

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
 Data File : BF106344.D
 Acq On : 12 Jun 2018 15:07
 Operator : JU/SJ
 Sample : J3245-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 6/13/2018 4:56:02 PM

Quant Time: Jun 13 01:58:17 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	149020	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	515341	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	201937	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	386290	20.00	ng	0.00
75) Chrysene-d12	14.16	240	482431	20.00	ng	0.00
86) Perylene-d12	15.71	264	394312	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	433008	49.18	ng	0.00
7) Phenol-d6	6.59	99	512354	46.06	ng	0.00
23) Nitrobenzene-d5	7.53	82	318445	36.35	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	100122	51.53	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	531038	37.26	ng	0.00
78) Terphenyl-d14	13.08	244	651561	33.55	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.72	163	72193	5.004	ng	99
57) Fluorene	10.56	166	44116	3.342	ng	97
70) Phenanthrene	11.52	178	320337	16.933	ng	99
71) Anthracene	11.58	178	94172	4.969	ng	99
74) Fluoranthene	12.72	202	478108	23.698	ng	96
77) Pyrene	12.95	202	448122	14.837	ng	100
80) Benzo(a)anthracene	14.15	228	238521m	8.308	ng	
82) Chrysene	14.18	228	248777m	9.491	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	80738	3.860	ng	# 92
87) Benzo(b)fluoranthene	15.25	252	266433m	11.178	ng	
88) Benzo(k)fluoranthene	15.28	252	72413m	3.068	ng	
89) Benzo(a)pyrene	15.64	252	172689	8.055	ng	96
91) Benzo(a,h,i)perylene	17.75	276	80290	4.622	ng	# 92

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

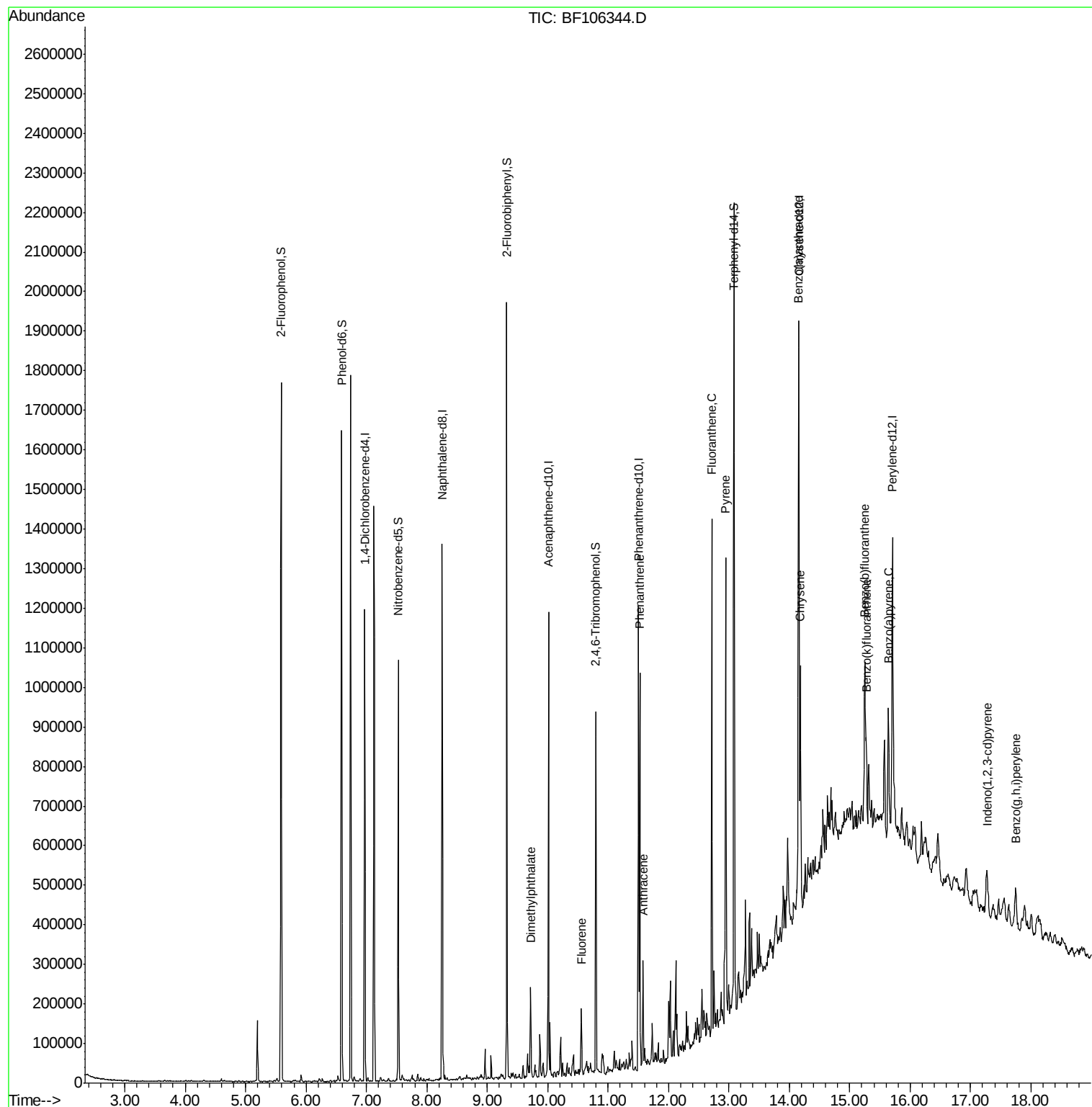
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
Data File : BF106344.D
Acq On : 12 Jun 2018 15:07
Operator : JU/SJ
Sample : J3245-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

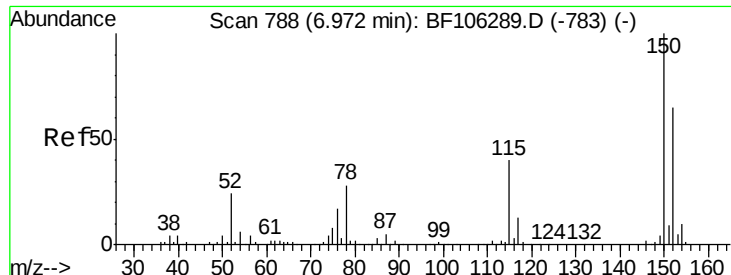
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
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#1

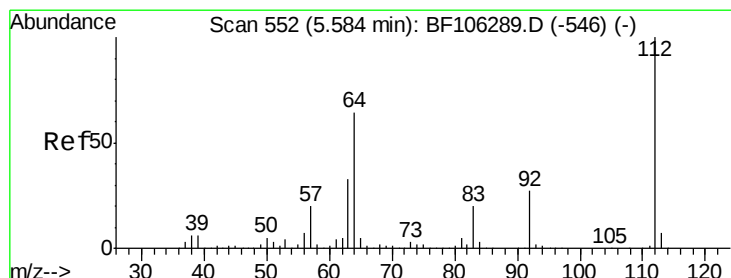
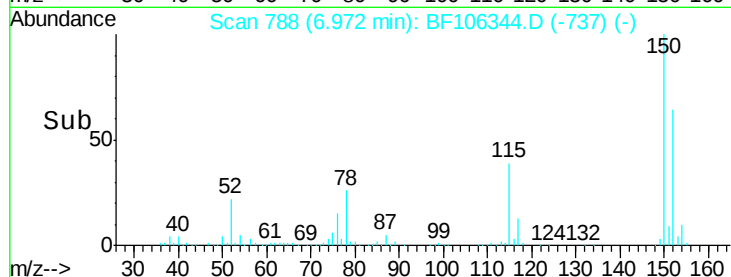
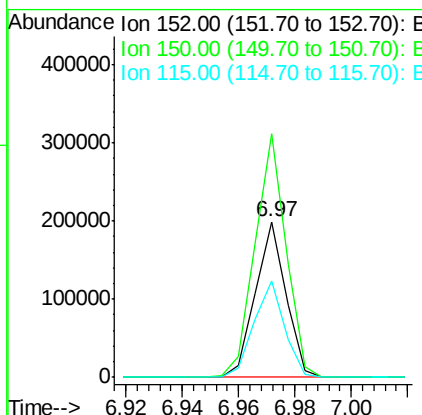
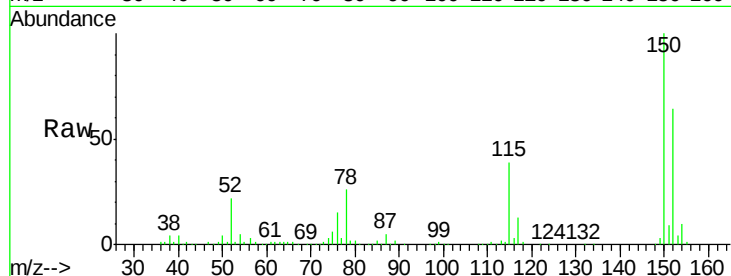
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	61.8	50.1	75.1

