

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106396.D
 Acq On : 13 Jun 2018 17:32
 Operator : JU/SJ
 Sample : J3246-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-061218

Manual Integrations
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 6/14/2018 2:47:43 PM

Quant Time: Jun 14 03:27:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	159168	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	626825	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	307173	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	566862	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	434903	20.00	ng	-0.01
86) Perylene-d12	15.69	264	426902	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	381650	40.58	ng	-0.01
7) Phenol-d6	6.61	99	505177	42.52	ng	-0.01
23) Nitrobenzene-d5	7.52	82	313572	29.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	127349	43.09	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	620395	25.84	ng	-0.01
78) Terphenyl-d14	13.08	244	590526	33.73	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.71	163	104895	4.780	ng	99
70) Phenanthrene	11.52	178	204917	7.381	ng	98
71) Anthracene	11.57	178	56664	2.037	ng	99
74) Fluoranthene	12.71	202	326939	11.043	ng	98
77) Pyrene	12.94	202	345160	12.677	ng	99
80) Benzo(a)anthracene	14.14	228	194672m	7.522	ng	
82) Chrysene	14.18	228	191224	8.093	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	98149	5.205	ng	# 90
87) Benzo(b)fluoranthene	15.24	252	273925m	10.615	ng	
88) Benzo(k)fluoranthene	15.26	252	91823m	3.593	ng	
89) Benzo(a)pyrene	15.62	252	195850	8.438	ng	99
91) Benzo(a,h,i)perylene	17.73	276	88601	4.711	ng	# 93

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

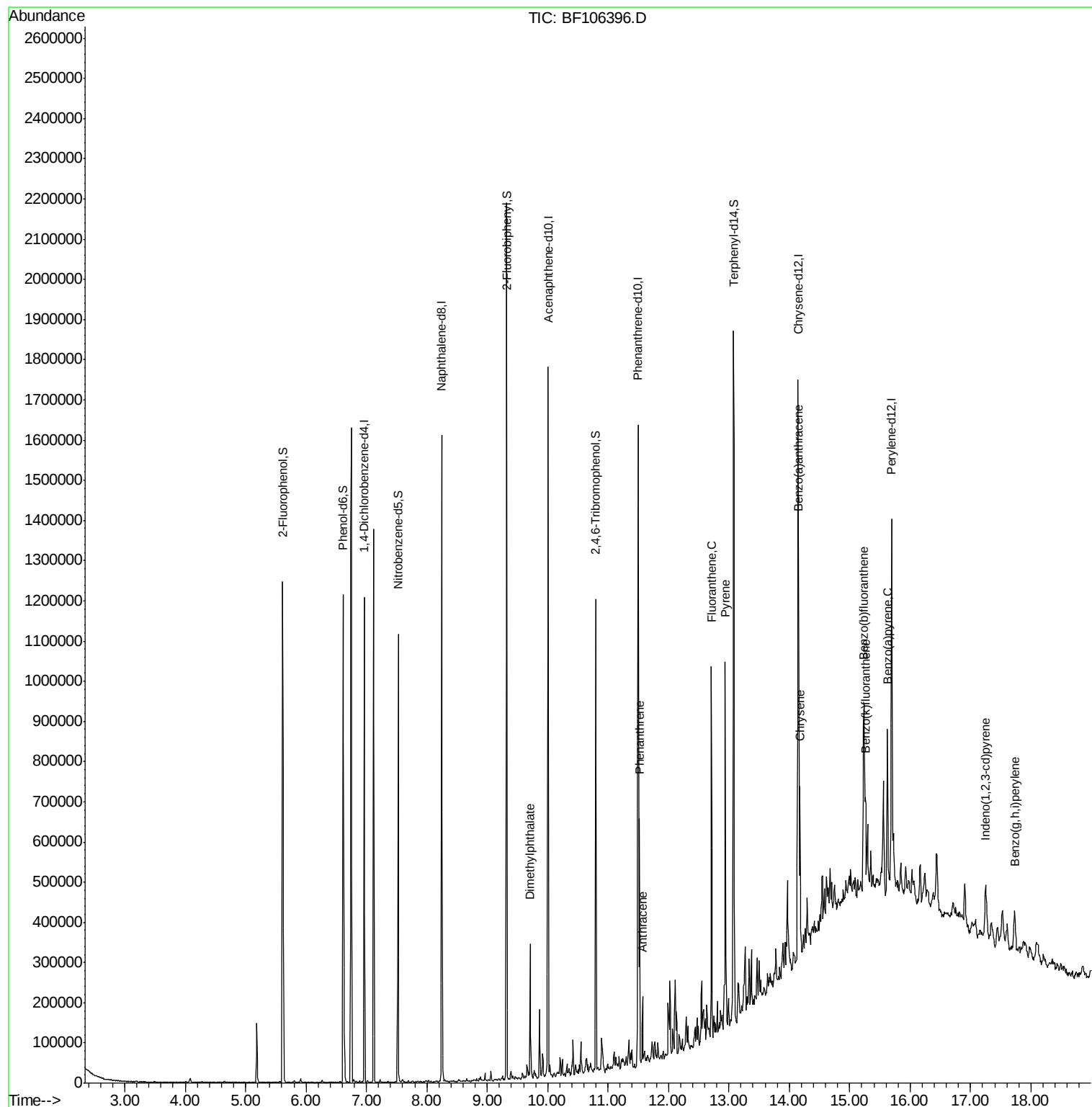
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
Data File : BF106396.D
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Sample : J3246-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

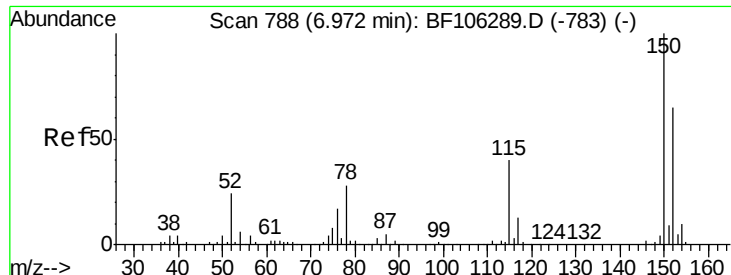
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
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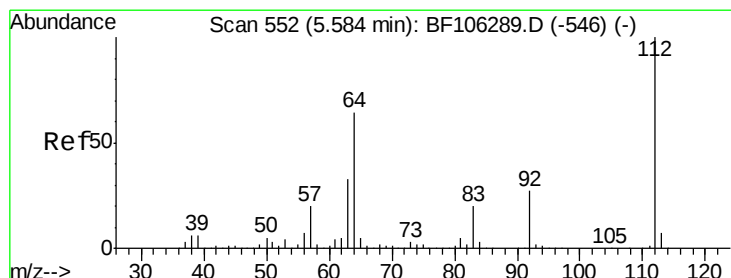
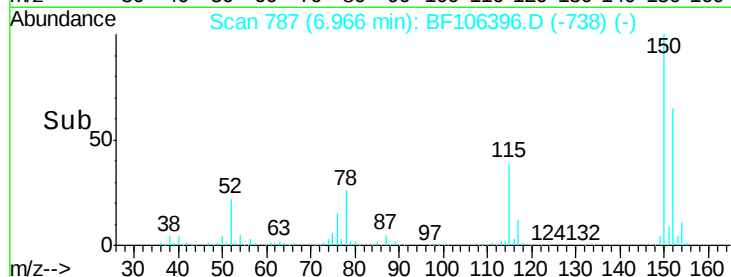
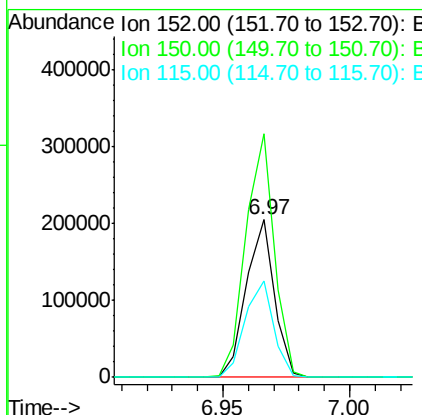
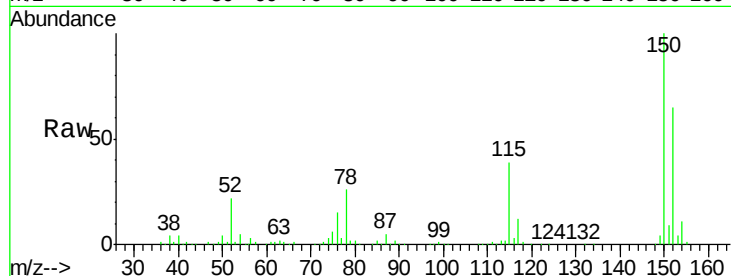
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. -0.01 min
 Lab File: BF106396.D
 Acq: 13 Jun 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-061218

