

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107416.D
 Acq On : 16 Jul 2018 21:34
 Operator : JU/SJ
 Sample : J3820-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-071218

Manual Integrations
 APPROVED

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 7/17/2018 4:53:05 PM

Quant Time: Jul 17 02:01:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	165022	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	604677	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	286803	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	539357	20.00	ng	0.00
75) Chrysene-d12	14.16	240	488020	20.00	ng	0.00
86) Perylene-d12	15.69	264	453142	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	911820	83.92	ng	0.00
7) Phenol-d6	6.60	99	1188046	84.57	ng	0.00
23) Nitrobenzene-d5	7.54	82	841983	74.25	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	226560	89.91	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1333481	76.43	ng	0.00
78) Terphenyl-d14	13.10	244	1226886	62.46	ng	0.00
Target Compounds						
10) Phenol	6.61	94	38332	2.545	ng	72
49) Dimethylphthalate	9.72	163	251987	11.058	ng	98
70) Phenanthrene	11.54	178	231023	8.595	ng	98
74) Fluoranthene	12.73	202	251796	8.242	ng	92
77) Pyrene	12.96	202	355371	10.708	ng	94
80) Benzo(a)anthracene	14.15	228	141231m	4.730	ng	
82) Chrysene	14.18	228	192235	6.739	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	54844	2.701	ng	96
87) Benzo(b)fluoranthene	15.23	252	144273m	5.440	ng	
88) Benzo(k)fluoranthene	15.26	252	64346m	2.486	ng	
89) Benzo(a)pyrene	15.62	252	139170	5.717	ng	99
91) Benzo(a,h,i)perylene	17.72	276	62345	3.340	ng	95

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

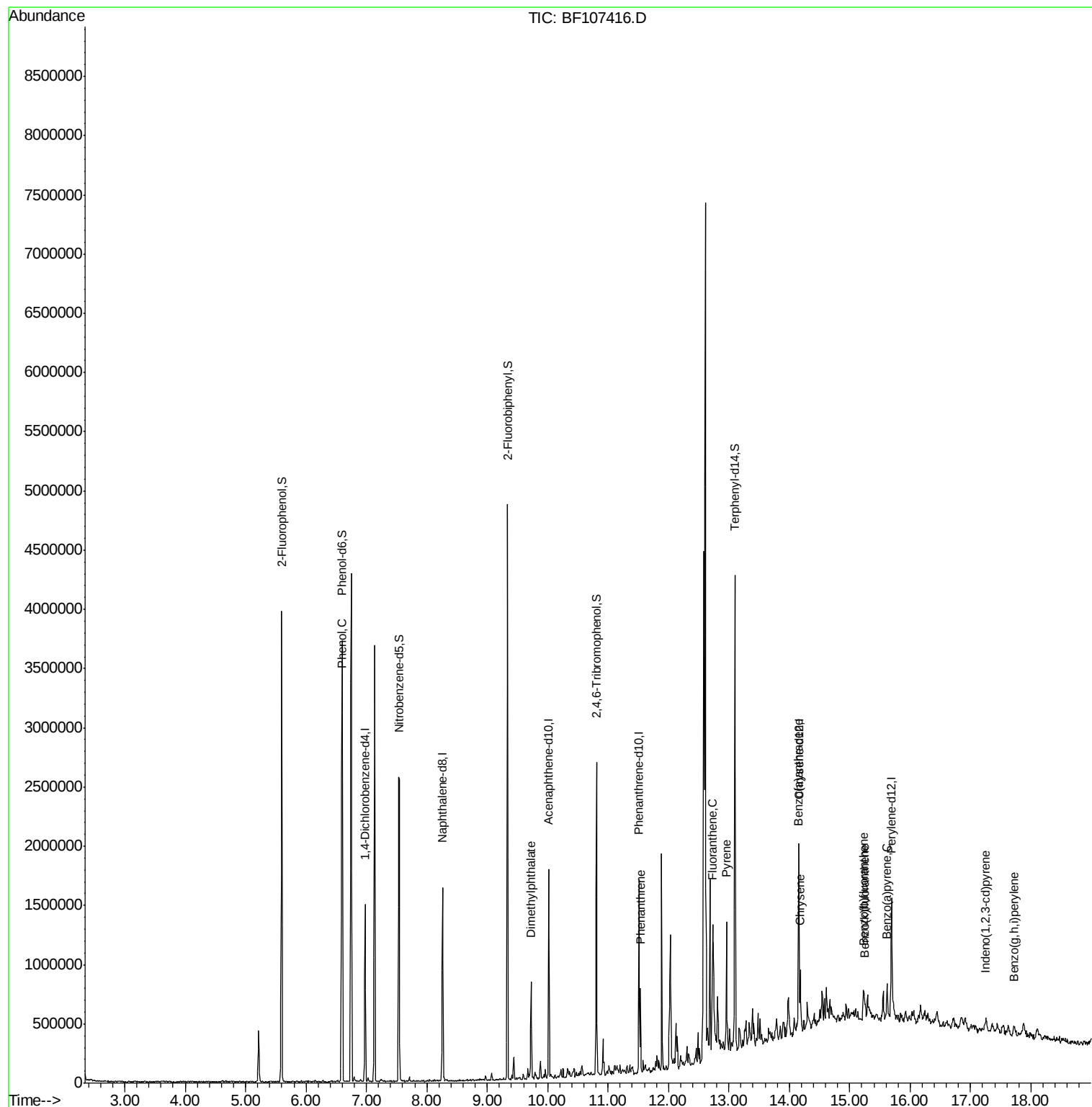
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107416.D
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ALS Vial : 8 Sample Multiplier: 1

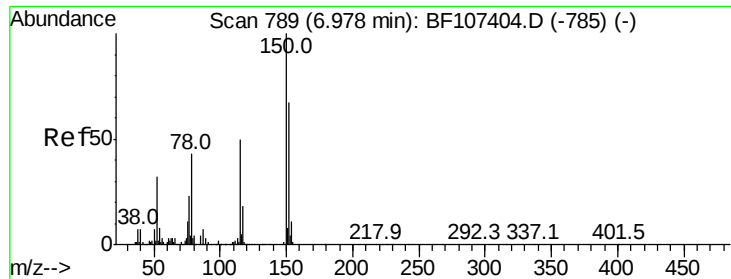
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

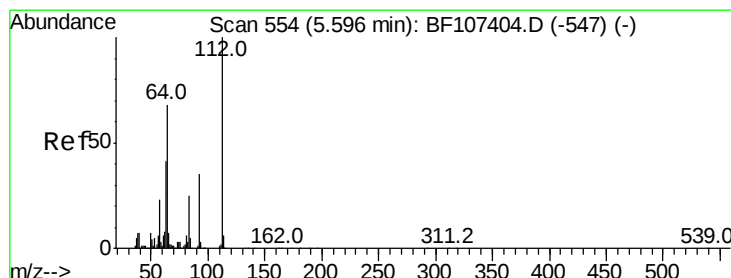
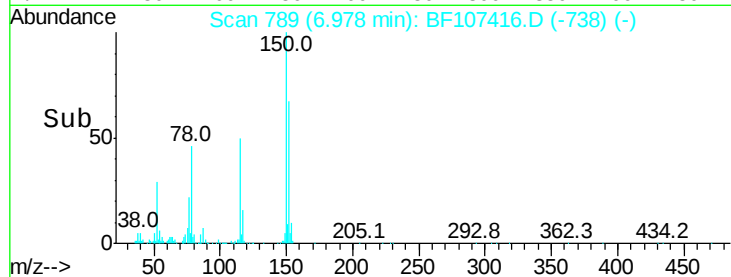
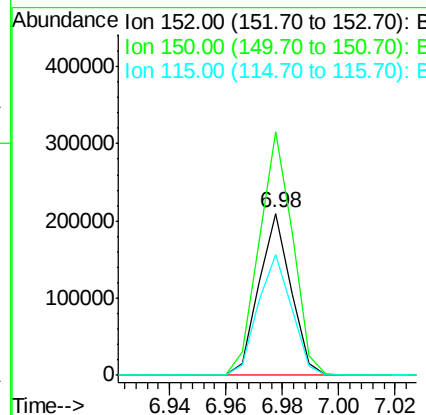
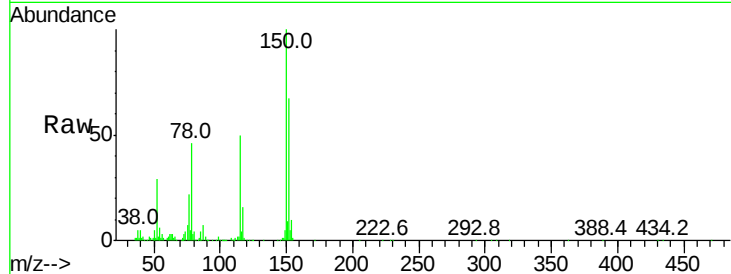
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
BU-02-071218

