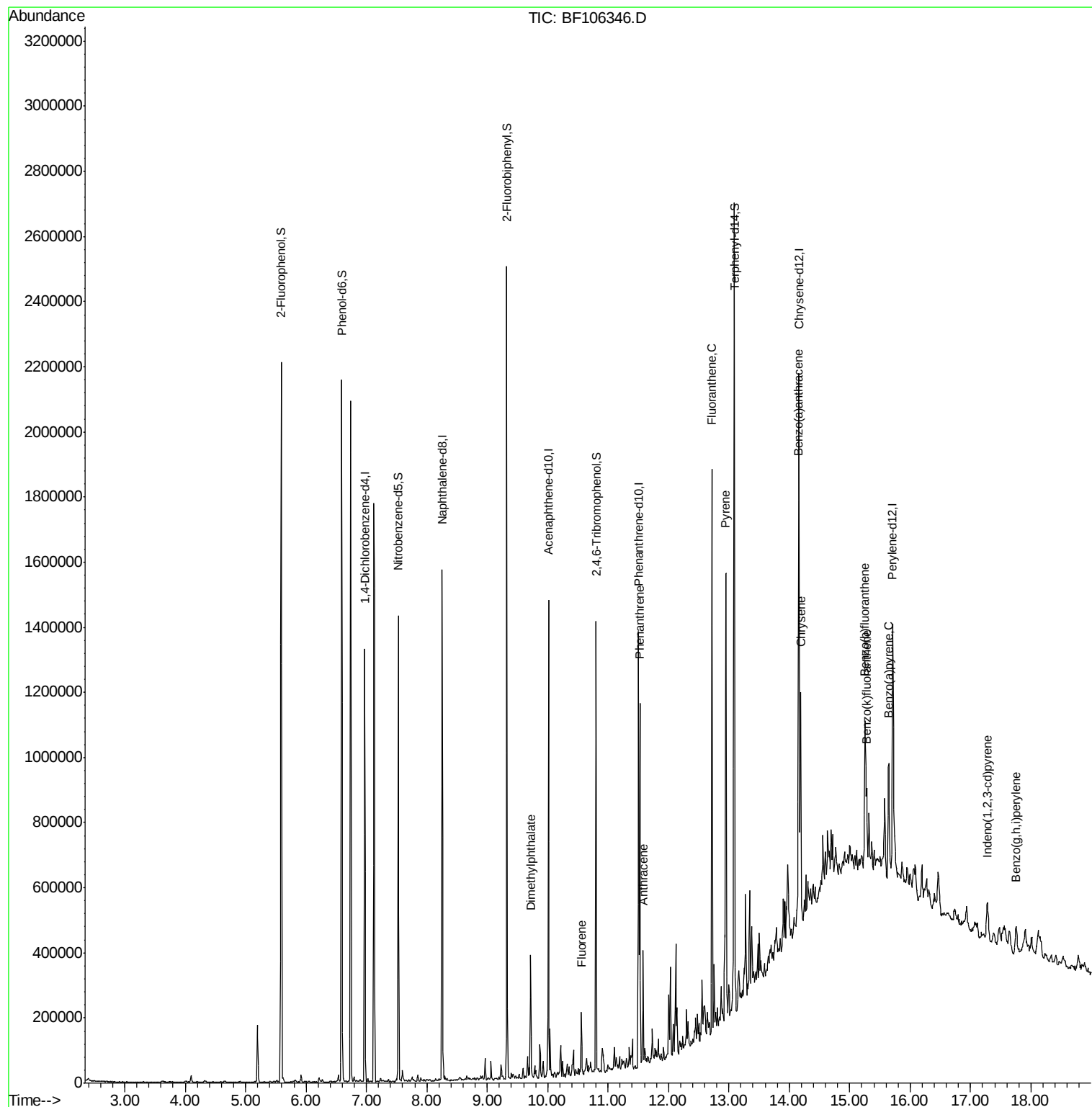
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
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ALS Vial : 11 Sample Multiplier: 1

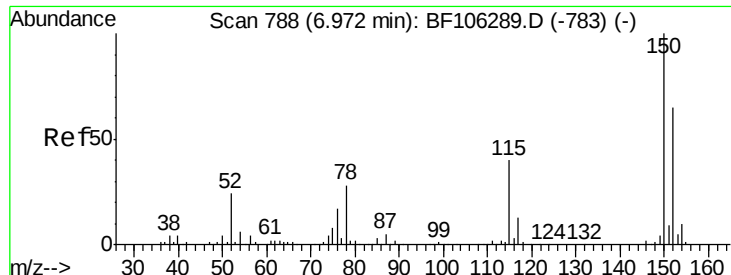
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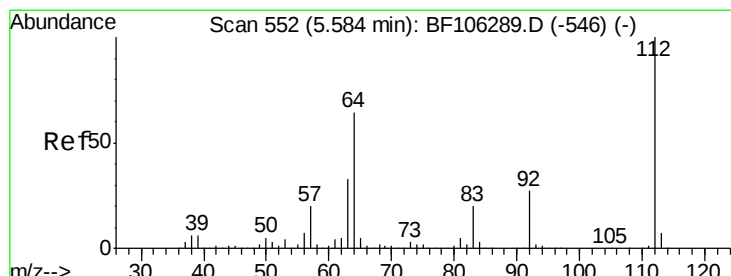
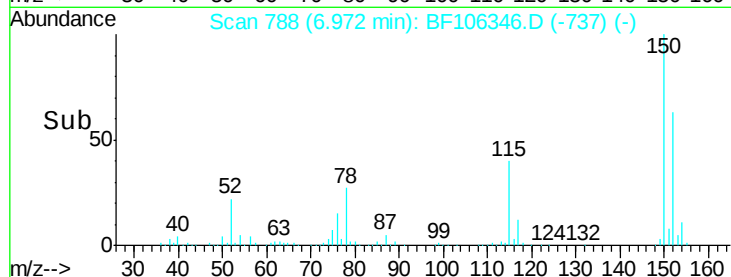
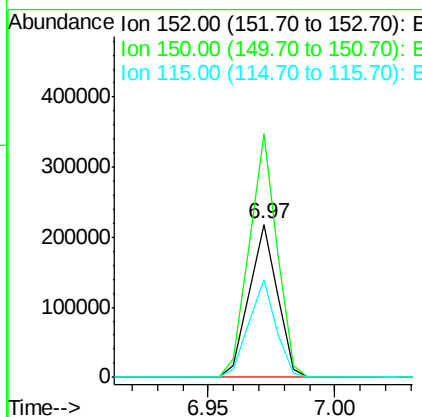
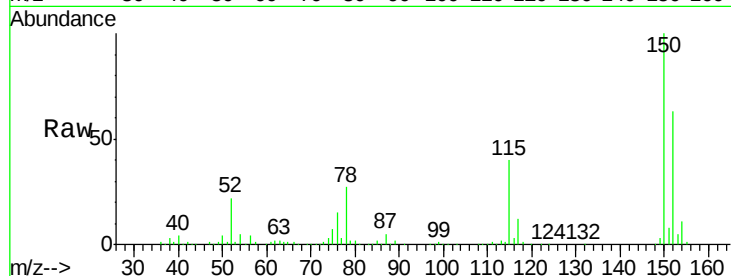
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF106346.D
 Acq: 12 Jun 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-061118-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.6	186.8
115	64.0	50.1	75.1

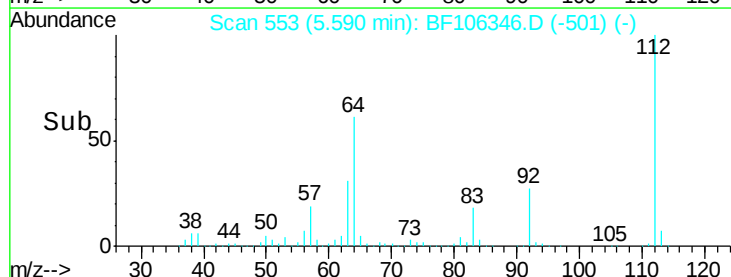
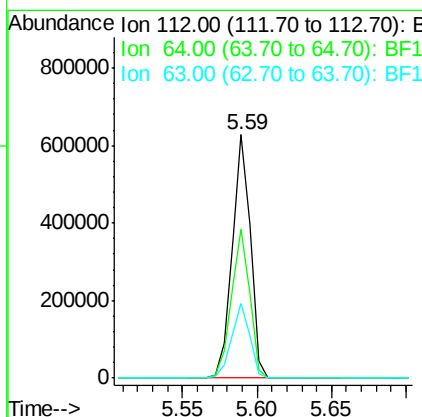
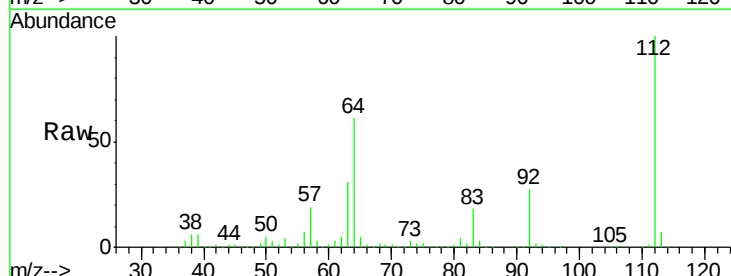
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#5
 2-Fluorophenol
 Concen: 53.866 ng
 RT: 5.59 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: BF106346.D
 Acq: 12 Jun 2018 16:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 51.326 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Instrument :