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	60.9	50.1	75.1

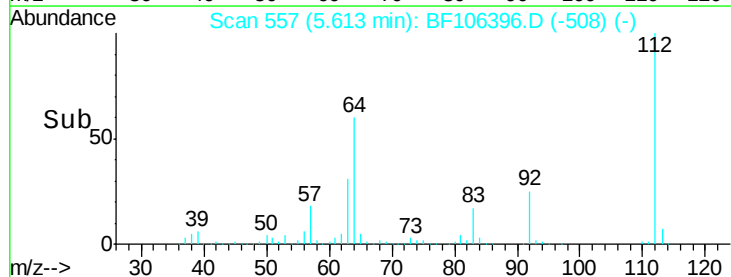
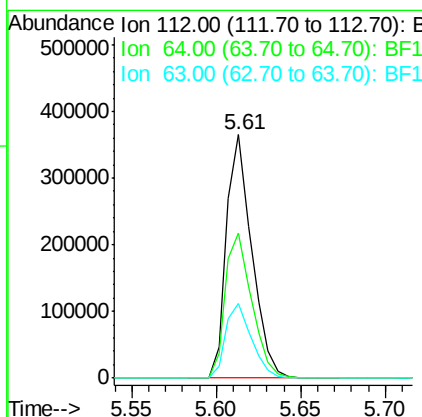
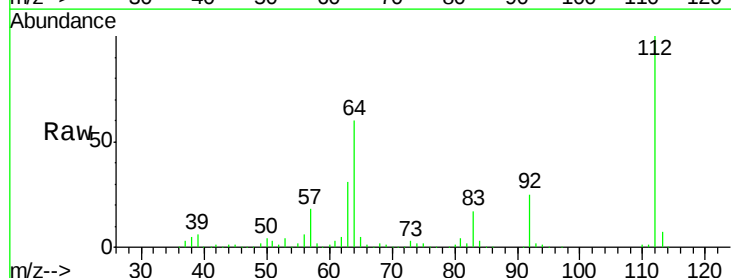
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#5
 2-Fluorophenol
 Concen: 40.582 ng
 RT: 5.61 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: BF106396.D
 Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 42.518 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Instrument :

BNA_F

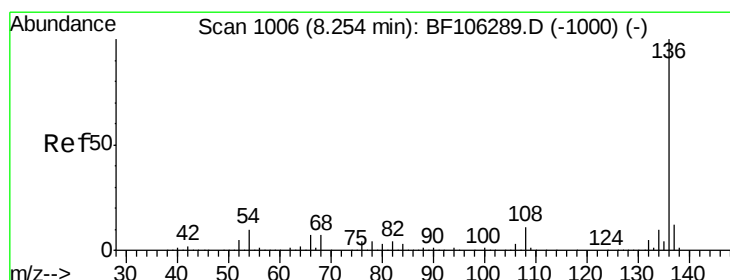
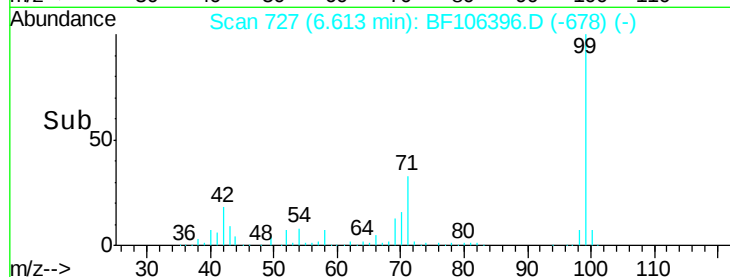
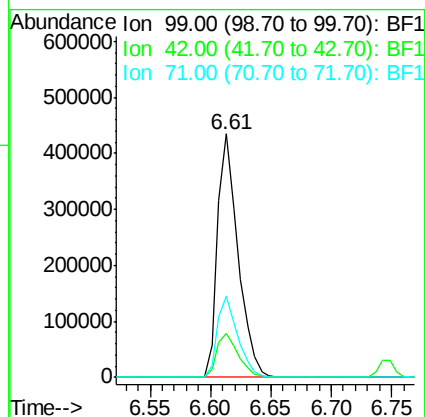
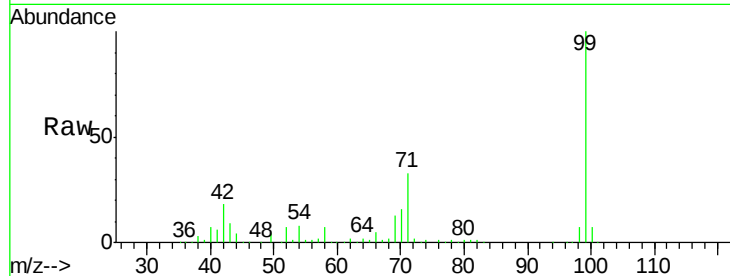
ClientSampleId :

OK-02-061218

Tot Ion:	99	Resp:	505177
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

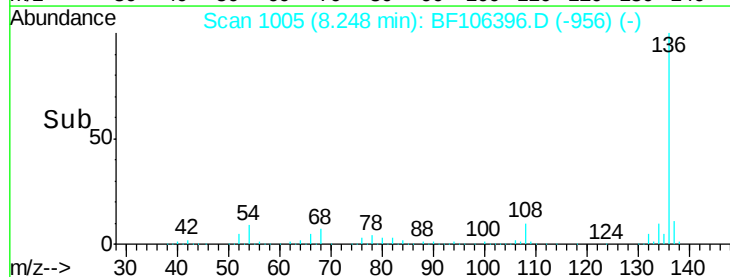
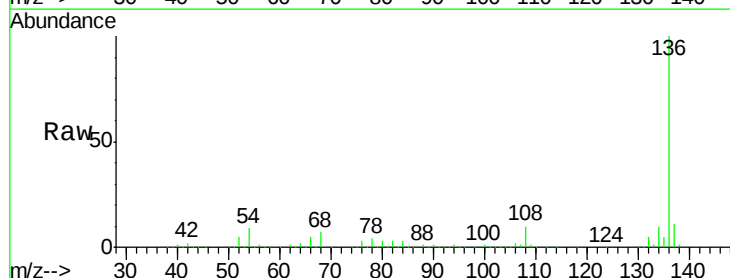
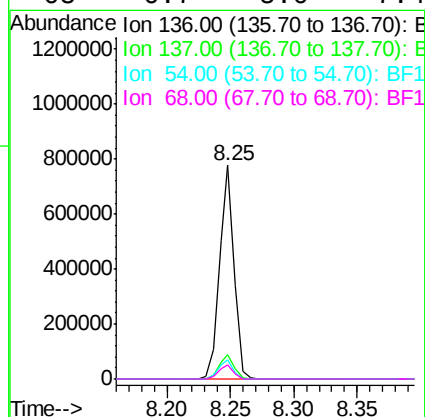
RT: 8.25 min Scan# 1005

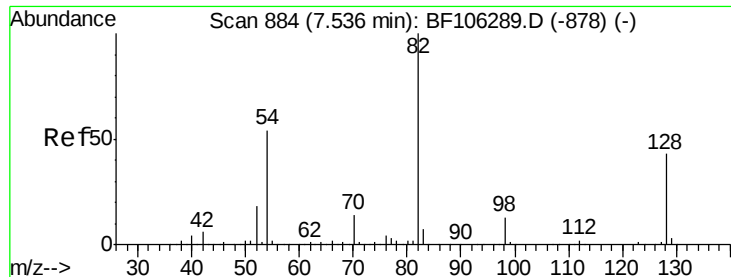
Delta R.T. -0.01 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Tgt Ion:	136	Resp:	626825
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.8	6.6	9.8
68	6.7	5.0	7.4





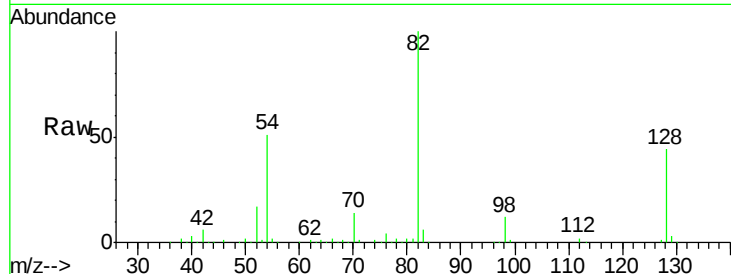
#23
Nitrobenzene-d5
Concen: 29.429 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Instrument :
BNA_F
ClientSampleId :
OK-02-061218