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	124.6	186.8
115	74.9	50.1	75.1

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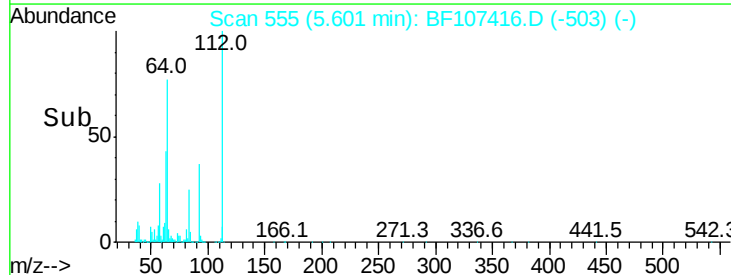
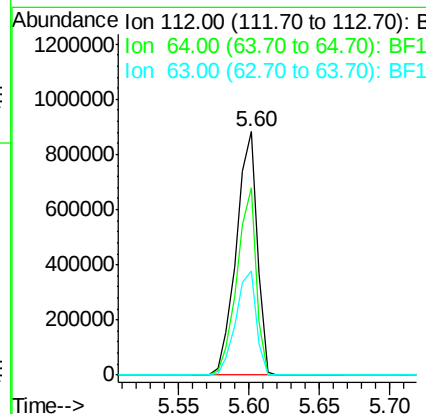
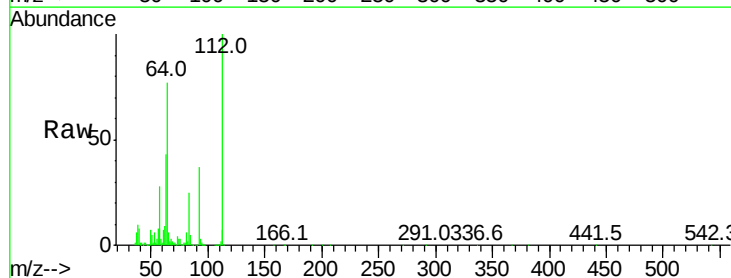
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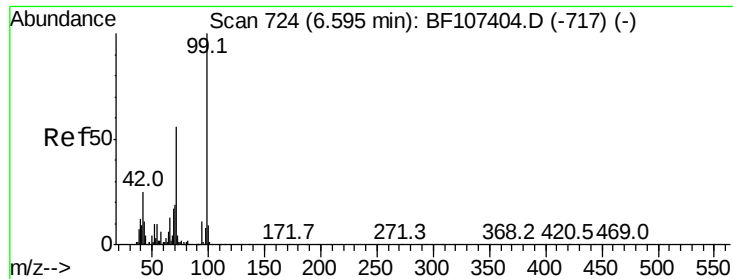


#5

2-Fluorophenol
Concen: 83.917 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.7	47.9	71.9#
63	42.9	23.7	35.5#





#7

Phenol-d6

Concen: 84.570 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

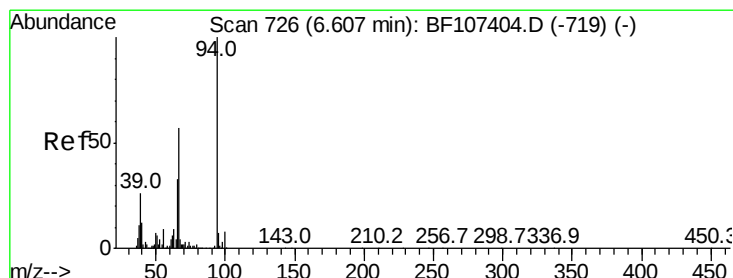
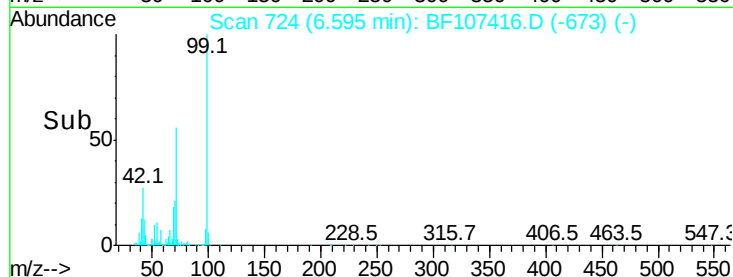
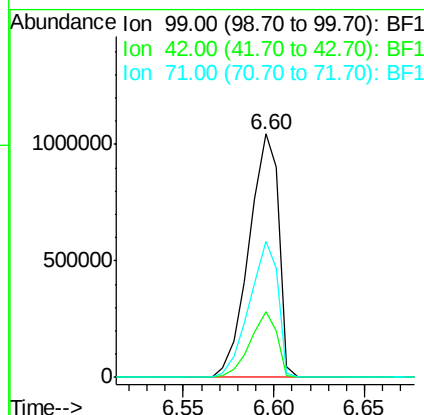
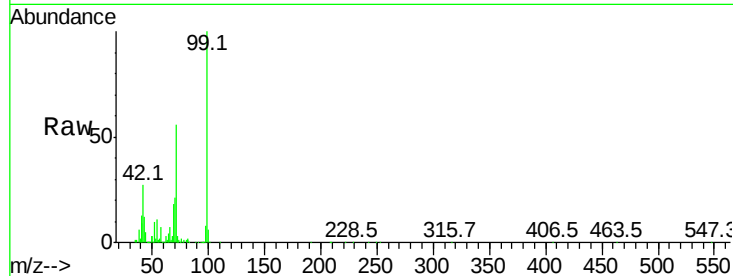
ClientSampleId :

BU-02-071218

Tot Ion:	99	Resp:	1188046
Ion	Ratio	Lower	Upper
99	100		
42	26.8	14.5	21.7#
71	55.9	25.4	38.0#

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#10

Phenol

Concen: 2.545 ng

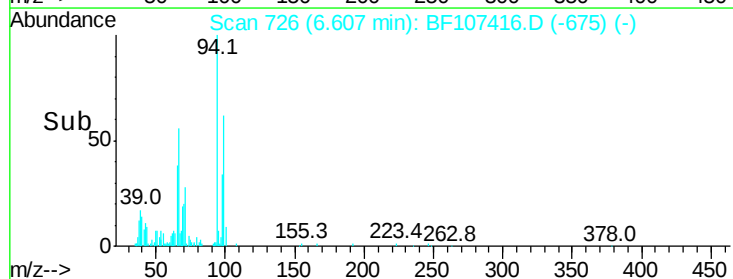
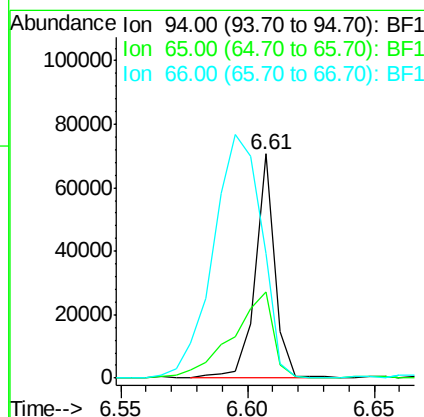
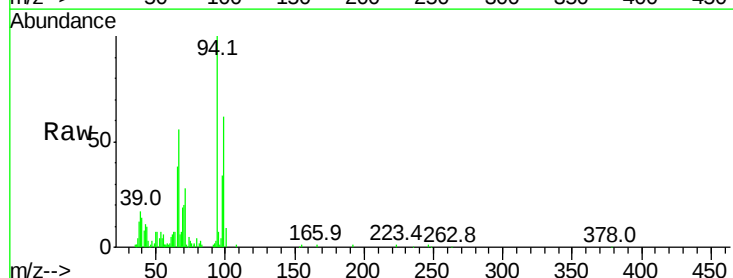
RT: 6.61 min Scan# 726

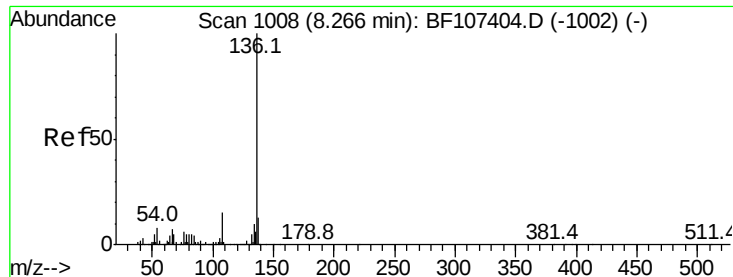
Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion:	94	Resp:	38332
Ion	Ratio	Lower	Upper
94	100		
65	38.4	7.9	47.9
66	55.9	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

ClientSampled :