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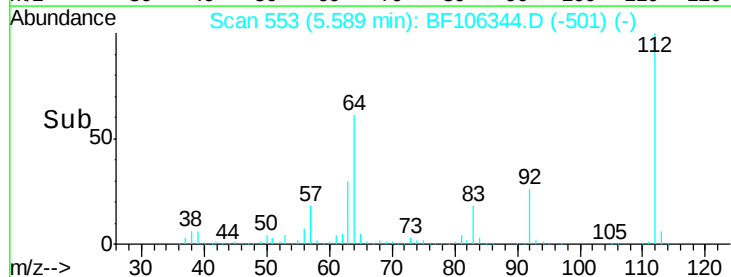
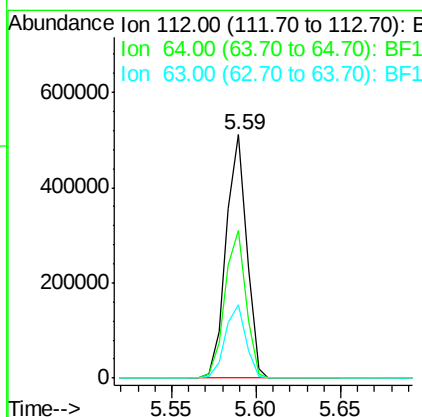
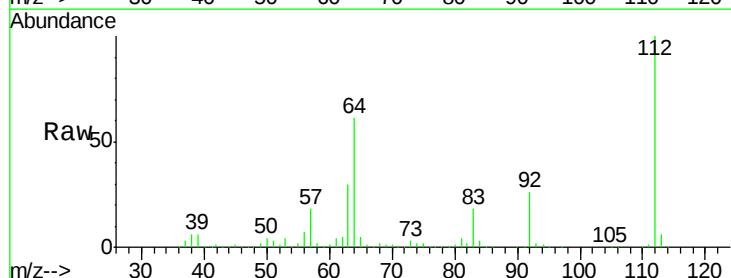
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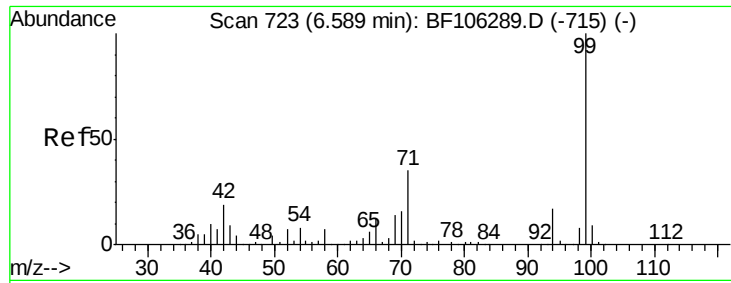


#5

2-Fluorophenol
Concen: 49.179 ng
RT: 5.59 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 46.059 ng

RT: 6.59 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

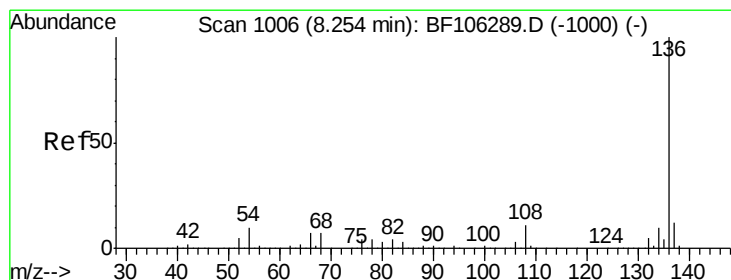
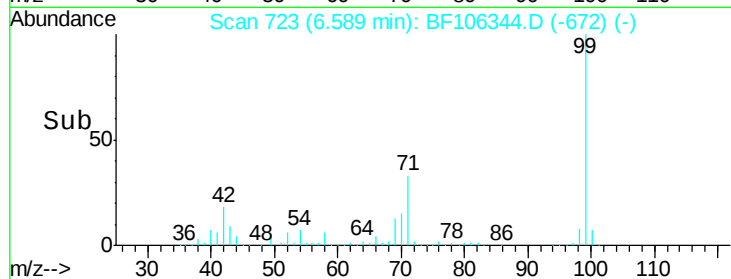
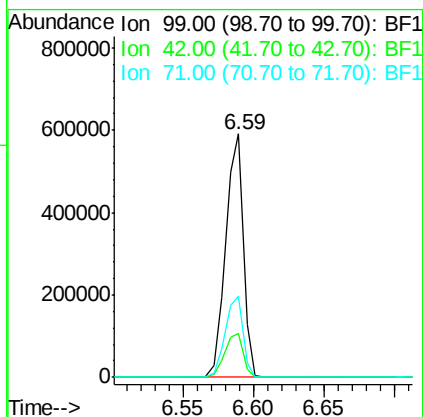
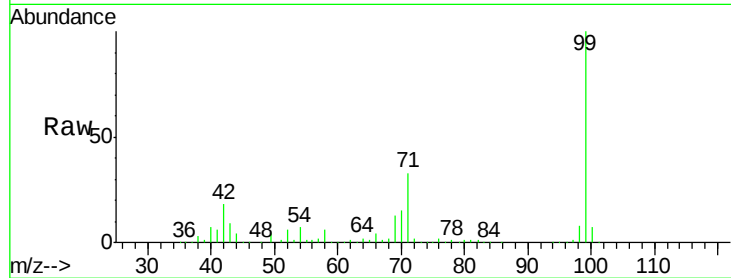
ClientSampled :

CL-01-061118-B

Tot Ion:	99	Resp:	512354
Ion Ratio	Lower	Upper	
99	100		
42	18.0	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

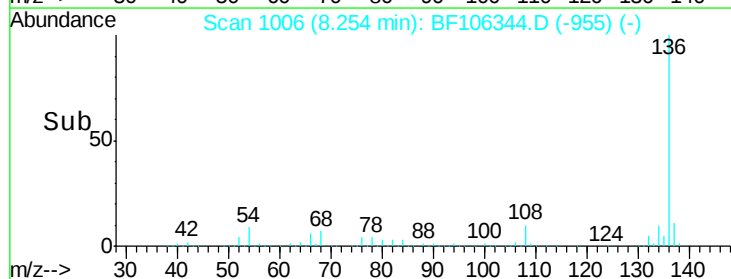
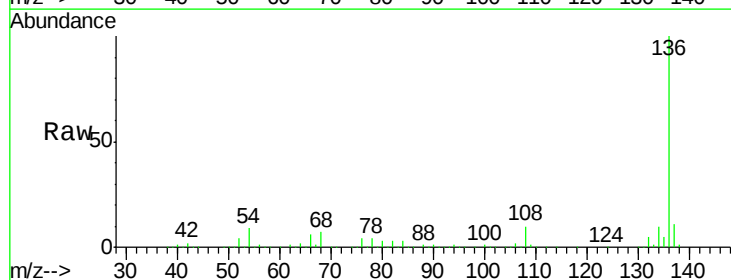
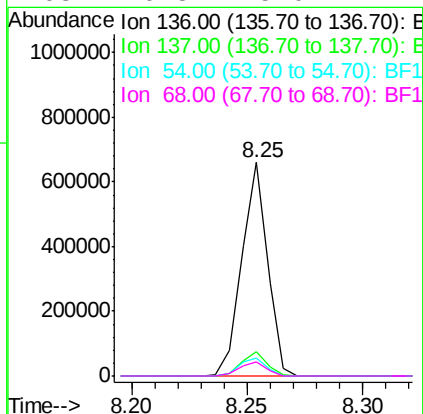
RT: 8.25 min Scan# 1006

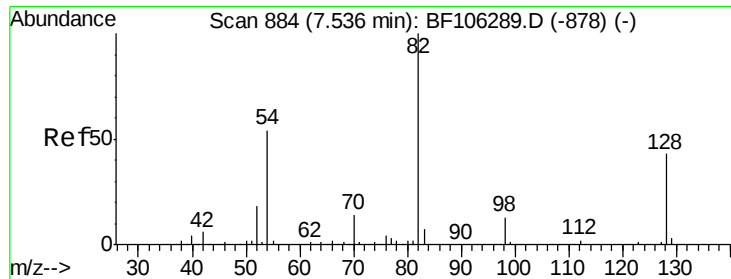
Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Tgt Ion:	136	Resp:	515341
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	8.6	6.6	9.8
68	6.8	5.0	7.4





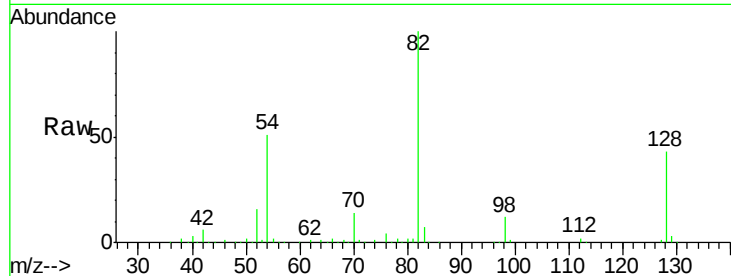
#23
Nitrobenzene-d5
Concen: 36.352 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