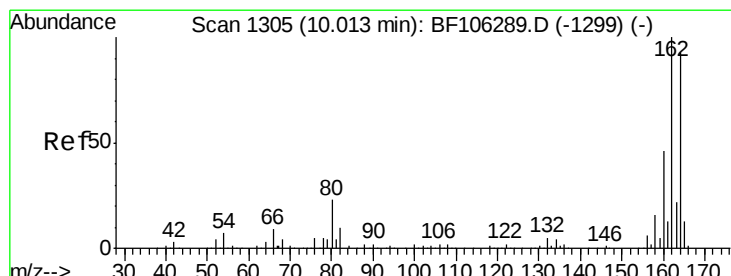
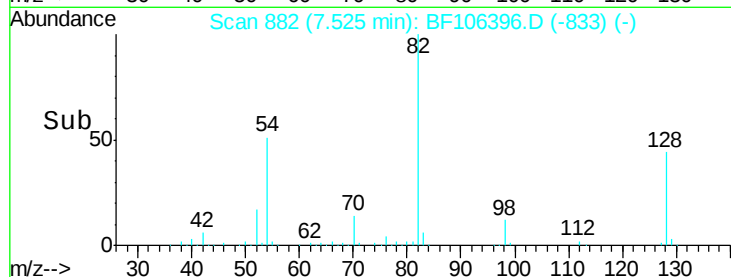
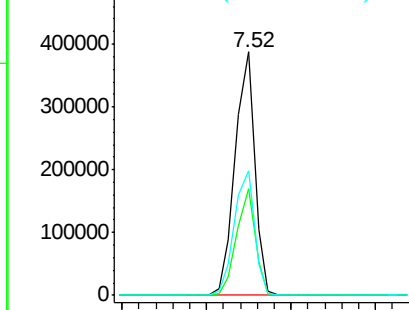
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	36.1	54.1	
54	51.3	41.4	62.2	

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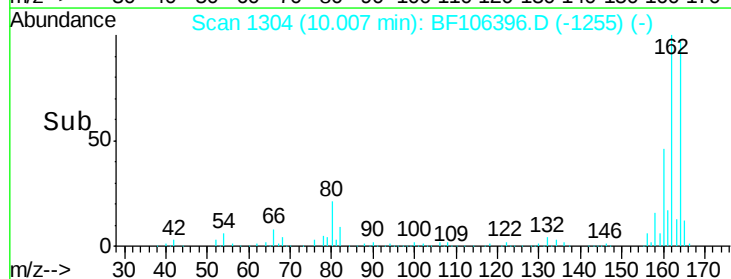
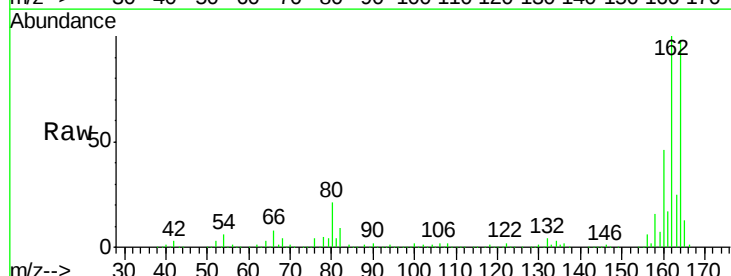
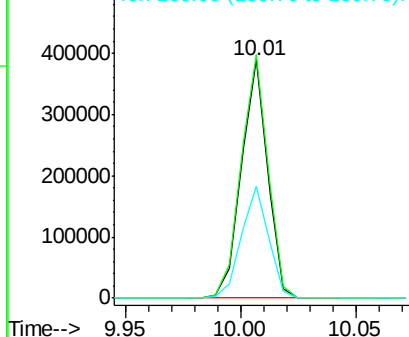
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

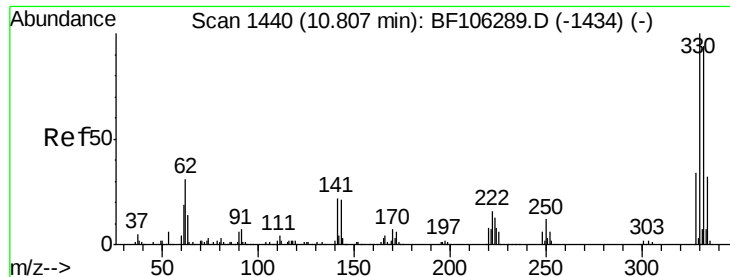


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	86.1	129.1	
160	47.1	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





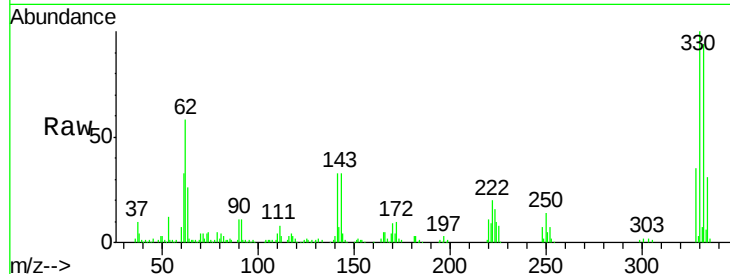
#41
 2,4,6-Tribromophenol
 Concen: 43.088 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF106396.D
 Acq: 13 Jun 2018 17:32

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-061218

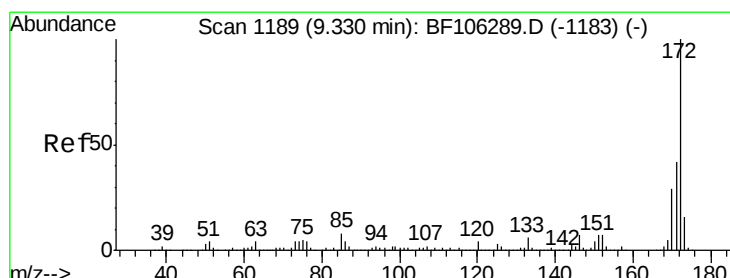
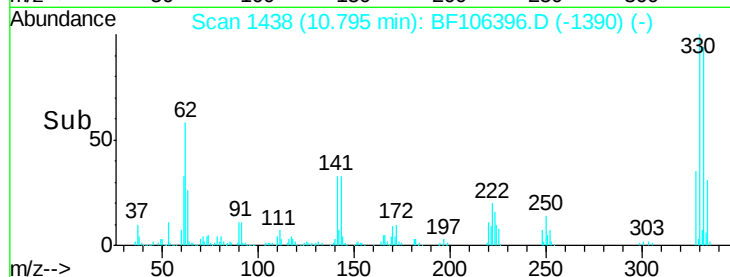
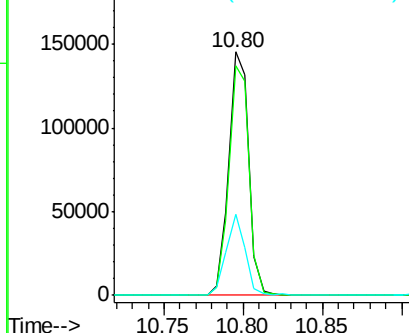
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	30.8	29.9	44.9

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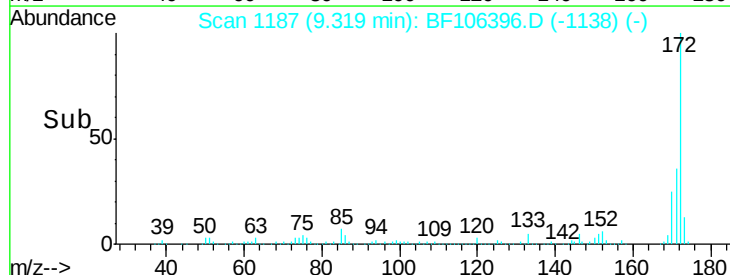
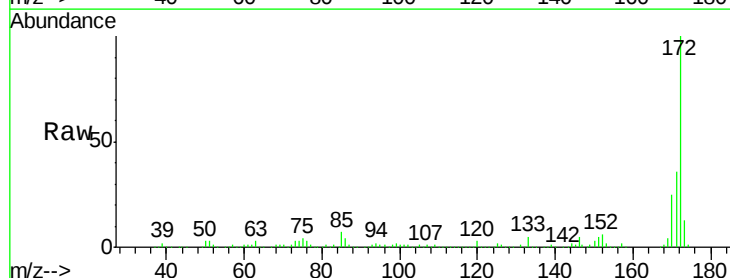
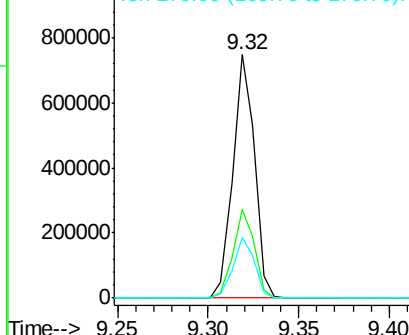
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