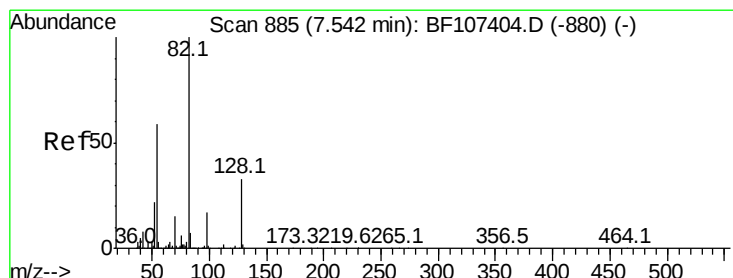
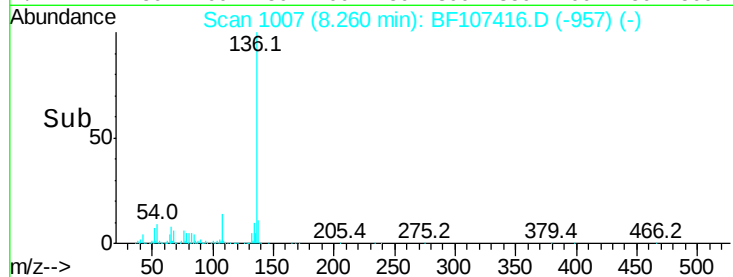
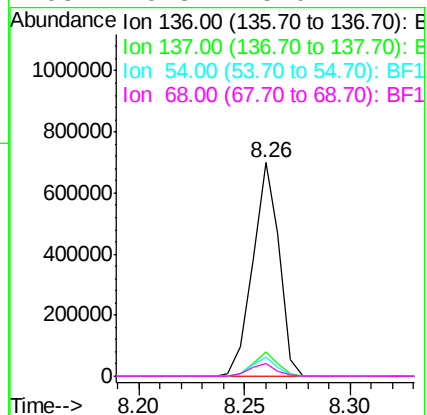
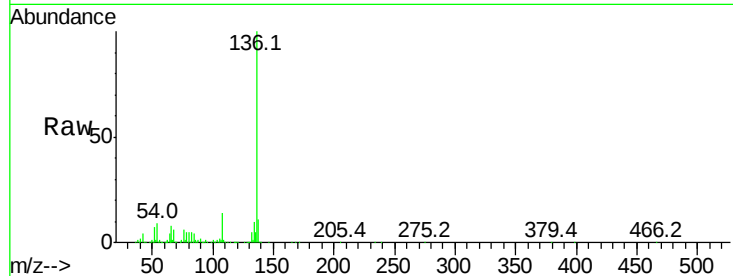
BU-02-071218

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.9	6.6	9.8
68	6.3	5.0	7.4

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#23

Nitrobenzene-d5

Concen: 74.251 ng

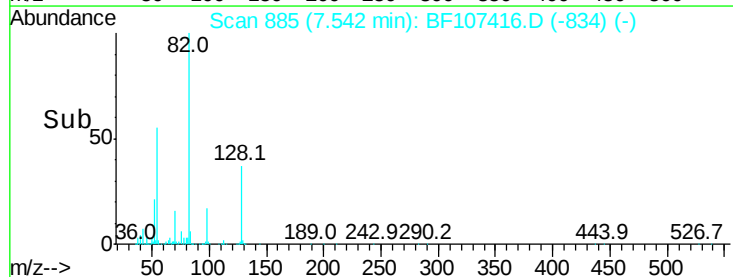
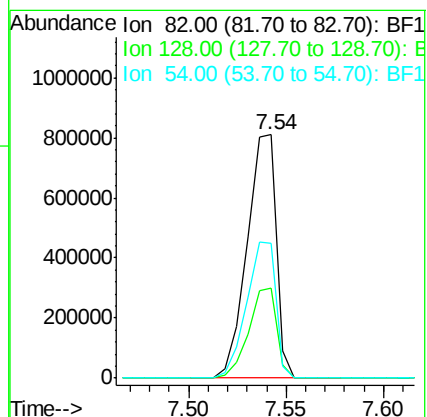
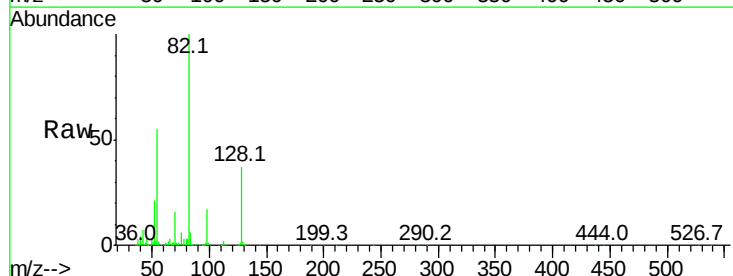
RT: 7.54 min Scan# 885

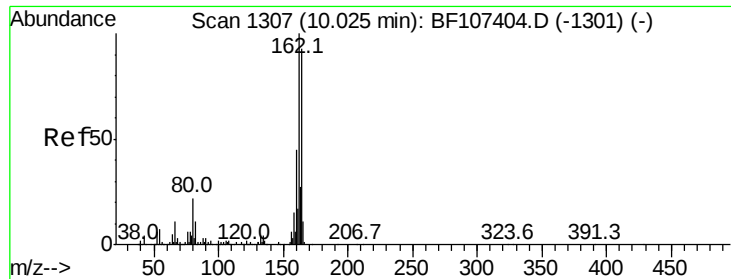
Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	36.9	36.1	54.1
54	55.2	41.4	62.2





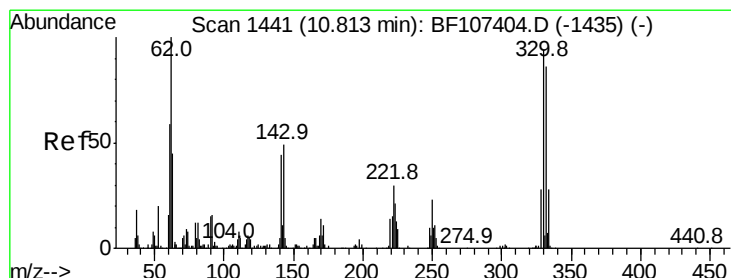
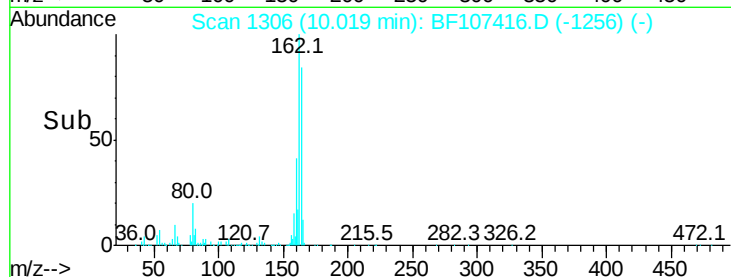
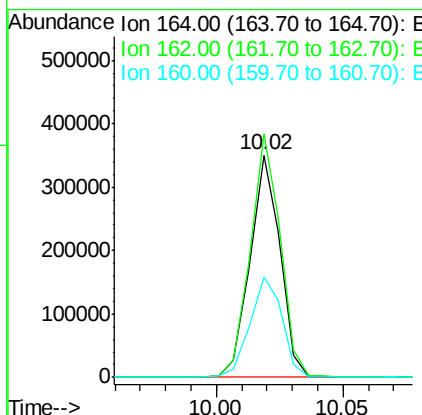
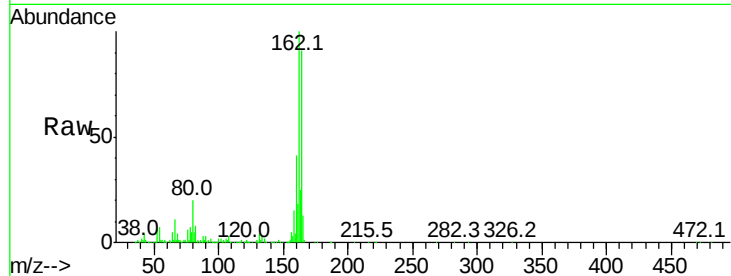
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Instrument :
BNA_F
ClientSampled :
BU-02-071218