BNA_F

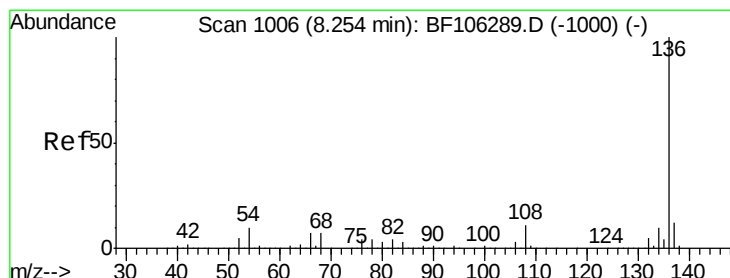
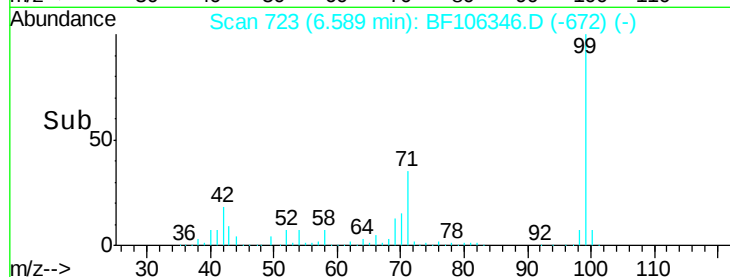
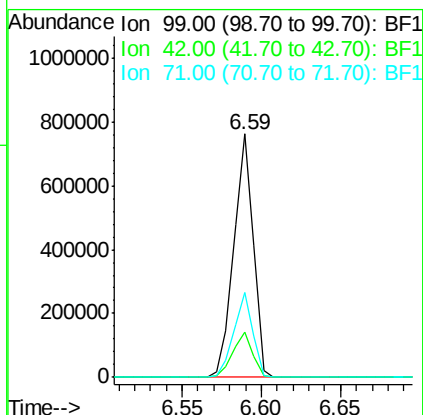
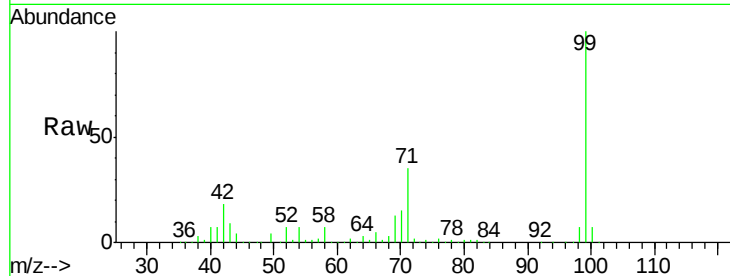
ClientSampleId :

CL-01-061118-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		652934		
42	18.5	14.5	21.7		
71	34.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

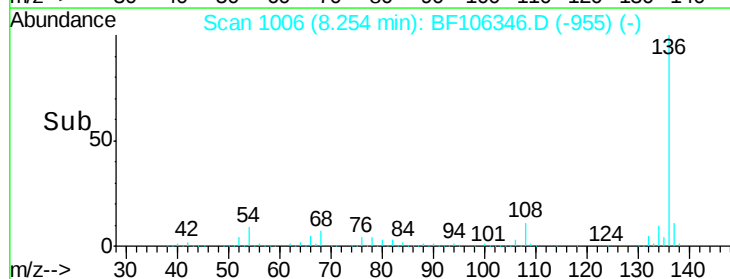
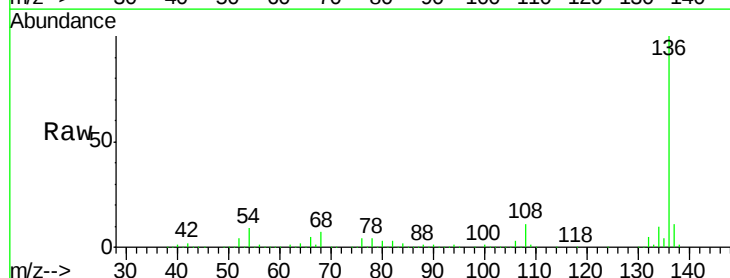
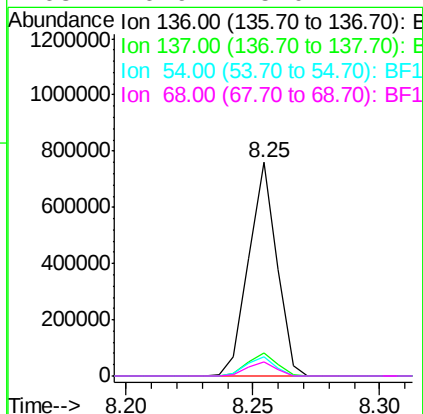
RT: 8.25 min Scan# 1006

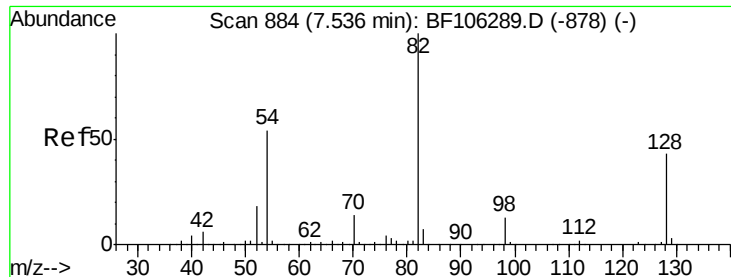
Delta R.T. 0.00 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		589571		
137	11.0	8.9	13.3		
54	8.8	6.6	9.8		
68	6.9	5.0	7.4		





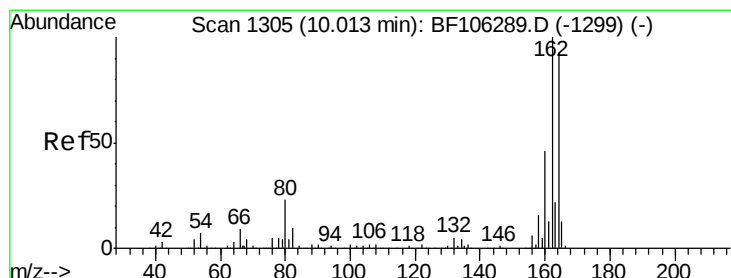
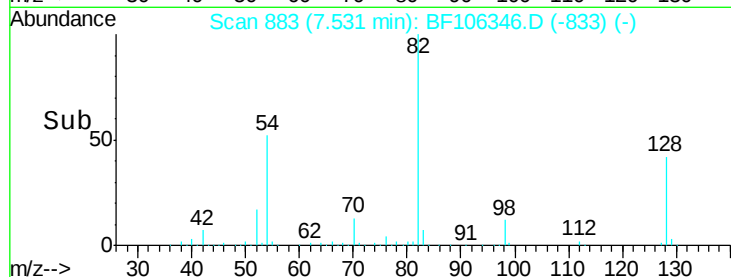
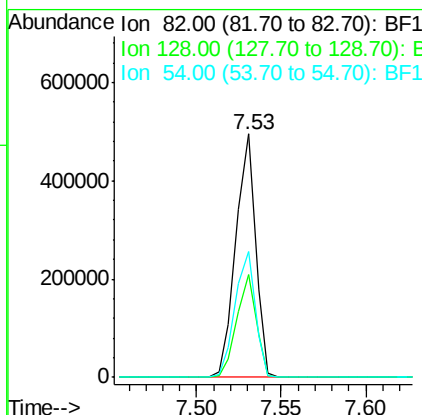
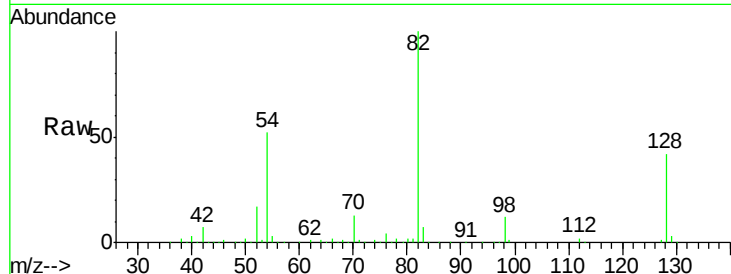
#23
Nitrobenzene-d5
Concen: 40.464 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Instrument :
BNA_F
ClientSampleId :
CL-01-061118-D

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.4	36.1	54.1	
54	51.6	41.4	62.2	

