

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
 Data File : BF106884.D
 Acq On : 27 Jun 2018 20:40
 Operator : JU/SJ
 Sample : J3242-09 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-E

Manual Integrations
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Quant Time: Jun 28 04:09:06 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	21039	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	77996	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	33211	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	54239	20.00	ng	0.00
75) Chrysene-d12	14.14	240	63653	20.00	ng	-0.02
86) Perylene-d12	15.68	264	47986	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	129819	104.48	ng	-0.01
7) Phenol-d6	6.59	99	165217	106.48	ng	-0.02
23) Nitrobenzene-d5	7.51	82	98538	70.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	41249	107.16	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	188798	98.58	ng	-0.01
78) Terphenyl-d14	13.07	244	202969	77.24	ng	-0.01
Target Compounds						
10) Phenol	6.61	94	4172	2.356	ng	97
49) Dimethylphthalate	9.70	163	34237	13.745	ng	# 80
61) 4-Nitroaniline	10.45	138	3515	5.835	ng	79
70) Phenanthrene	11.52	178	20713	7.918	ng	# 86
71) Anthracene	11.57	178	7304	2.735	ng	# 71
74) Fluoranthene	12.71	202	49455	17.152	ng	95
77) Pyrene	12.94	202	59977	14.289	ng	98
80) Benzo(a)anthracene	14.13	228	35233	9.082	ng	# 94
82) Chrysene	14.17	228	30351	8.504	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.25	276	19431	6.415	ng	# 89
87) Benzo(b)fluoranthene	15.22	252	46232m	15.510	ng	
88) Benzo(k)fluoranthene	15.25	252	15648m	5.512	ng	
89) Benzo(a)pyrene	15.61	252	32082	12.107	ng	94
90) Dibenzo(a,h)anthracene	17.25	278	5870	2.614	ng	# 85
91) Benzo(a,h,i)perylene	17.73	276	18407	8.386	ng	# 87

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

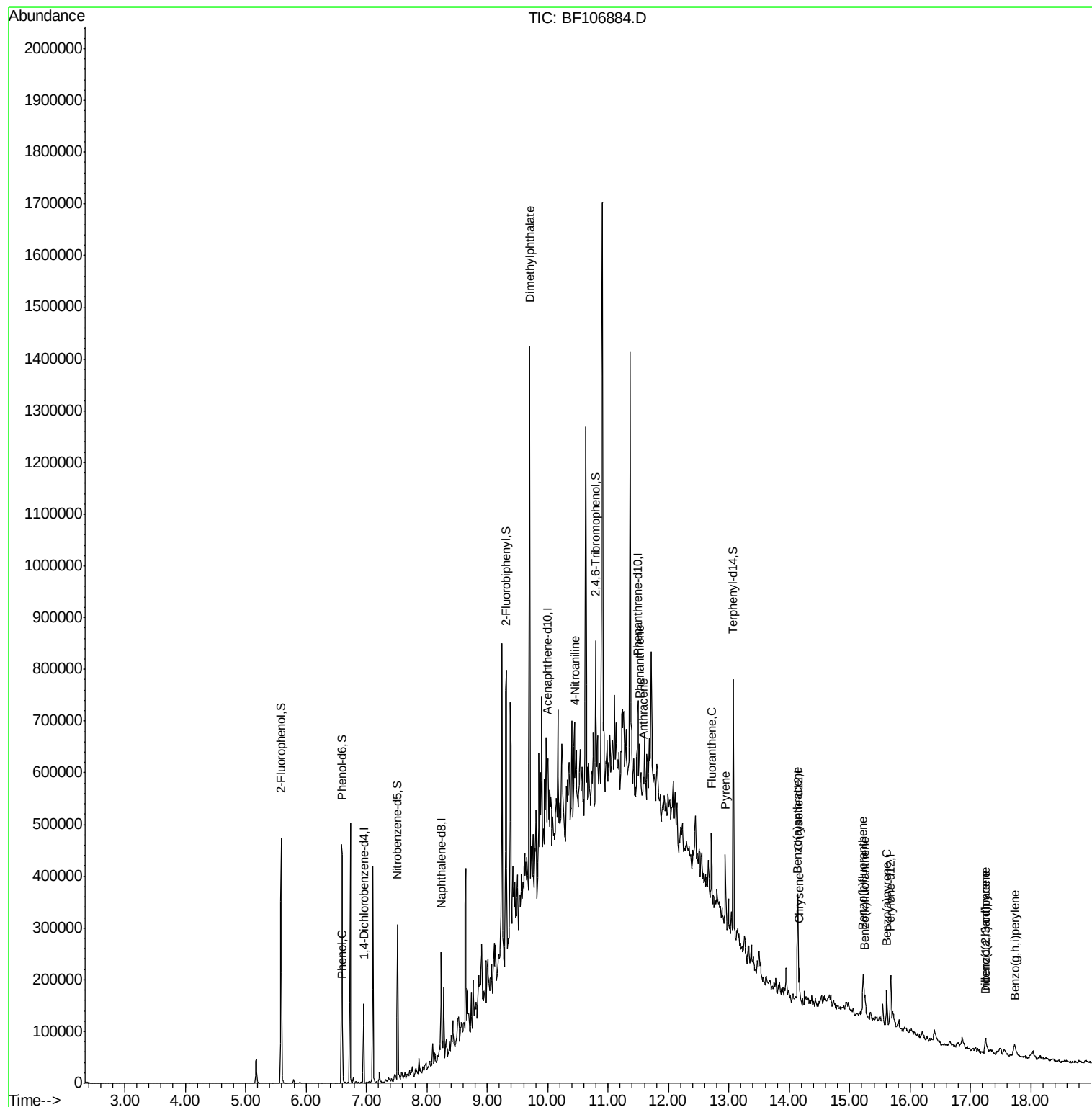
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
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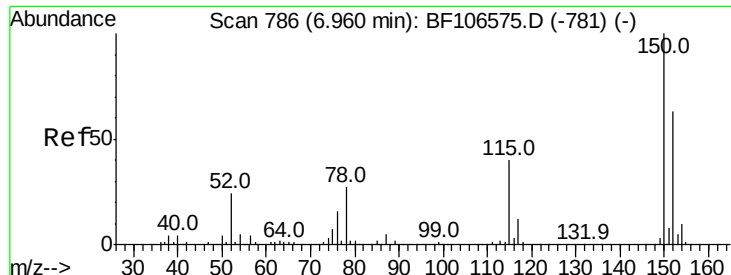
Instrument :
BNA_F
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JC-02-062618-E

Quant Time: Jun 28 04:09:06 2018
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QLast Update : Mon Jun 25 18:50:17 2018
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#1

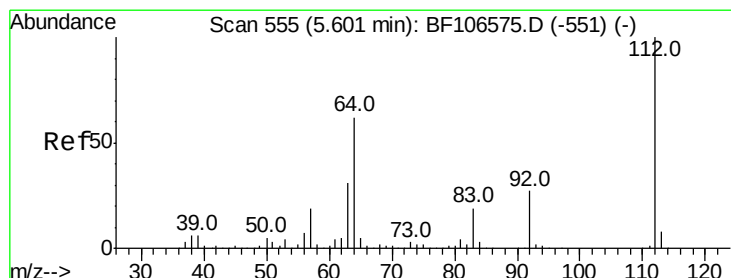
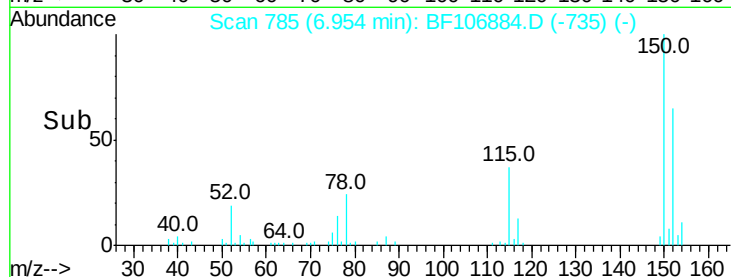
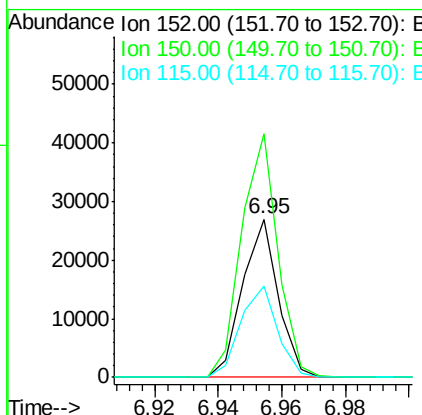
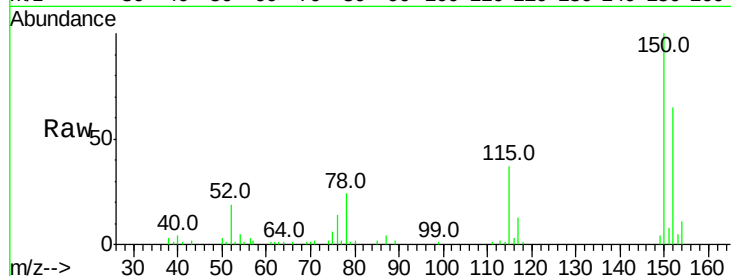
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	57.5	50.1	75.1

