

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
 Data File : BF107046.D
 Acq On : 2 Jul 2018 16:04
 Operator : JU/SJ
 Sample : J3629-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

Manual Integrations
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Quant Time: Jul 02 17:56:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	63797	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	241978	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	110055	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	198503	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	186061	20.00	ng	-0.02
86) Perylene-d12	15.70	264	132506	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	103021	27.34	ng	-0.01
7) Phenol-d6	6.60	99	123768	26.31	ng	-0.02
23) Nitrobenzene-d5	7.52	82	73941	16.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	31038	24.33	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	156164	11.21	ng	-0.02
78) Terphenyl-d14	13.07	244	167858	21.85	ng	-0.01
Target Compounds						
70) Phenanthrene	11.51	178	49921	5.214	ng	99
74) Fluoranthene	12.71	202	92425	8.758	ng	95
77) Pyrene	12.94	202	78877	6.429	ng	99
80) Benzo(a)anthracene	14.14	228	57208	5.045	ng	96
82) Chrysene	14.18	228	57603	5.521	ng	95
85) Indeno(1,2,3-cd)pyrene	17.29	276	36556	4.129	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	85522m	10.390	ng	
88) Benzo(k)fluoranthene	15.27	252	26501m	3.381	ng	
89) Benzo(a)pyrene	15.64	252	59273	8.100	ng	95
91) Benzo(g,h,i)perylene	17.78	276	38928	6.422	ng	# 88

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

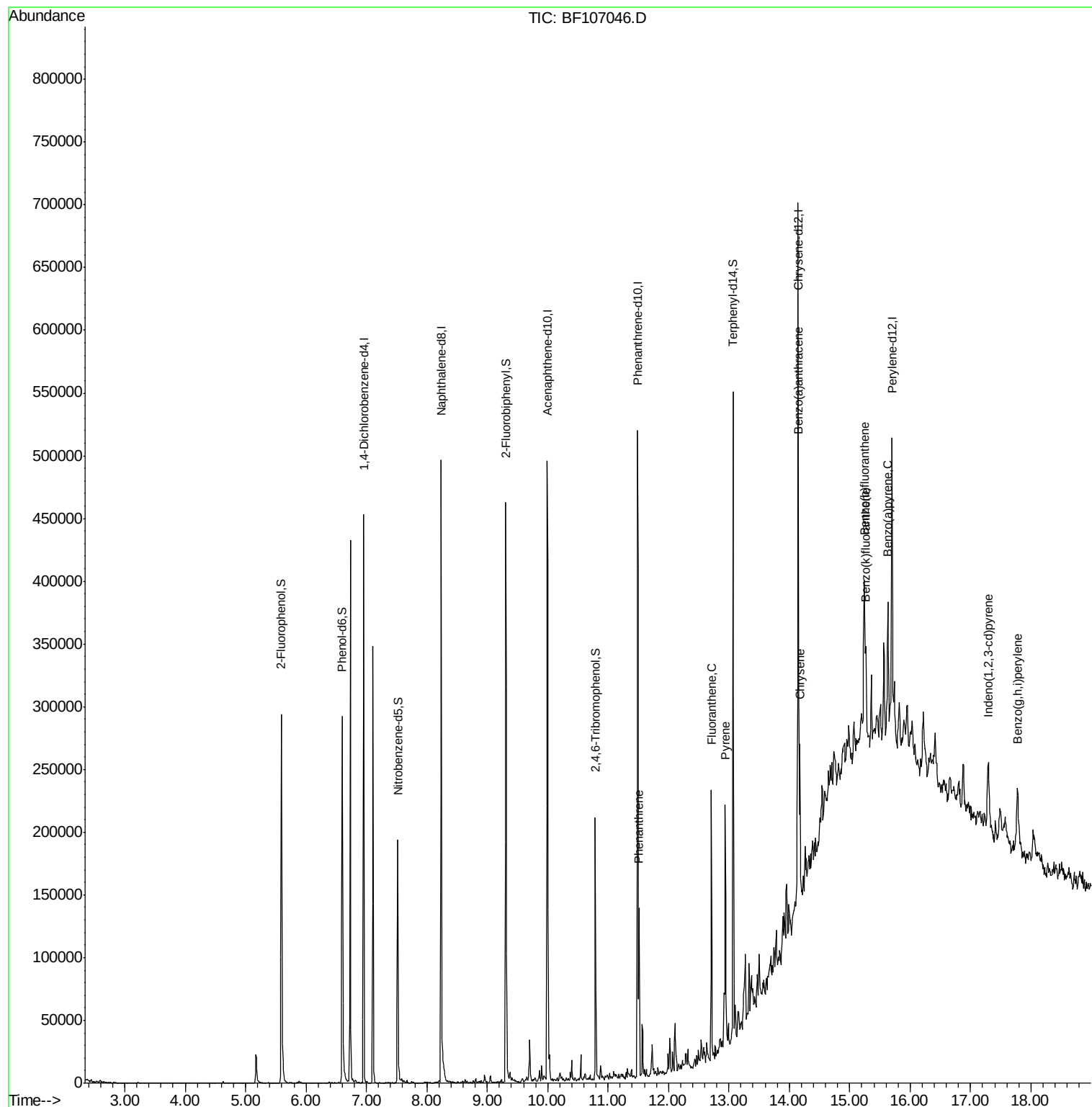
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\
Data File : BF107046.D
Acq On : 2 Jul 2018 16:04
Operator : JU/SJ
Sample : J3629-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

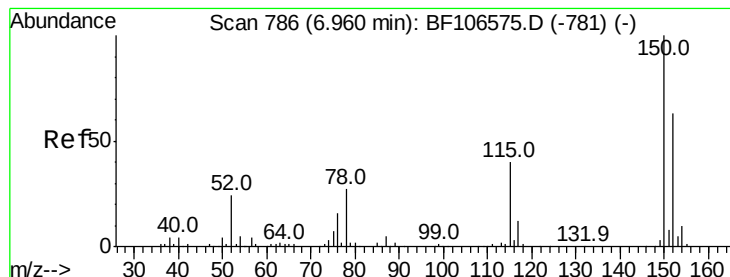
Instrument :
BNA_F
ClientSampleId :
A0C10-01

Quant Time: Jul 02 17:56:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
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#1

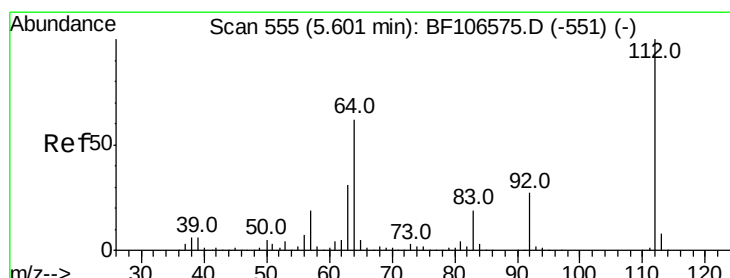
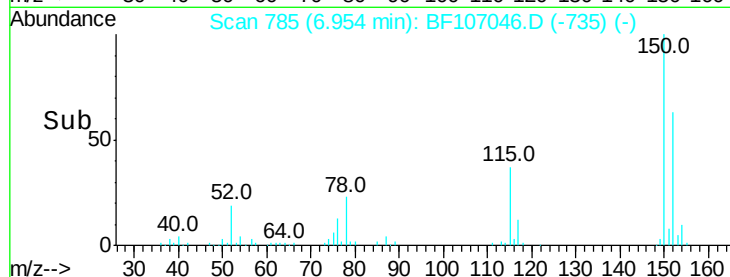
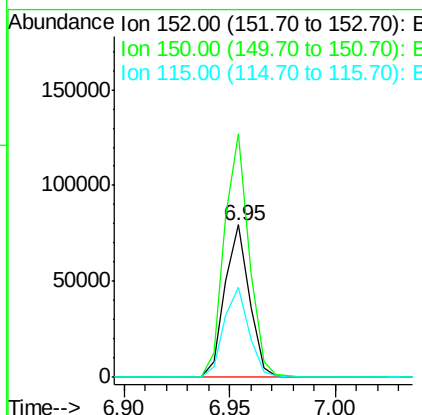
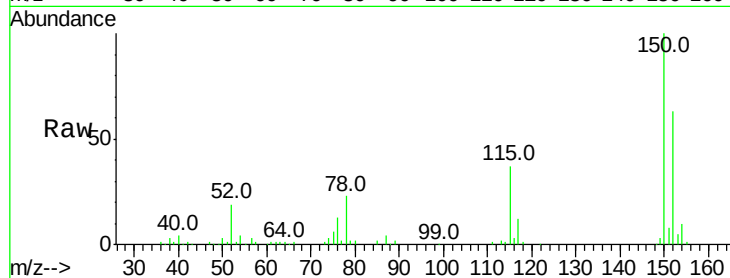
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	59.3	50.1	75.1