Tot Ion	Ratio	Lower	Upper
164	100		
162	109.6	86.1	129.1
160	45.4	38.3	57.5

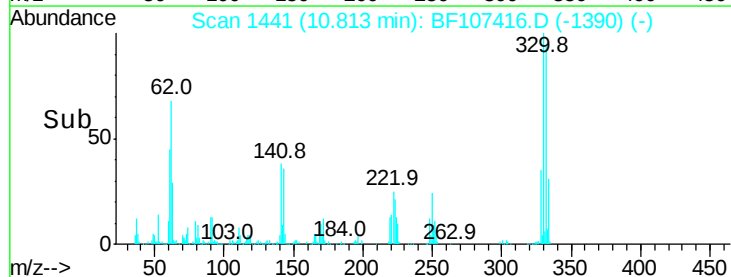
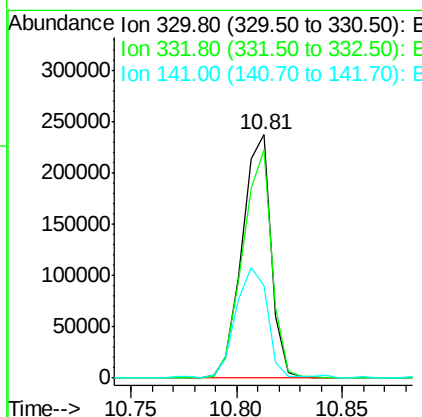
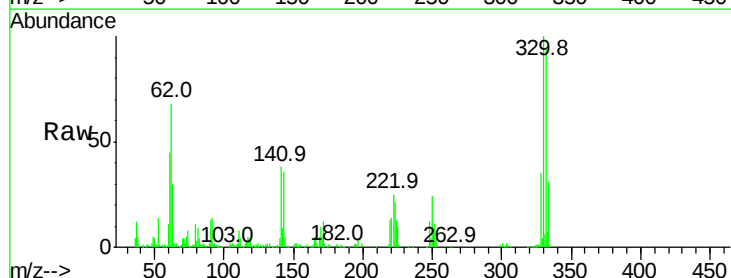
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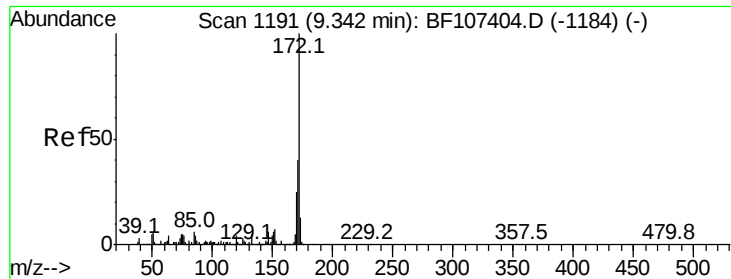
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#41
2,4,6-Tribromophenol
Concen: 89.908 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.1	77.0	115.6
141	50.6	29.9	44.9#





#44

2-Fluorobiphenyl

Concen: 76.429 ng

RT: 9.34 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

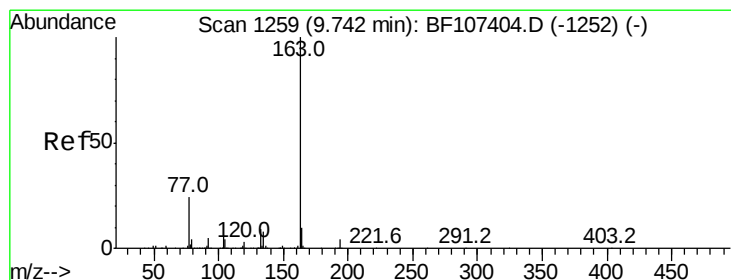
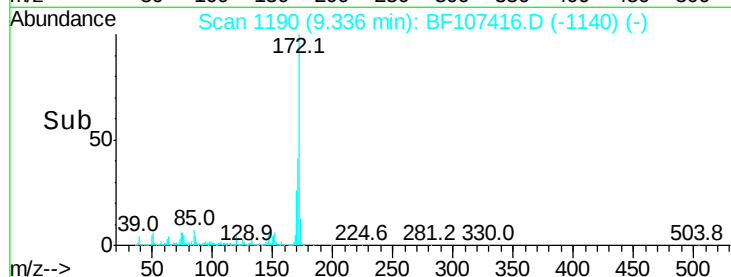
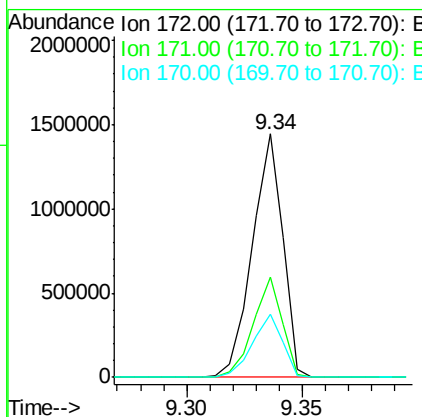
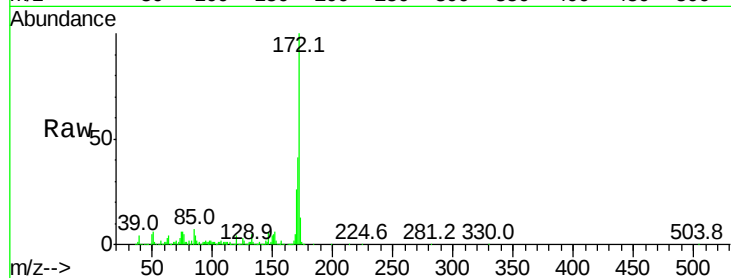
ClientSampleId :

BU-02-071218

Tot Ion:	172	Resp:	1333481
Ion	Ratio	Lower	Upper
172	100		
171	41.1	29.7	44.5
170	25.8	19.6	29.4

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#49

Dimethylphthalate

Concen: 11.058 ng

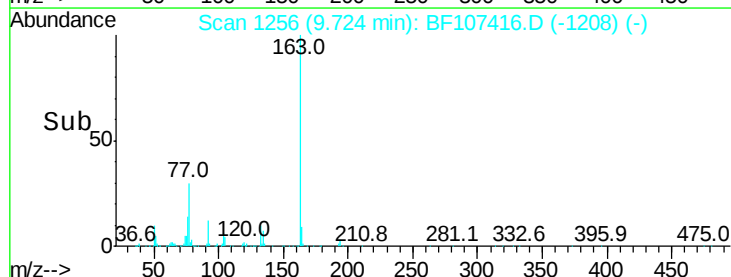
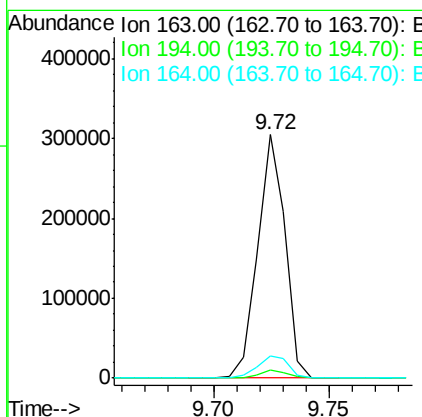
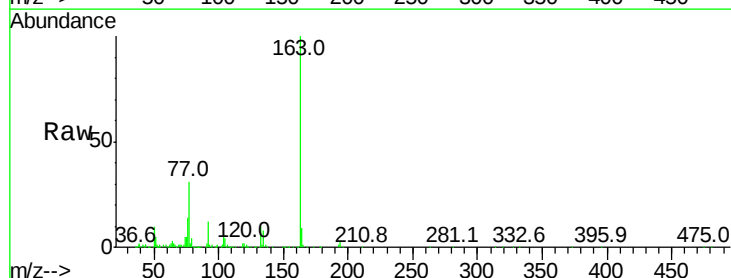
RT: 9.72 min Scan# 1256

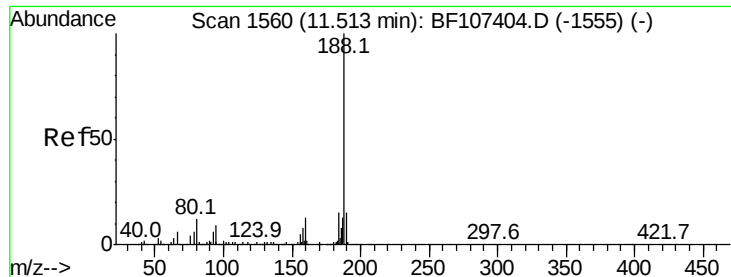
Delta R.T. -0.02 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion:	163	Resp:	251987
Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	9.1	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

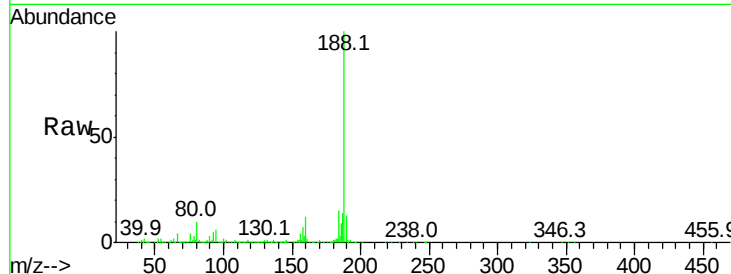
ClientSampleId :

BU-02-071218

Tot Ion:	188	Resp:	539357
Ion Ratio	Lower	Upper	
188	100		
94	6.1	8.5	12.7#
80	10.4	9.2	13.8