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

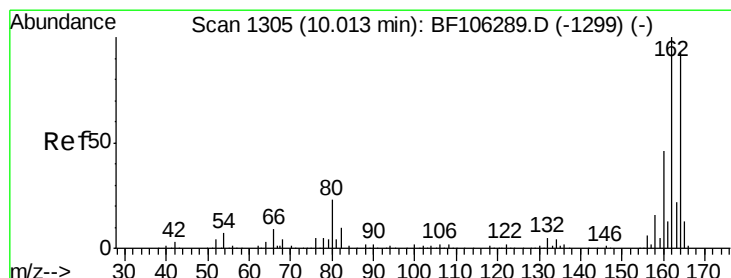
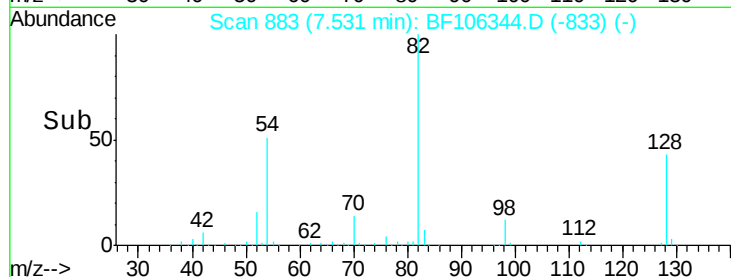
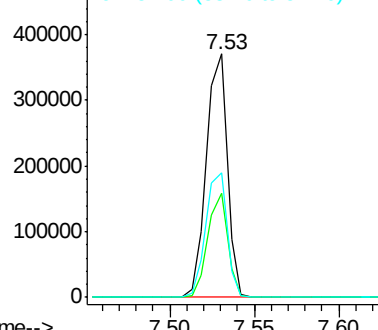
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	51.0	41.4	62.2

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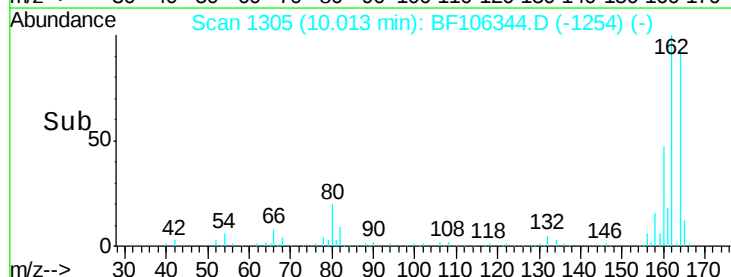
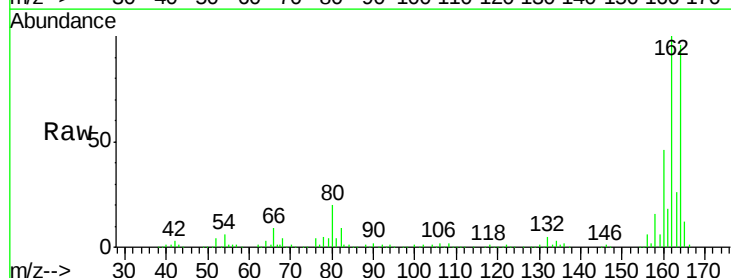
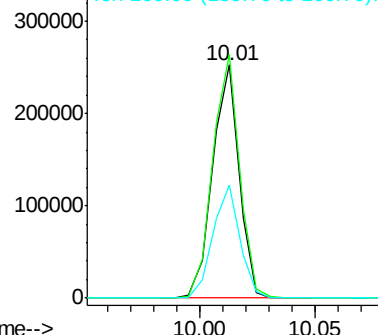
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Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

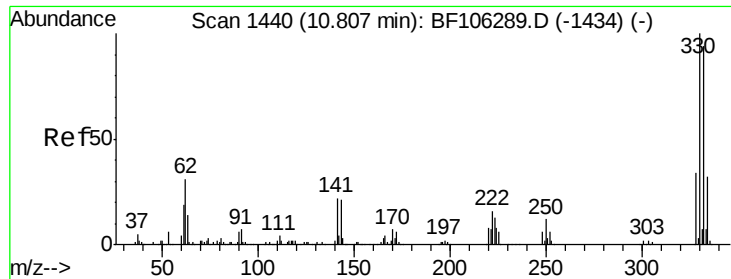


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	48.6	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





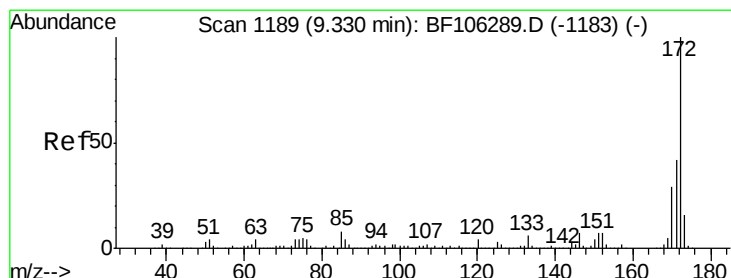
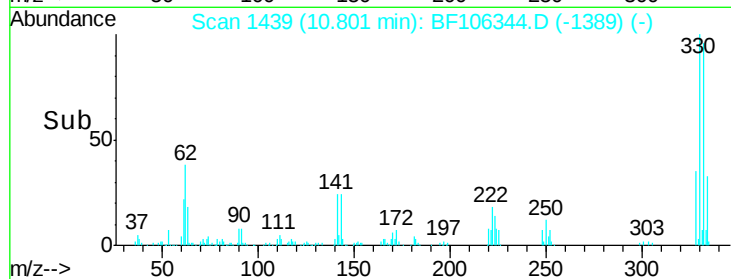
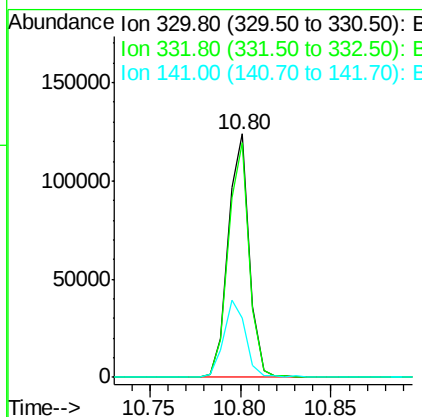
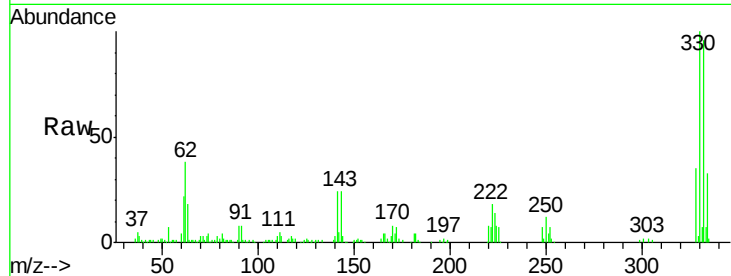
#41
 2,4,6-Tribromophenol
 Concen: 51.530 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF106344.D
 Acq: 12 Jun 2018 15:07

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	100122		
332	95.8		77.0	115.6
141	33.5		29.9	44.9

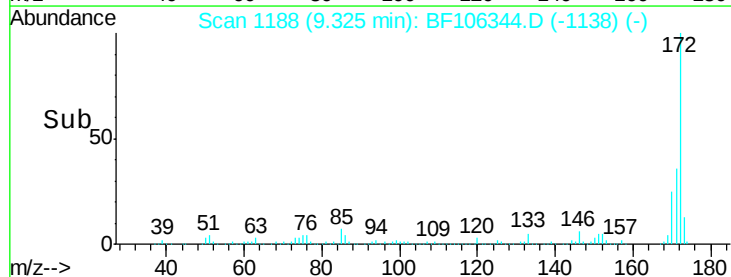
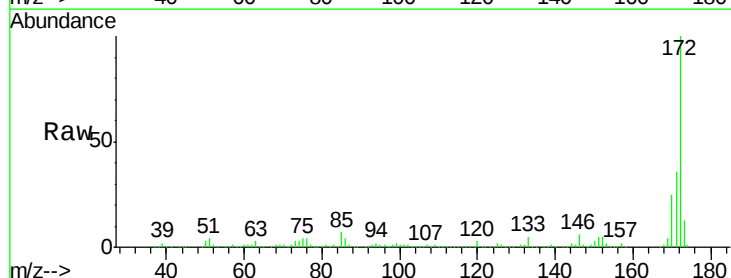
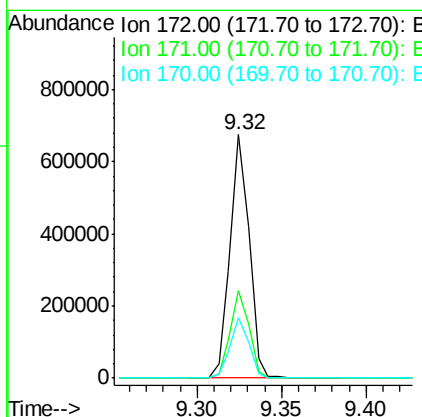
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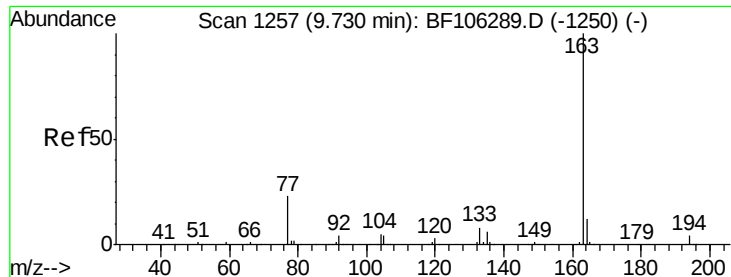
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#44
 2-Fluorobiphenyl
 Concen: 37.259 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106344.D
 Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	531038		
171	36.0		29.7	44.5
170	24.6		19.6	29.4