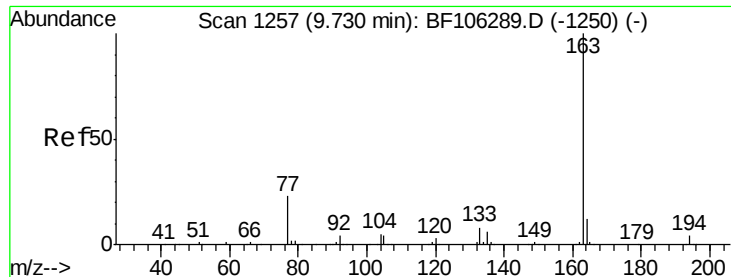


#44
 2-Fluorobiphenyl
 Concen: 25.843 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106396.D
 Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.9	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: 4.780 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Instrument :

BNA_F

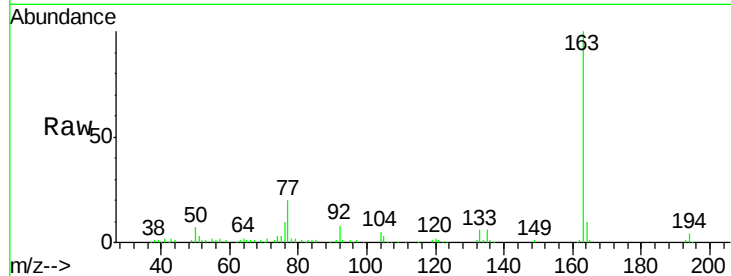
ClientSampleId :

OK-02-061218

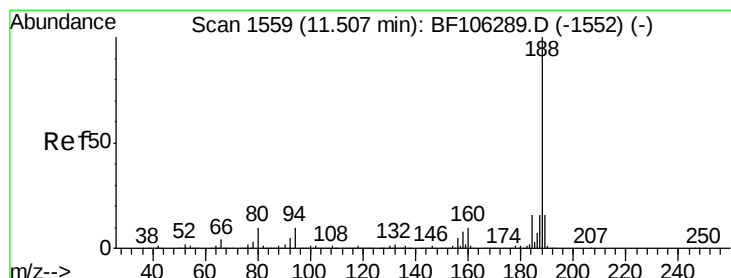
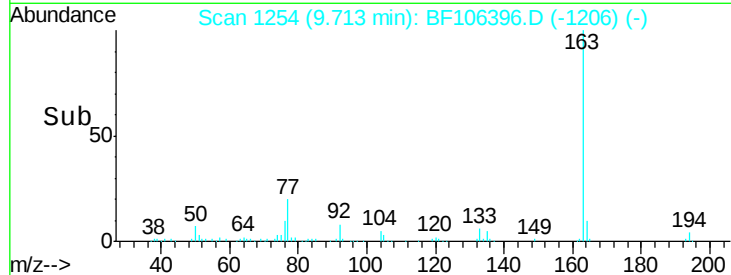
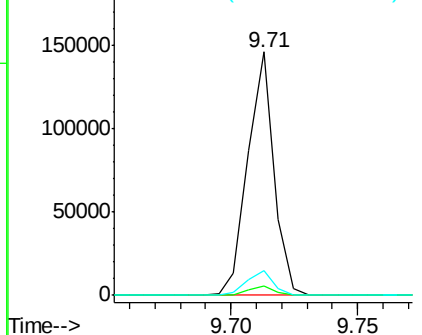
Tot Ion	Ratio	Resp	Lower	Upper
163	100	104895		
194	3.8	2.7	4.1	
164	9.9	8.2	12.2	

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



#63

Phenanthrene-d10

Concen: 20.000 ng

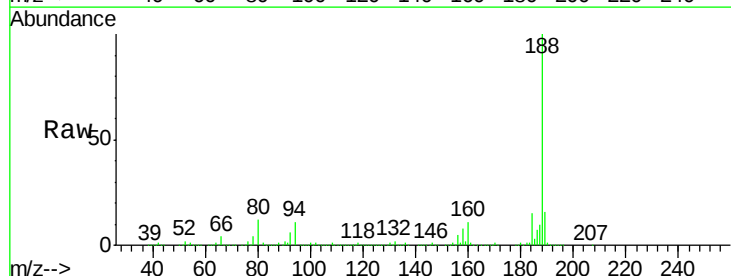
RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

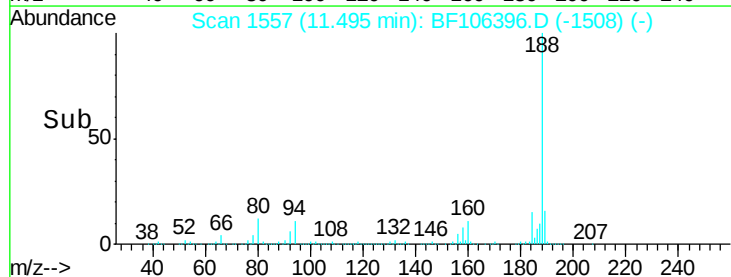
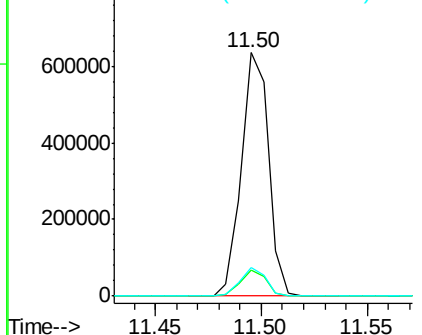
Lab File: BF106396.D

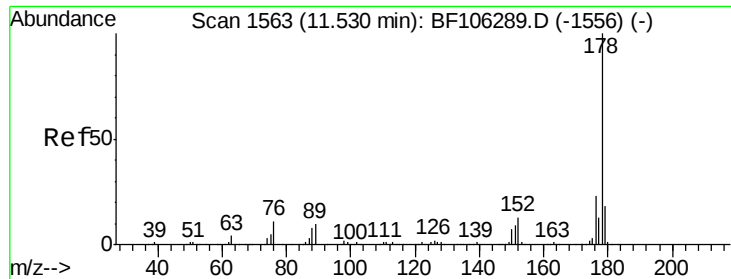
Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	566862		
94	10.9	8.5	12.7	
80	11.8	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





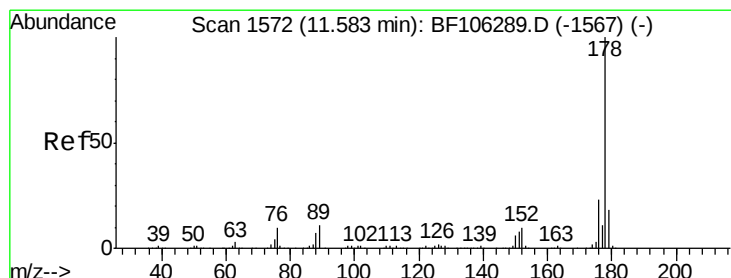
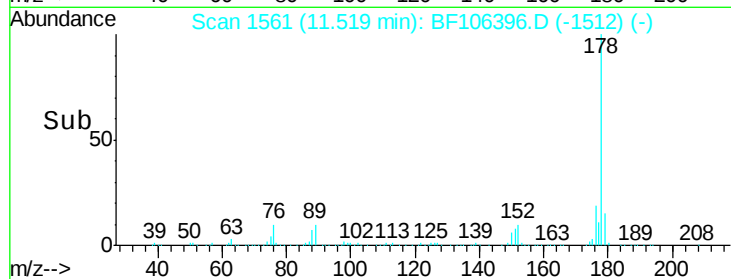
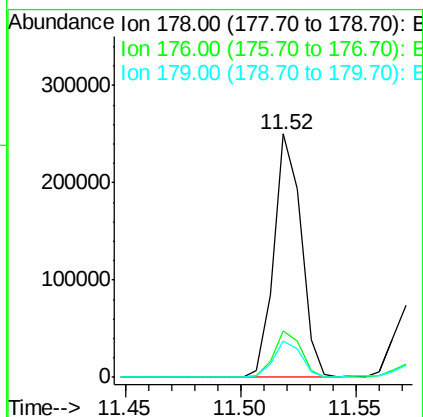
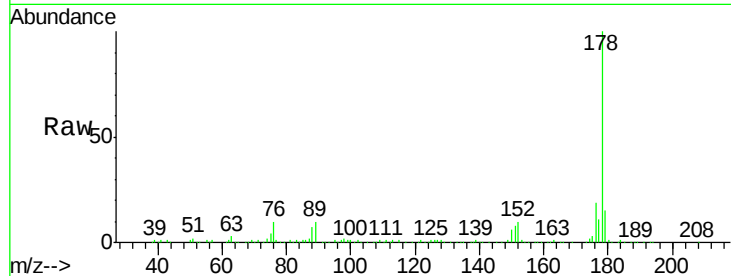
#70
Phenanthrene
Concen: 7.381 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Instrument :
BNA_F
ClientSampleId :
OK-02-061218