Manual Integrations
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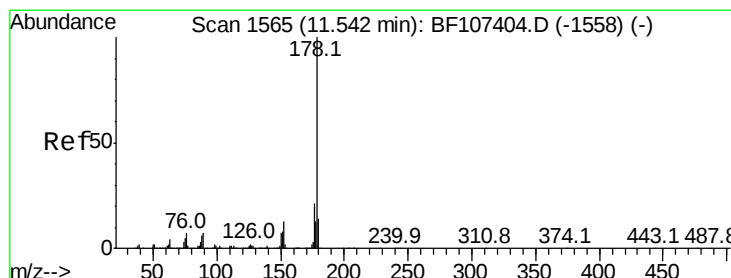
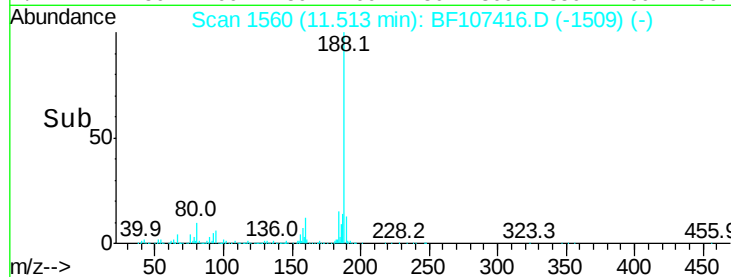
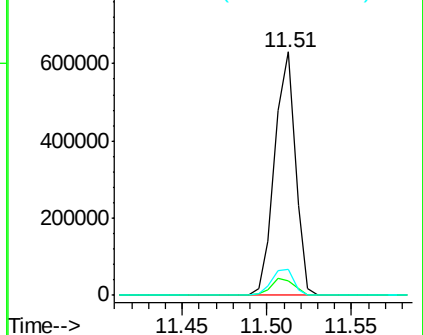
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 8.595 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF107416.D

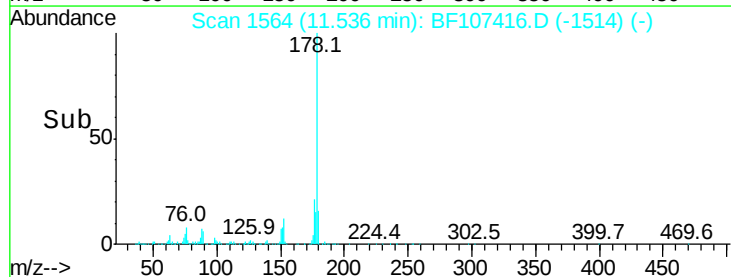
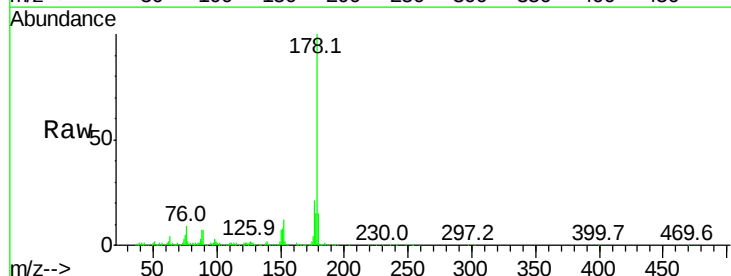
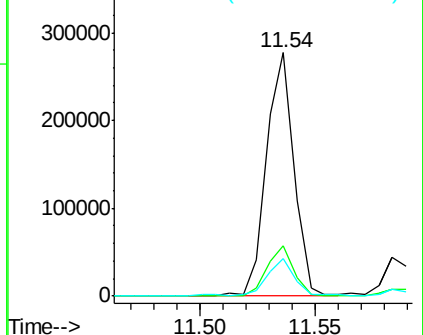
Acq: 16 Jul 2018 21:34

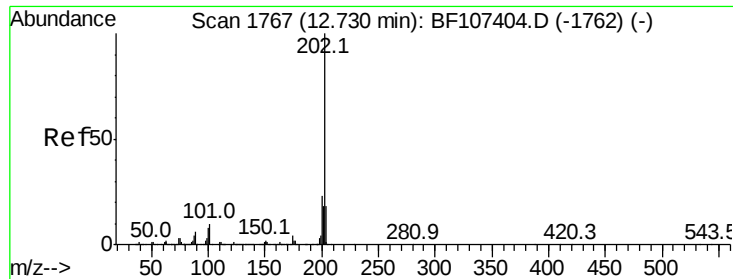
Tgt Ion:	178	Resp:	231023
Ion Ratio	Lower	Upper	
178	100		
176	20.9	15.8	23.8
179	15.5	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.242 ng

RT: 12.73 min Scan# 1767

Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

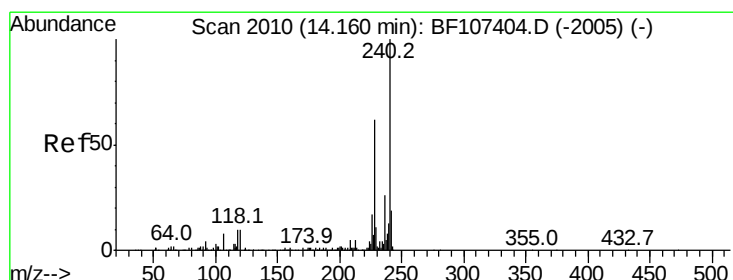
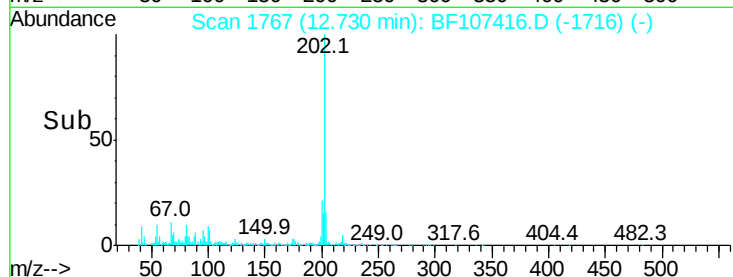
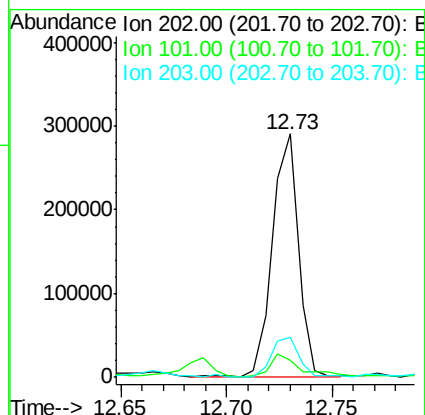
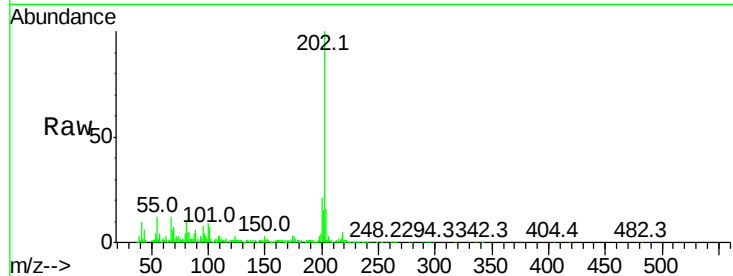
ClientSampleId :

BU-02-071218

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.4	0.0	34.1
203	16.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

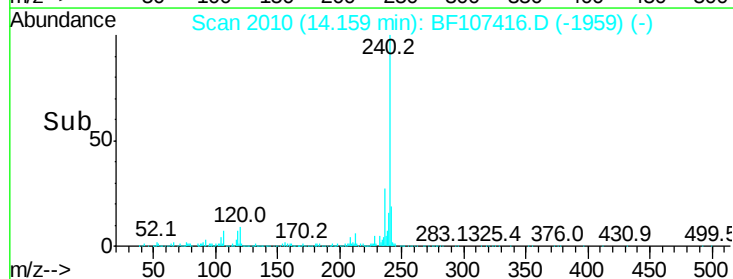
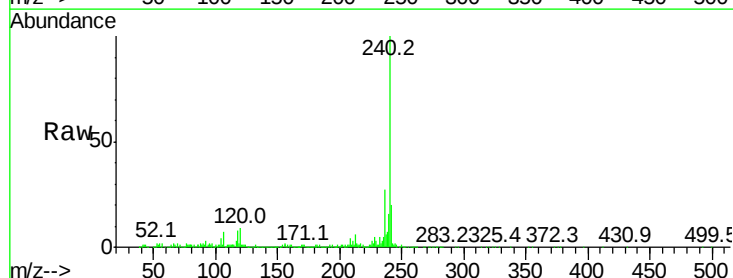
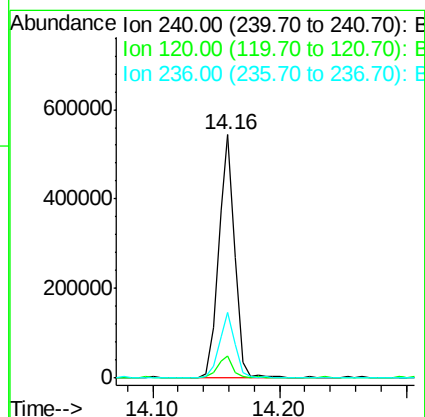
RT: 14.16 min Scan# 2010