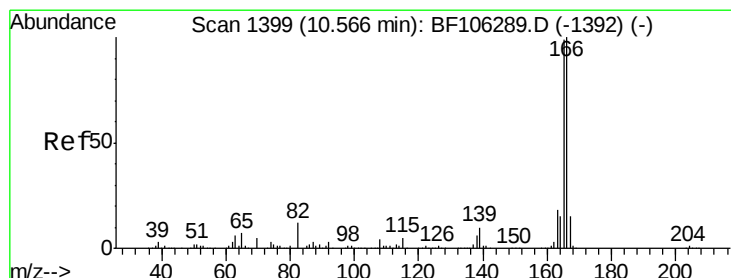
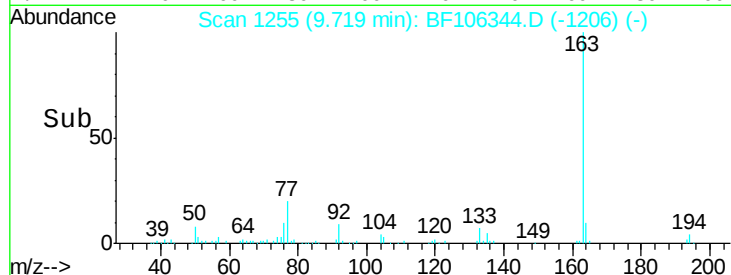
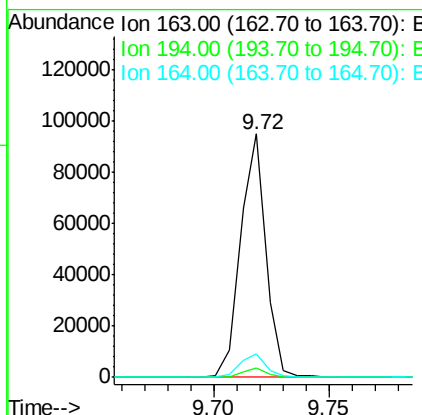
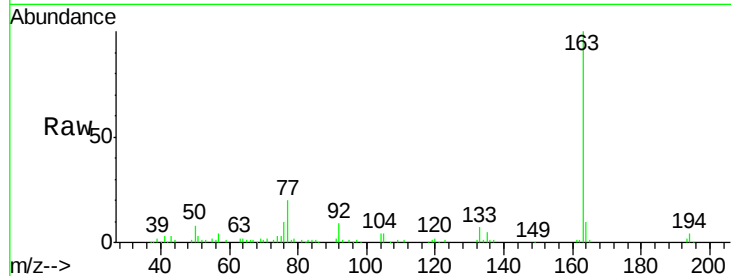
#49
Dimethylphthalate
Concen: 5.004 ng
RT: 9.72 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

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

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.9	8.2	12.2

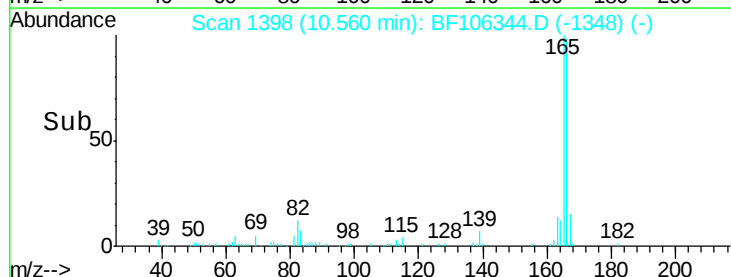
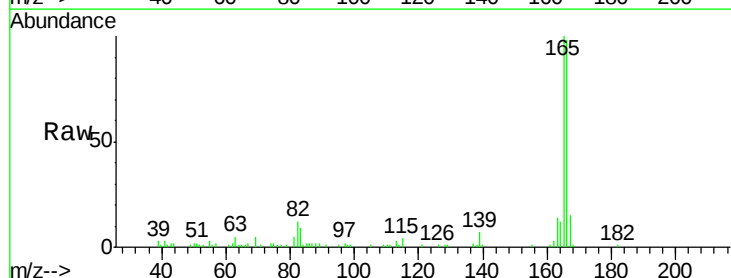
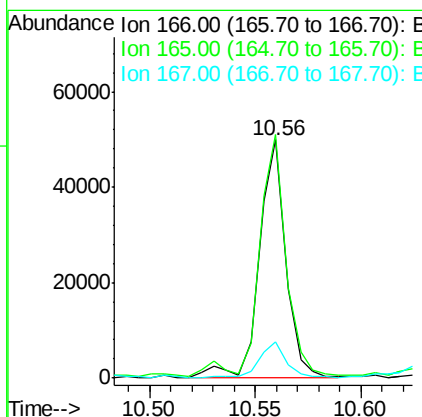
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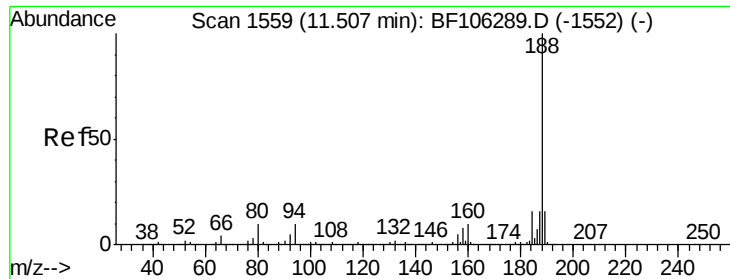
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#57
Fluorene
Concen: 3.342 ng
RT: 10.56 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	15.2	10.6	16.0





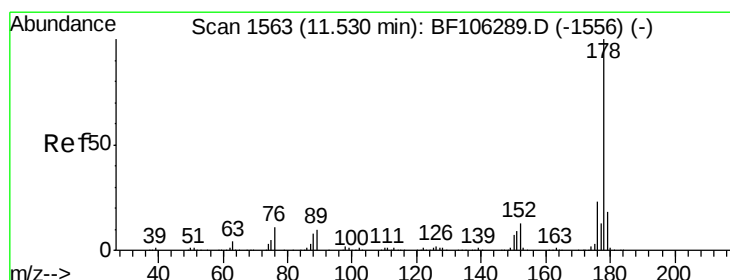
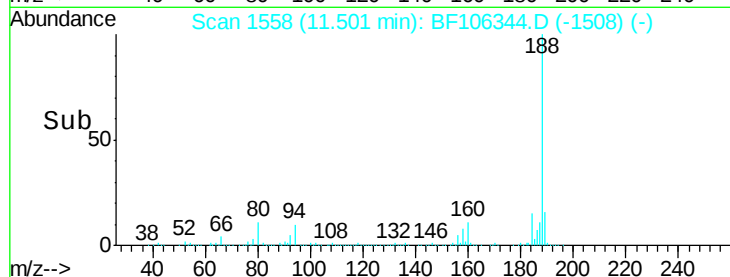
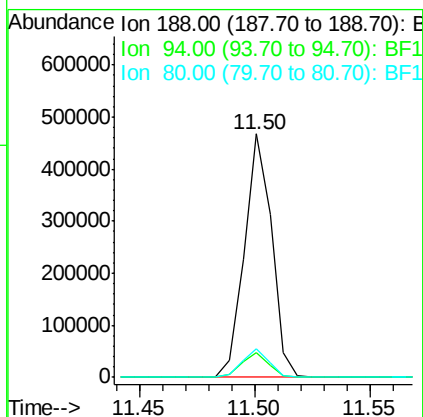
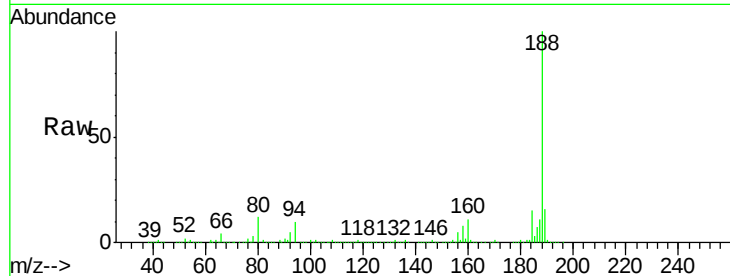
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.5	9.2	13.8