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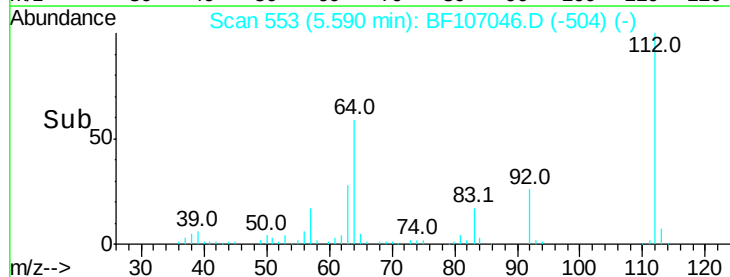
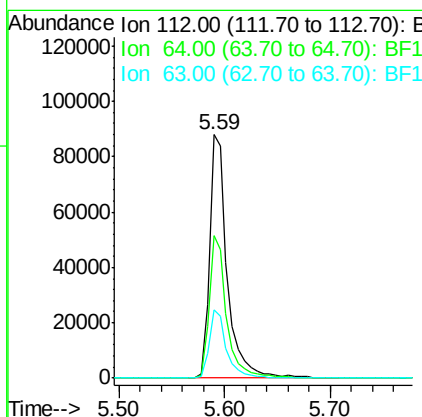
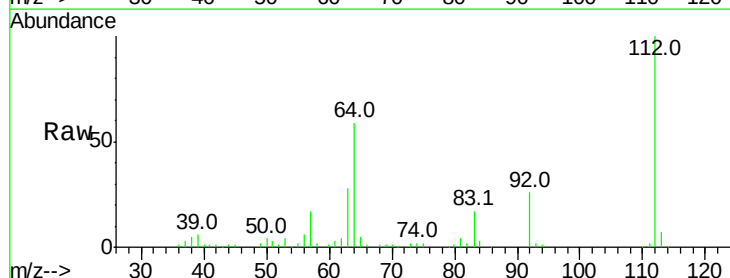
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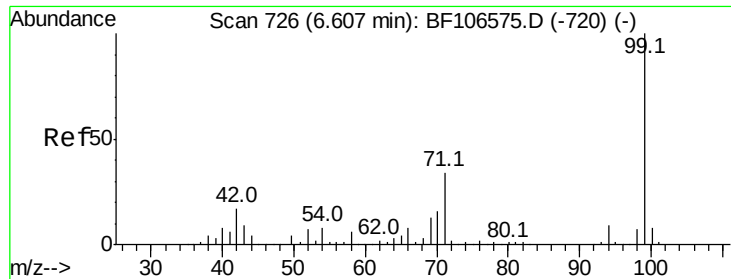


#5

2-Fluorophenol
Concen: 27.344 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 26.306 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

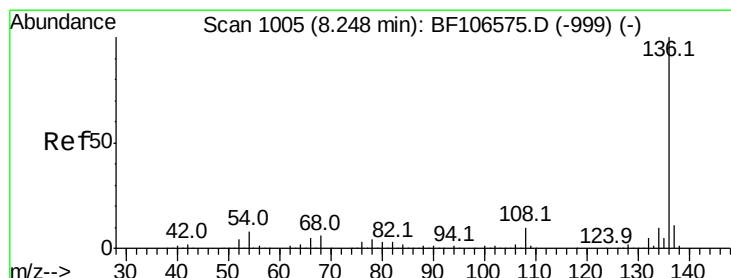
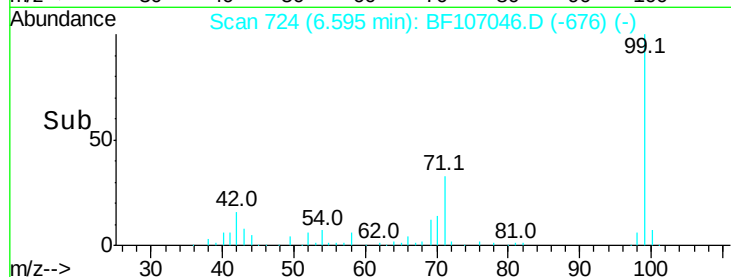
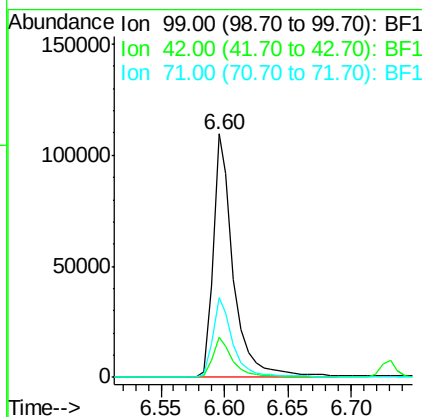
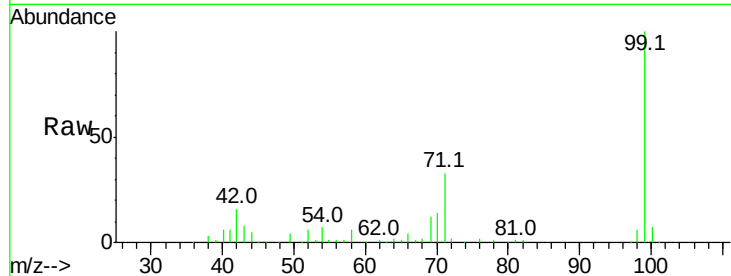
ClientSampled :

A0C10-01

Tot Ion:	99	Resp:	123768
Ion Ratio	Lower	Upper	
99	100		
42	16.3	14.5	21.7
71	33.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

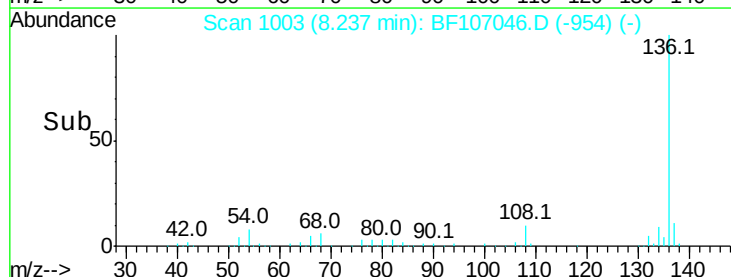
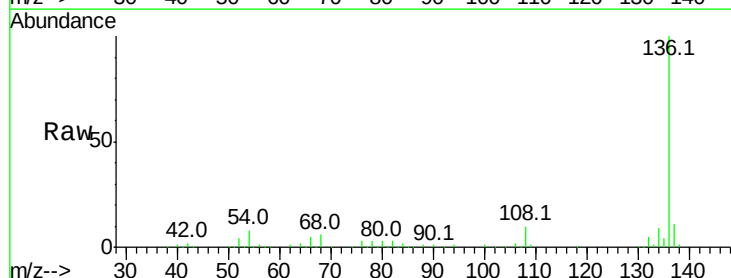
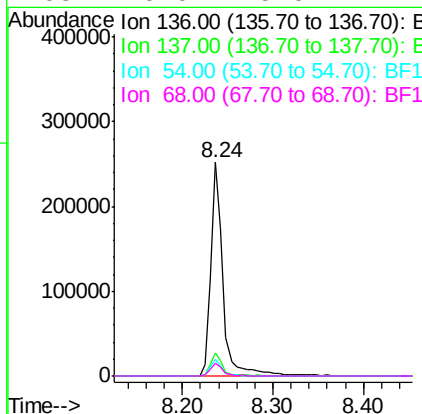
RT: 8.24 min Scan# 1003

