

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097860.D
 Acq On : 19 Aug 2017 4:08
 Operator : SJ/JU
 Sample : I4474-04 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BC8B4

Manual Integrations
 APPROVED

Sohil
 8/21/2017 6:18:53 AM

Quant Time: Aug 19 05:42:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	107997	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	426734	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	189165	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	347935	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	281600	20.00	ng	-0.01
86) Perylene-d12	15.36	264	240051	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	55339	7.79	ng	-0.02
7) Phenol-d6	6.39	99	77323	8.02	ng	-0.02
23) Nitrobenzene-d5	7.33	82	45788	5.83	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	12251	7.46	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	74112	5.76	ng	-0.02
78) Terphenyl-d14	12.87	244	58943	4.36	ng	-0.02
Target Compounds						
57) Fluorene	10.35	166	50229	3.840	ng	Qvalue 100
70) Phenanthrene	11.32	178	330875	17.846	ng	99
71) Anthracene	11.36	178	90325	4.803	ng	99
74) Fluoranthene	12.50	202	327821	16.940	ng	98
77) Pyrene	12.73	202	279455	12.134	ng	98
80) Benzo(a)anthracene	13.92	228	127691	7.566	ng	99
82) Chrysene	13.95	228	105047	6.257	ng	98
85) Indeno(1,2,3-cd)pyrene	16.75	276	39600	3.206	ng	# 89
87) Benzo(b)fluoranthene	14.94	252	124022m	8.196	ng	
88) Benzo(k)fluoranthene	14.97	252	41759m	2.938	ng	
89) Benzo(a)pyrene	15.30	252	83582	6.240	ng	99
91) Benzo(a,h,i)perylene	17.17	276	37950	3.335	ng	96

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

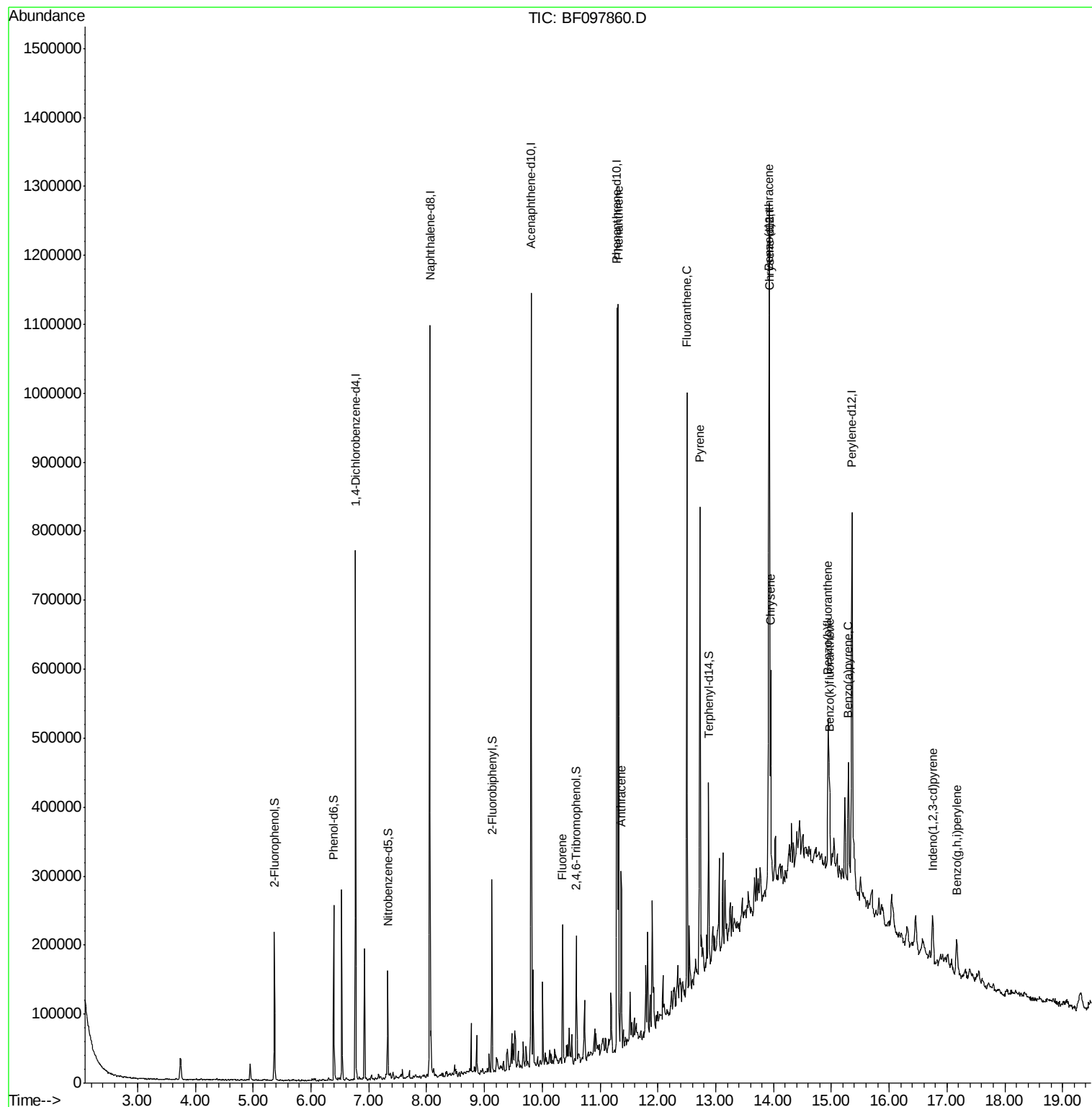
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