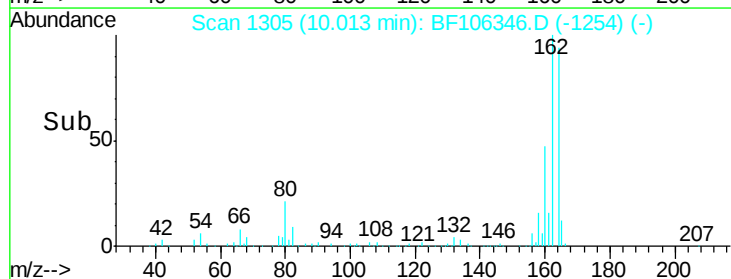
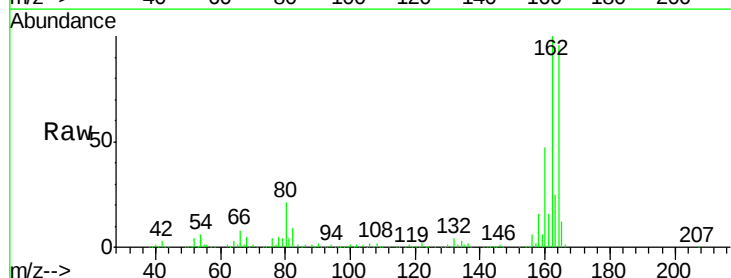
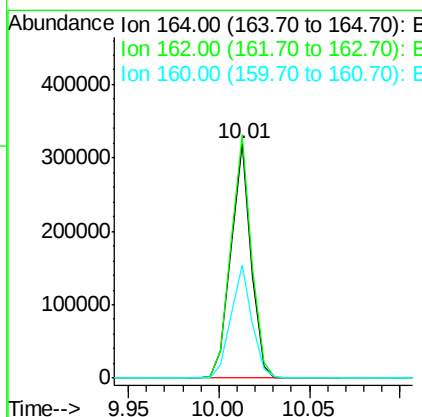
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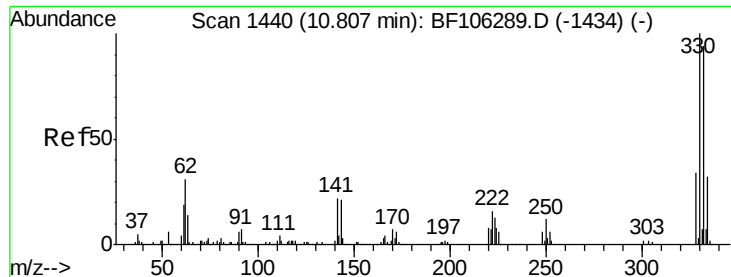
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	86.1	129.1	
160	48.5	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 60.910 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Instrument :

BNA_F

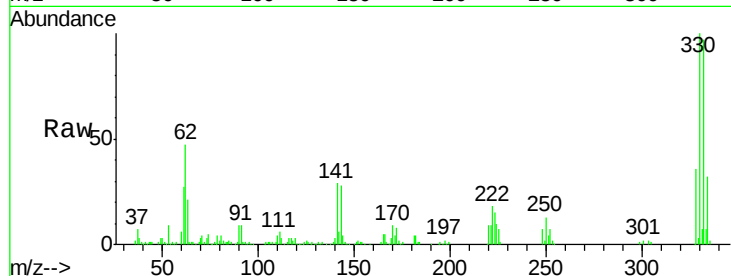
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CL-01-061118-D

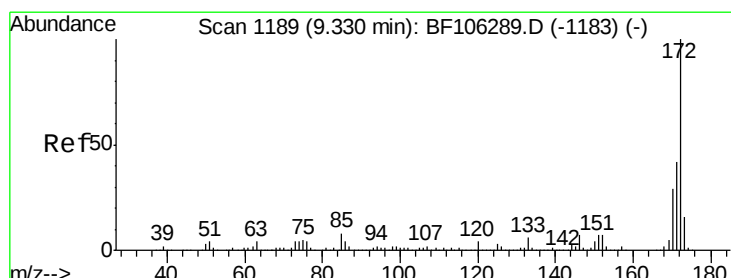
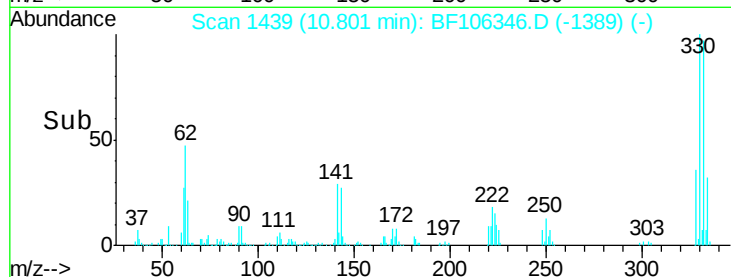
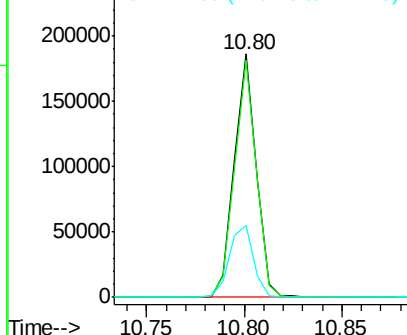
Tot Ion:	330	Resp:	145505
Ion Ratio		Lower	Upper
330	100		
332	96.9	77.0	115.6
141	31.9	29.9	44.9

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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: 40.871 ng

RT: 9.32 min Scan# 1188

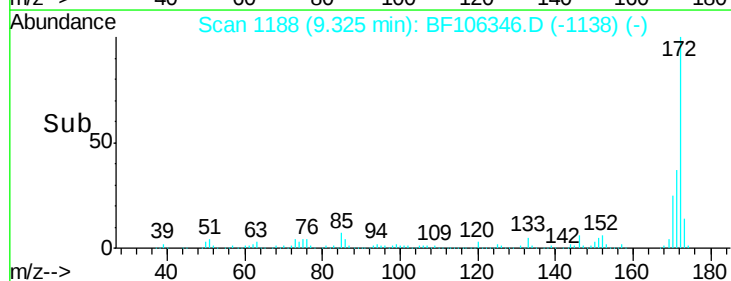
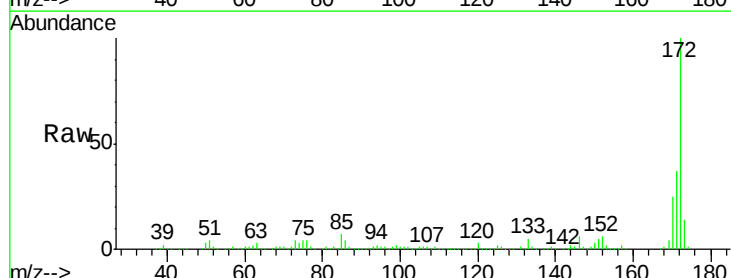
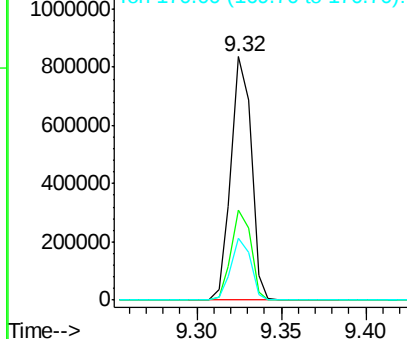
Delta R.T. -0.01 min

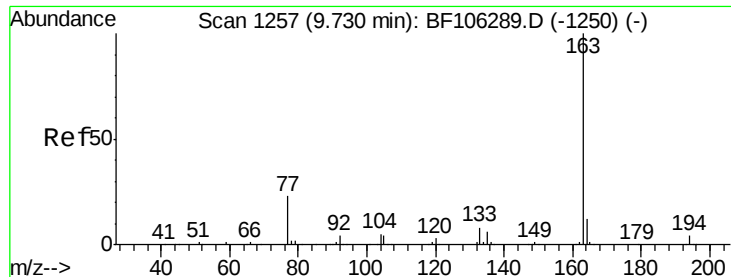
Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Tgt Ion:	172	Resp:	698924
Ion Ratio		Lower	Upper
172	100		
171	36.8	29.7	44.5
170	25.3	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