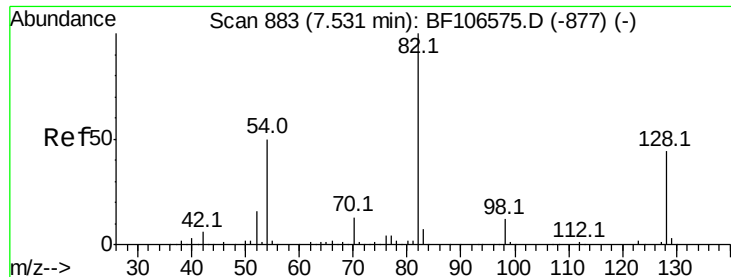
Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Tgt Ion:	136	Resp:	241978
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.9	6.6	9.8
68	6.0	5.0	7.4





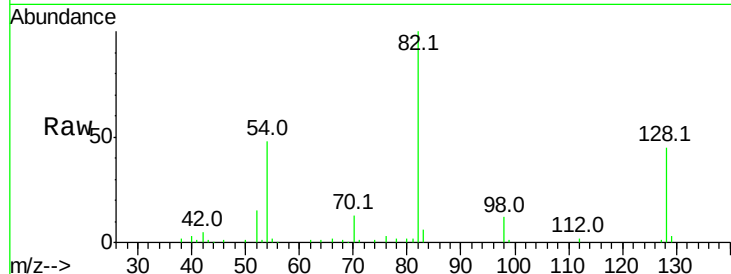
#23
 Nitrobenzene-d5
 Concen: 16.982 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

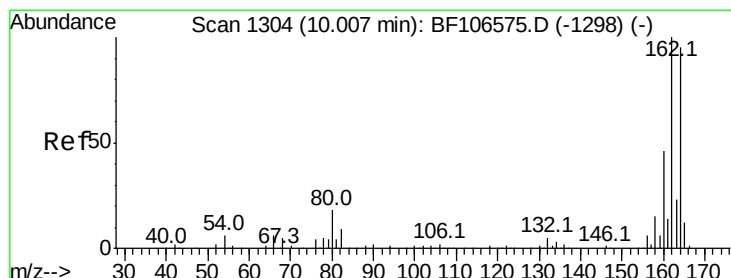
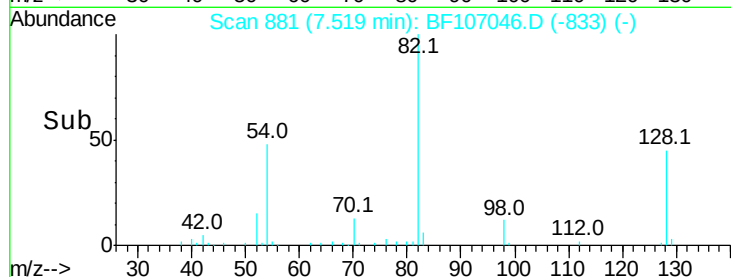
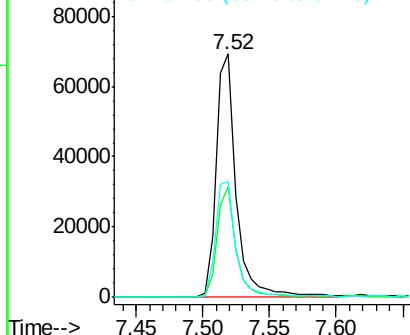
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	47.5	41.4	62.2

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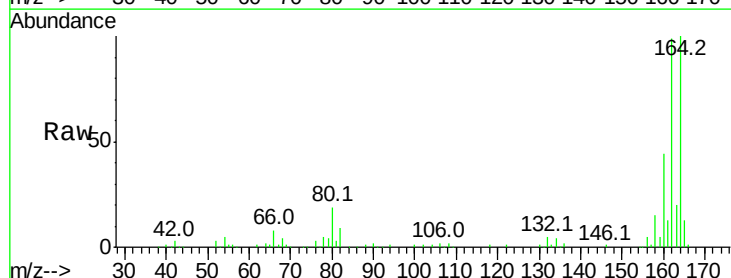


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

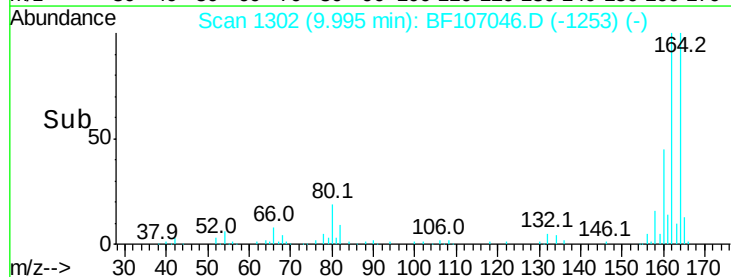
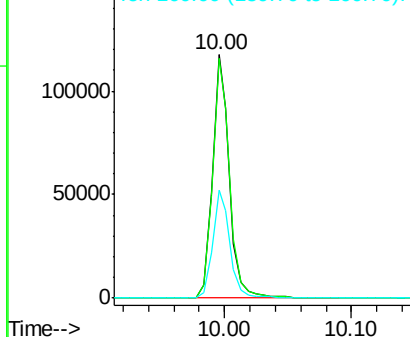


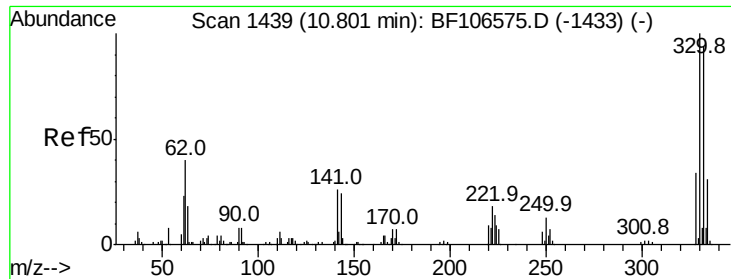
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	86.1	129.1
160	44.1	38.3	57.5



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





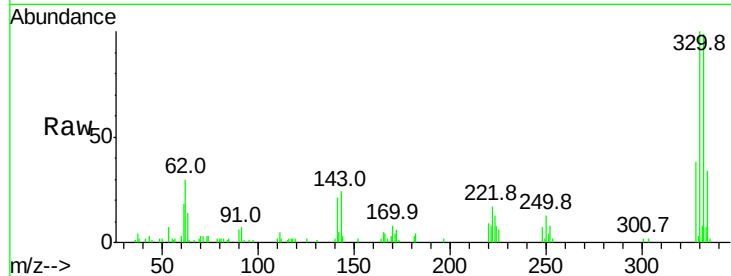
#41
 2,4,6-Tribromophenol
 Concen: 24.333 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Instrument :
 BNA_F
 ClientSampleId :
 A0C10-01