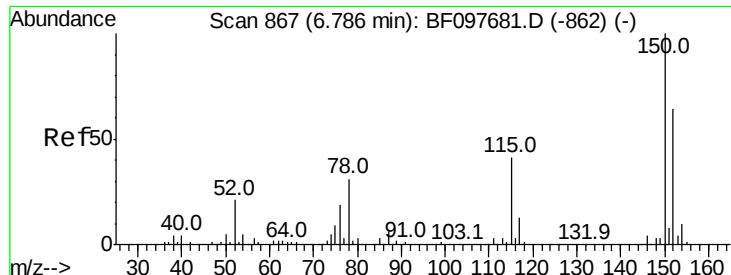
Instrument :
BNA_F
ClientSampleId :
BC8B4

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#1

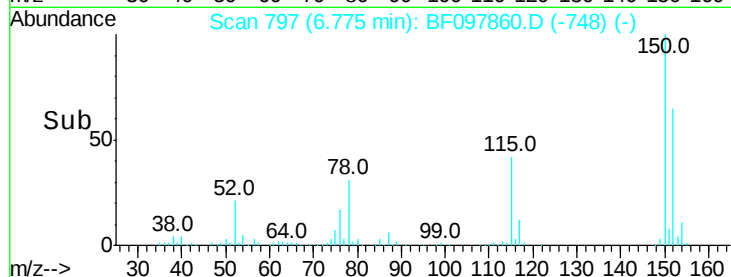
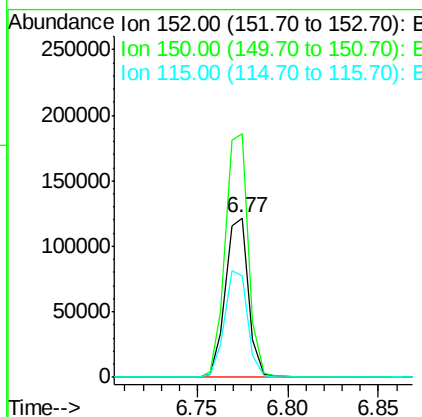
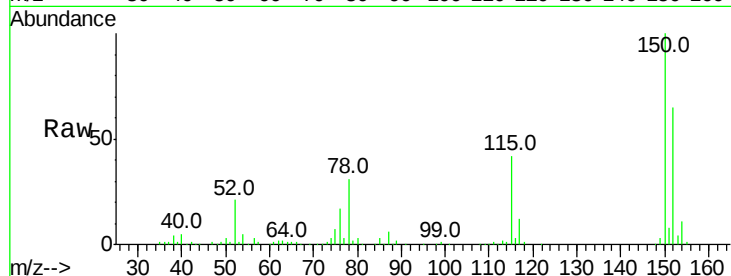
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Instrument :
BNA_F
ClientSampled :
BC8B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	126.2	189.2
115	63.7	52.2	78.2