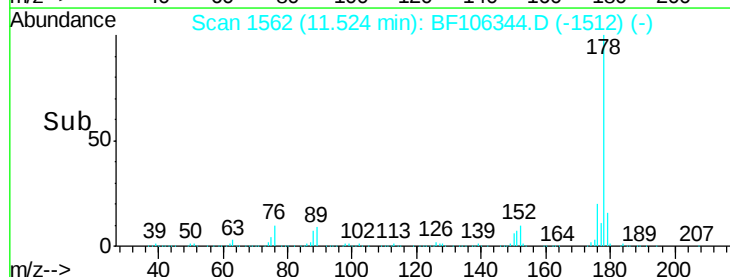
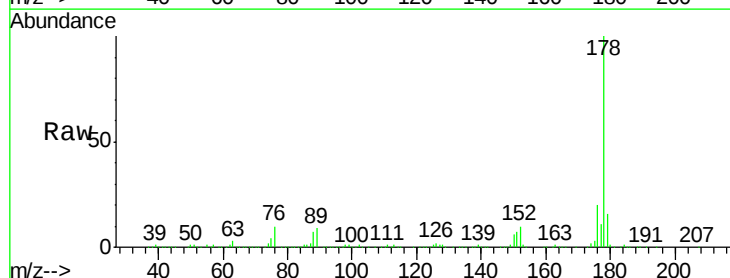
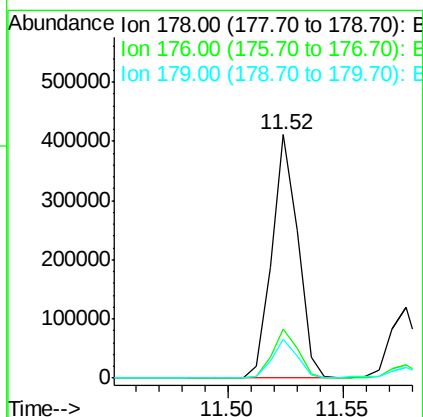
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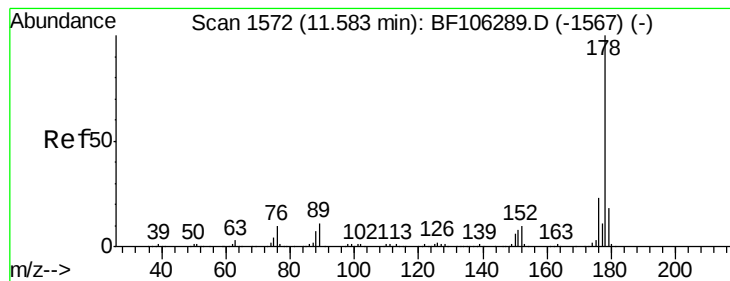
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#70
Phenanthrene
Concen: 16.933 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.8	13.0	19.6





#71

Anthracene

Concen: 4.969 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

ClientSampleId :

CL-01-061118-B

Tot Ion:178 Resp: 94172

Ion Ratio Lower Upper

178 100

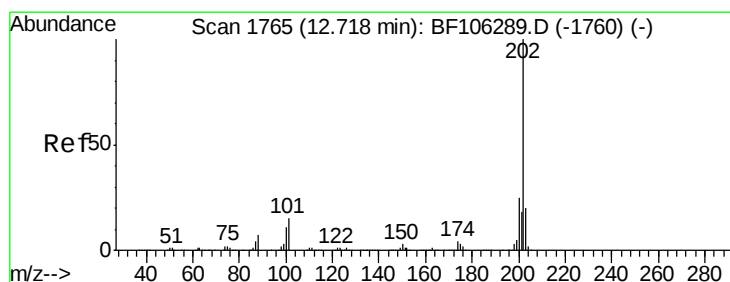
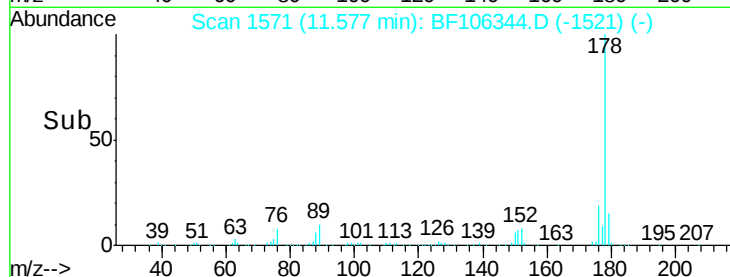
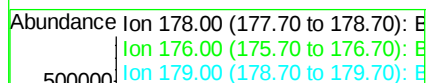
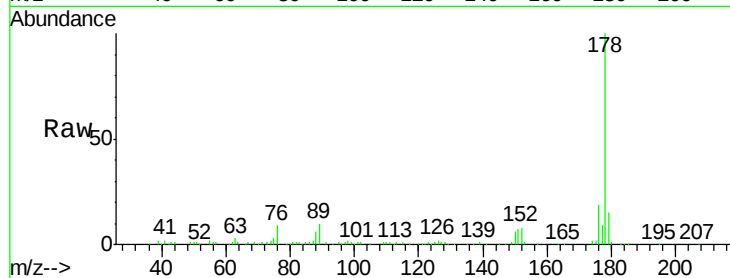
176 18.5 15.4 23.2

179 15.5 12.6 19.0

Manual Integrations
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#74

Fluoranthene

Concen: 23.698 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

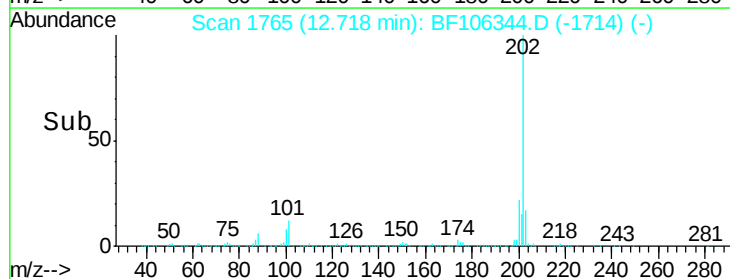
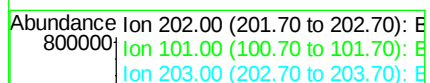
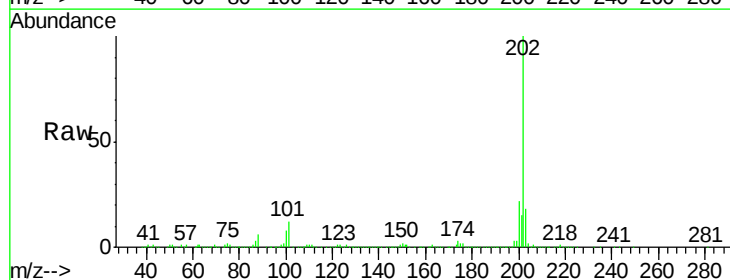
Tgt Ion:202 Resp: 478108

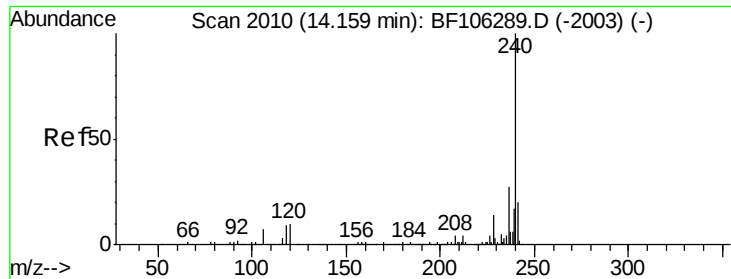
Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

203 17.5 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: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

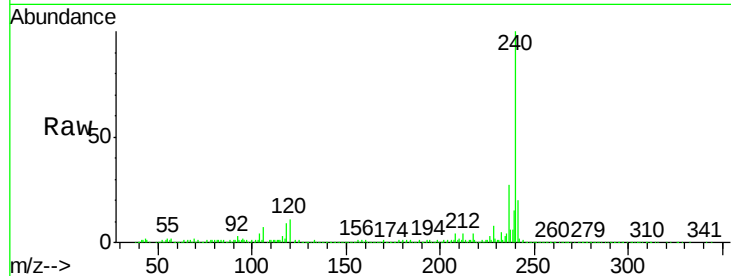
ClientSampled :

CL-01-061118-B

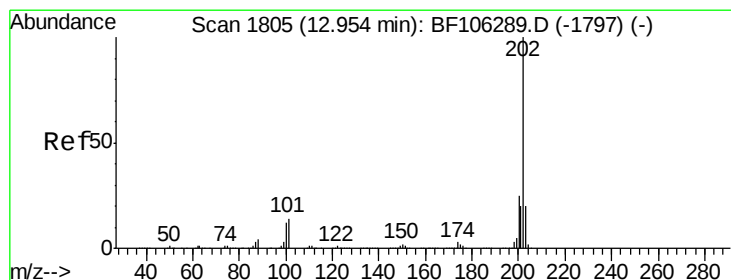
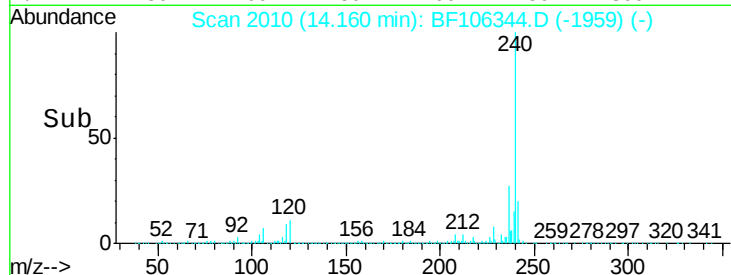
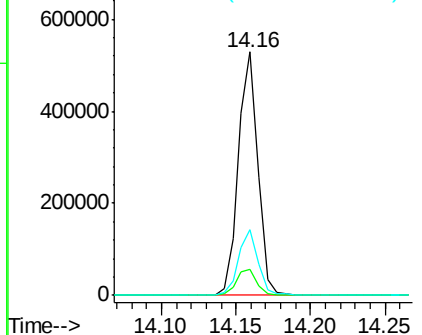
Tot Ion:	240	Resp:	482431
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	26.8	20.7	31.1