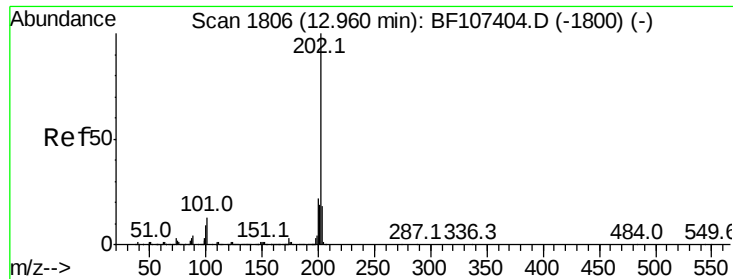
Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	27.0	20.7	31.1





#77

Pvrene

Concen: 10.708 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

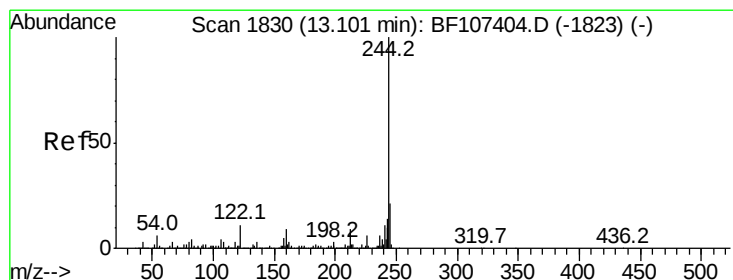
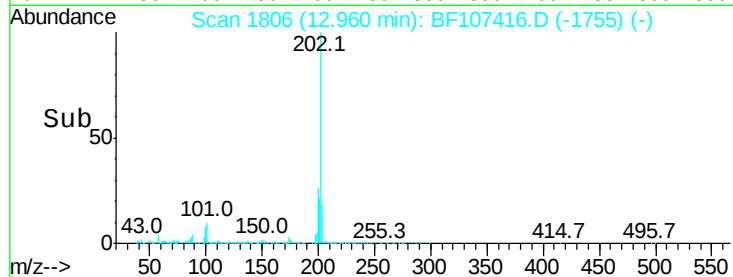
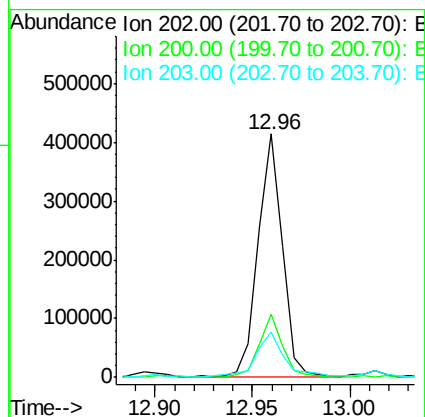
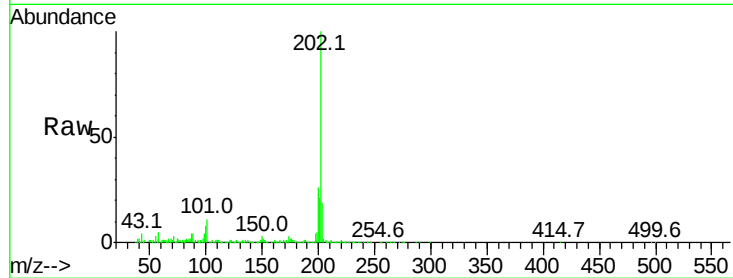
ClientSampleId :

BU-02-071218

Tot Ion:	202	Resp:	355371
Ion Ratio		Lower	Upper
202	100		
200	26.1	17.4	26.2
203	18.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 62.462 ng

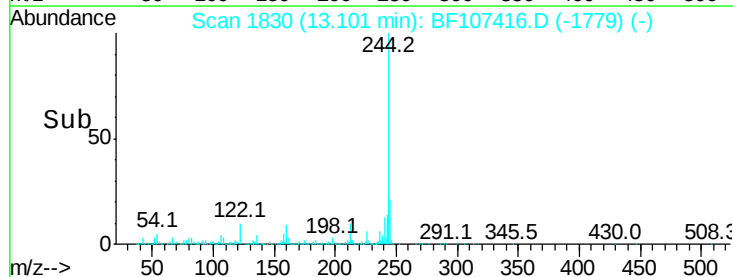
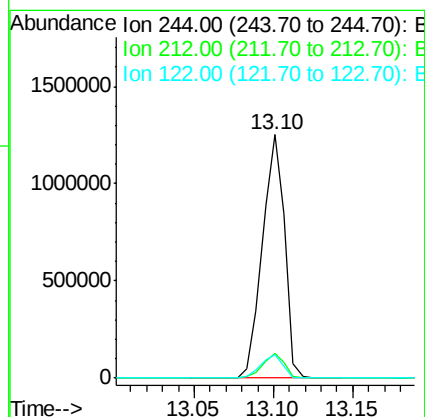
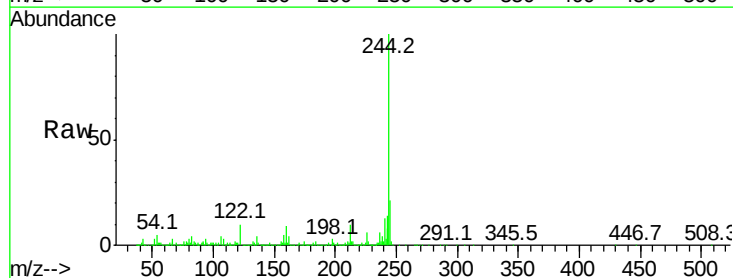
RT: 13.10 min Scan# 1830

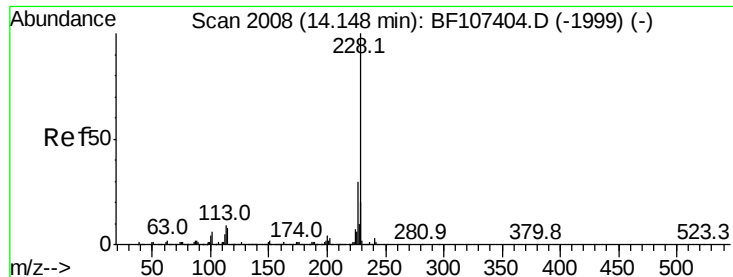
Delta R.T. -0.00 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion:	244	Resp:	1226886
Ion Ratio		Lower	Upper
244	100		
212	10.1	5.4	8.0#
122	9.8	11.0	16.4#





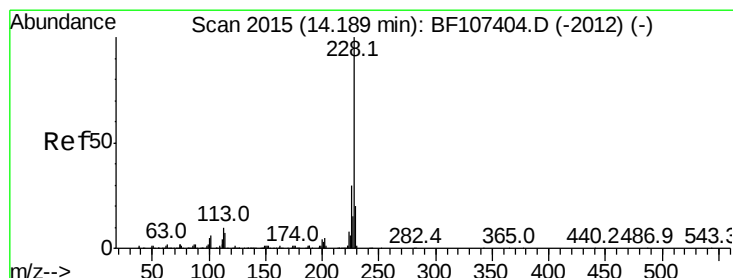
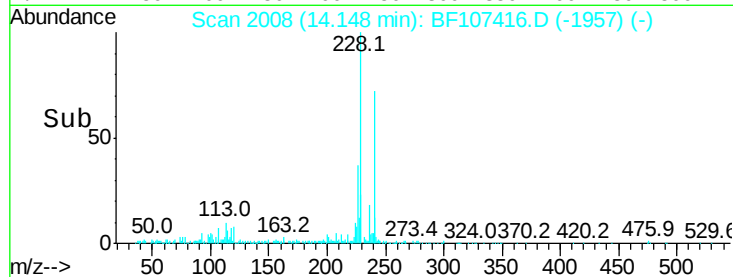
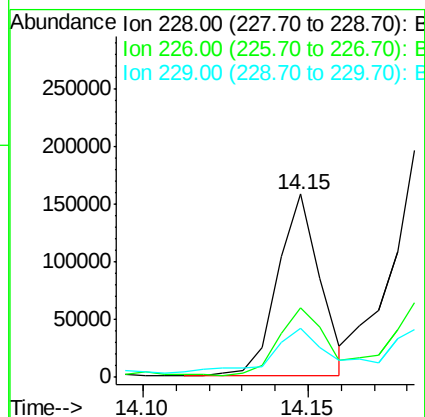
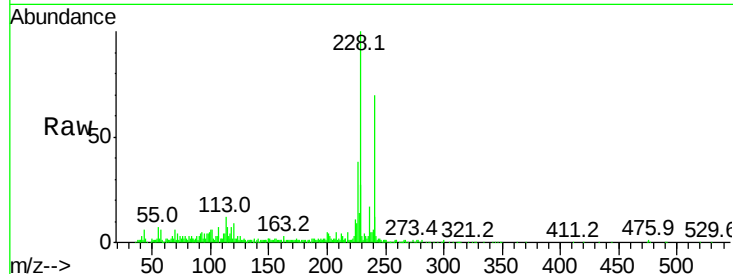
#80
Benzo(a)anthracene
Concen: 4.730 ng m
RT: 14.15 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
BU-02-071218