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.1	13.0	19.6

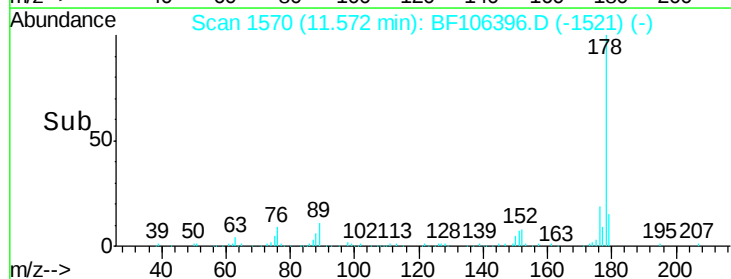
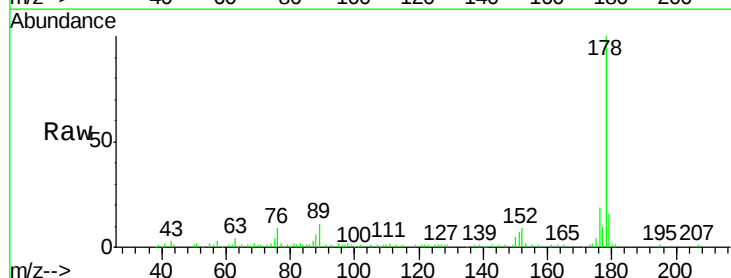
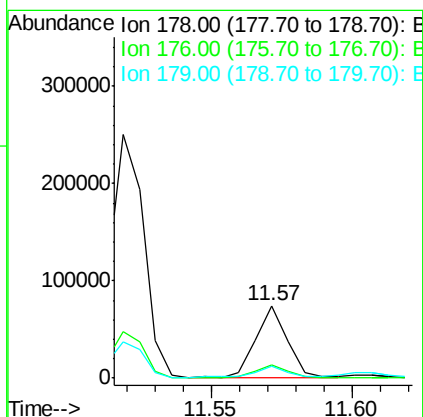
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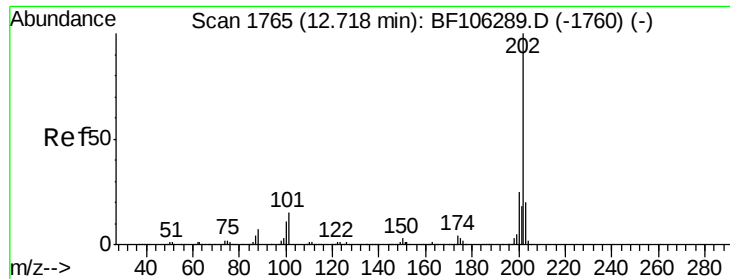
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#71
Anthracene
Concen: 2.037 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 11.043 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Instrument :

BNA_F

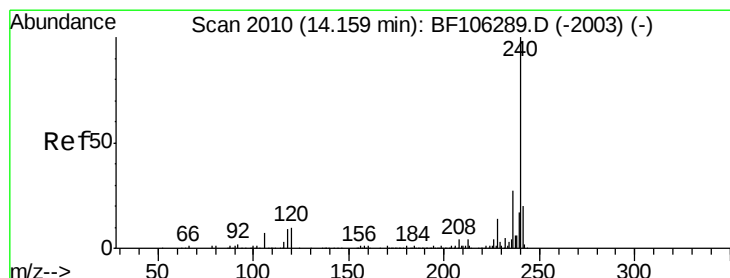
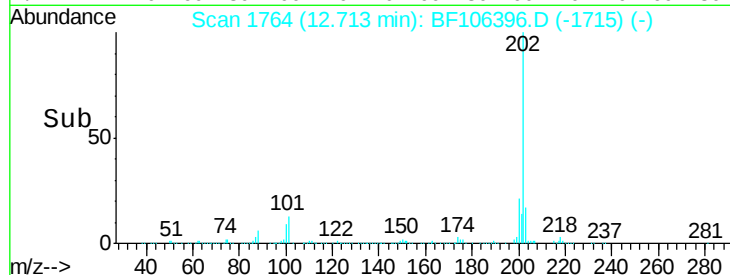
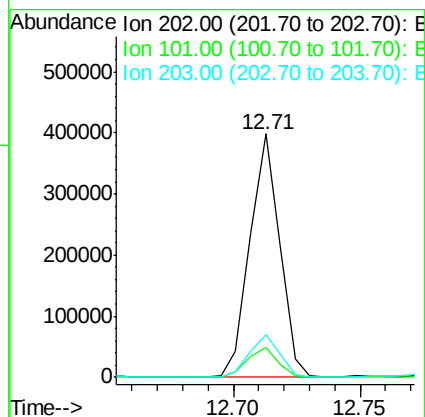
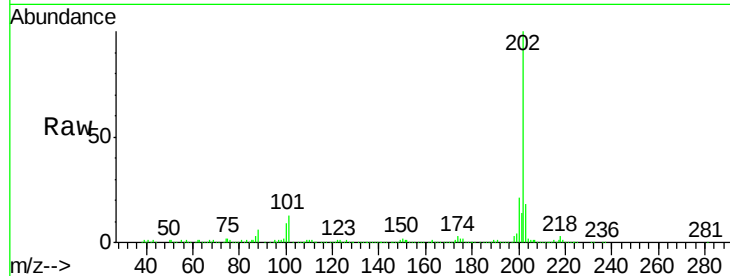
ClientSampleId :

OK-02-061218

Tot Ion:	202	Resp:	326939
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

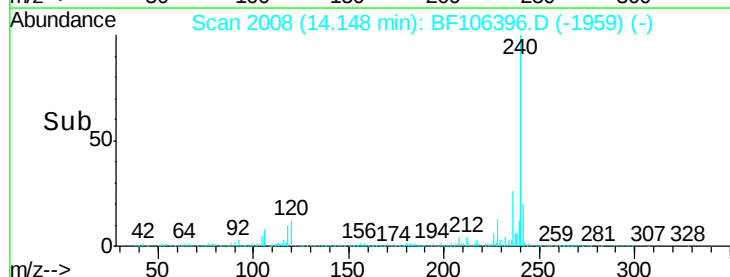
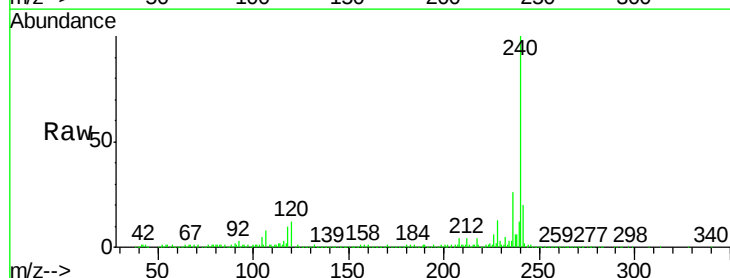
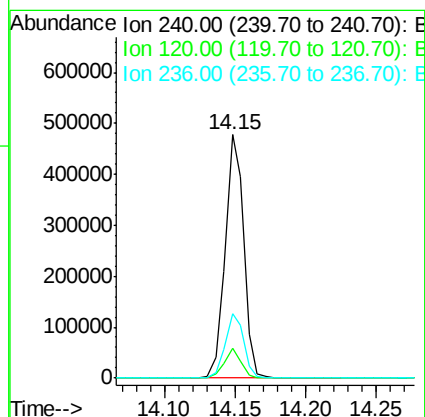
RT: 14.15 min Scan# 2008

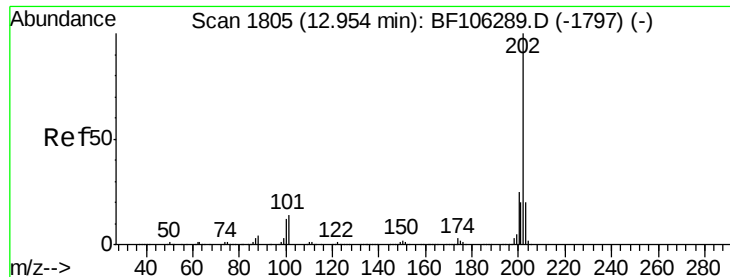
Delta R.T. -0.01 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Tgt Ion:	240	Resp:	434903
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	26.4	20.7	31.1