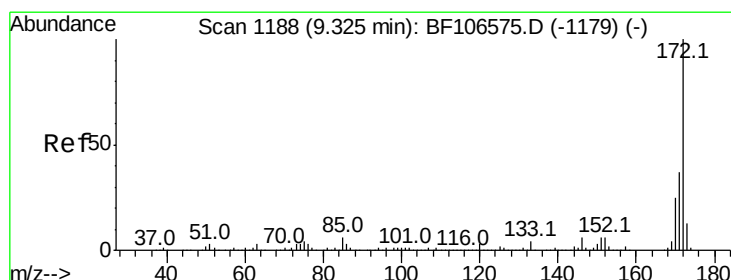
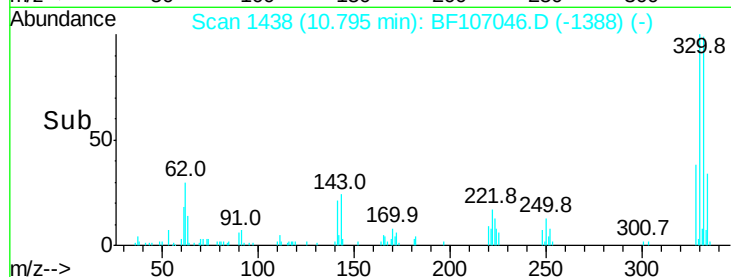
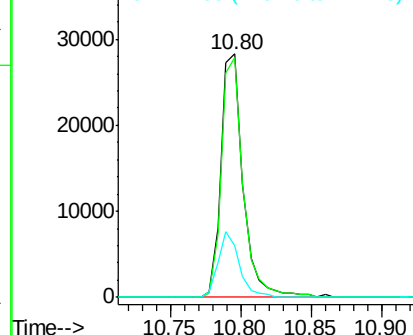
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	25.5	29.9	44.9#

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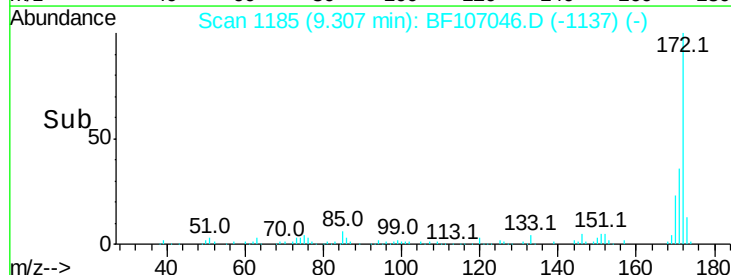
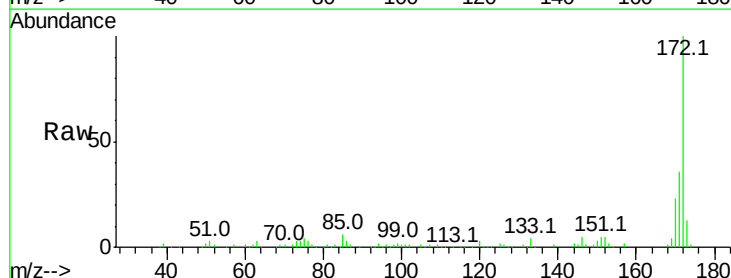
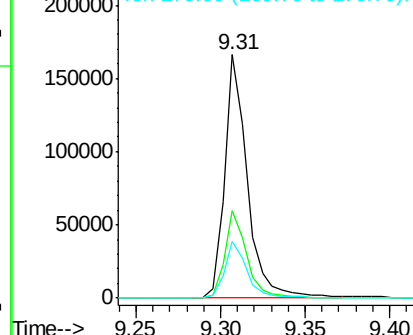
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

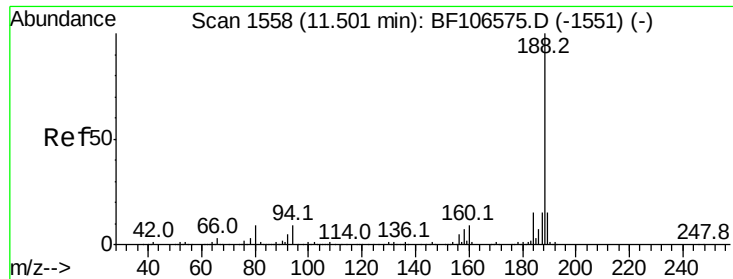


#44
 2-Fluorobiphenyl
 Concen: 11.212 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107046.D
 Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.1	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





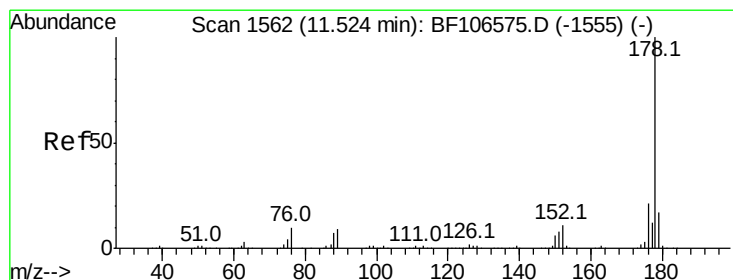
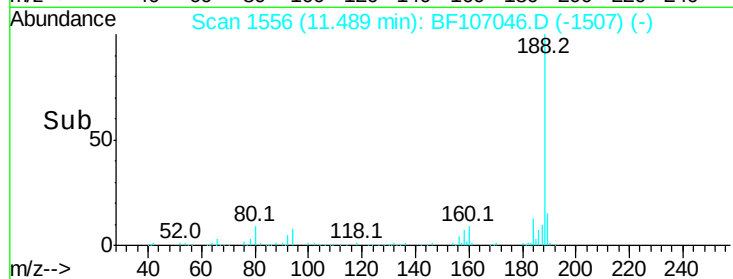
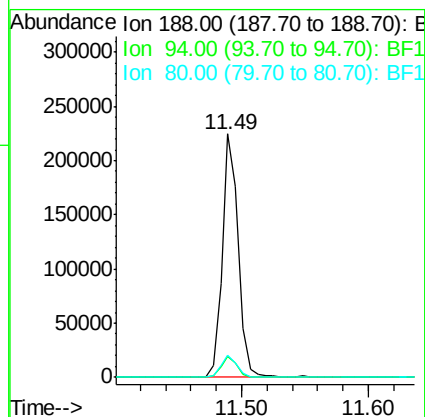
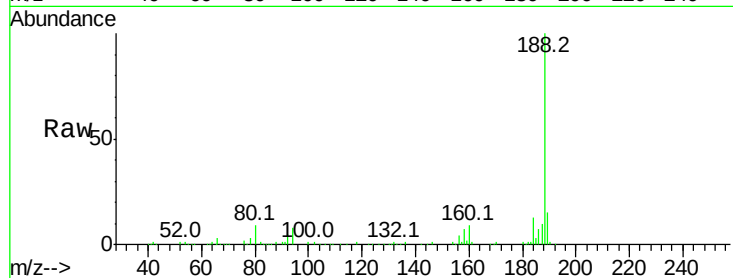
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.3	9.2	13.8

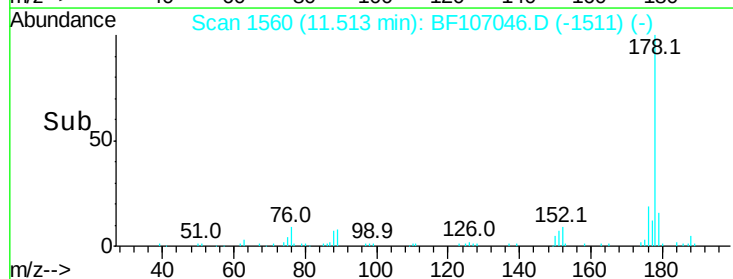
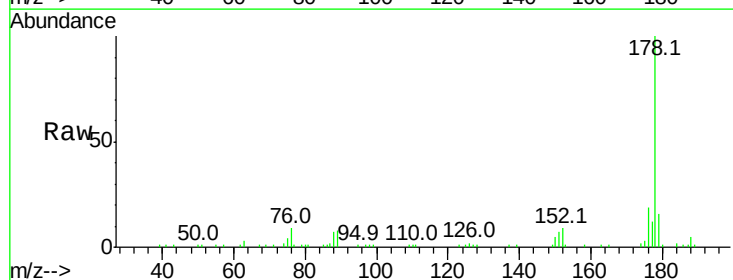
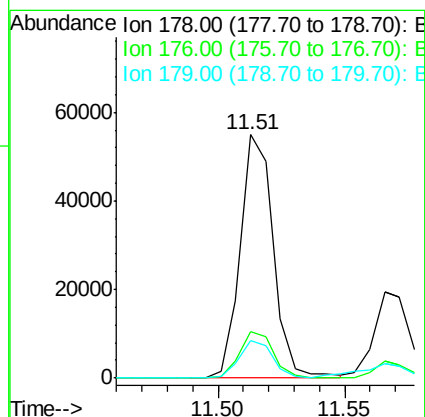
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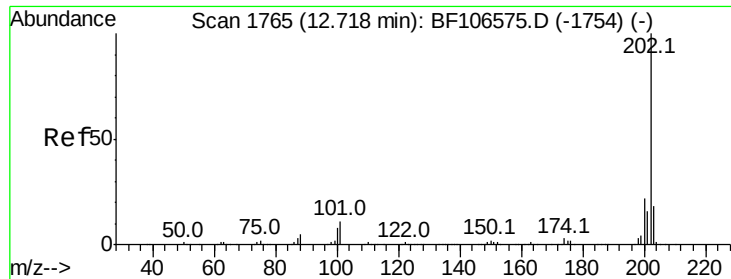
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#70
Phenanthrene
Concen: 5.214 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.6	13.0	19.6