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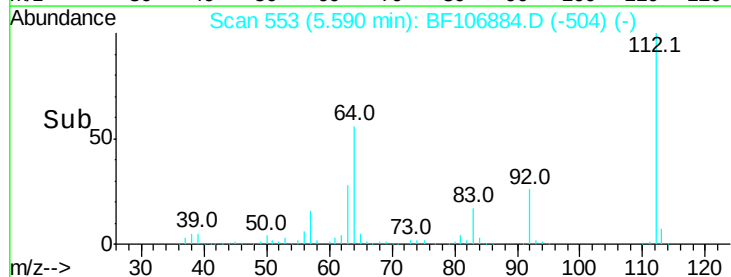
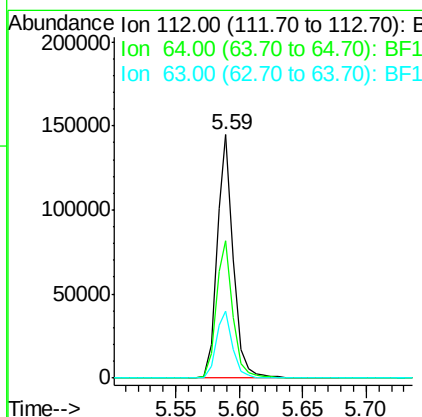
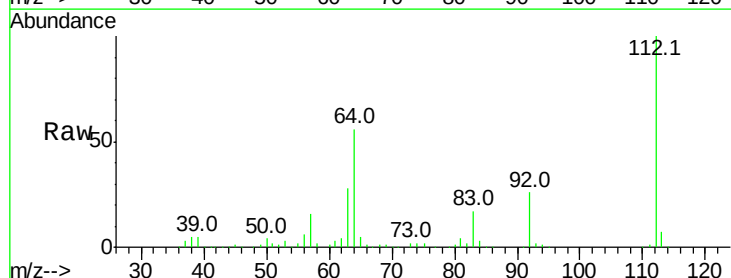
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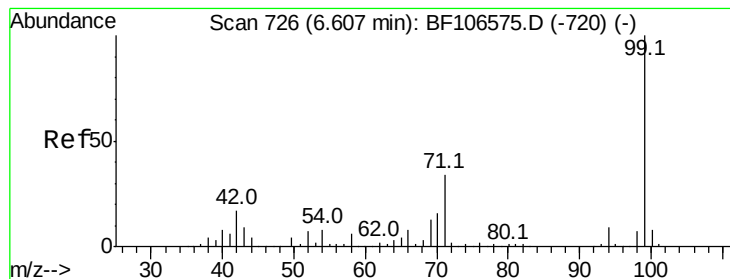


#5

2-Fluorophenol
Concen: 104.484 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 106.481 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA_F

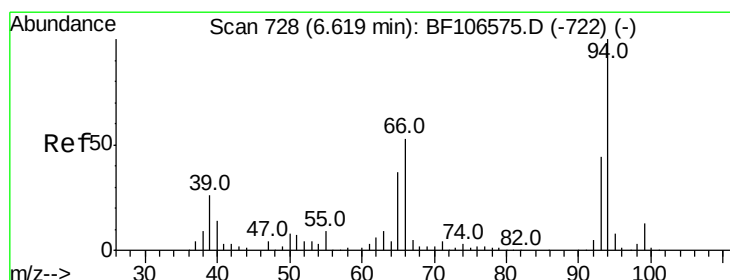
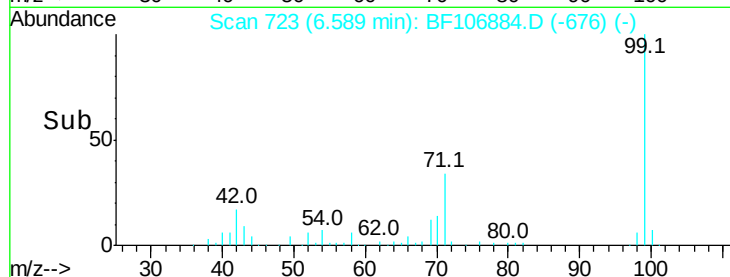
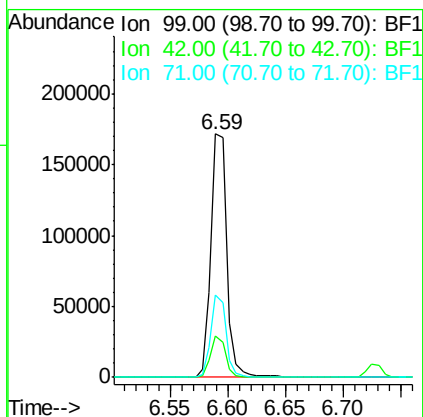
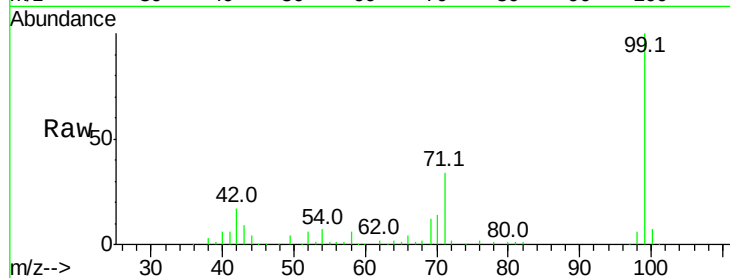
ClientSampleId :

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Tot Ion:	99	Resp:	165217
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.5	21.7
71	33.7	25.4	38.0

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#10

Phenol

Concen: 2.356 ng

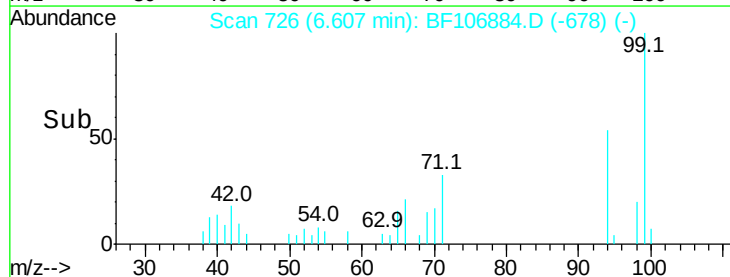
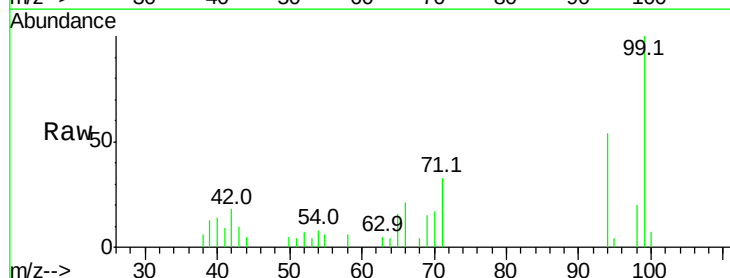
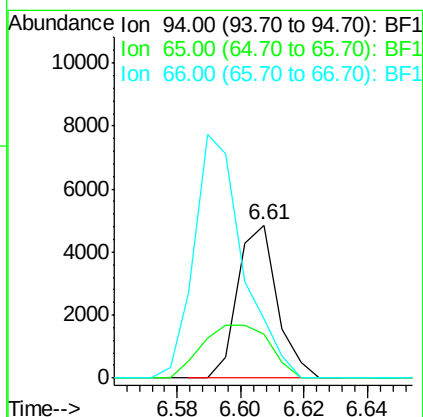
RT: 6.61 min Scan# 726

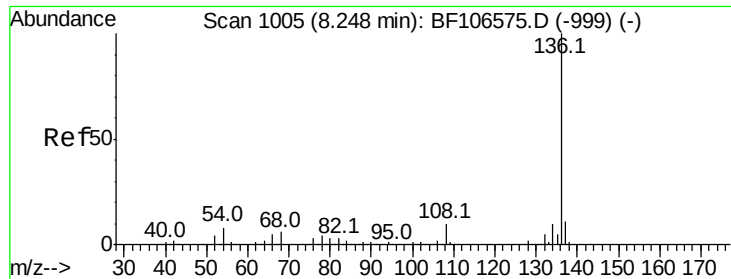
Delta R.T. -0.02 min

Lab File: BF106884.D

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Tgt Ion:	94	Resp:	4172
Ion Ratio	Lower	Upper	
94	100		
65	29.0	7.9	47.9
66	38.8	16.2	56.2





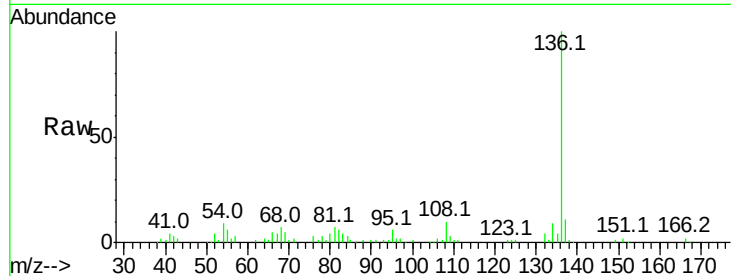
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-E

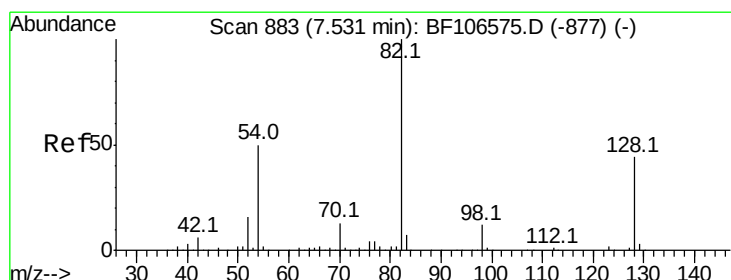
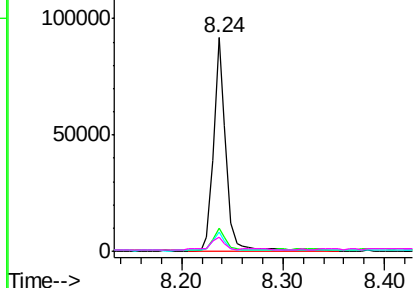
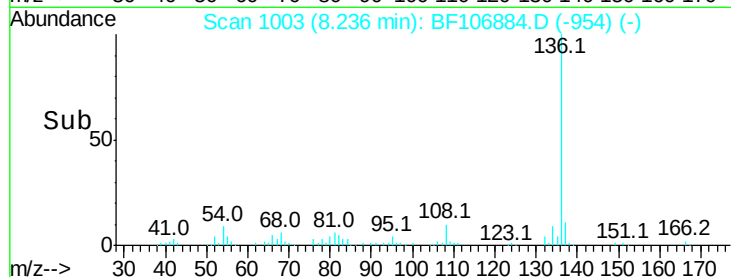
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	8.8	6.6	9.8	
68	6.7	5.0	7.4	