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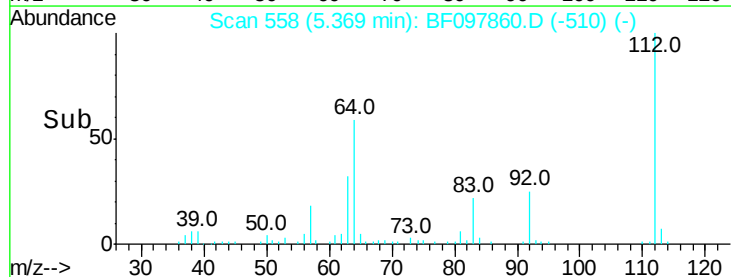
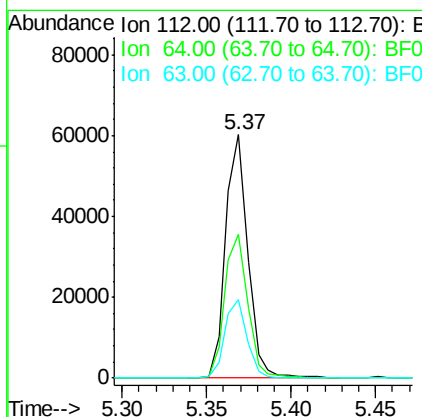
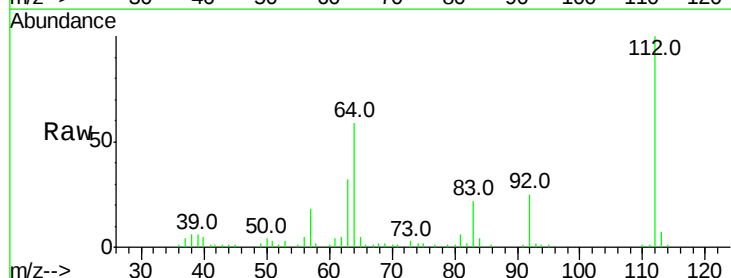
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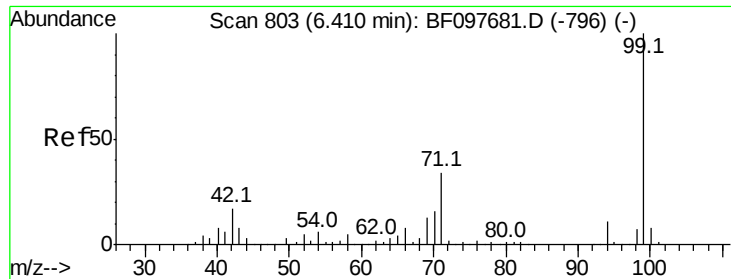


#5

2-Fluorophenol
Concen: 7.794 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	32.1	23.4	35.0





#7

Phenol-d6

Concen: 8.015 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097860.D

Acq: 19 Aug 2017 4:08

Instrument :

BNA_F

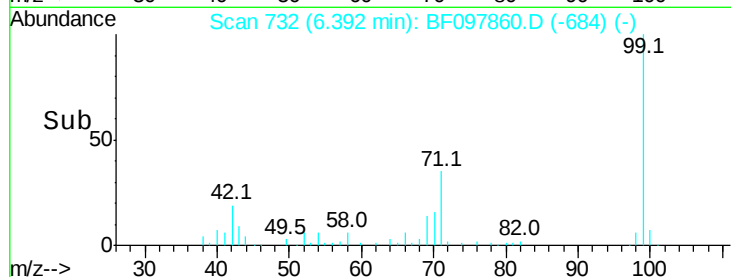
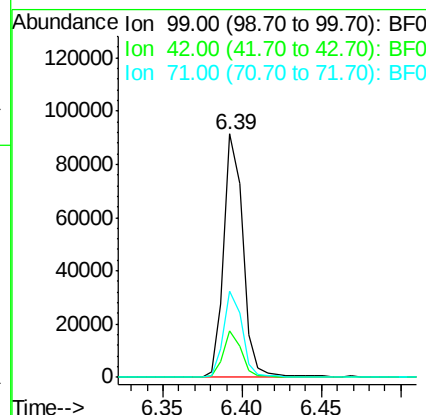
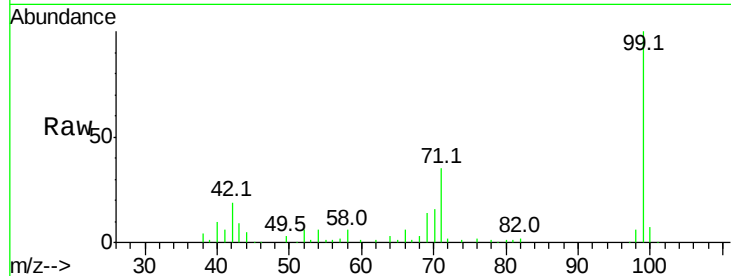
ClientSampleId :