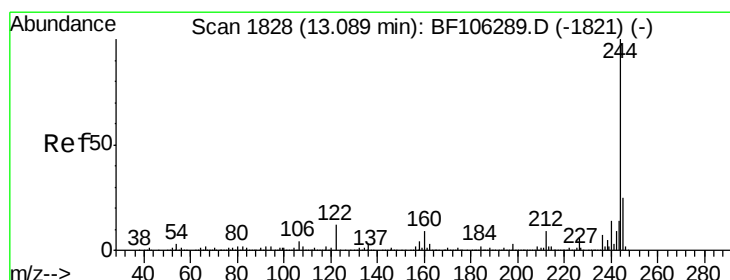
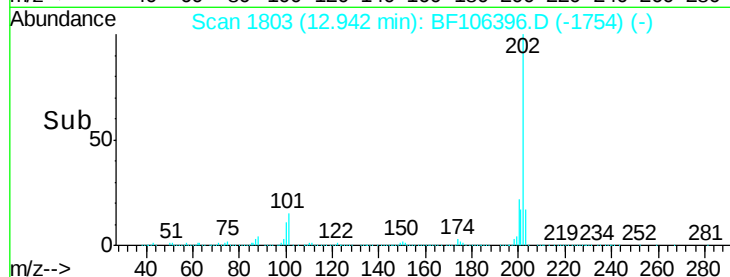
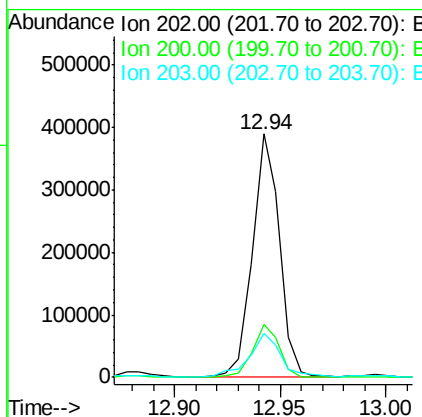
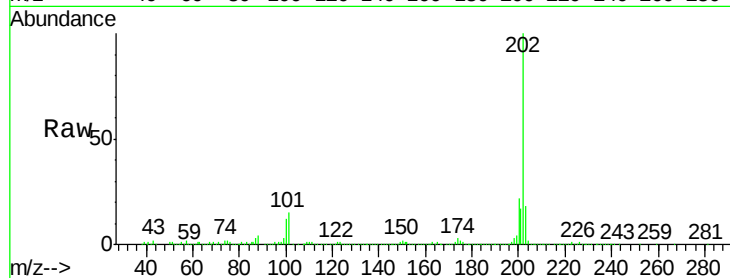
#77
Pvrene
Concen: 12.677 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Instrument :
BNA_F
ClientSampleId :
OK-02-061218

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5

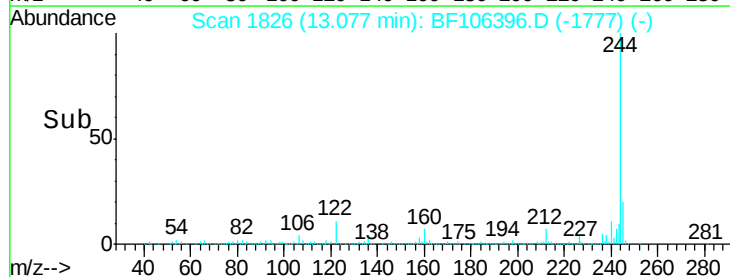
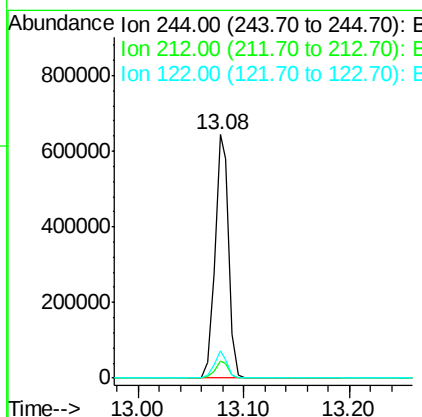
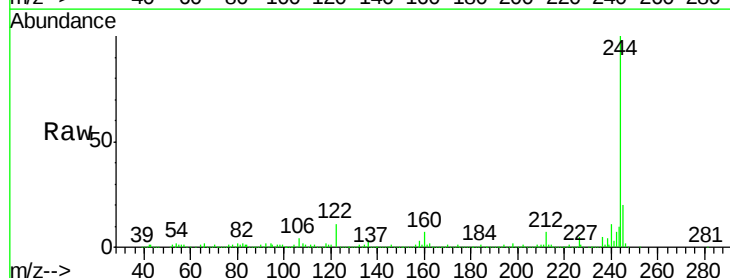
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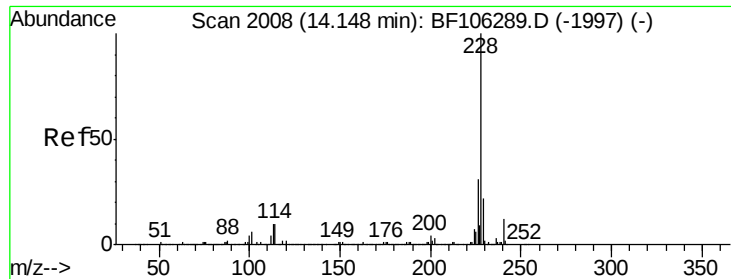
Sohil
6/14/2018 2:47:43 PM



#78
Terphenyl-d14
Concen: 33.726 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.2	11.0	16.4





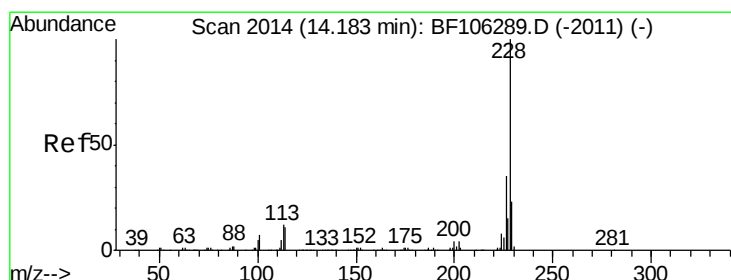
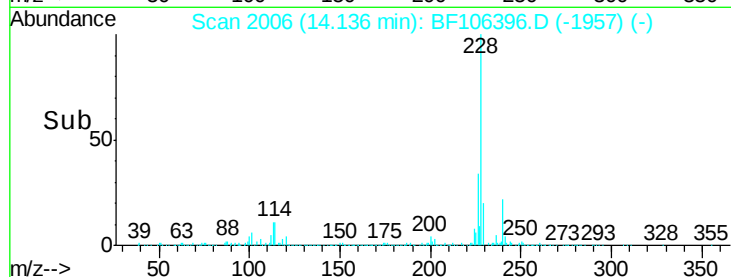
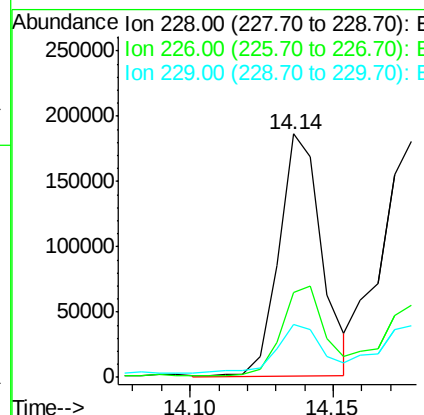
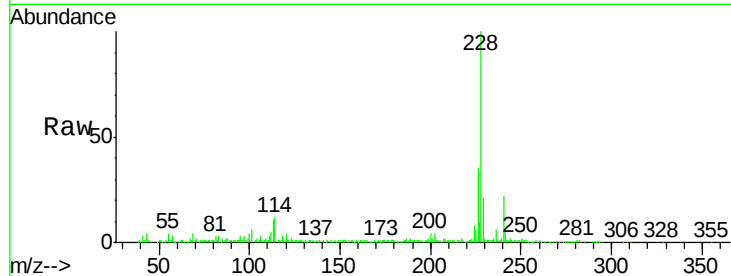
#80
Benzo(a)anthracene
Concen: 7.522 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Instrument :
BNA_F
ClientSampleId :
OK-02-061218