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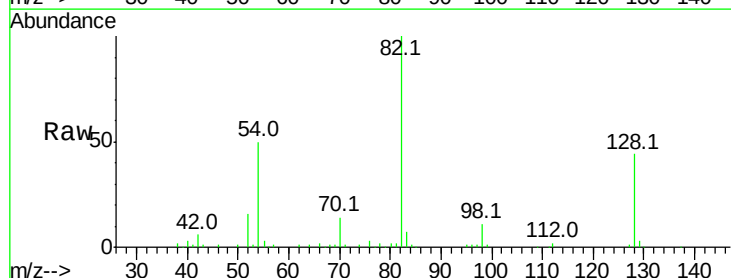


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

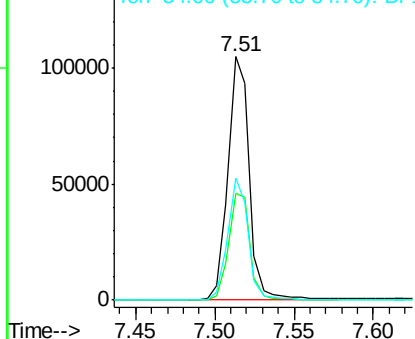
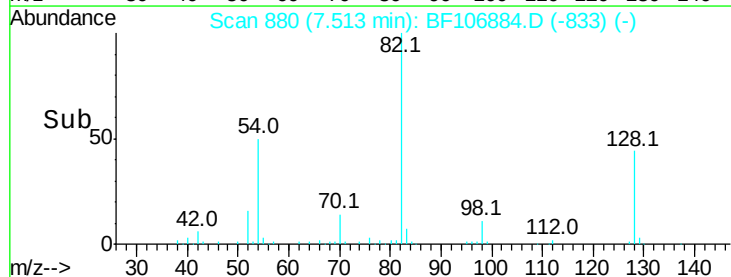


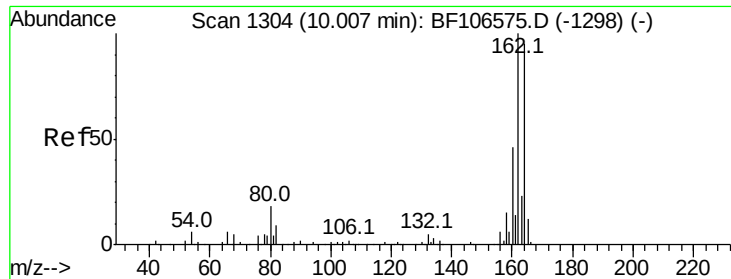
#23
Nitrobenzene-d5
Concen: 70.210 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	36.1	54.1	
54	50.2	41.4	62.2	



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





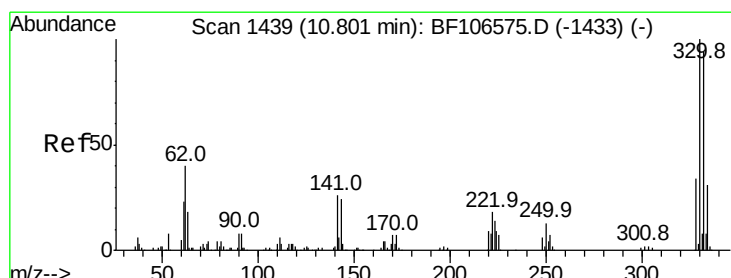
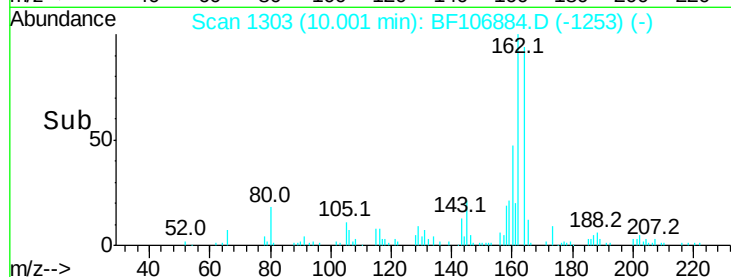
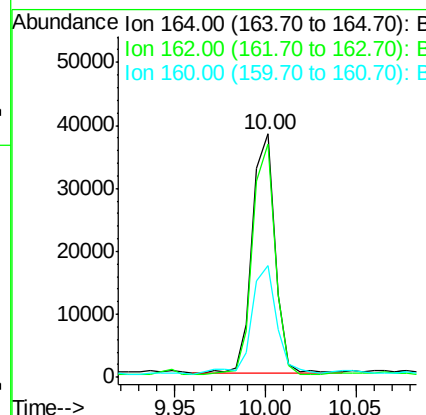
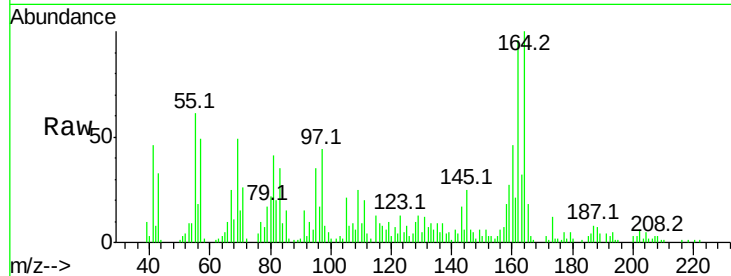
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:164 Resp: 33211
Ion Ratio Lower Upper
164 100
162 95.8 86.1 129.1
160 45.8 38.3 57.5

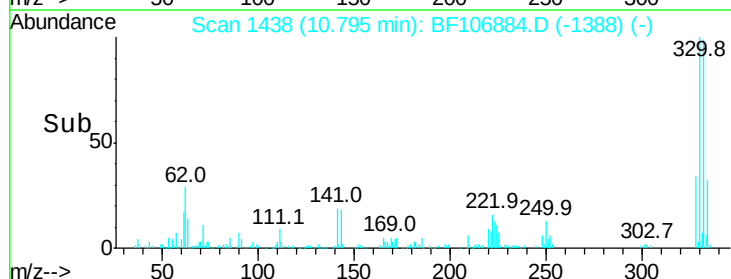
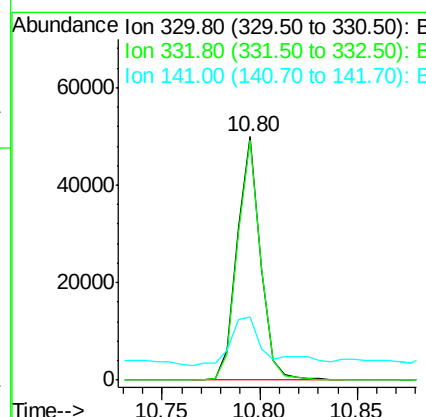
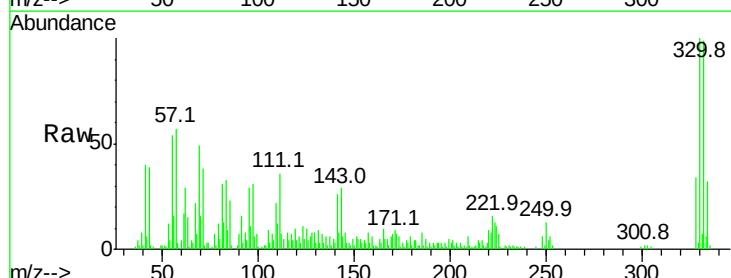
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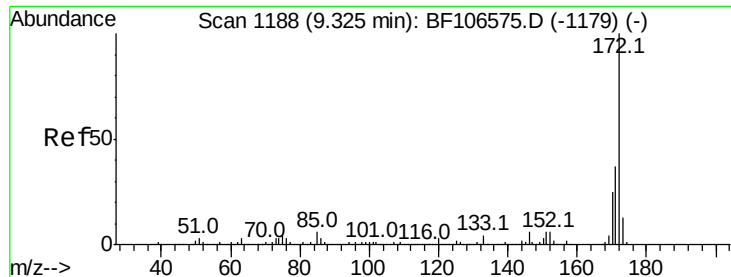
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#41
2,4,6-Tribromophenol
Concen: 107.161 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion:330 Resp: 41249
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 25.6 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 98.579 ng