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.8	22.6	33.8#
229	26.9	15.8	23.6#

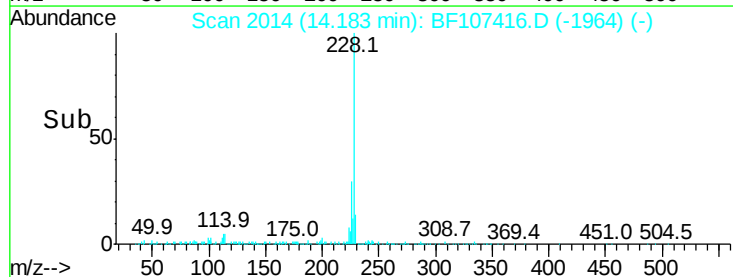
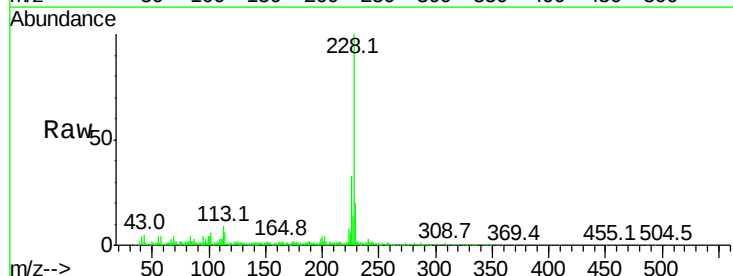
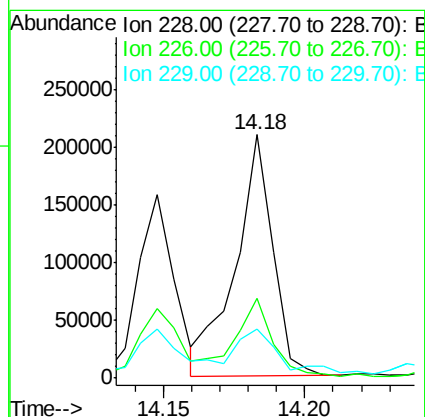
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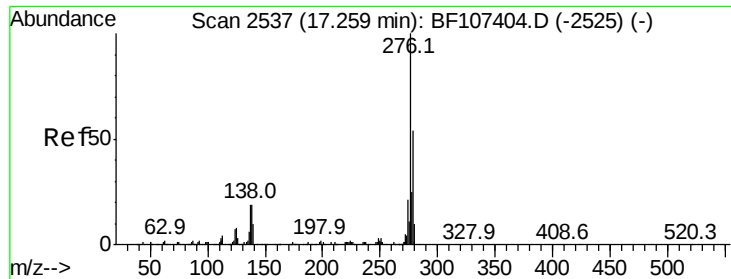
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#82
Chrysene
Concen: 6.739 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.0	37.6
229	20.1	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.701 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

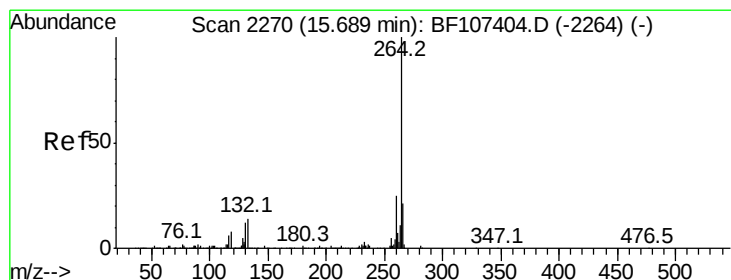
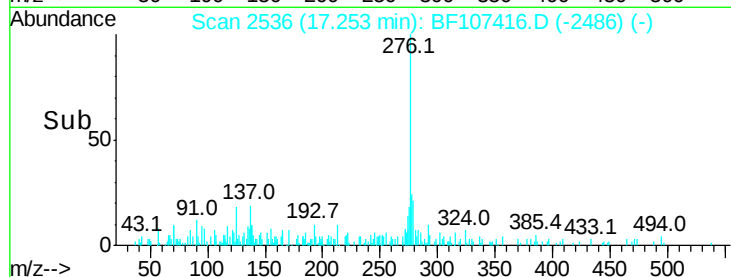
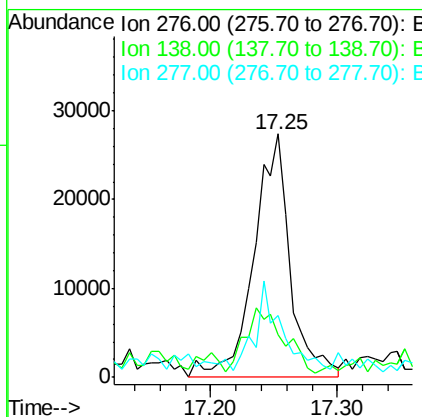
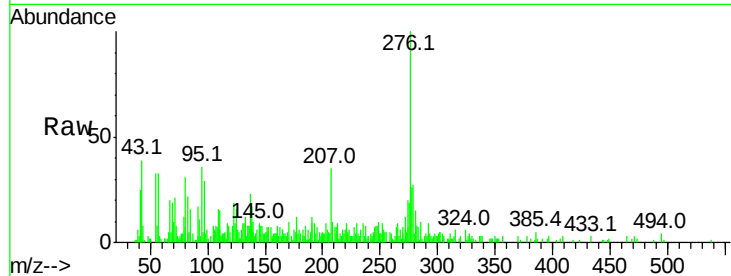
ClientSampleId :

BU-02-071218

Tot Ion:	276	Resp:	54844
Ion Ratio	Lower	Upper	
276	100		
138	28.1	25.0	37.6
277	25.9	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

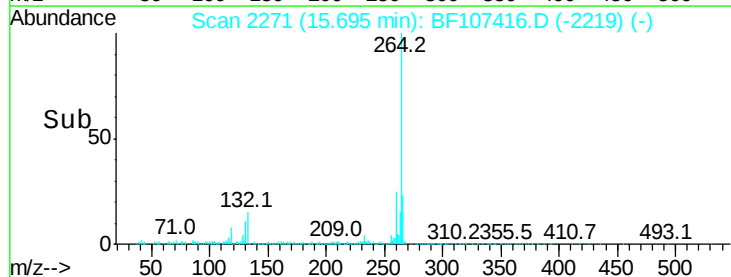
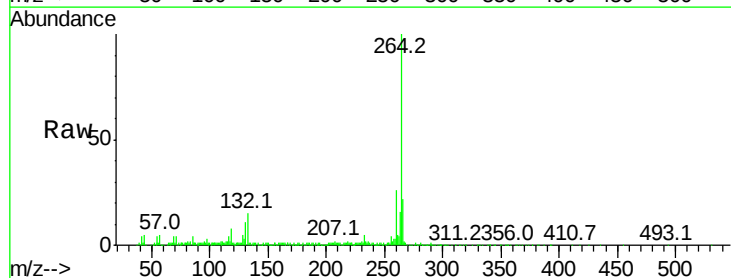
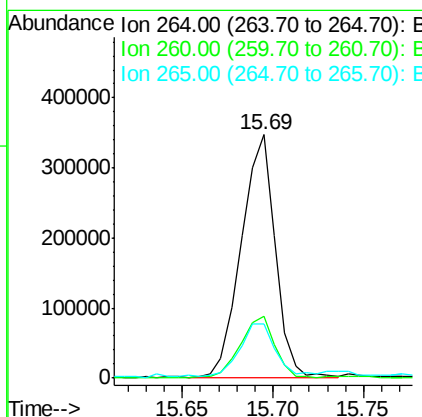
RT: 15.69 min Scan# 2271

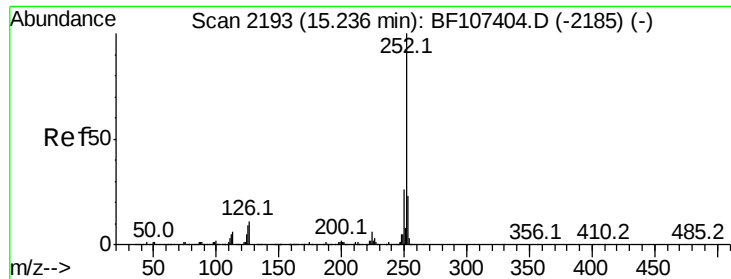
Delta R.T. 0.01 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion:	264	Resp:	453142
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 5.440 ng m