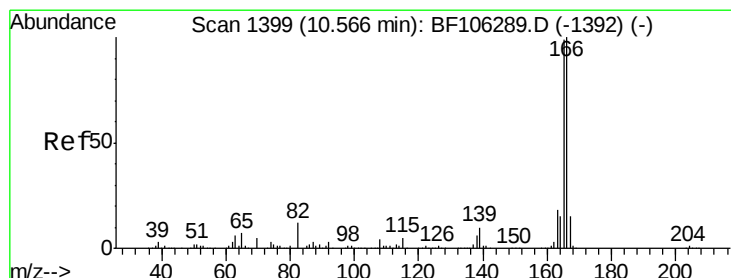
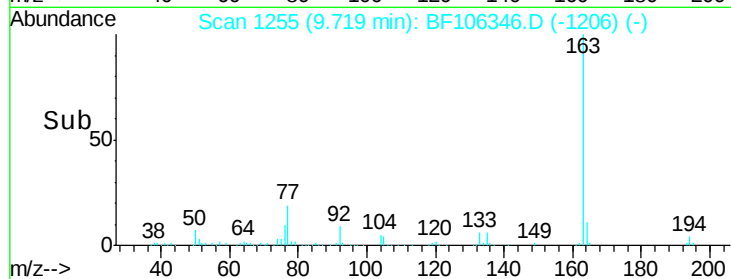
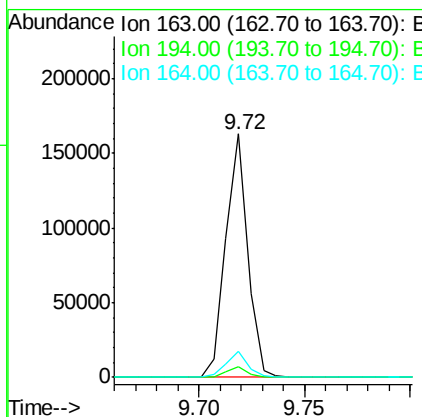
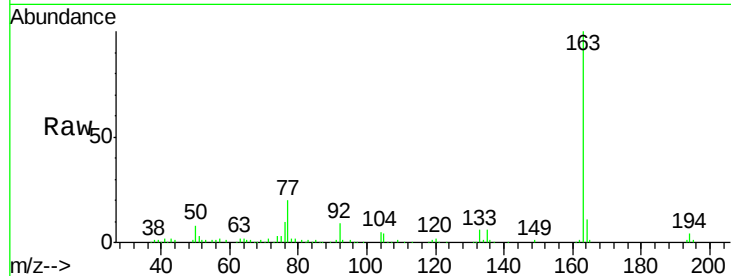
#49
Dimethylphthalate
Concen: 6.602 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Instrument :
BNA_F
ClientSampleId :
CL-01-061118-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	4.2	2.7	4.1#		
164	10.6	8.2	12.2		

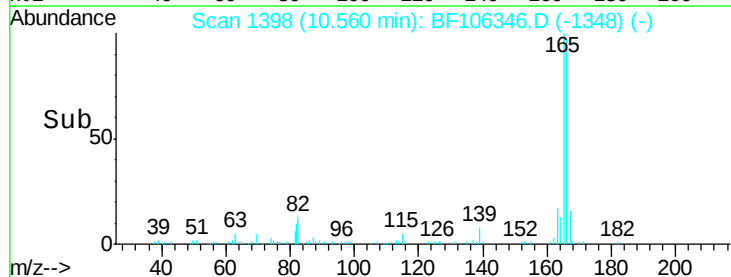
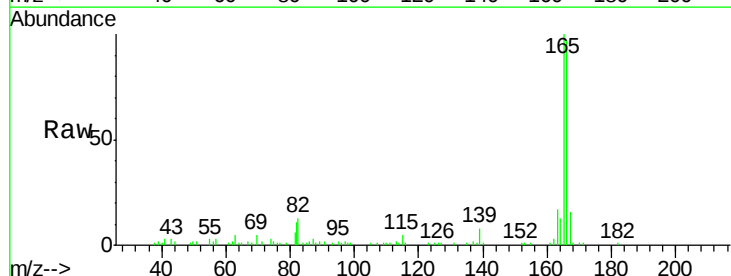
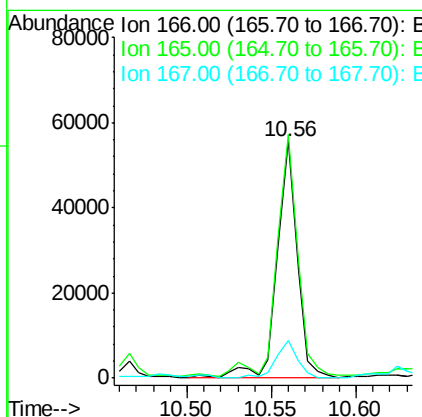
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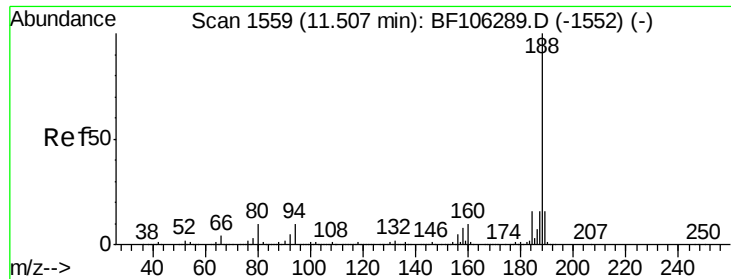
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#57
Fluorene
Concen: 2.836 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	102.7	79.8	119.8		
167	16.1	10.6	16.0#		





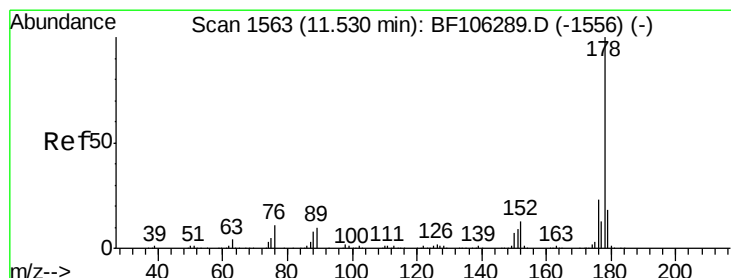
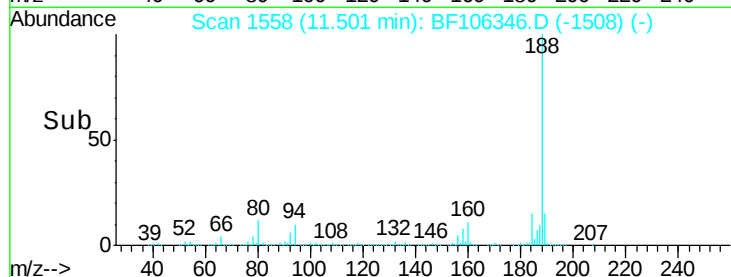
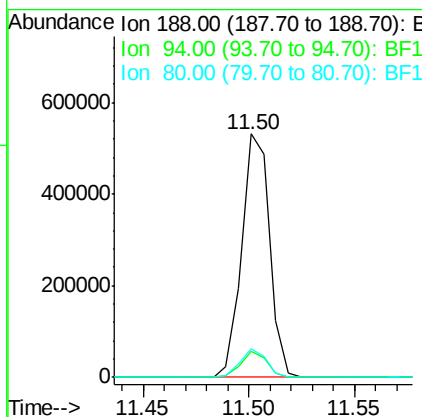
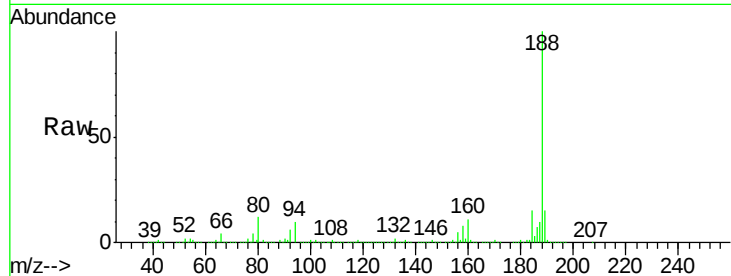
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Instrument :
BNA_F
ClientSampleId :
CL-01-061118-D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	484190		
94	10.4		8.5	12.7
80	11.9		9.2	13.8

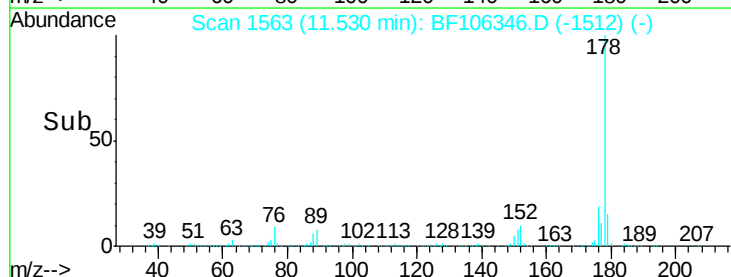
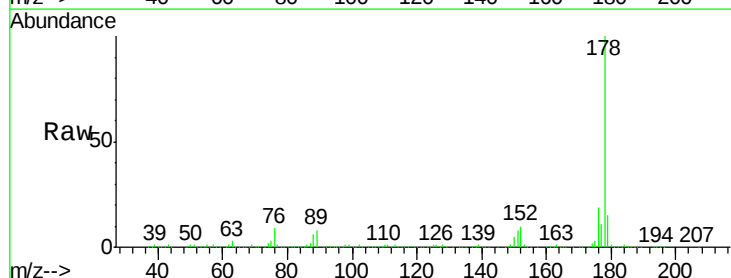
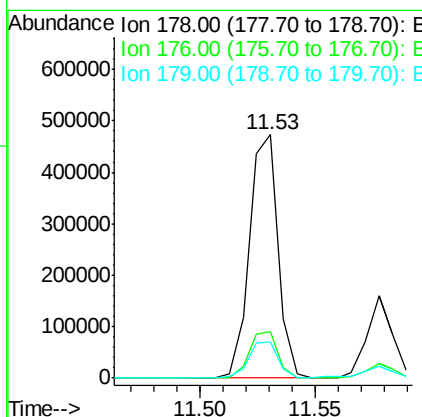
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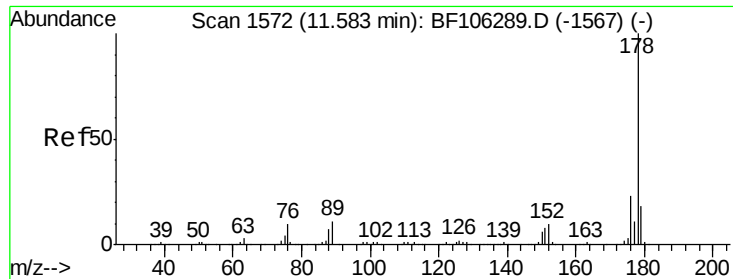
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#70
Phenanthrene
Concen: 17.377 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	412056		
176	19.3		15.8	23.8
179	14.9		13.0	19.6