RT: 9.31 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA_F

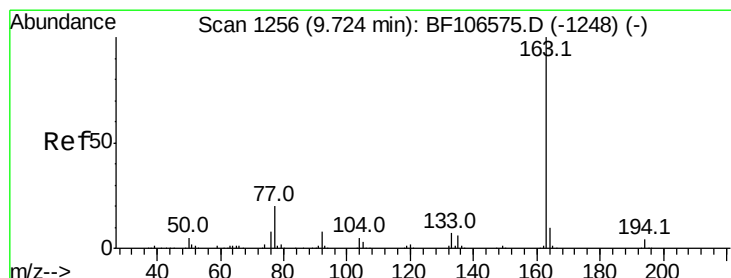
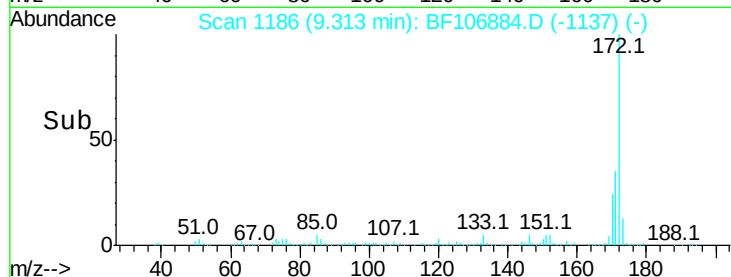
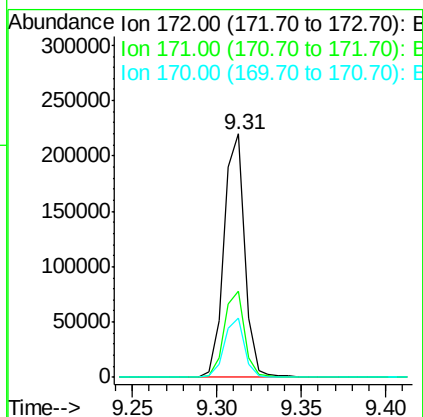
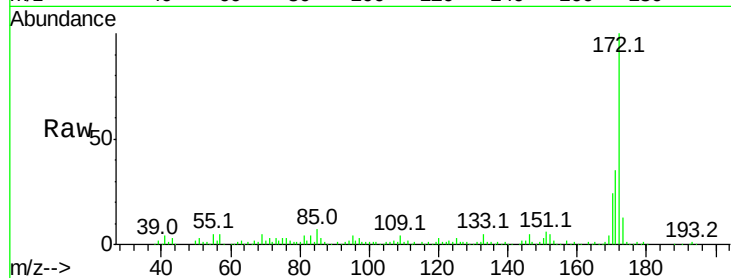
ClientSampleId :

JC-02-062618-E

Tot Ion:	172	Resp:	188798
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.7	44.5
170	24.1	19.6	29.4

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#49

Dimethylphthalate

Concen: 13.745 ng

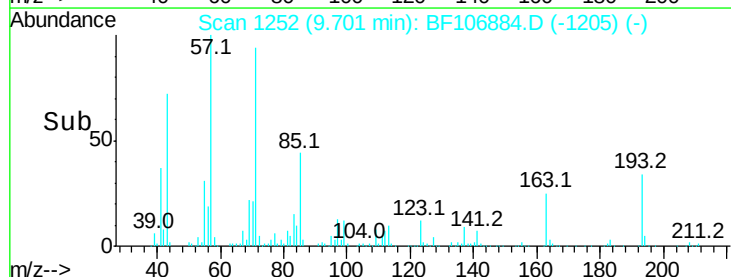
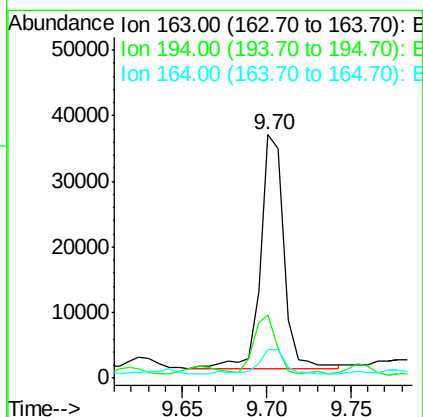
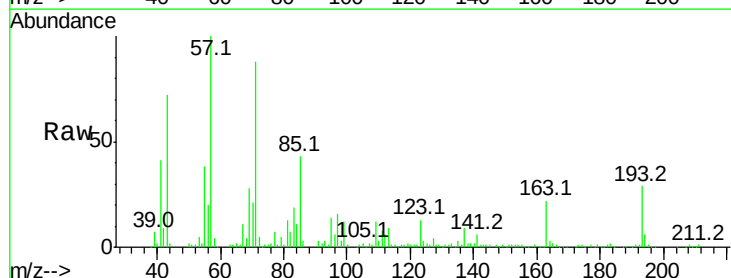
RT: 9.70 min Scan# 1252

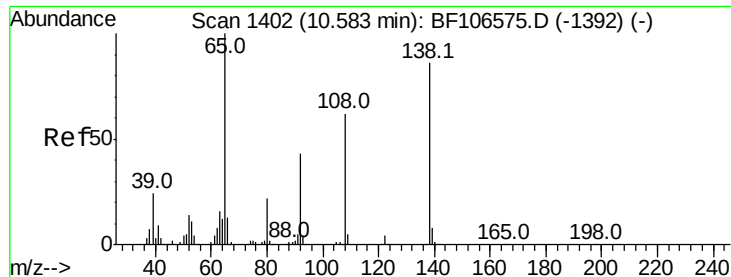
Delta R.T. -0.02 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Tgt Ion:	163	Resp:	34237
Ion Ratio	Lower	Upper	
163	100		
194	25.9	2.7	4.1#
164	11.7	8.2	12.2





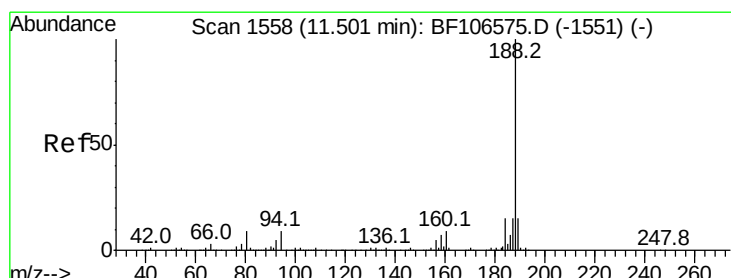
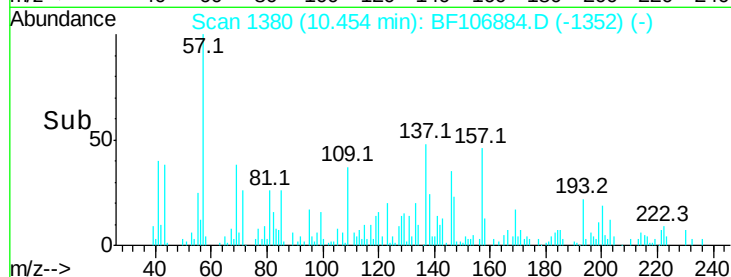
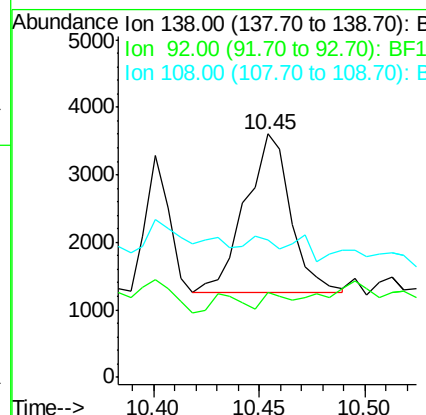
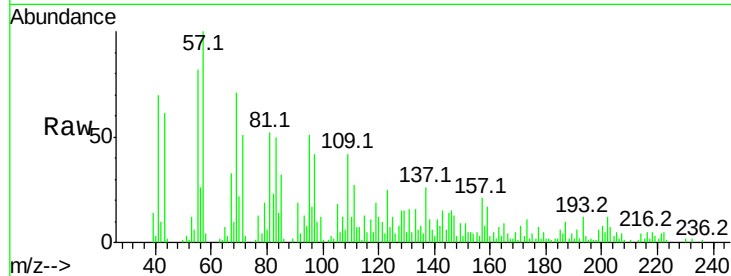
#61
4-Nitroaniline
Concen: 5.835 ng
RT: 10.45 min Scan# 1380
Delta R.T. -0.14 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
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Tot Ion	Ratio	Lower	Upper
138	100		
92	34.6	30.2	70.2
108	56.4	52.5	92.5

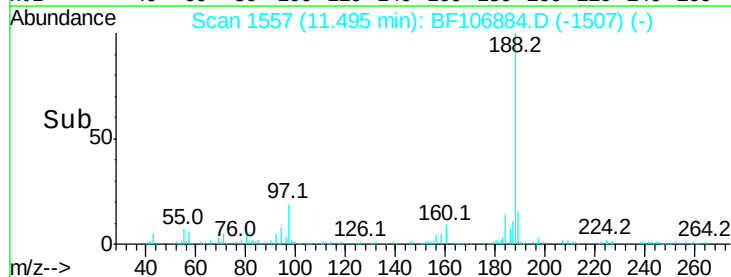
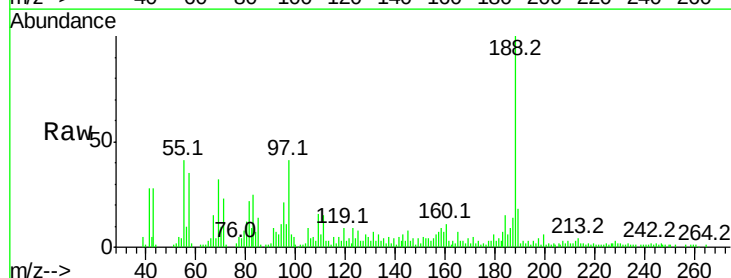
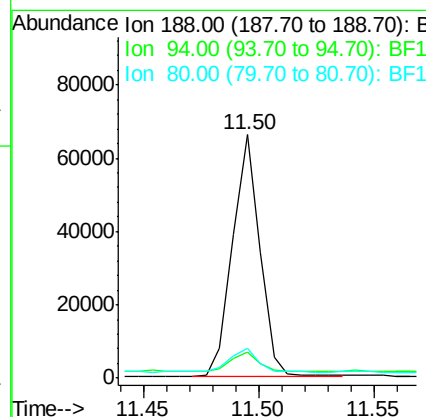
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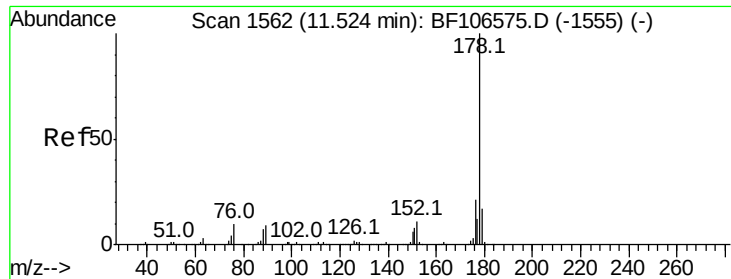
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	12.1	9.2	13.8