BC8B4

Tot Ion:	99	Resp:	77323
Ion Ratio	Lower	Upper	
99	100		
42	19.0	13.5	20.3
71	35.5	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

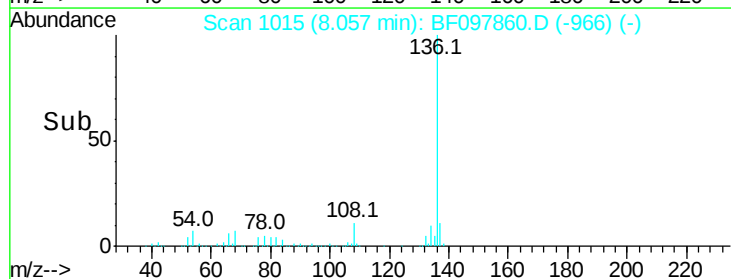
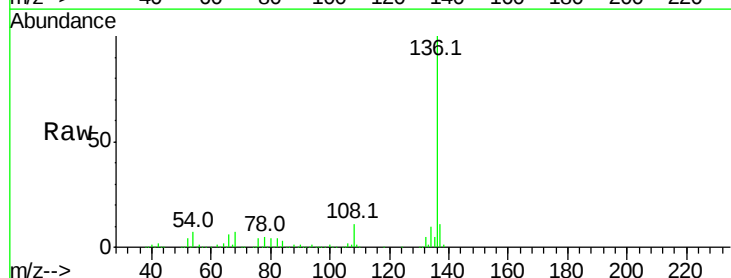
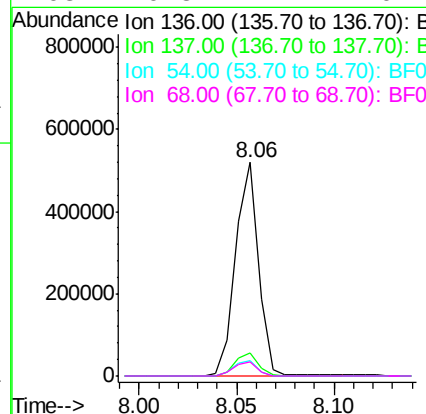
RT: 8.06 min Scan# 1015

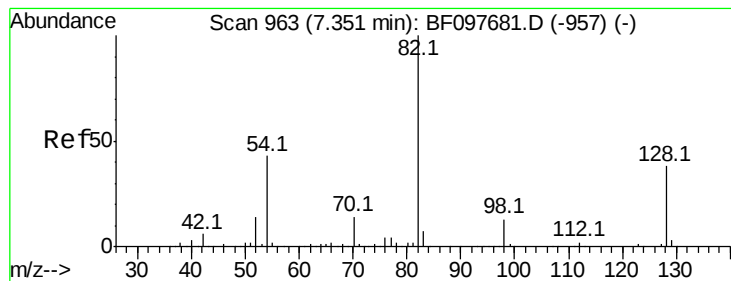
Delta R.T. -0.01 min

Lab File: BF097860.D

Acq: 19 Aug 2017 4:08

Tgt Ion:	136	Resp:	426734
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	6.8	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 5.829 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF097860.D

Acq: 19 Aug 2017 4:08

Instrument :