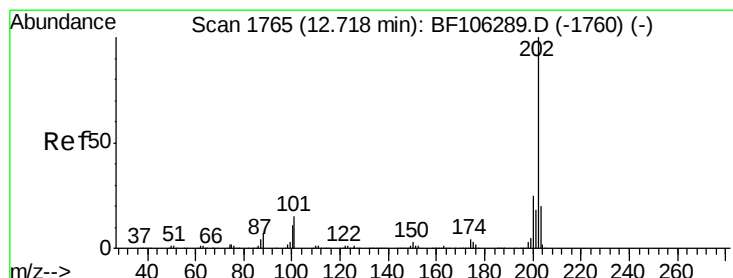
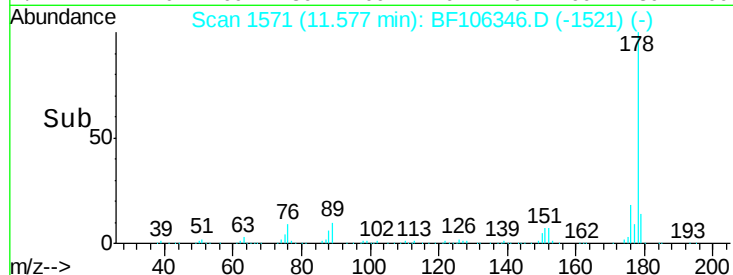
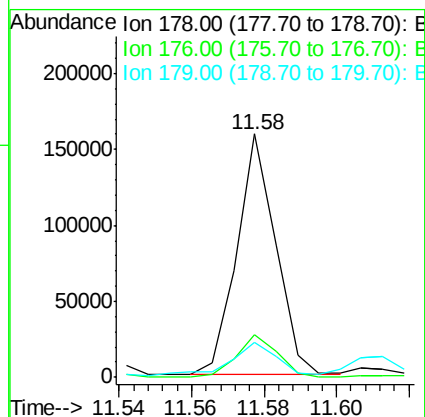
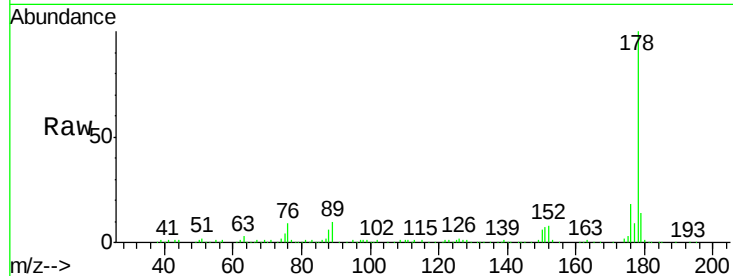
#71
 Anthracene
 Concen: 4.982 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF106346.D
 Acq: 12 Jun 2018 16:00

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-061118-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	17.7	15.4	23.2		
179	14.3	12.6	19.0		

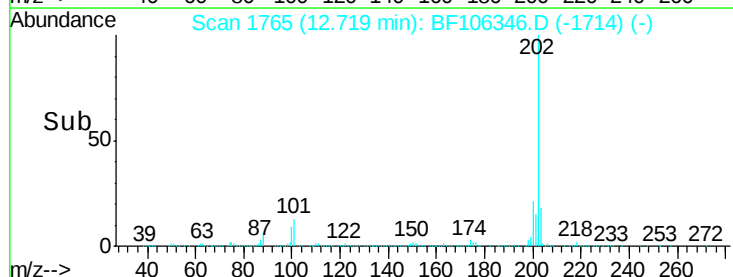
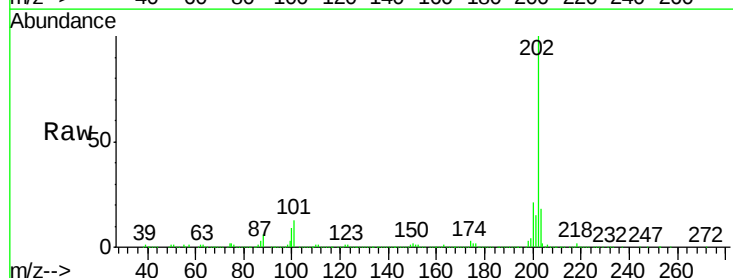
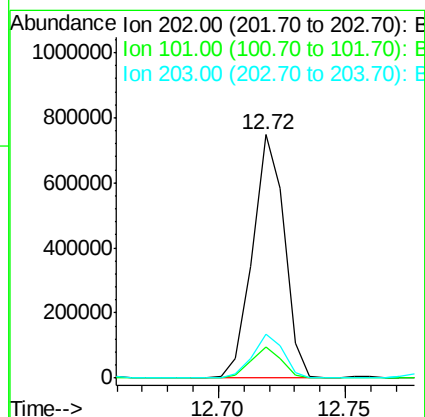
Manual Integrations
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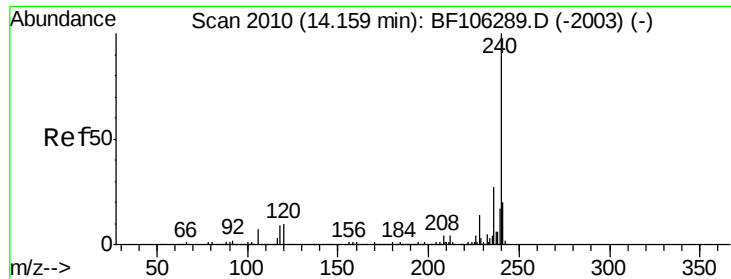
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#74
 Fluoranthene
 Concen: 25.791 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF106346.D
 Acq: 12 Jun 2018 16:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.9	0.0	34.1		
203	18.1	0.0	38.1		





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. 0.00 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Instrument :

BNA_F

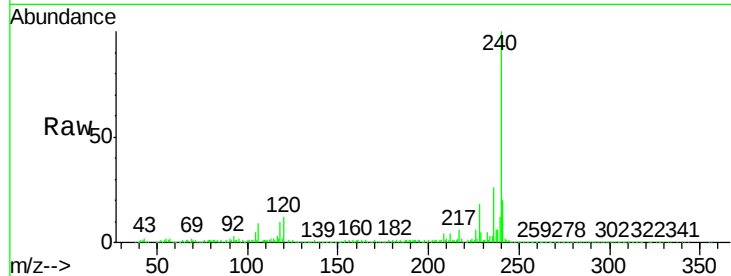
ClientSampleId :

CL-01-061118-D

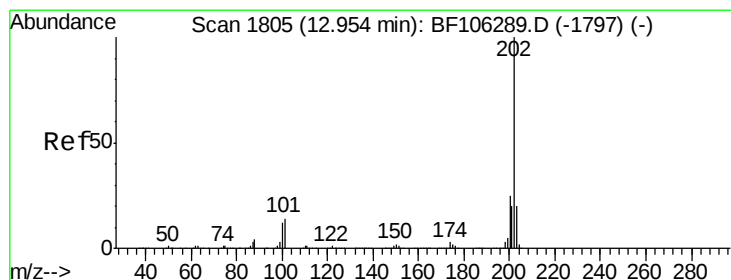
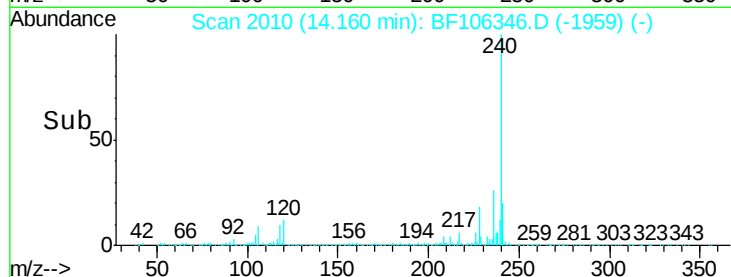
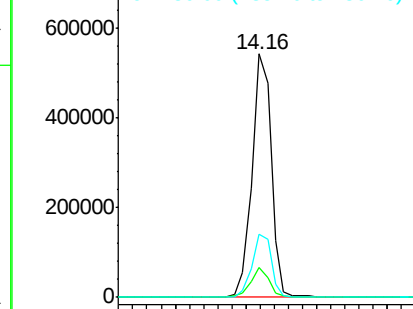
Tot Ion:	240	Resp:	518601
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	26.2	20.7	31.1