Manual Integrations
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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: 14.837 ng

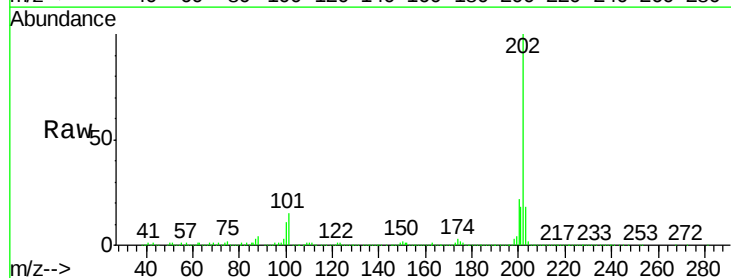
RT: 12.95 min Scan# 1804

Delta R.T. -0.01 min

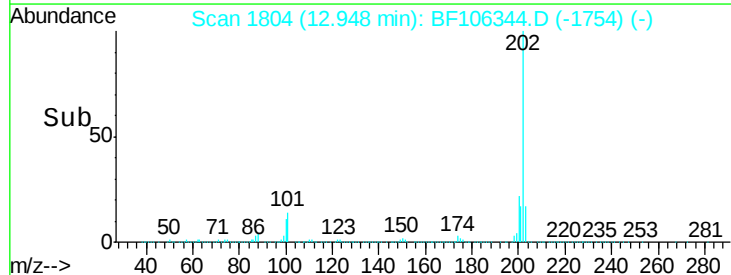
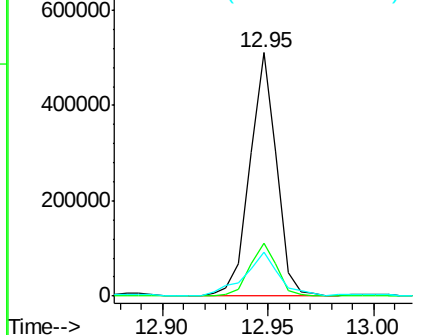
Lab File: BF106344.D

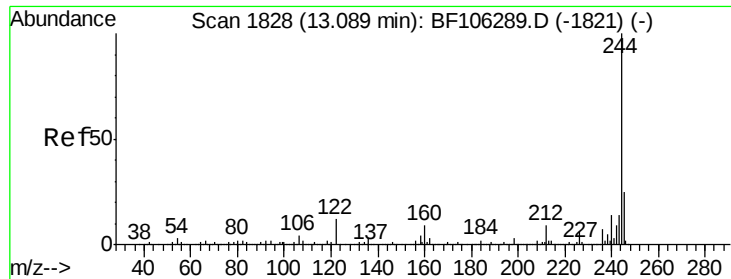
Acq: 12 Jun 2018 15:07

Tgt Ion:	202	Resp:	448122
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.1	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: 33.545 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

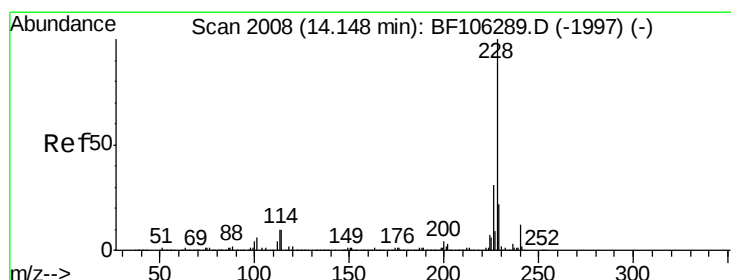
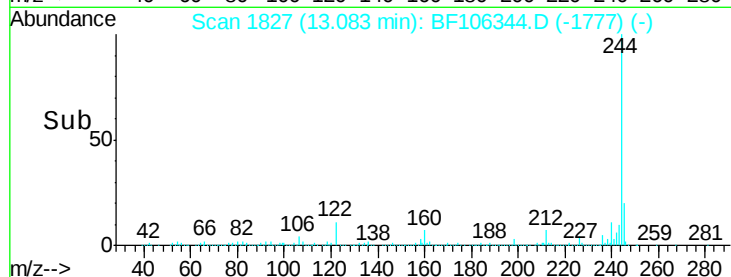
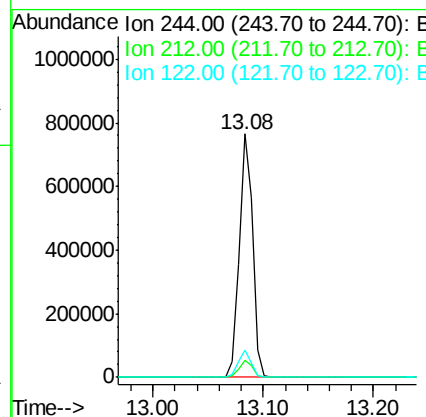
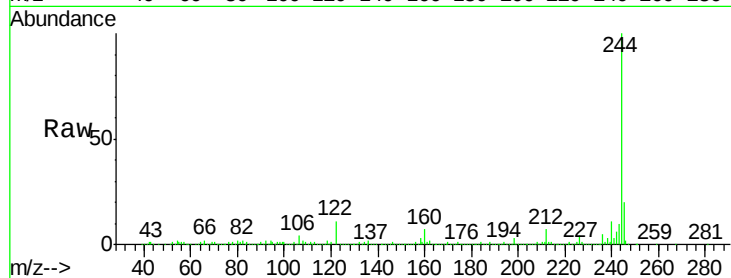
ClientSampled :

CL-01-061118-B

Tot Ion:	244	Resp:	651561
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	11.3	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 8.308 ng m

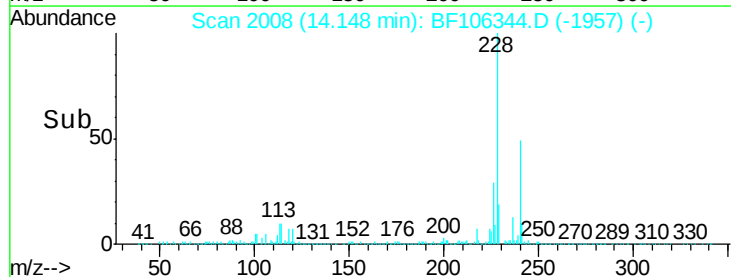
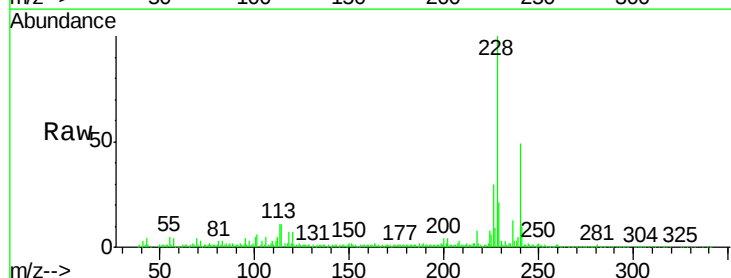
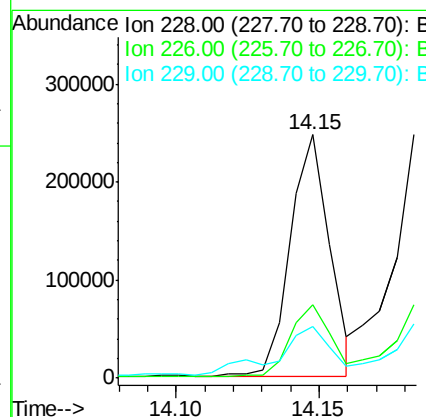
RT: 14.15 min Scan# 2008

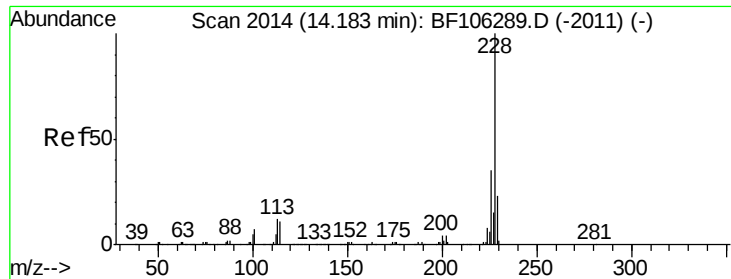
Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Tgt Ion:	228	Resp:	238521
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	21.1	15.8	23.6