#70

Phenanthrene

Concen: 7.918 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA_F

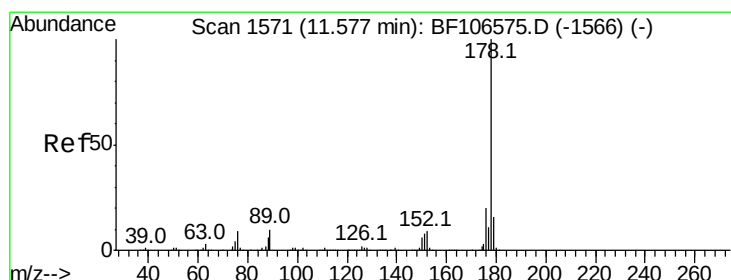
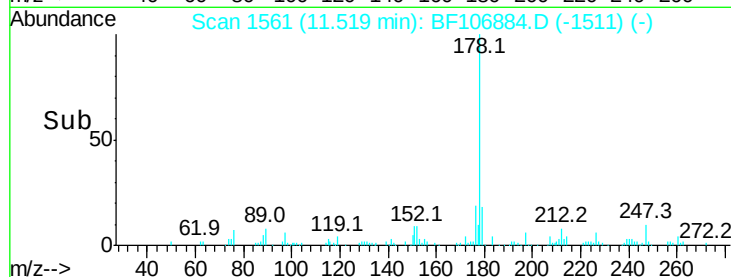
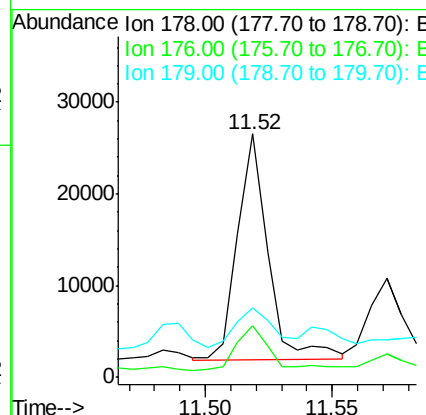
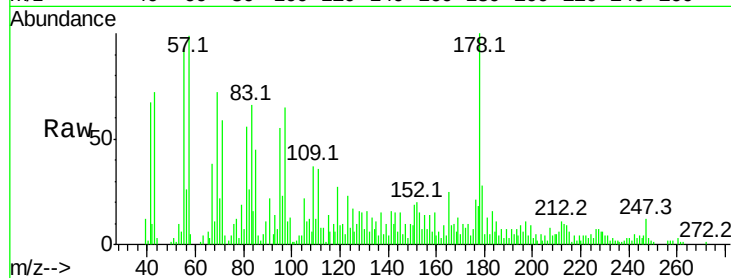
ClientSampleId :

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Tot Ion:178	Resp:	20713
Ion Ratio	Lower	Upper
178	100	
176	21.0	15.8 23.8
179	28.4	13.0 19.6#

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#71

Anthracene

Concen: 2.735 ng

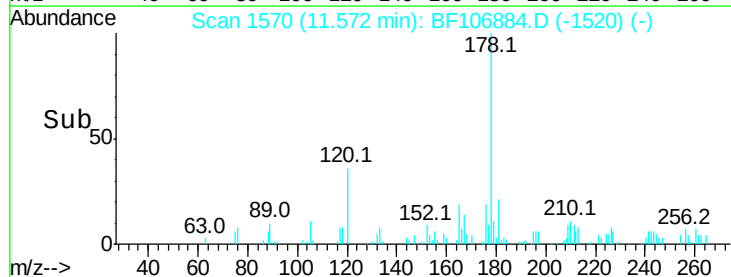
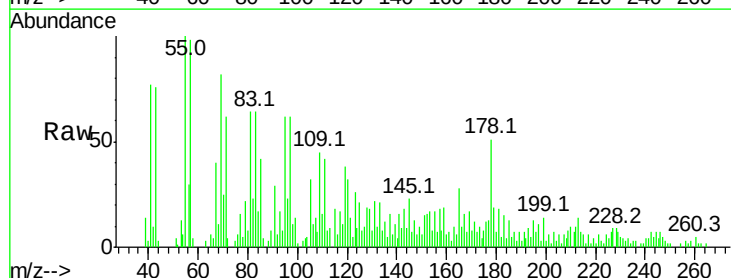
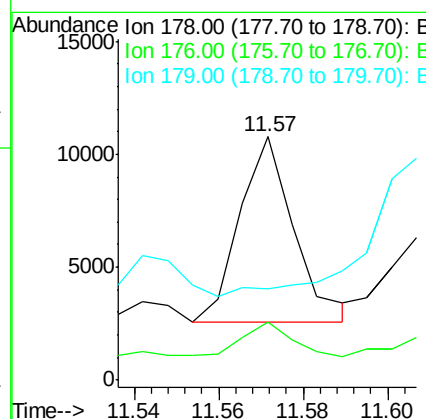
RT: 11.57 min Scan# 1570

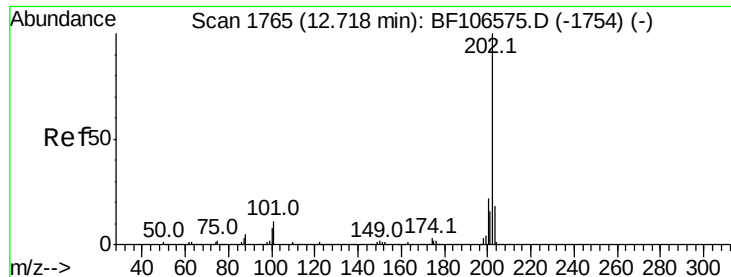
Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Tgt Ion:178	Resp:	7304
Ion Ratio	Lower	Upper
178	100	
176	24.0	15.4 23.2#
179	37.8	12.6 19.0#





#74

Fluoranthene

Concen: 17.152 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA_F

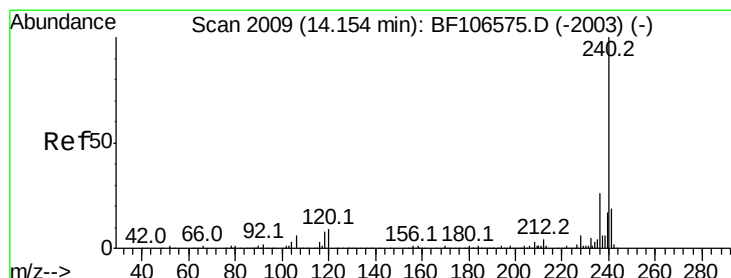
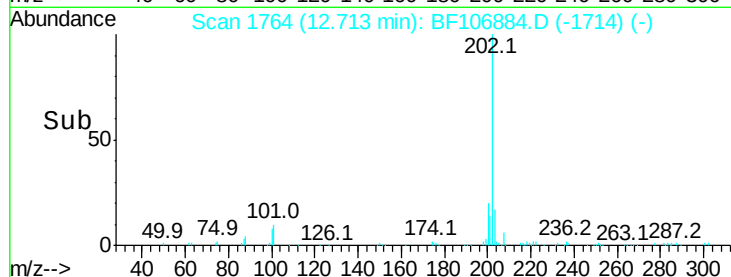
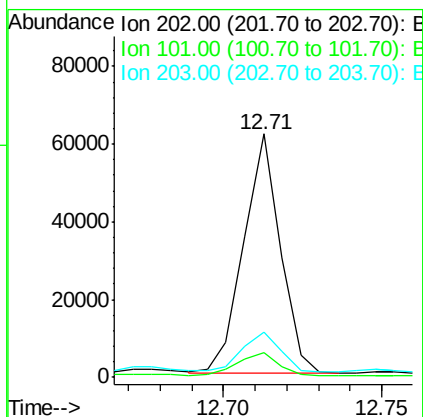
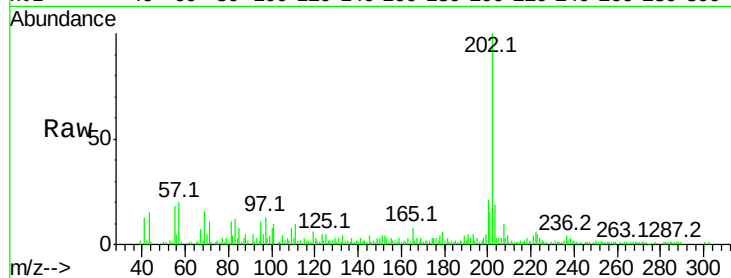
ClientSampleId :

JC-02-062618-E

Tot Ion:	202	Resp:	49455
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	34.1
203	18.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

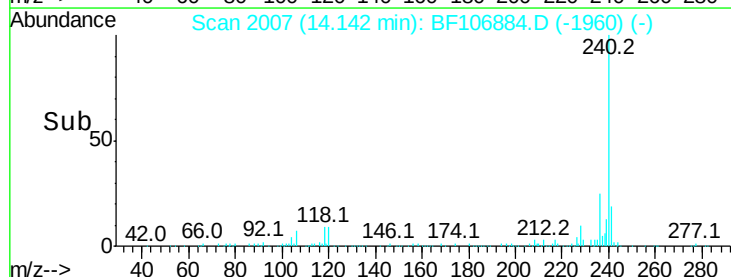
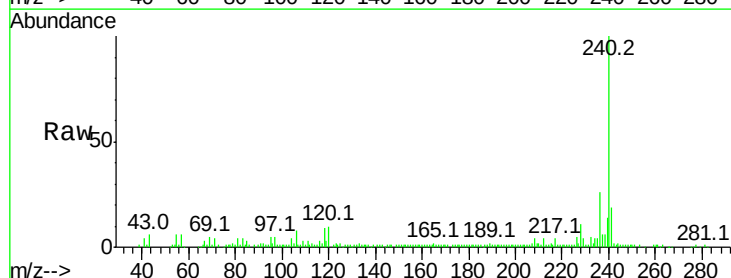
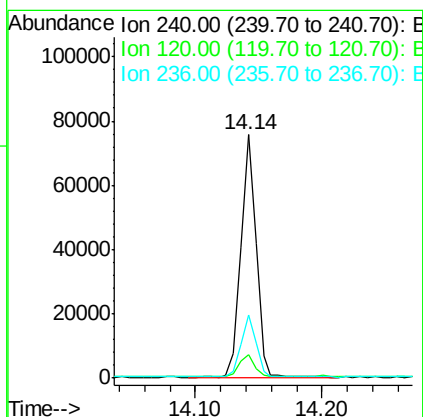
RT: 14.14 min Scan# 2007