#74

Fluoranthene

Concen: 8.758 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

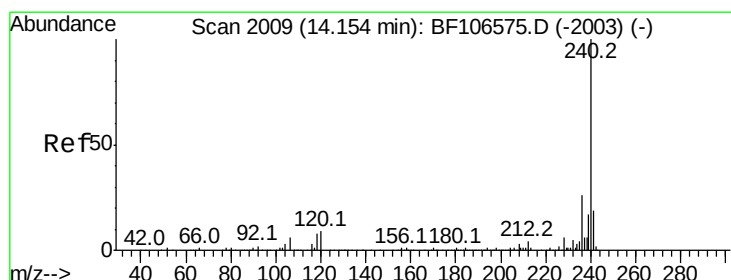
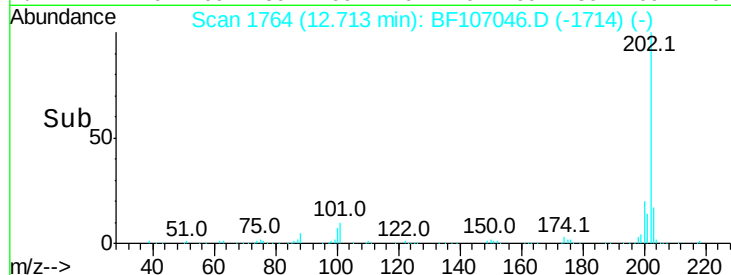
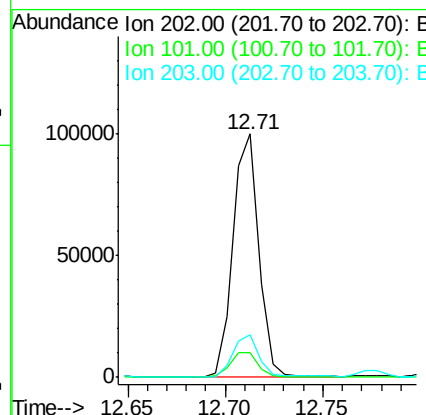
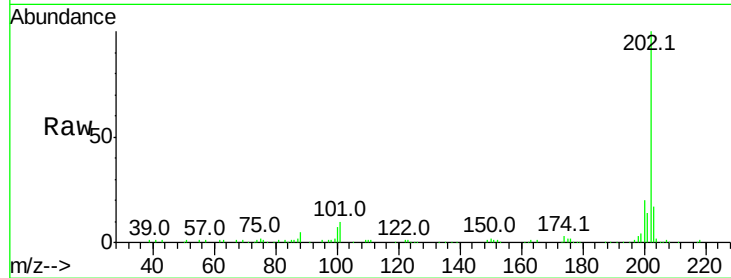
ClientSampleId :

A0C10-01

Tot Ion:	202	Resp:	92425
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

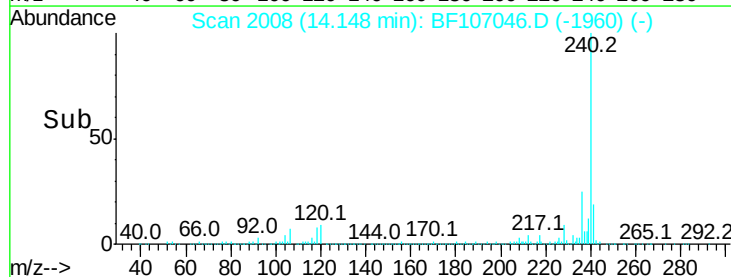
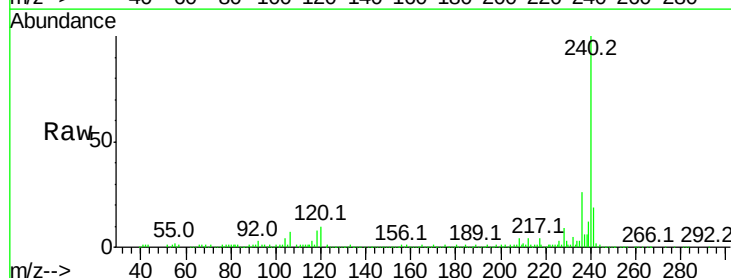
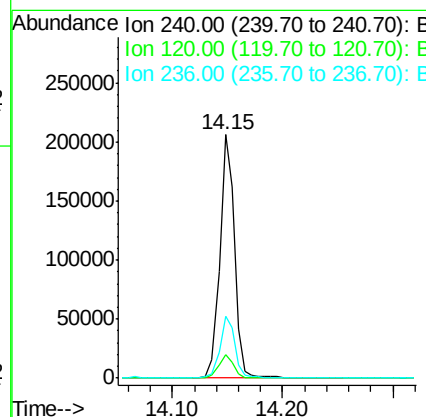
RT: 14.15 min Scan# 2008

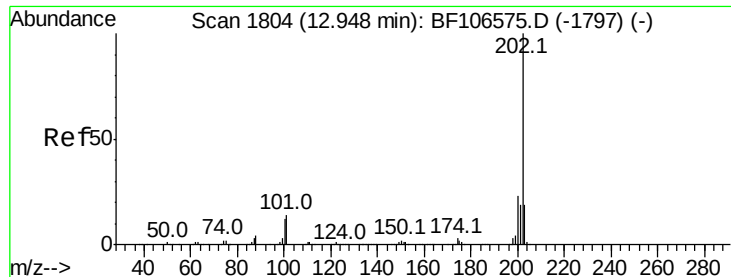
Delta R.T. -0.02 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Tgt Ion:	240	Resp:	186061
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3#
236	25.6	20.7	31.1





#77

Pvrene

Concen: 6.429 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Instrument :