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.6	33.8#
229	21.5	15.8	23.6

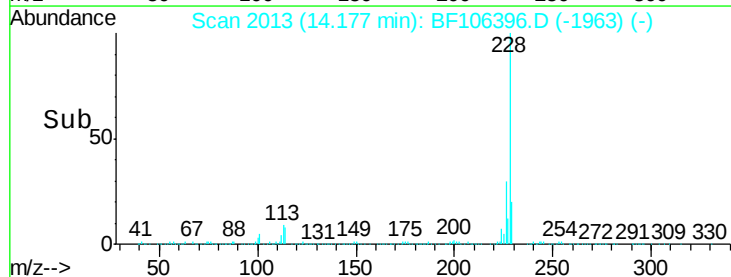
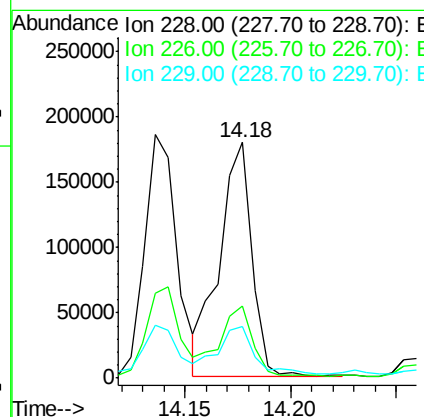
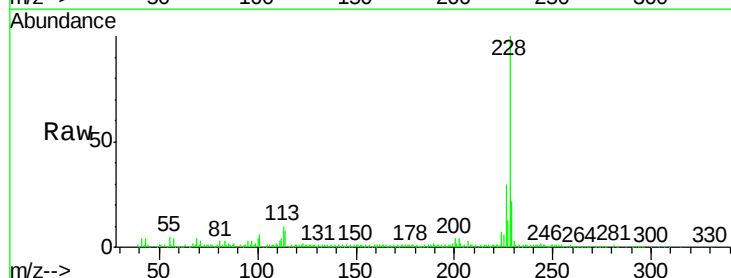
Manual Integrations
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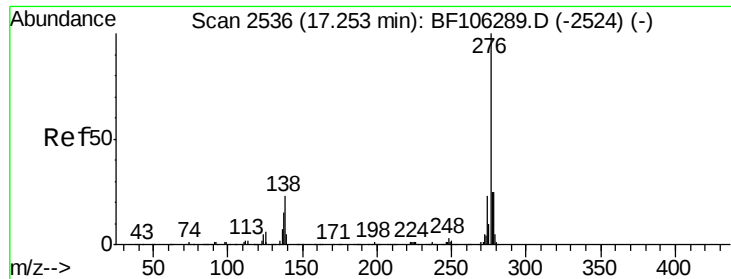
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#82
Chrysene
Concen: 8.093 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.0	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.205 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Instrument :

BNA_F

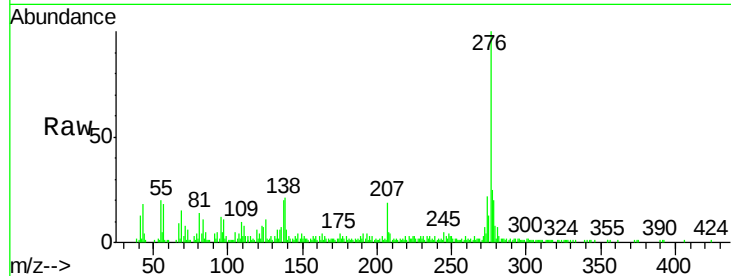
ClientSampleId :

OK-02-061218

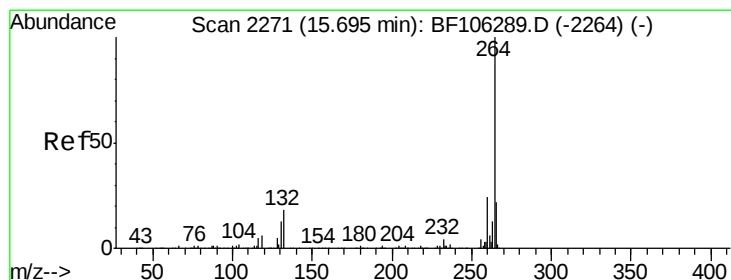
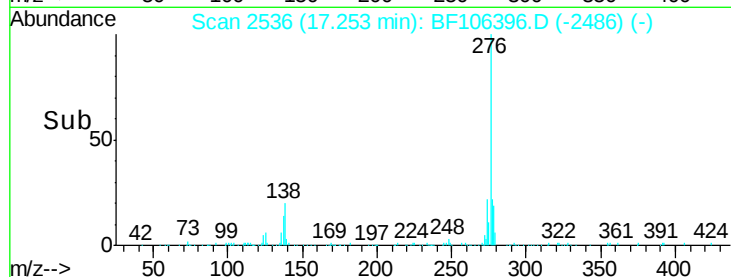
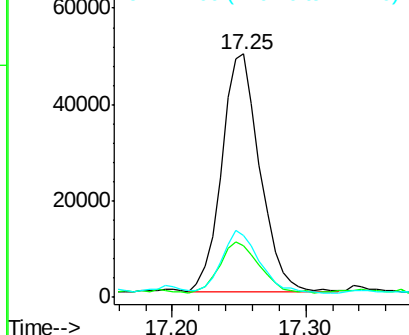
Tot Ion:	276	Resp:	98149
Ion Ratio	Lower	Upper	
276	100		
138	21.9	25.0	37.6#
277	25.7	20.1	30.1

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

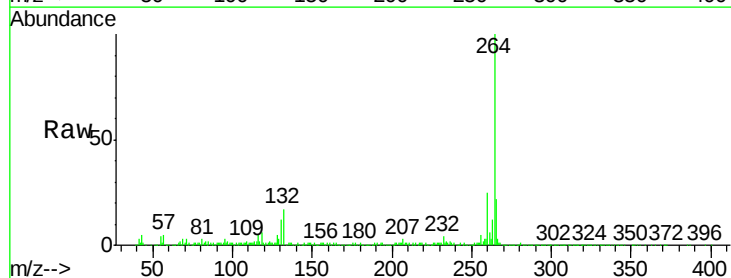
RT: 15.69 min Scan# 2271

Delta R.T. 0.01 min

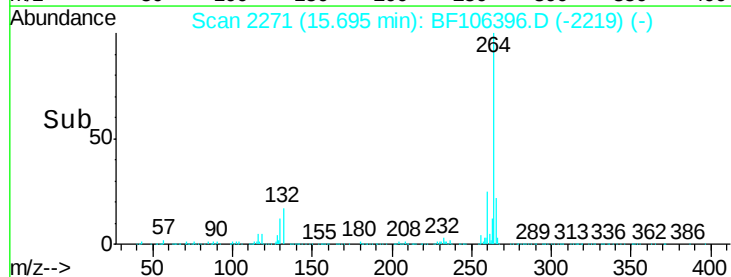
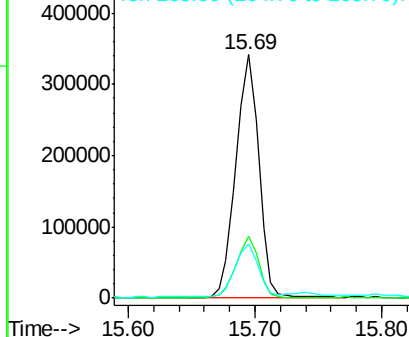
Lab File: BF106396.D

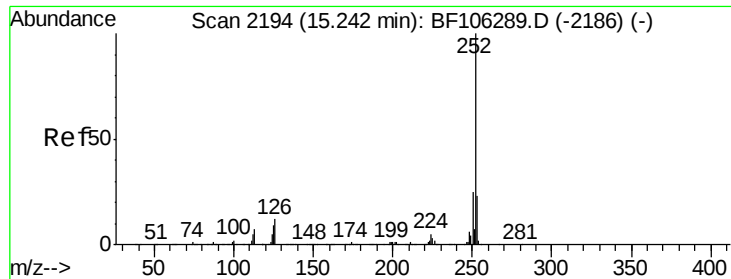
Acq: 13 Jun 2018 17:32

Tgt Ion:	264	Resp:	426902
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.2	28.8
265	22.2	17.5	26.3



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: 10.615 ng m

RT: 15.24 min Scan# 2193

Delta R.T. -0.00 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Instrument :