#82

Chrysene

Concen: 9.491 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Instrument :

BNA_F

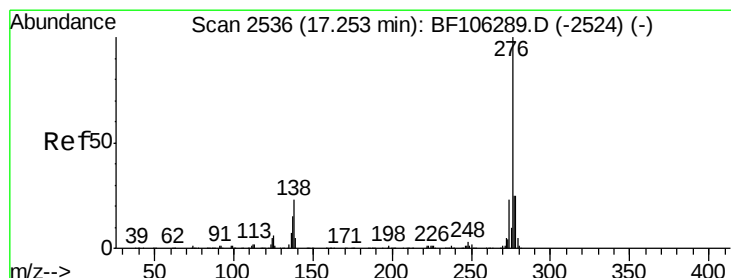
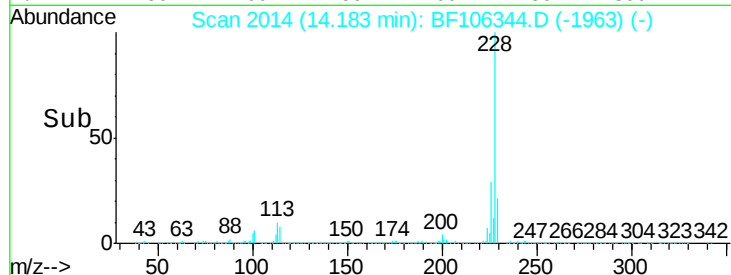
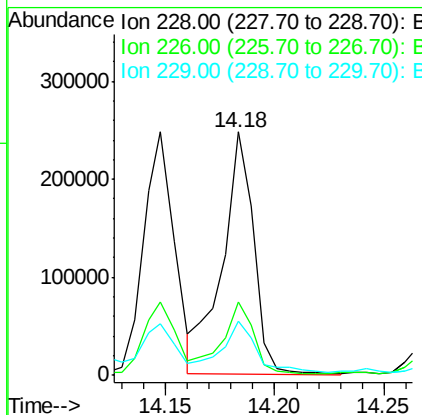
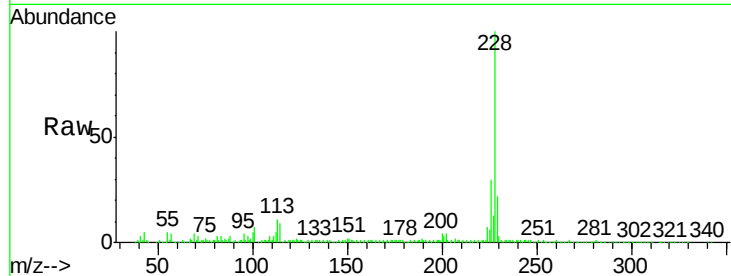
ClientSampleId :

CL-01-061118-B

Tot Ion:	228	Resp:	248777
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	22.4	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.860 ng

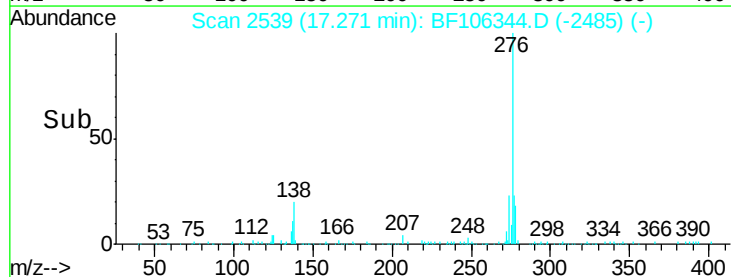
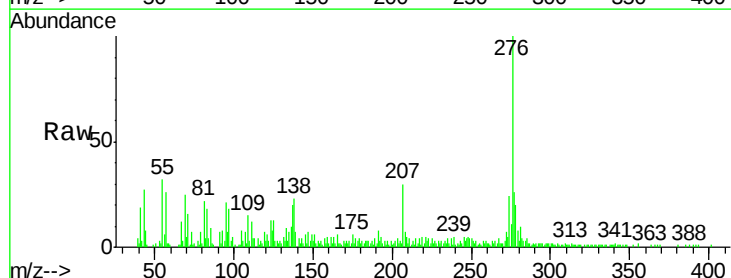
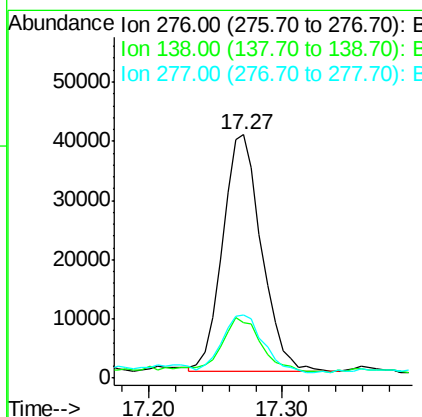
RT: 17.27 min Scan# 2539

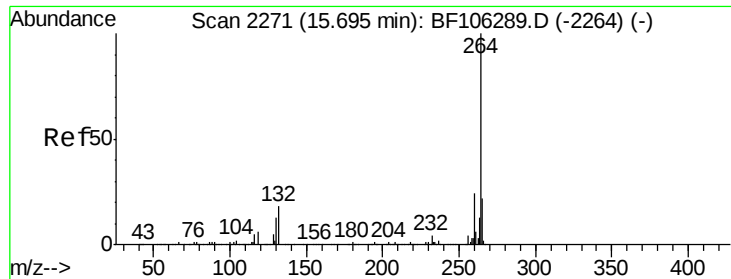
Delta R.T. 0.02 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Tgt Ion:	276	Resp:	80738
Ion Ratio	Lower	Upper	
276	100		
138	23.8	25.0	37.6#
277	25.6	20.1	30.1





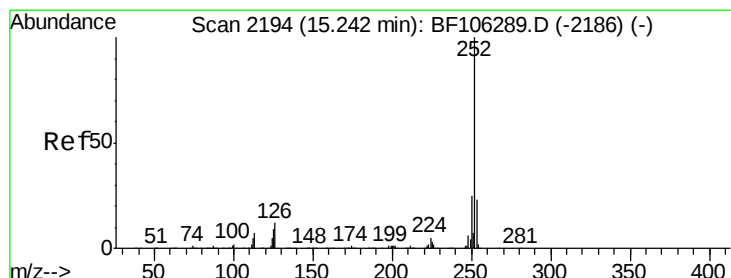
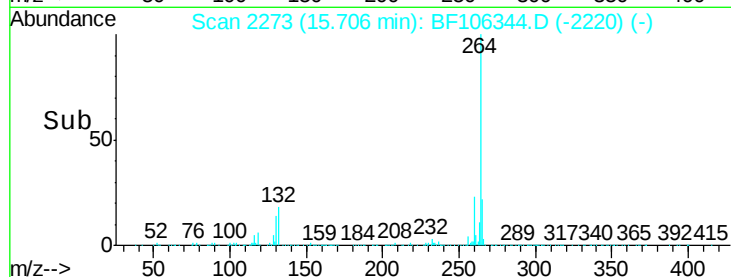
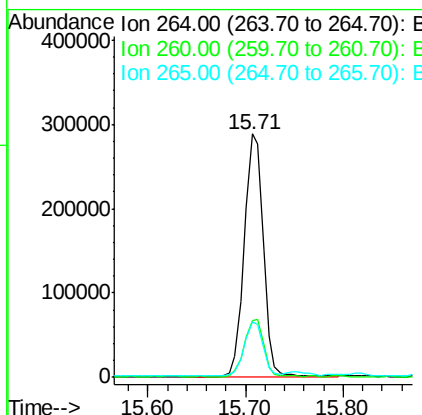
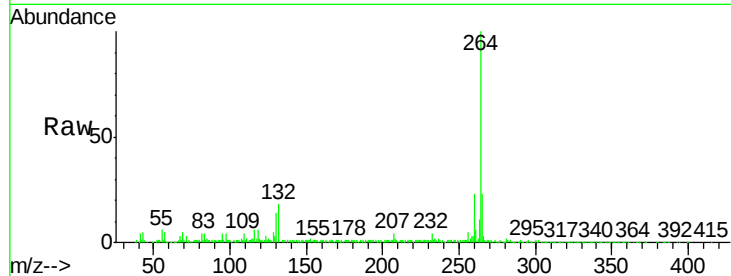
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.9	17.5	26.3