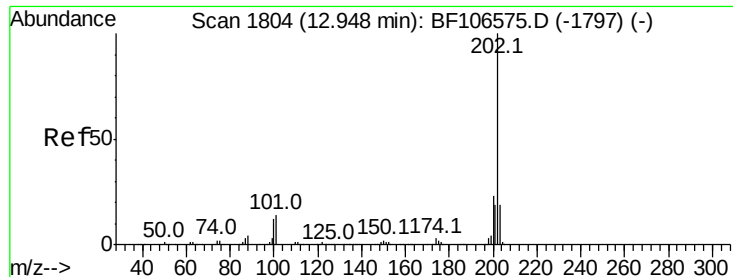
Delta R.T. -0.02 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Tgt Ion:	240	Resp:	63653
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 14.289 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA_F

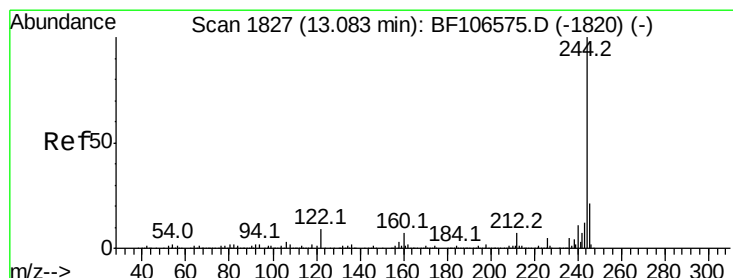
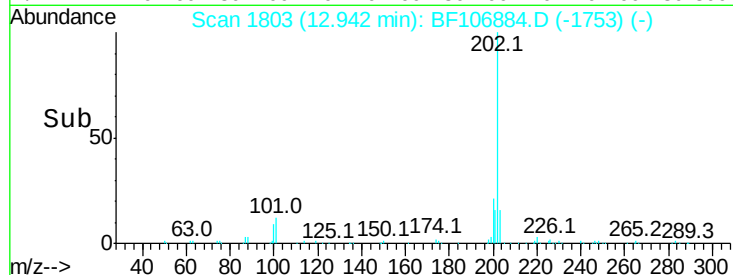
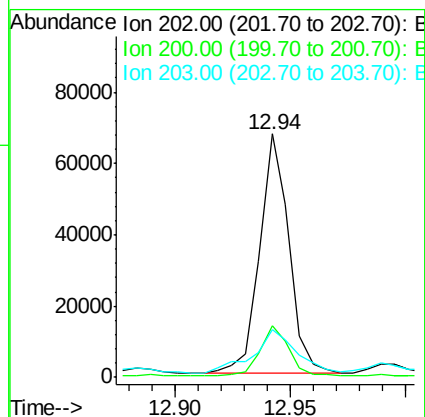
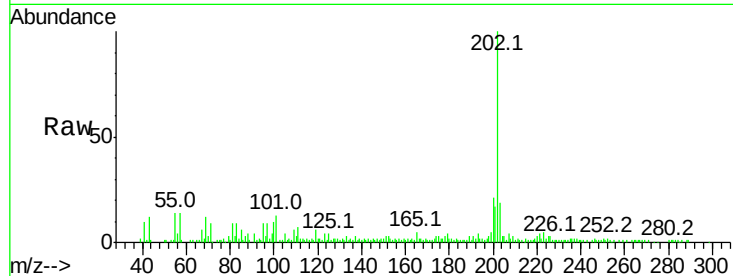
ClientSampleId :

JC-02-062618-E

Tot Ion:	202	Resp:	59977
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	19.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 77.239 ng

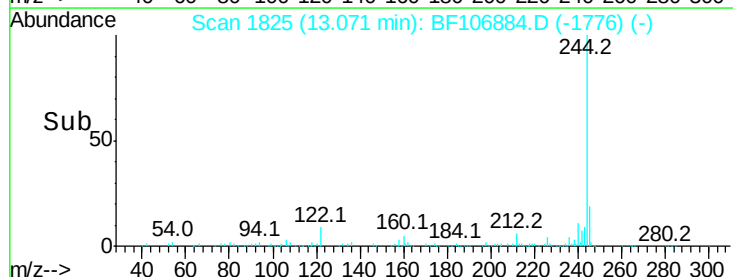
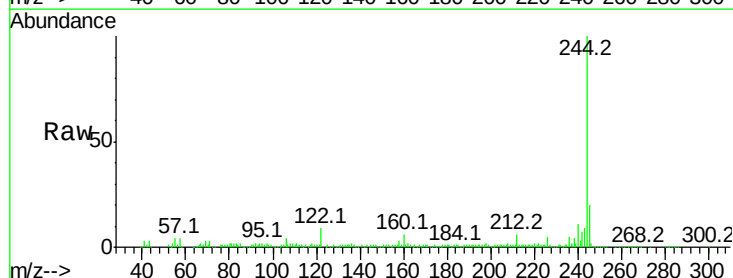
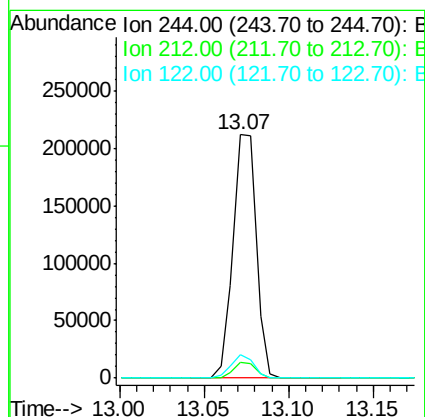
RT: 13.07 min Scan# 1825

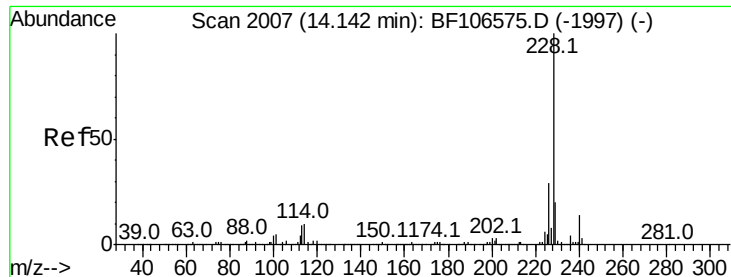
Delta R.T. -0.01 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Tgt Ion:	244	Resp:	202969
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.4	8.0
122	9.4	11.0	16.4#





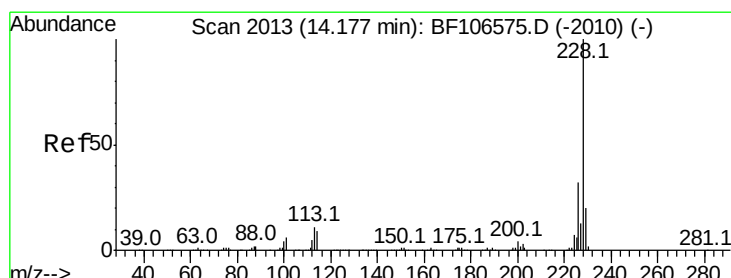
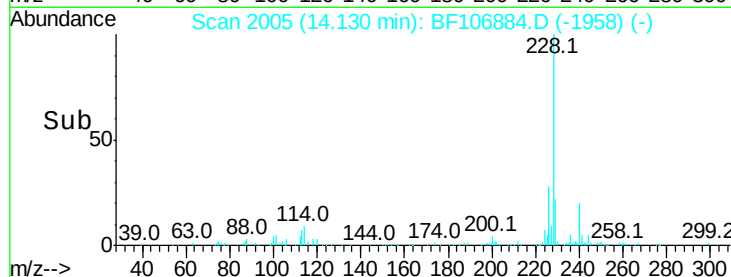
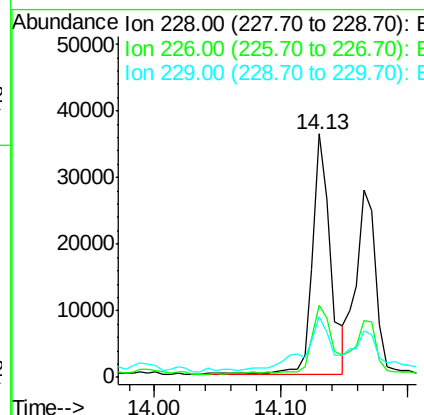
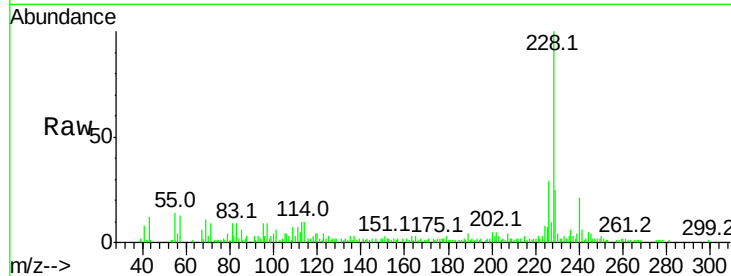
#80
Benzo(a)anthracene
Concen: 9.082 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-E