BNA_F

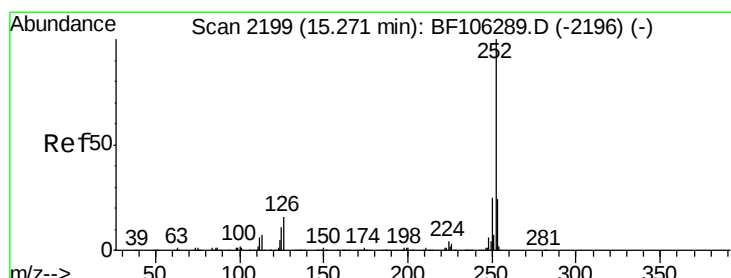
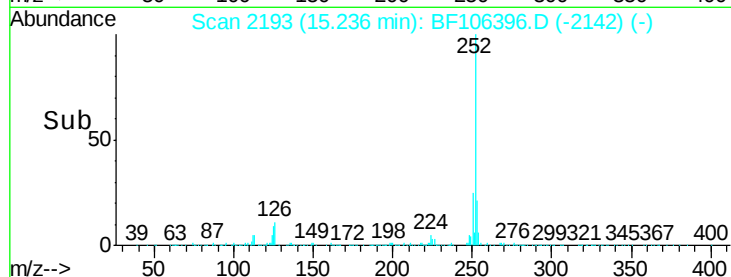
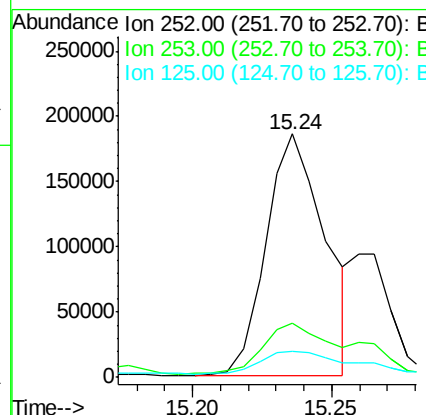
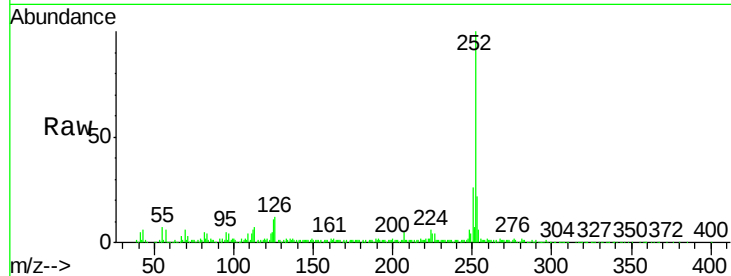
ClientSampleId :

OK-02-061218

Tot Ion:	252	Resp:	273925
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	10.7	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.593 ng m

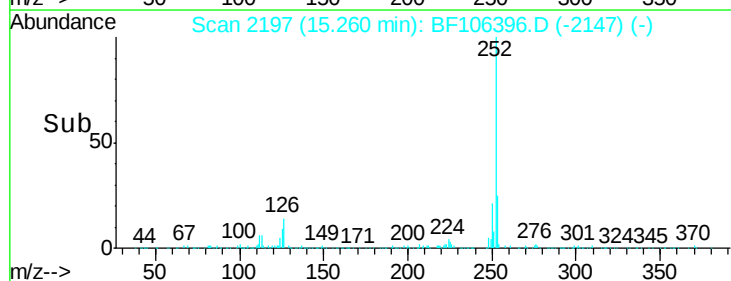
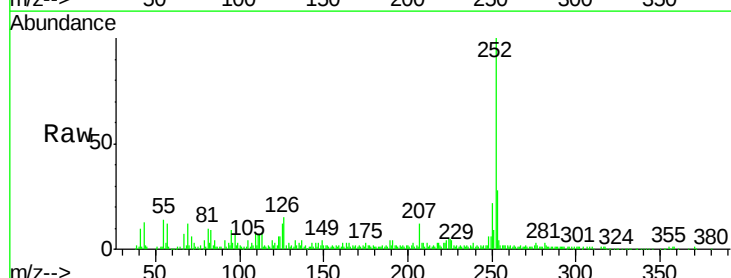
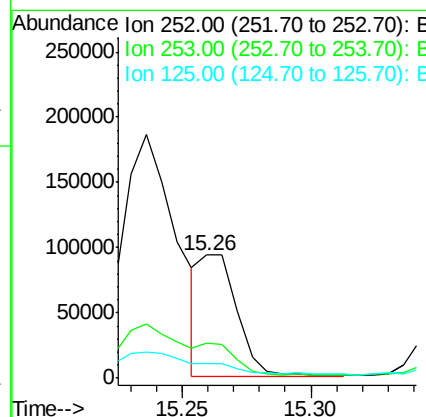
RT: 15.26 min Scan# 2197

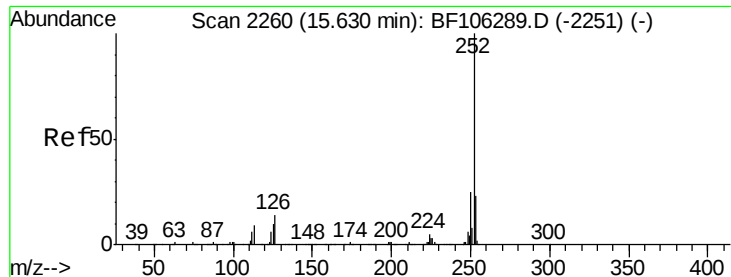
Delta R.T. -0.01 min

Lab File: BF106396.D

Acq: 13 Jun 2018 17:32

Tgt Ion:	252	Resp:	91823
Ion Ratio	Lower	Upper	
252	100		
253	28.1	17.9	26.9#
125	11.9	10.2	15.2





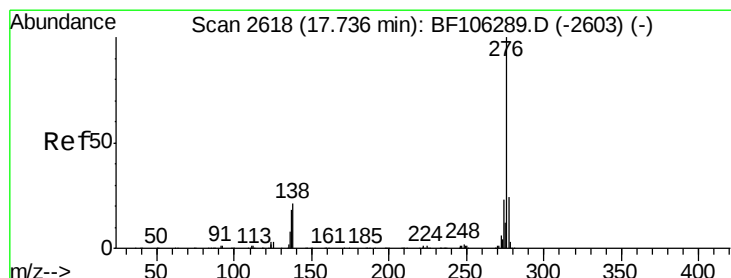
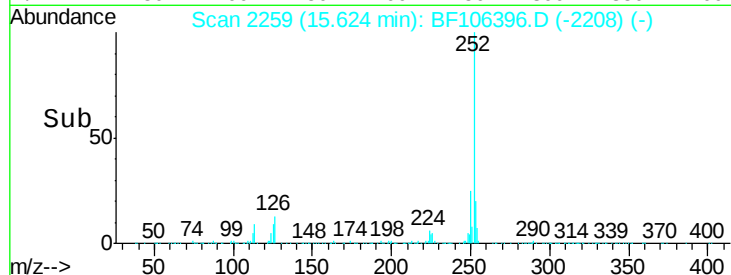
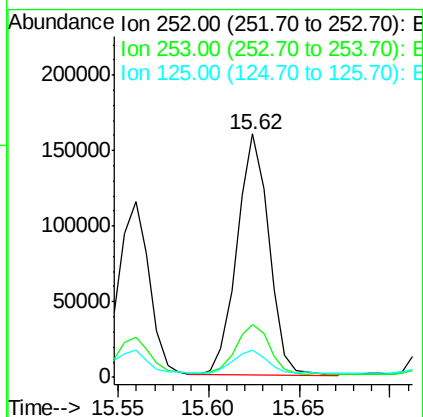
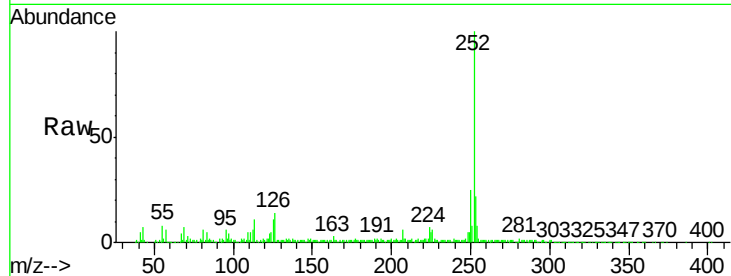
#89
Benzo(a)pyrene
Concen: 8.438 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Instrument :
BNA_F
ClientSampleId :
OK-02-061218

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	11.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.711 ng
RT: 17.73 min Scan# 2617
Delta R.T. -0.01 min
Lab File: BF106396.D
Acq: 13 Jun 2018 17:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.9	17.9	26.9
138	21.2	21.8	32.8#