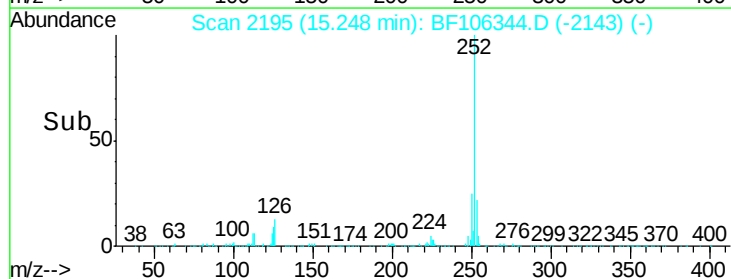
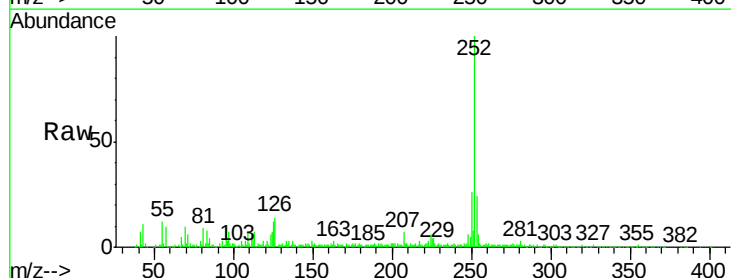
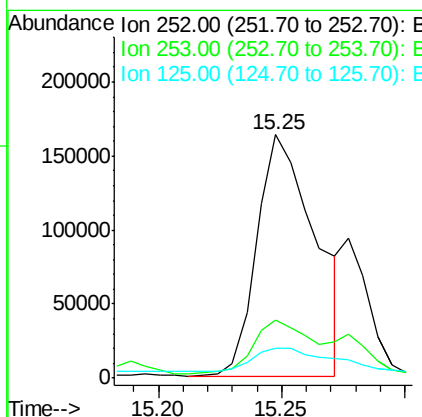
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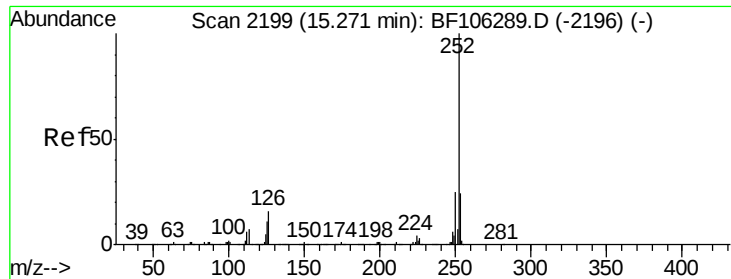
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#87
Benzo(b)fluoranthene
Concen: 11.178 ng m
RT: 15.25 min Scan# 2195
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	12.0	9.0	13.6





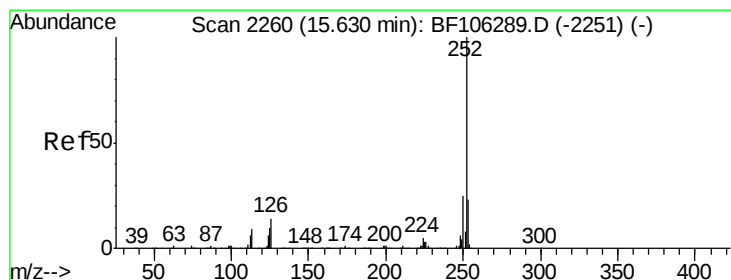
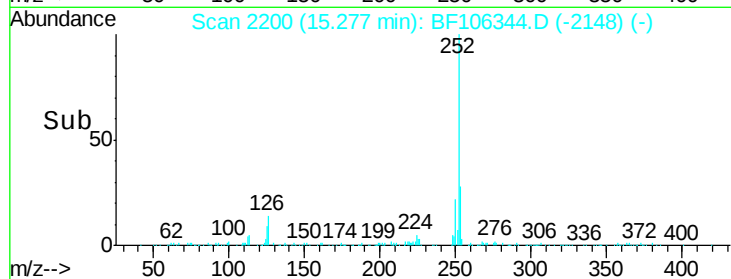
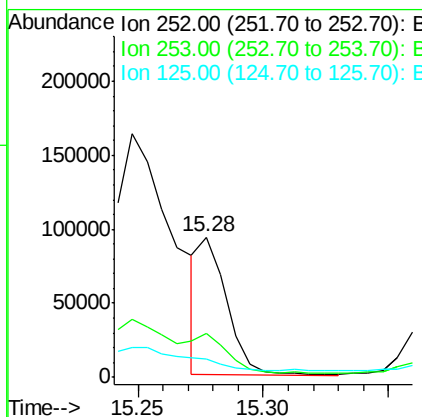
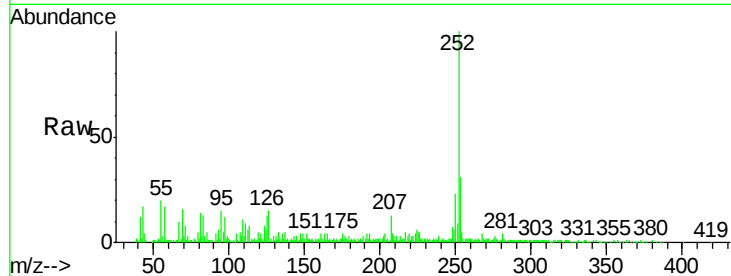
#88
Benzo(k)fluoranthene
Concen: 3.068 ng m
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.9	26.9#
125	13.2	10.2	15.2

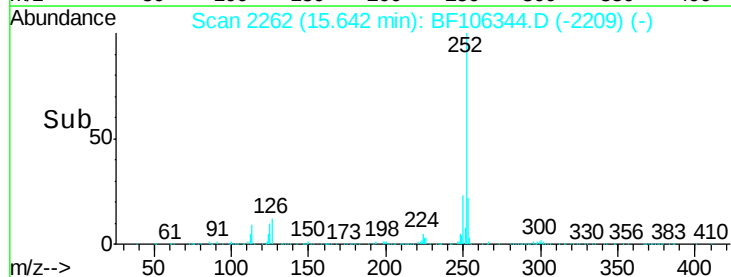
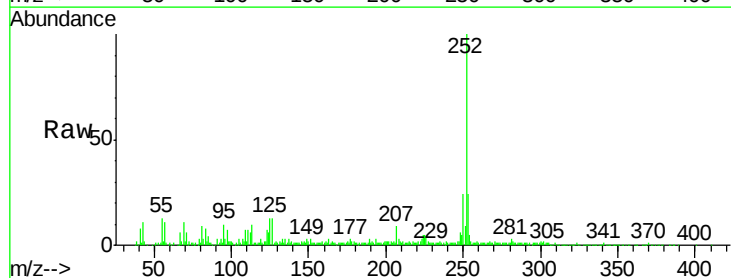
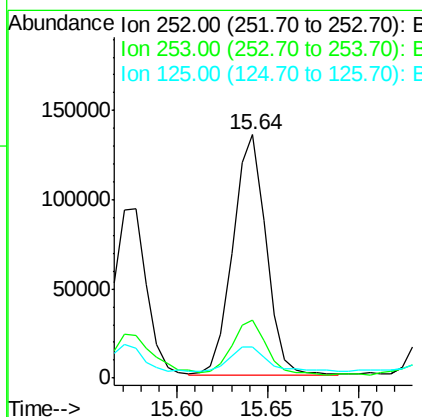
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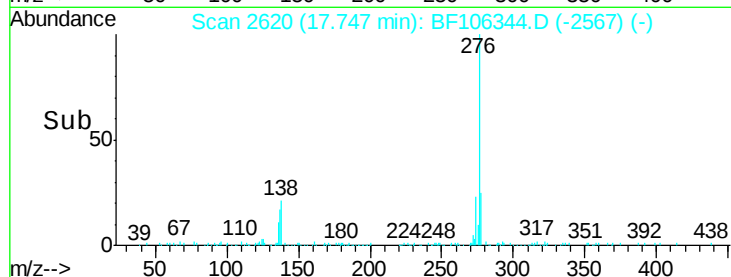
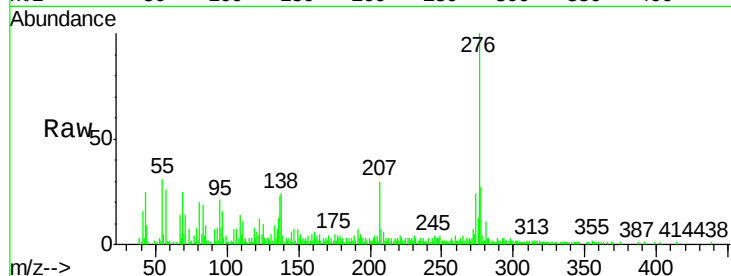
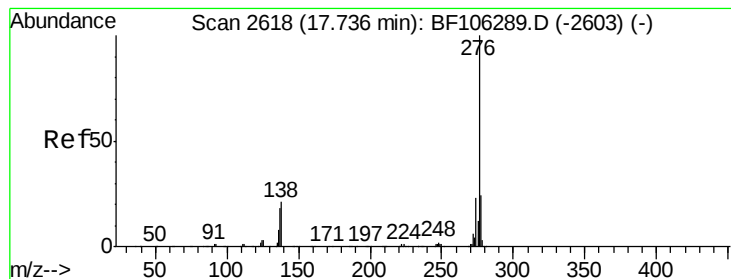
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#89
Benzo(a)pyrene
Concen: 8.055 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF106344.D
Acq: 12 Jun 2018 15:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	12.8	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 4.622 ng

RT: 17.75 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BF106344.D

Acq: 12 Jun 2018 15:07

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9#
138	23.9	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

CL-01-061118-B

Manual Integrations
APPROVED

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