Tot Ion	Ratio	Resp	Lower	Upper
228	100	35233		
226	29.5		22.6	33.8
229	25.1		15.8	23.6

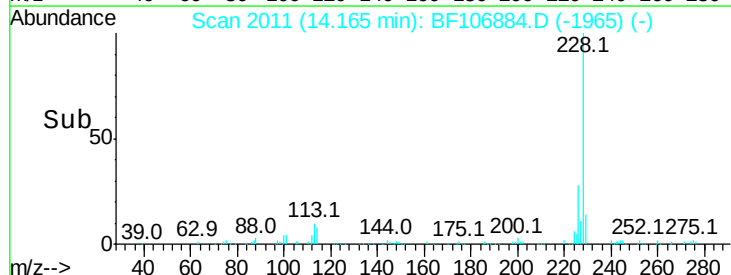
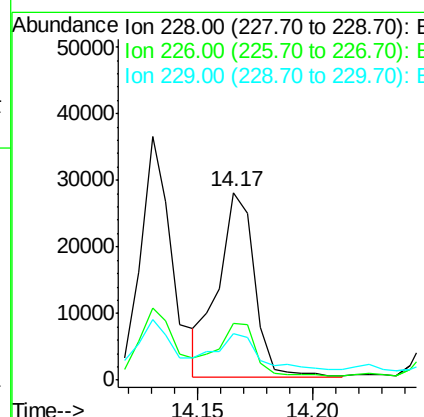
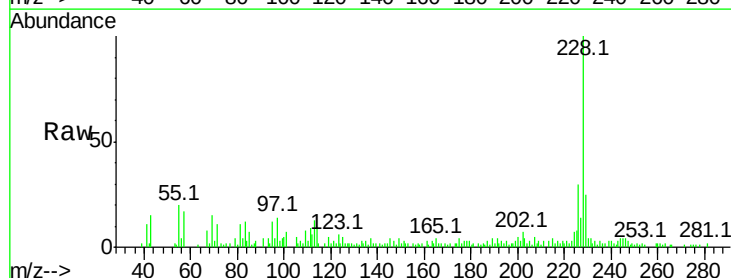
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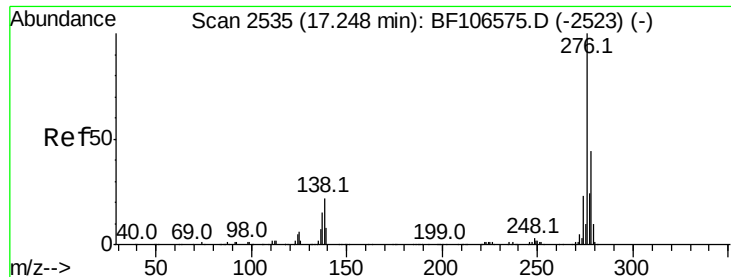
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#82
Chrysene
Concen: 8.504 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	30351		
226	30.2		25.0	37.6
229	24.9		16.2	24.4





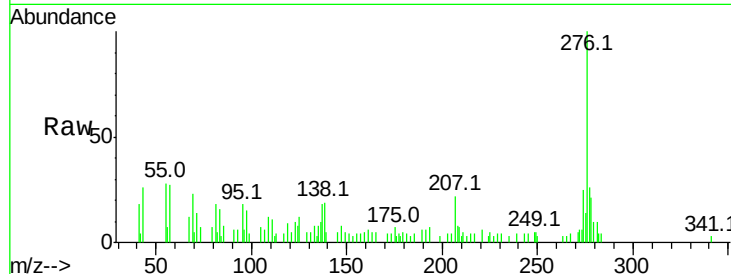
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.415 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.06 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-E

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	27.8	20.1	30.1

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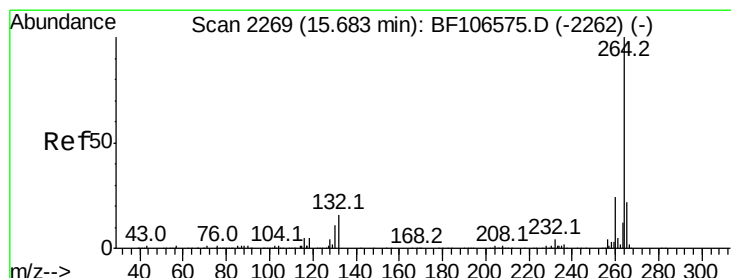
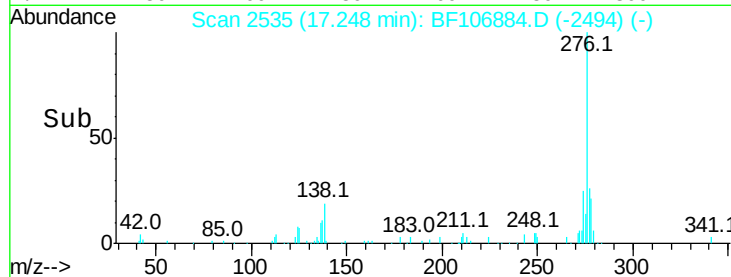
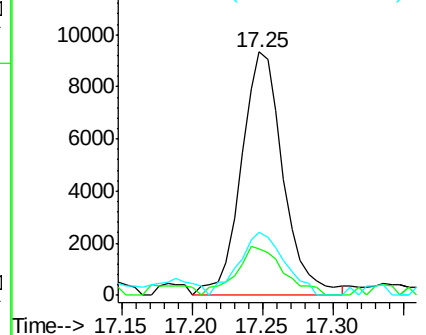


Abundance

Ion 276.00 (275.70 to 276.70): E

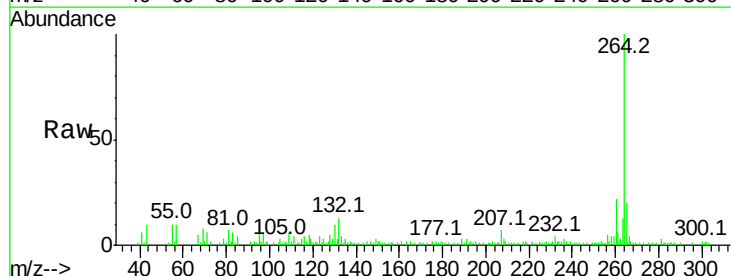
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	19.5	17.5	26.3

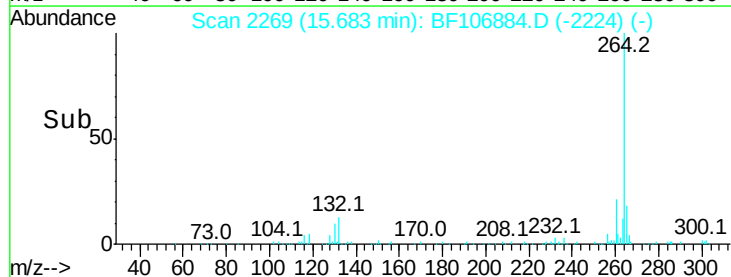
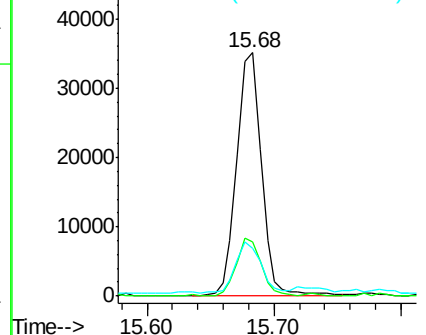


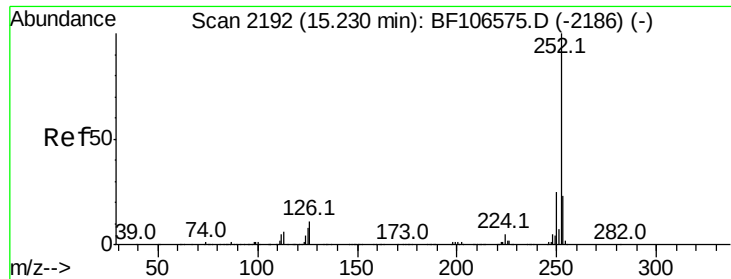
Abundance

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: 15.510 ng m

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Instrument :

BNA_F

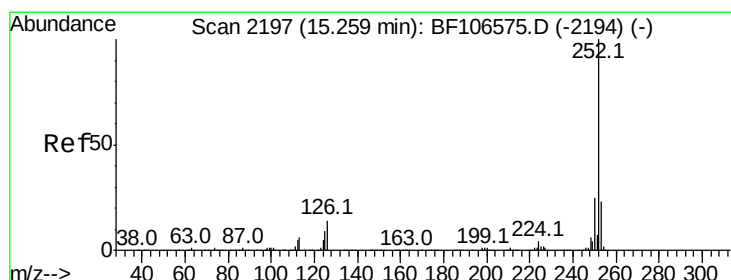
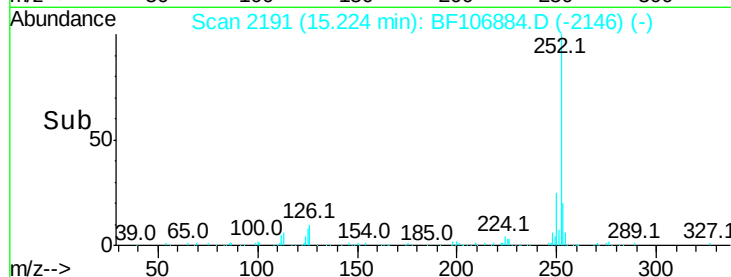
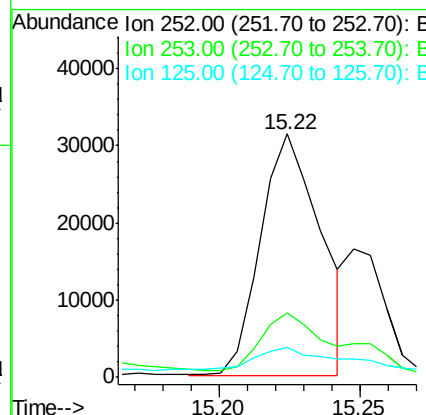
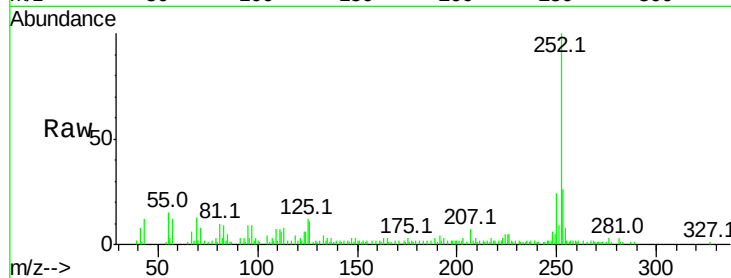
ClientSampleId :