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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

Pyrene

Concen: 18.167 ng

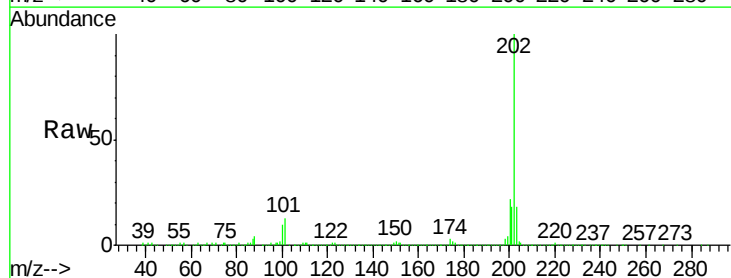
RT: 12.95 min Scan# 1805

Delta R.T. 0.00 min

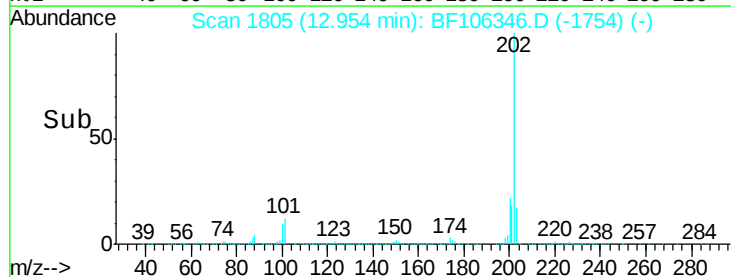
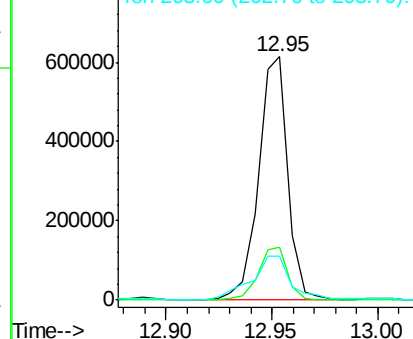
Lab File: BF106346.D

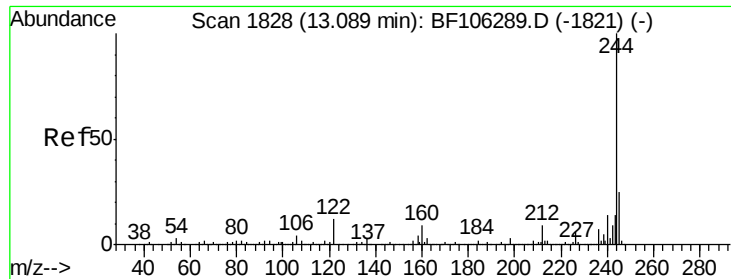
Acq: 12 Jun 2018 16:00

Tgt Ion:	202	Resp:	589844
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.2	14.3	21.5



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





#78

Terphenyl-d14

Concen: 40.542 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Instrument :

BNA_F

ClientSampleId :

CL-01-061118-D

Tot Ion:244 Resp: 846487

Ion Ratio Lower Upper

244 100

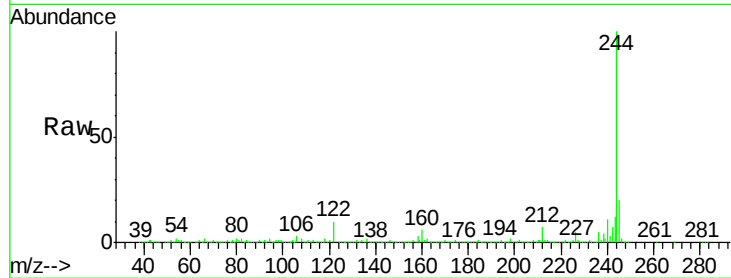
212 7.0 5.4 8.0

122 10.1 11.0 16.4#

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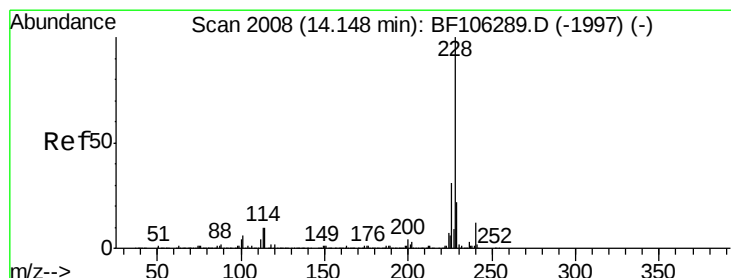
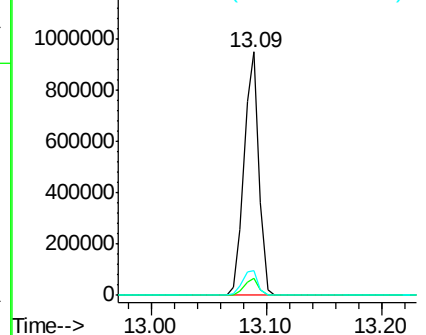
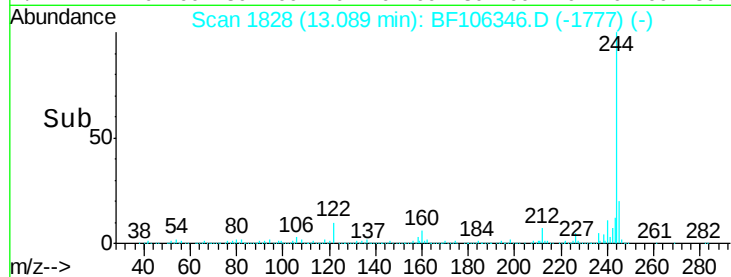
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 10.019 ng

RT: 14.15 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

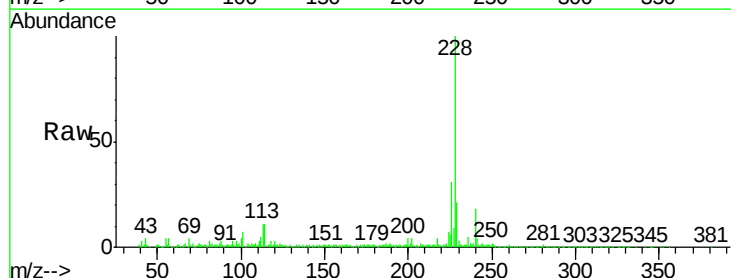
Tgt Ion:228 Resp: 309192

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

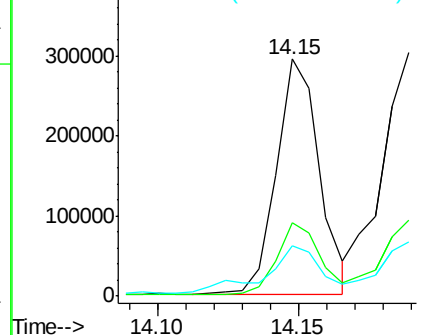
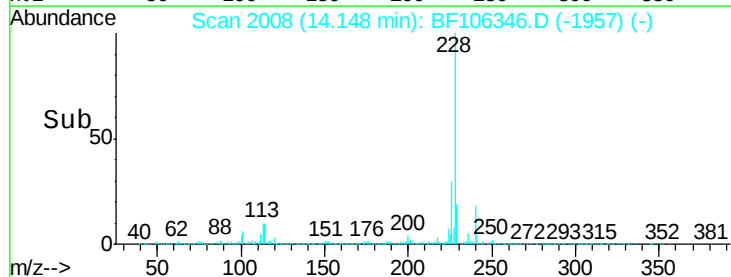
229 21.3 15.8 23.6