BNA_F

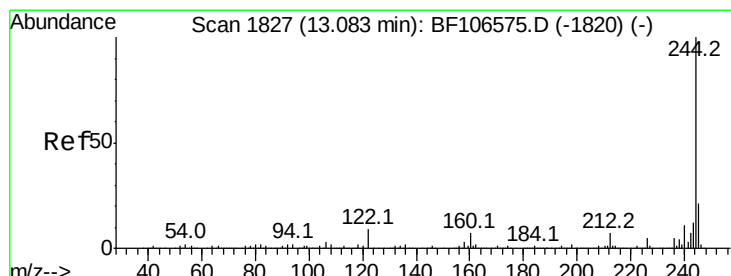
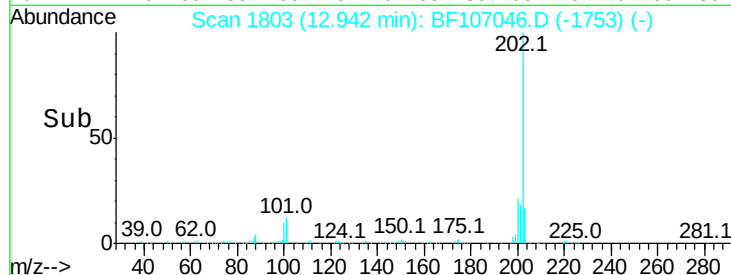
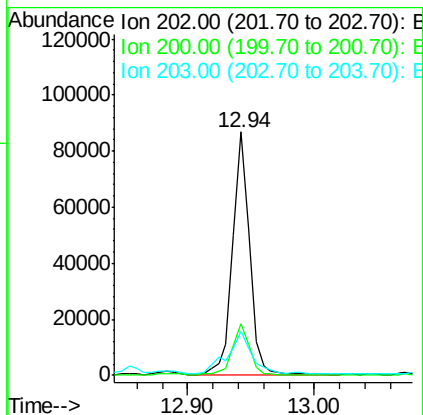
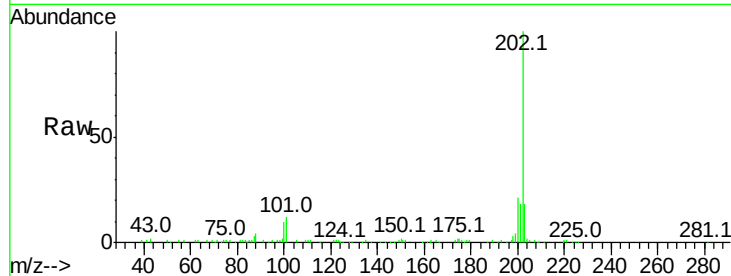
ClientSampleId :

A0C10-01

Tot Ion:	202	Resp:	78877
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 21.853 ng

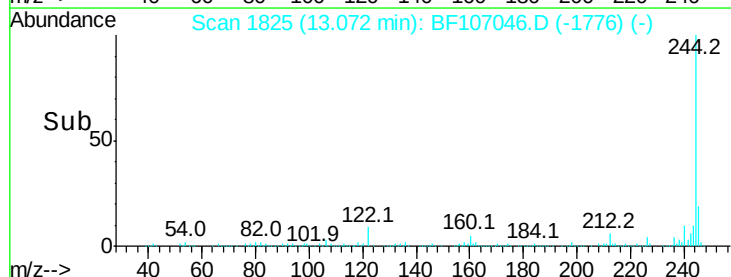
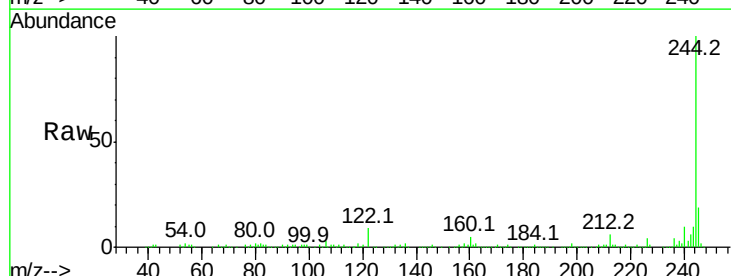
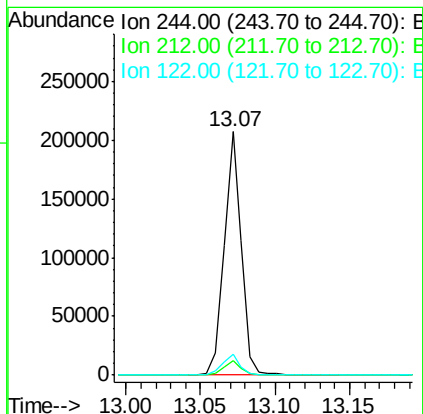
RT: 13.07 min Scan# 1825

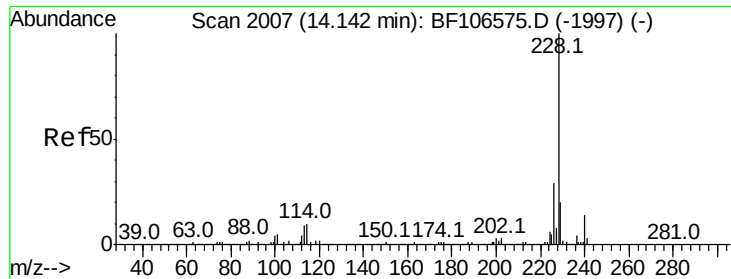
Delta R.T. -0.01 min

Lab File: BF107046.D

Acq: 2 Jul 2018 16:04

Tgt Ion:	244	Resp:	167858
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.4	8.0
122	8.6	11.0	16.4#





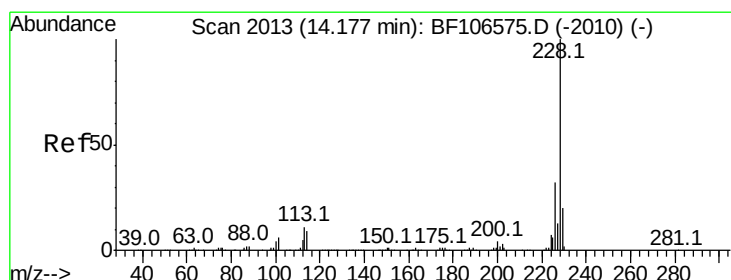
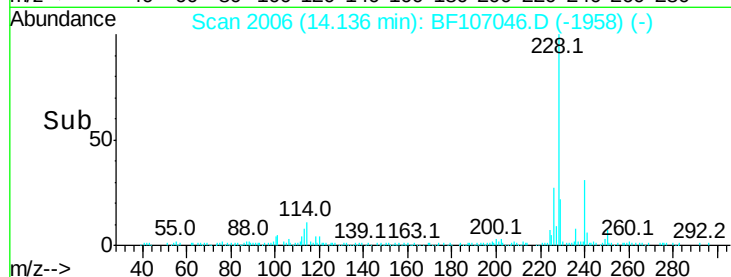
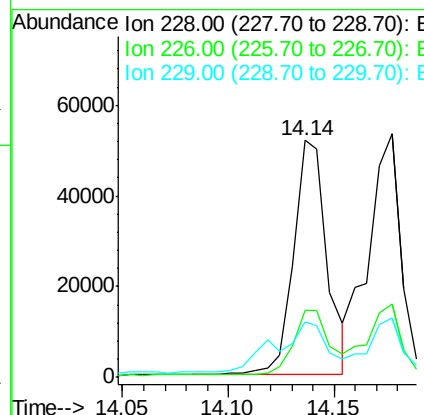
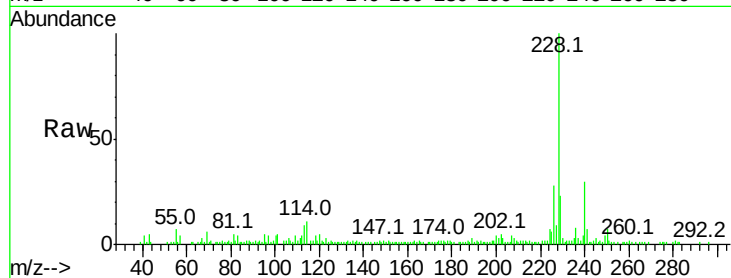
#80
Benzo(a)anthracene
Concen: 5.045 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	23.4	15.8	23.6