RT: 15.23 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Instrument :

BNA_F

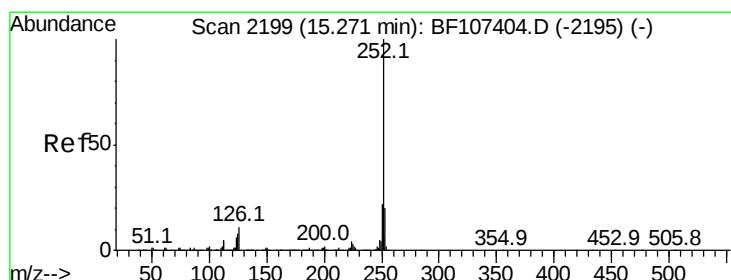
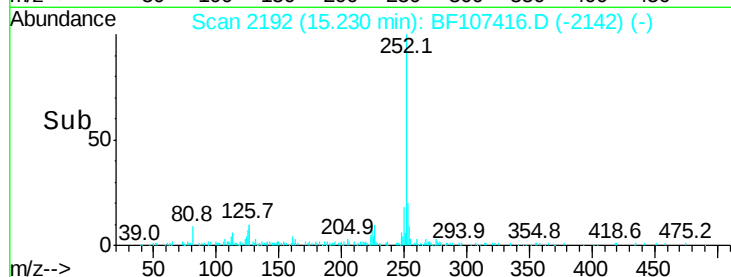
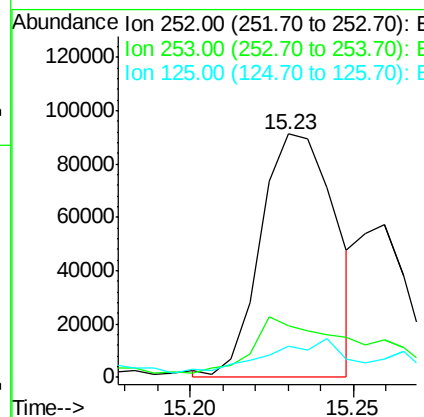
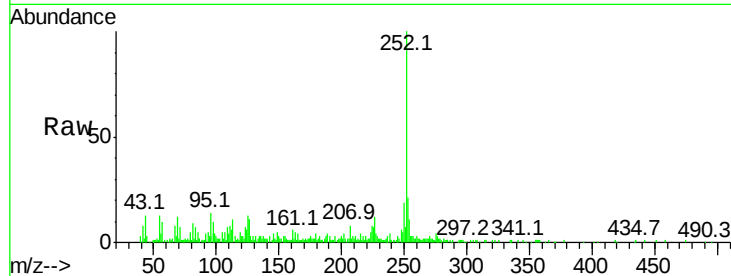
ClientSampleId :

BU-02-071218

Tot Ion:	252	Resp:	144273
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.0	25.6
125	12.6	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 2.486 ng m

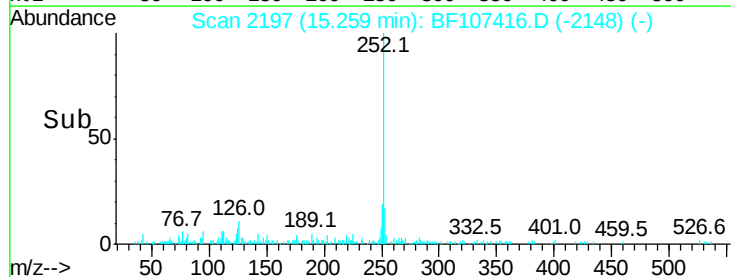
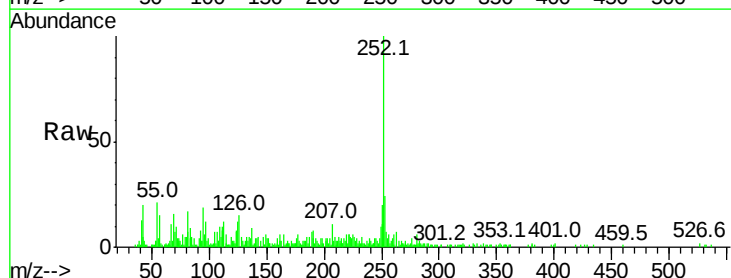
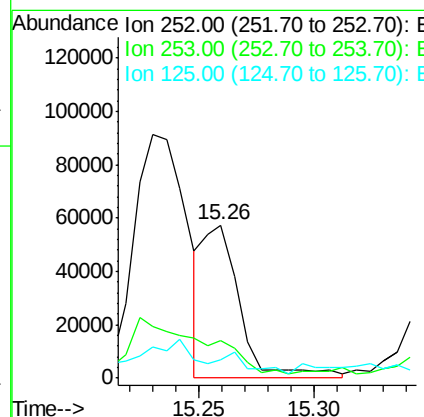
RT: 15.26 min Scan# 2197

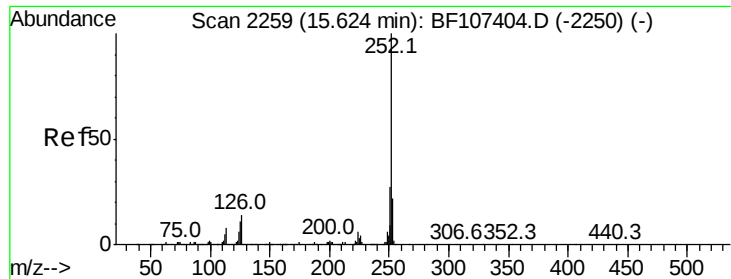
Delta R.T. -0.01 min

Lab File: BF107416.D

Acq: 16 Jul 2018 21:34

Tgt Ion:	252	Resp:	64346
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.9	26.9
125	12.0	10.2	15.2





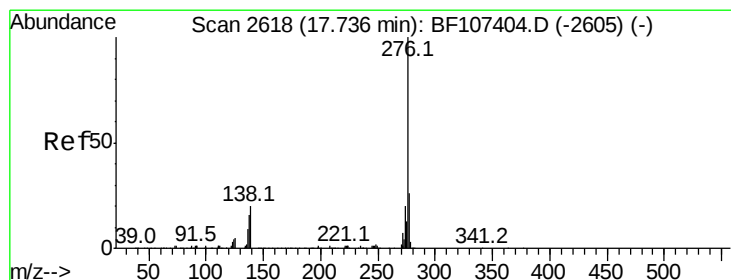
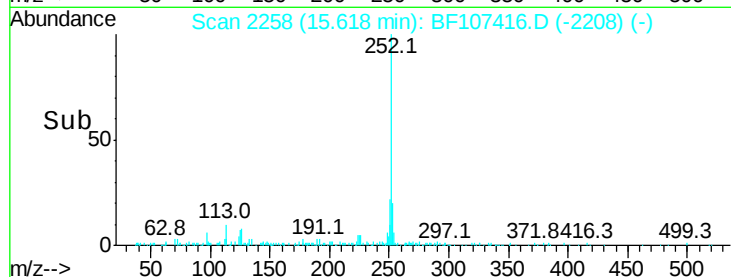
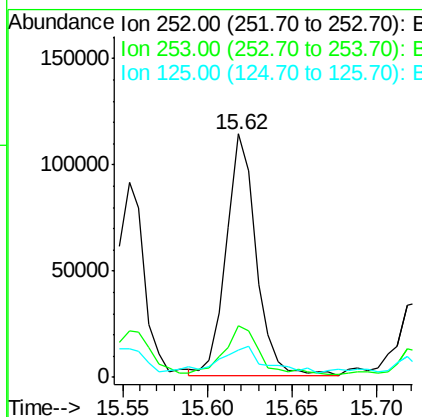
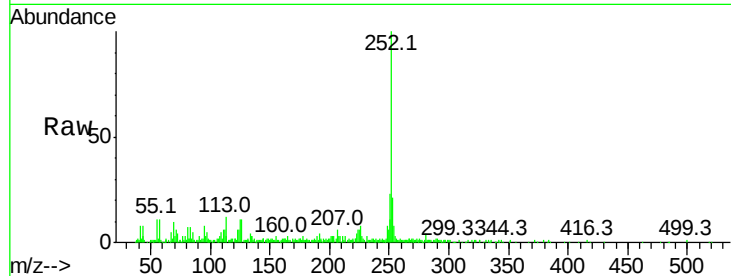
#89
Benzo(a)pyrene
Concen: 5.717 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Instrument :
BNA_F
ClientSampleId :
BU-02-071218

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	11.1	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.340 ng
RT: 17.72 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BF107416.D
Acq: 16 Jul 2018 21:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	24.3	21.8	32.8