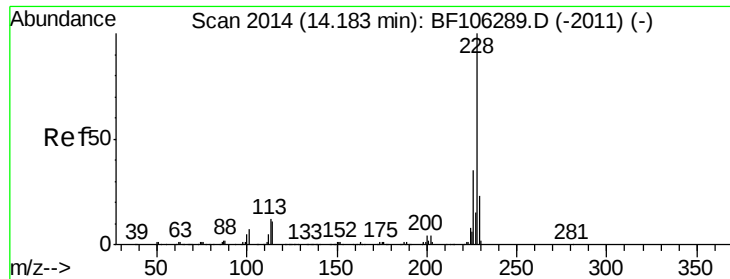


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





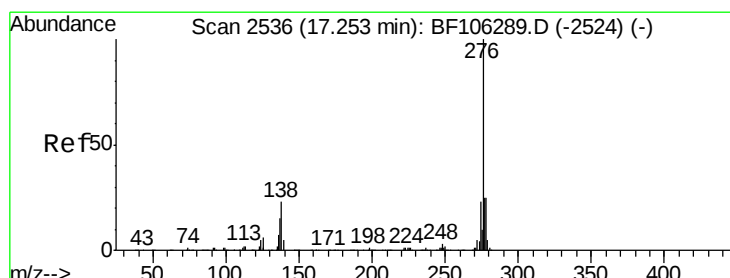
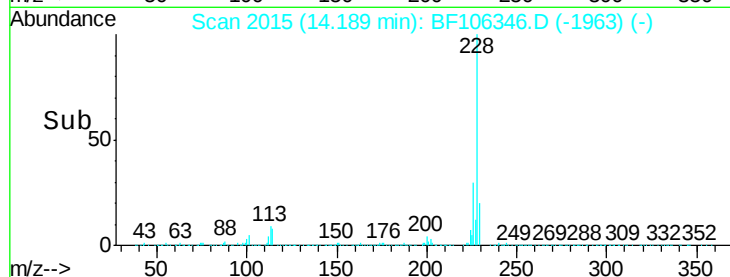
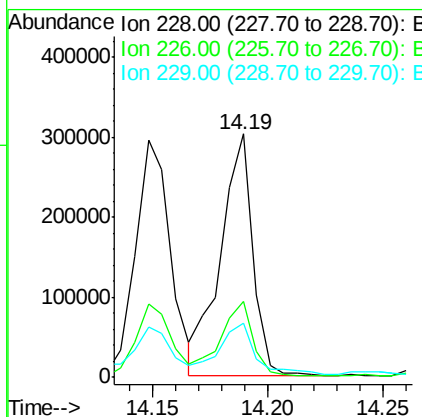
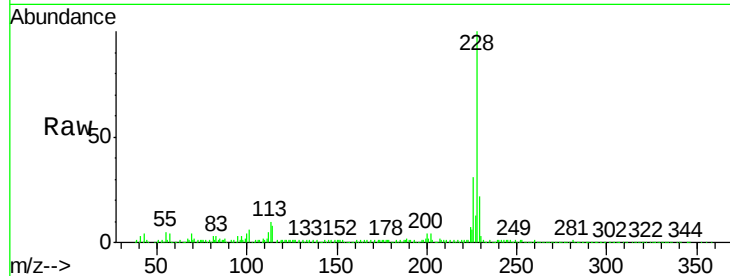
#82
Chrysene
Concen: 10.399 ng
RT: 14.19 min Scan# 2015
Delta R.T. 0.01 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Instrument :
BNA_F
ClientSampleId :
CL-01-061118-D

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	31.2	25.0	37.6	
229	22.1	16.2	24.4	

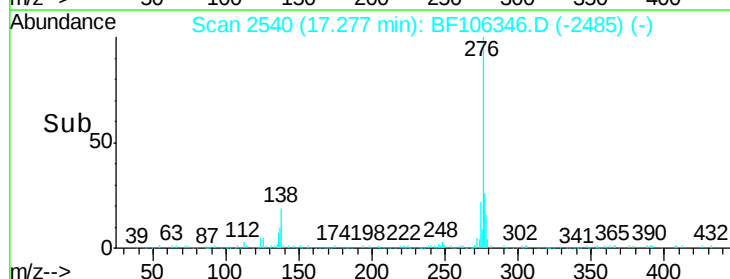
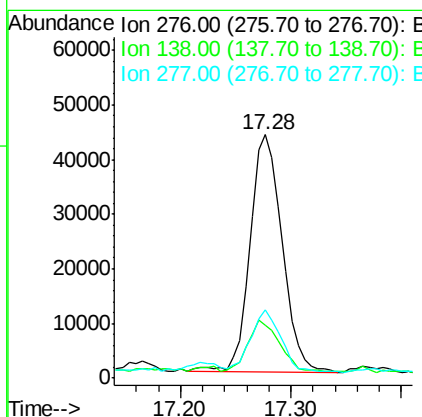
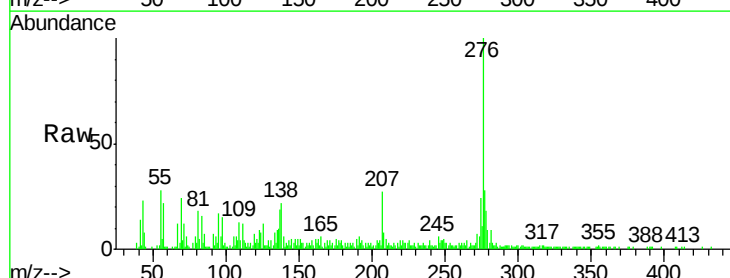
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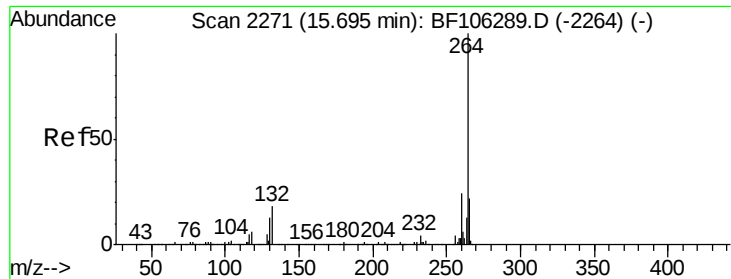
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.901 ng m
RT: 17.28 min Scan# 2540
Delta R.T. 0.02 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	5.5	25.0	37.6#	
277	4.2	20.1	30.1#	





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF106346.D

Acq: 12 Jun 2018 16:00

Instrument :

BNA_F

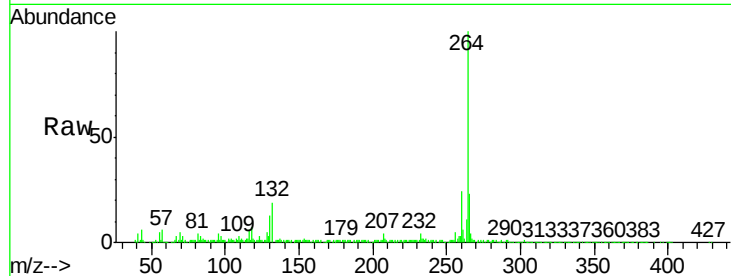
ClientSampleId :

CL-01-061118-D

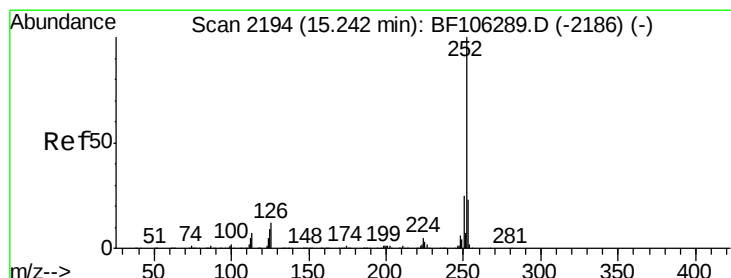
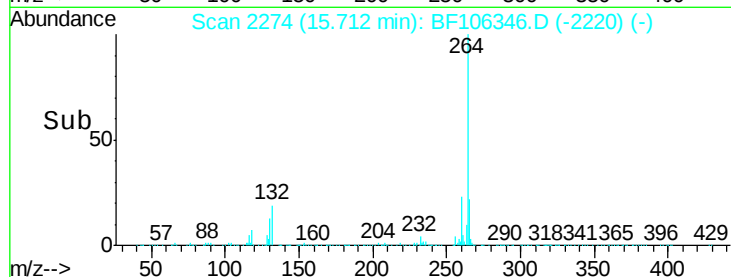
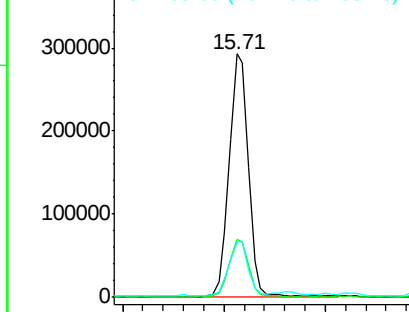
Tot Ion:	264	Resp:	384040
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	23.0	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 12.511 ng m