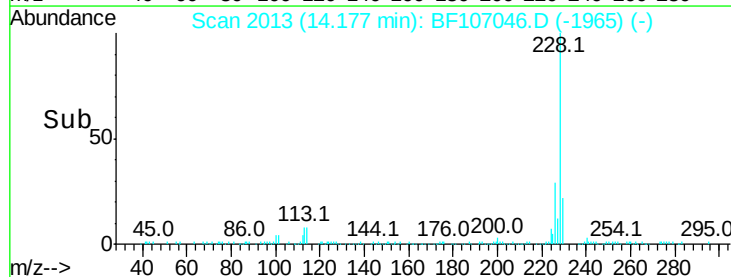
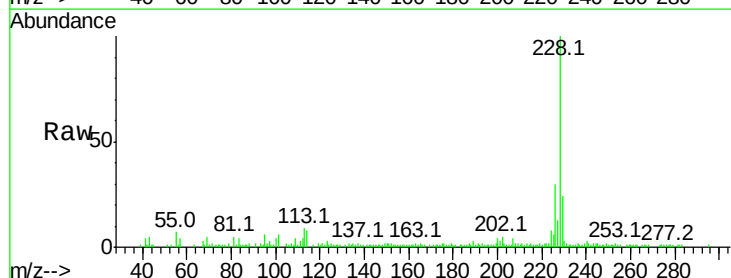
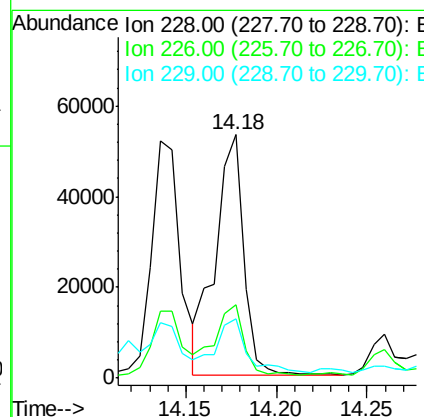
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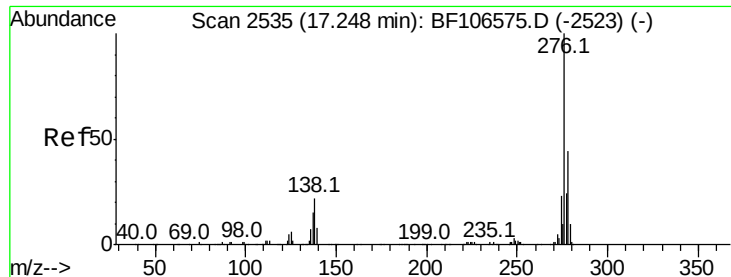
Sohil
7/3/2018 5:29:53 PM



#82
Chrysene
Concen: 5.521 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	24.3	16.2	24.4





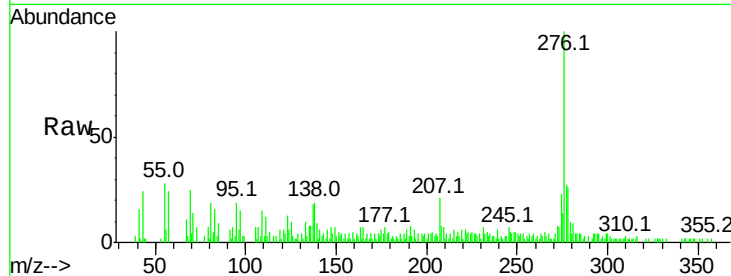
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.129 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampled :
A0C10-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	25.0	37.6#
277	25.6	20.1	30.1

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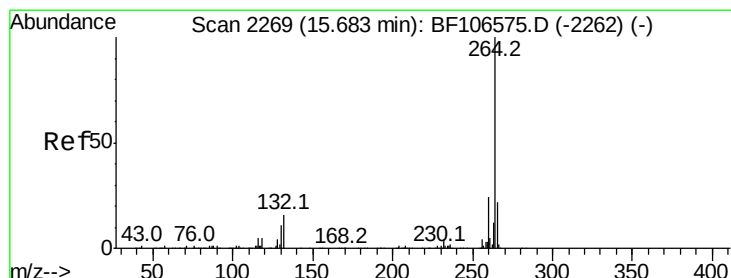
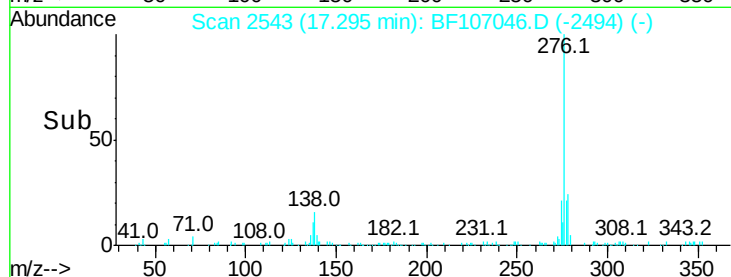
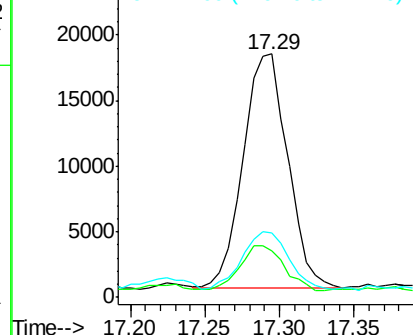


Abundance

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: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

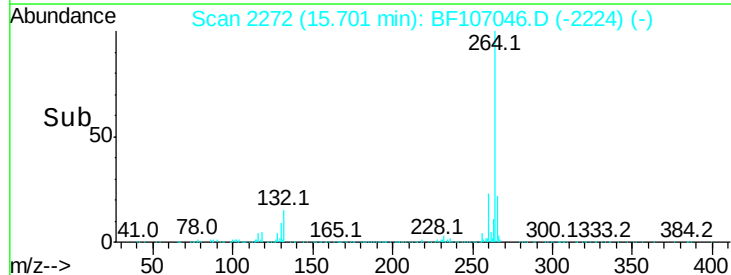
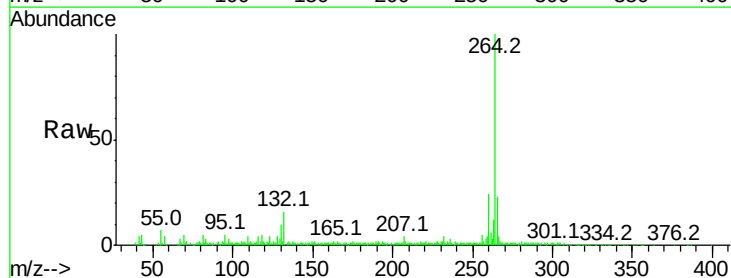
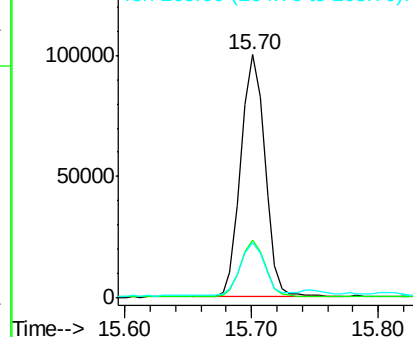
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.7	17.5	26.3