JC-02-062618-E

Tot Ion:	252	Resp:	46232
Ion Ratio	Lower	Upper	
252	100		
253	26.4	17.0	25.6#
125	12.2	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 5.512 ng m

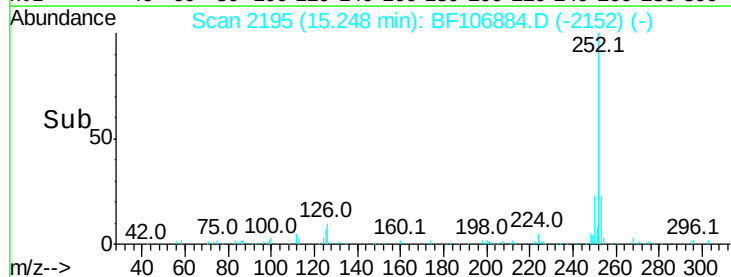
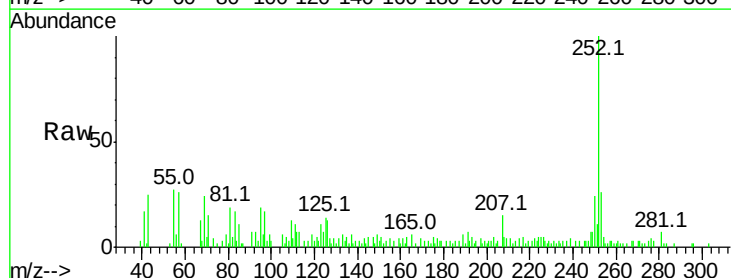
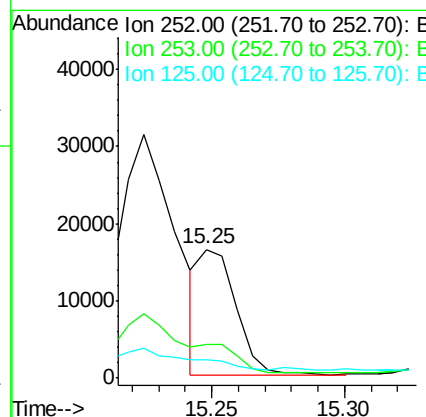
RT: 15.25 min Scan# 2195

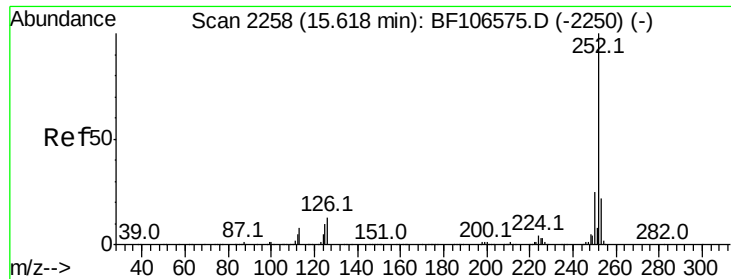
Delta R.T. -0.05 min

Lab File: BF106884.D

Acq: 27 Jun 2018 20:40

Tgt Ion:	252	Resp:	15648
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.9	26.9
125	14.3	10.2	15.2





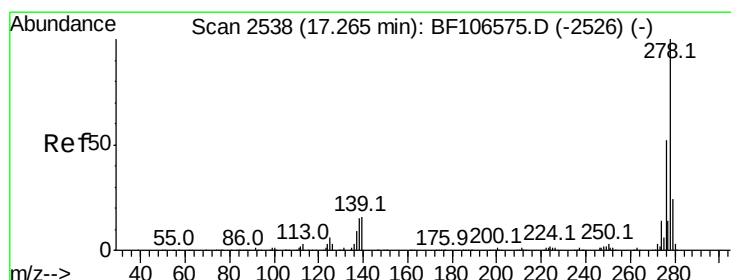
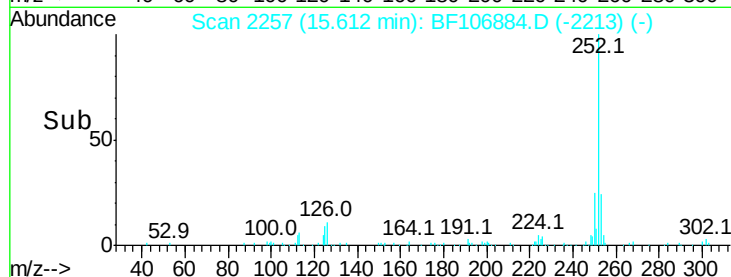
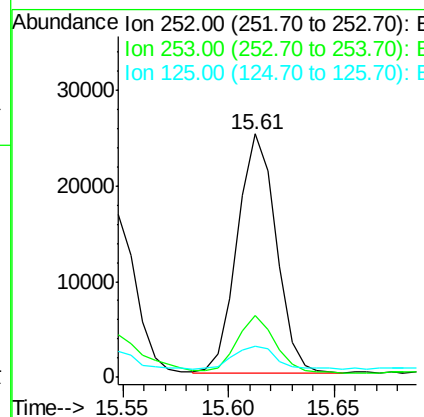
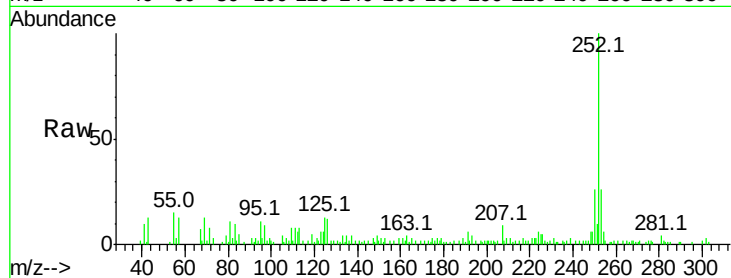
#89
Benzo(a)pyrene
Concen: 12.107 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Instrument :
BNA_F
ClientSampleId :
JC-02-062618-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	12.6	9.8	14.6

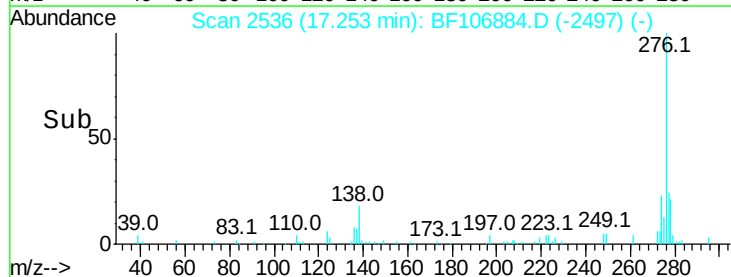
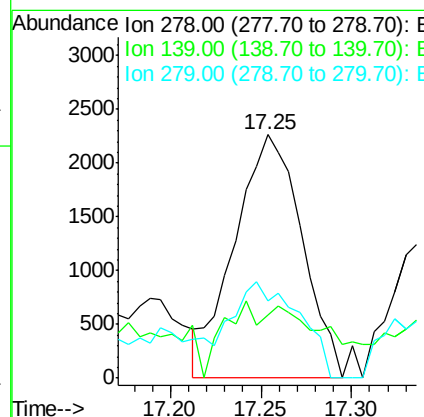
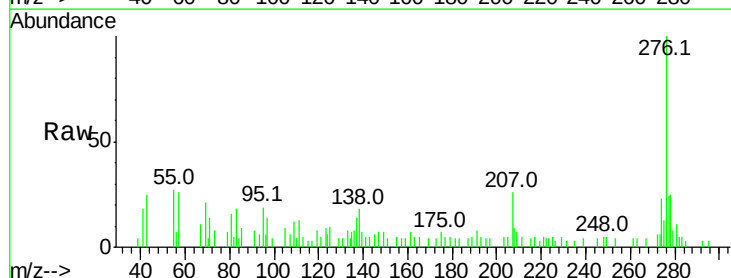
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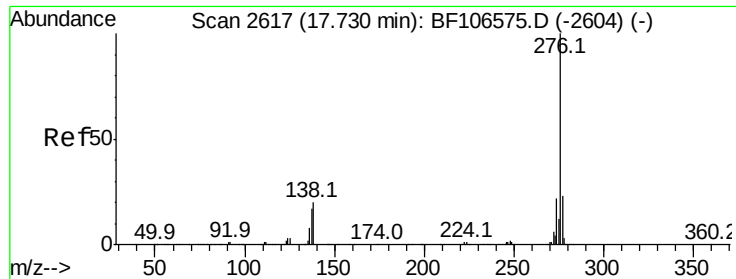
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#90
Dibenzo(a,h)anthracene
Concen: 2.614 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.07 min
Lab File: BF106884.D
Acq: 27 Jun 2018 20:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.1	15.9	23.9#
279	31.6	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 8.386 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. -0.06 min
 Lab File: BF106884.D
 Acq: 27 Jun 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-062618-E

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	18.2	21.8	32.8

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