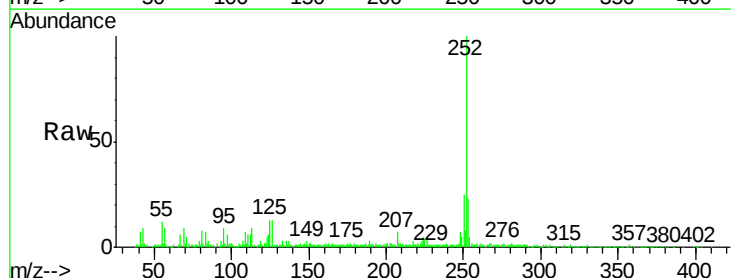
RT: 15.25 min Scan# 2196

Delta R.T. 0.01 min

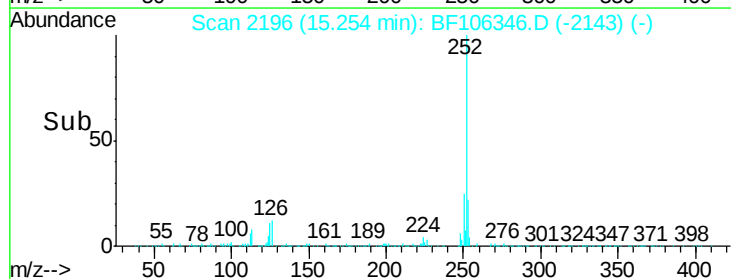
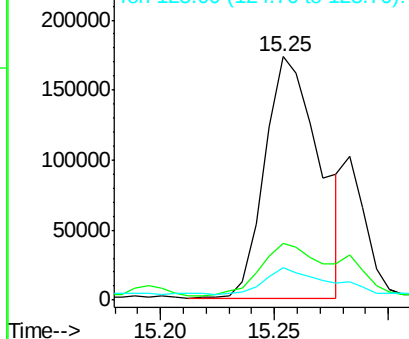
Lab File: BF106346.D

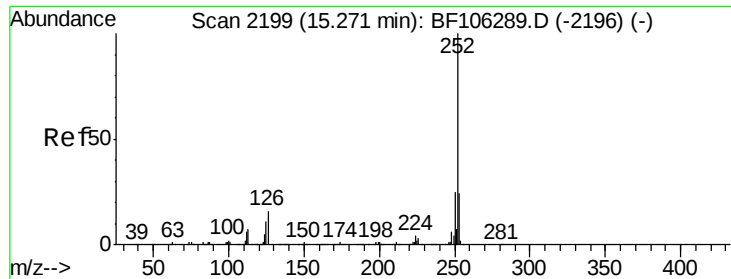
Acq: 12 Jun 2018 16:00

Tgt Ion:	252	Resp:	290436
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	13.4	9.0	13.6



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





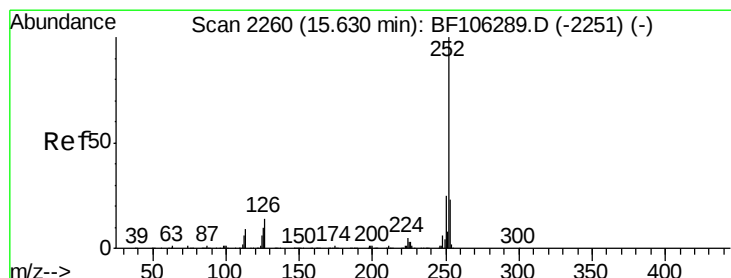
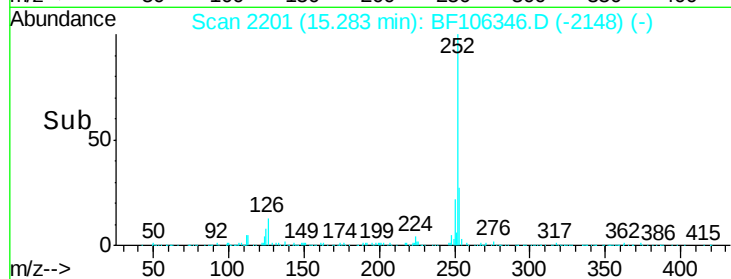
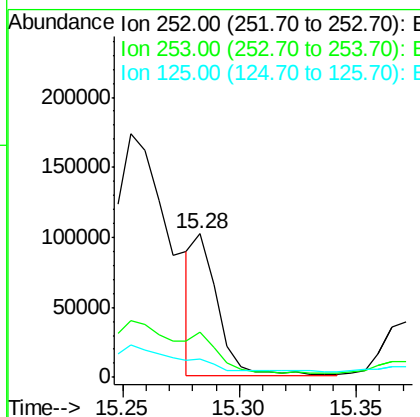
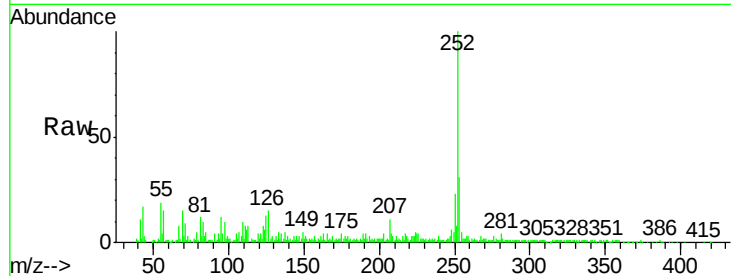
#88
Benzo(k)fluoranthene
Concen: 3.171 ng m
RT: 15.28 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Instrument :
BNA_F
ClientSampleId :
CL-01-061118-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.9	26.9
125	13.1	10.2	15.2

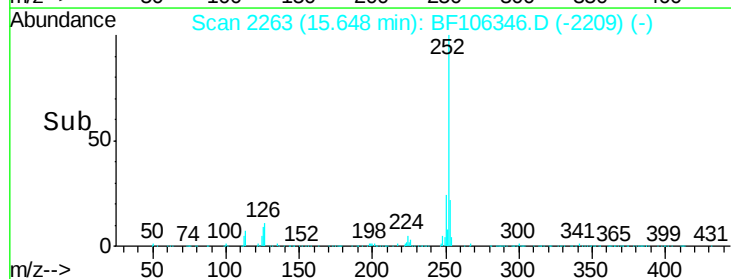
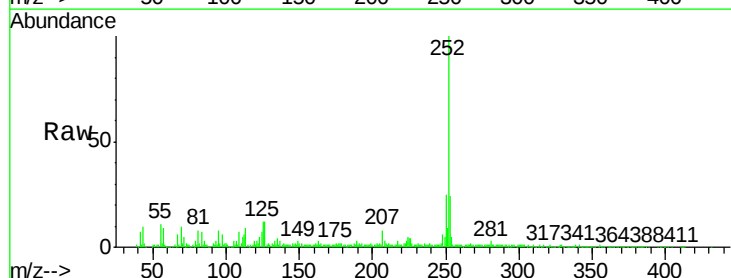
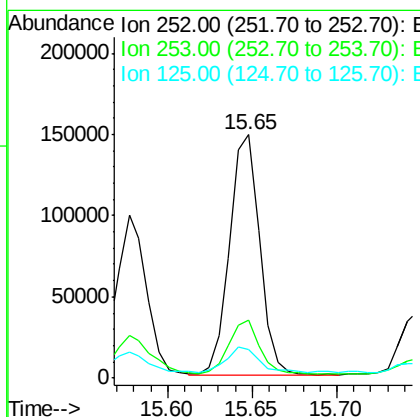
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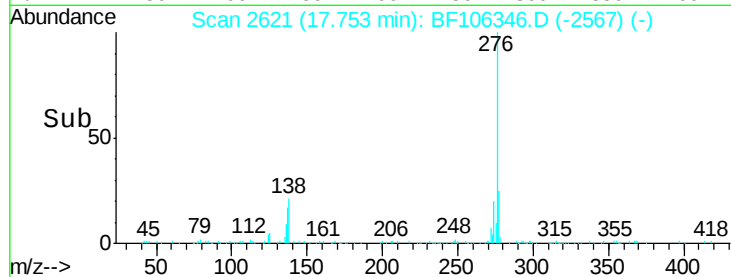
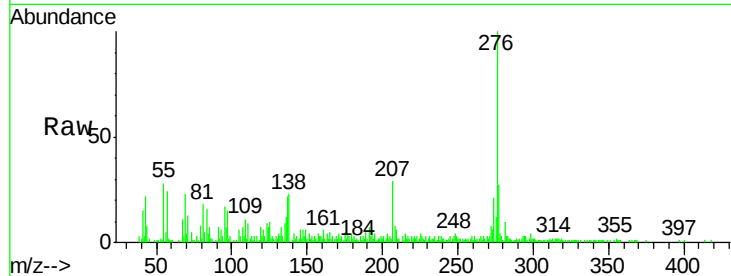
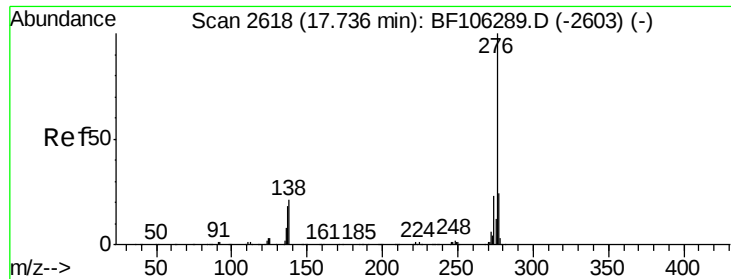
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#89
Benzo(a)pyrene
Concen: 8.840 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.7	9.8	14.6





#91
Benzo(a,h,i)perylene
Concen: 5.016 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.02 min
Lab File: BF106346.D
Acq: 12 Jun 2018 16:00

Instrument :
BNA_F
ClientSampleId :
CL-01-061118-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	23.3	21.8	32.8

Manual Integrations
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