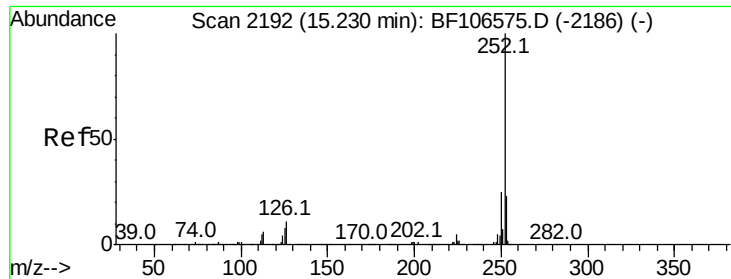
Abundance

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





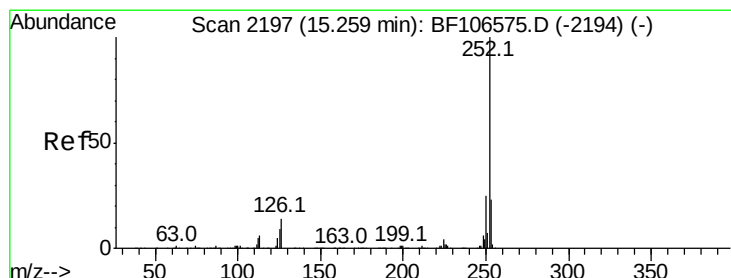
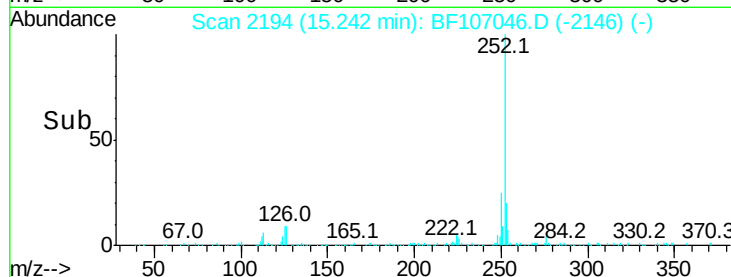
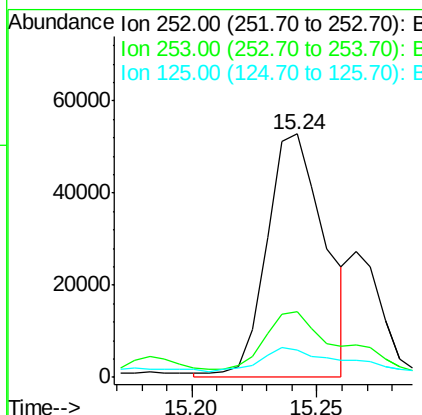
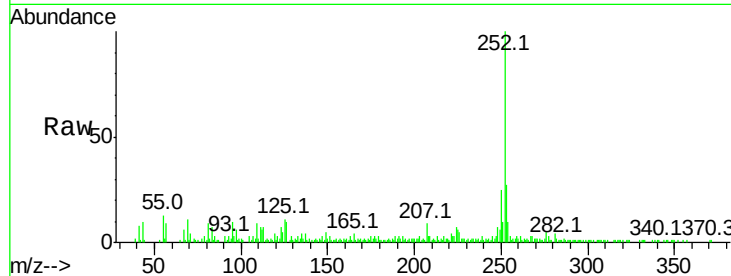
#87
Benzo(b)fluoranthene
Concen: 10.390 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.0	25.6#
125	11.4	9.0	13.6

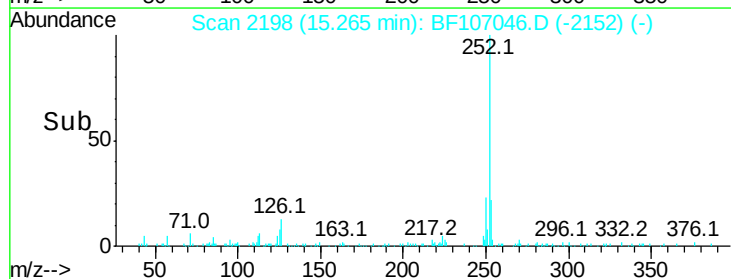
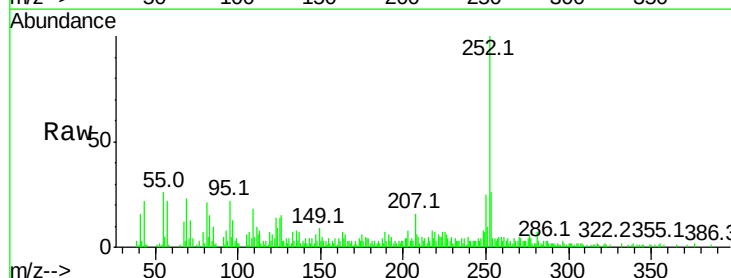
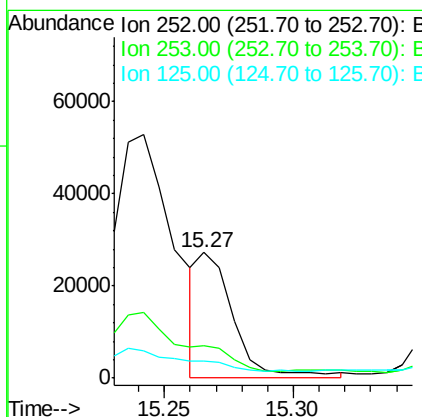
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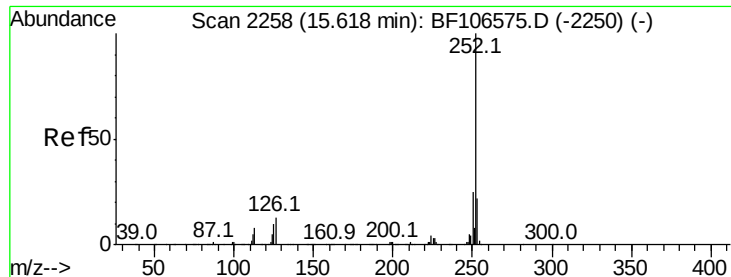
Sohil
7/3/2018 5:29:53 PM



#88
Benzo(k)fluoranthene
Concen: 3.381 ng m
RT: 15.27 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.9	26.9
125	14.0	10.2	15.2





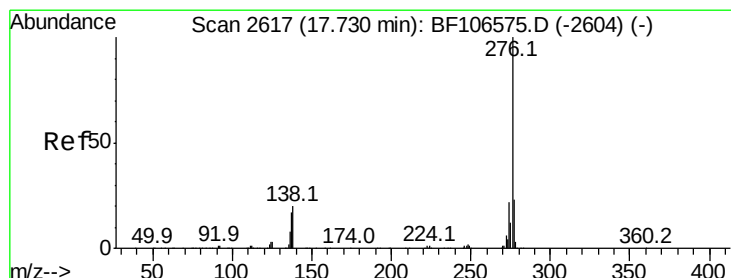
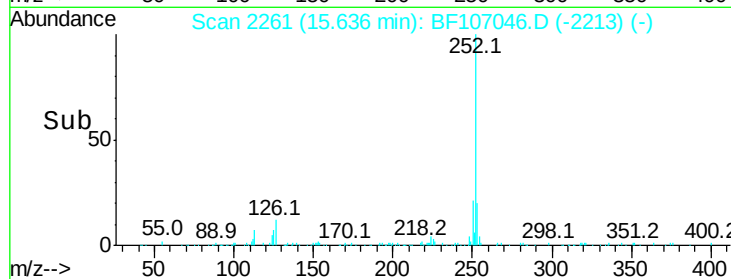
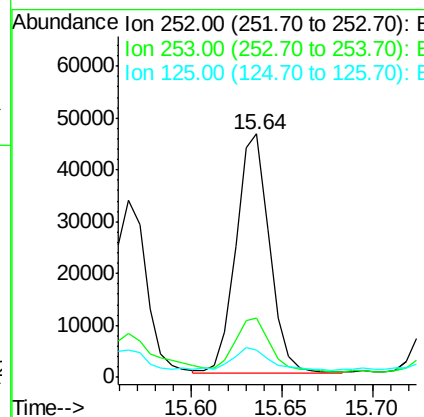
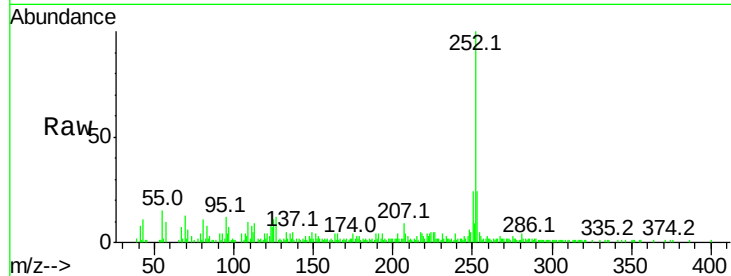
#89
Benzo(a)pyrene
Concen: 8.100 ng
RT: 15.64 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Instrument :
BNA_F
ClientSampleId :
A0C10-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	11.3	9.8	14.6

Manual Integrations
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7/3/2018 5:29:53 PM



#91
Benzo(g,h,i)perylene
Concen: 6.422 ng
RT: 17.78 min Scan# 2625
Delta R.T. -0.01 min
Lab File: BF107046.D
Acq: 2 Jul 2018 16:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	19.6	21.8	32.8#