BNA_F

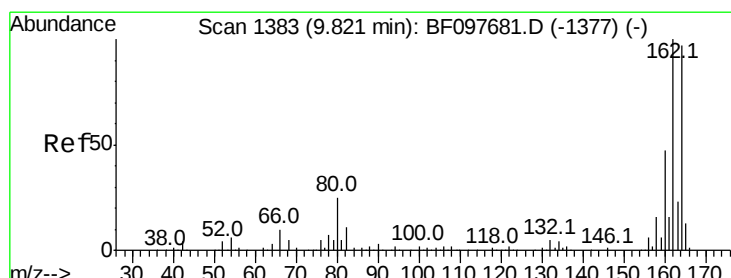
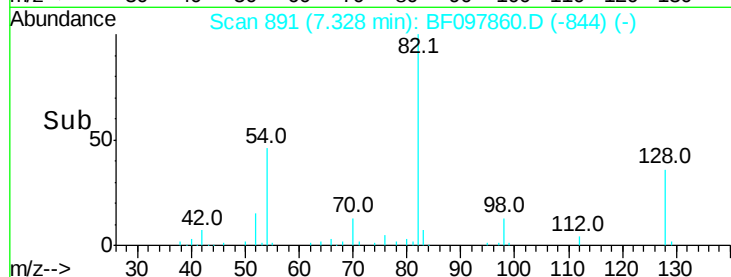
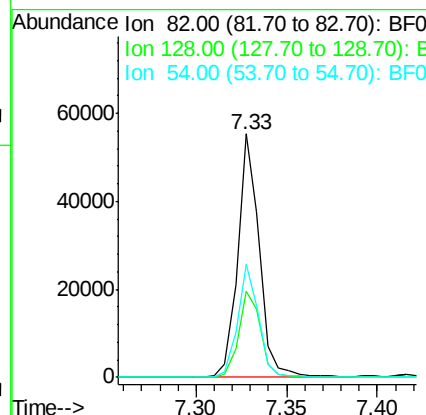
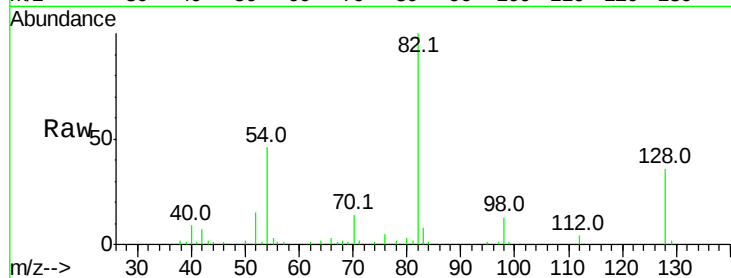
ClientSampled :

BC8B4

Tot Ion:	82	Resp:	45788
Ion Ratio	Lower	Upper	
82	100		
128	35.6	34.0	51.0
54	46.2	42.2	63.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

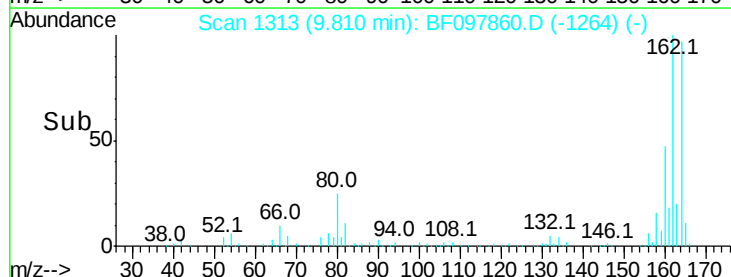
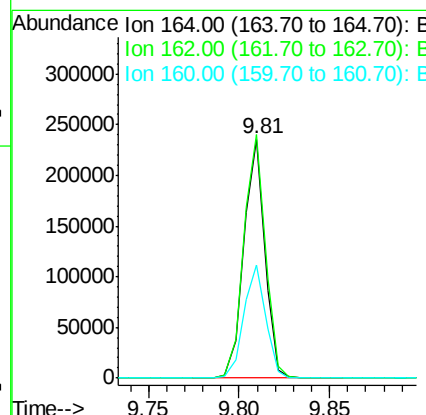
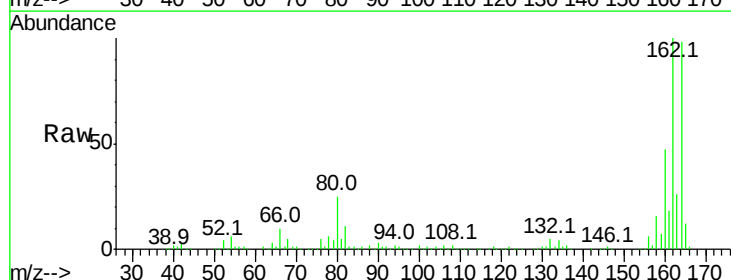
RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF097860.D

Acq: 19 Aug 2017 4:08

Tgt Ion:	164	Resp:	189165
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.6	123.8
160	47.7	36.2	54.2





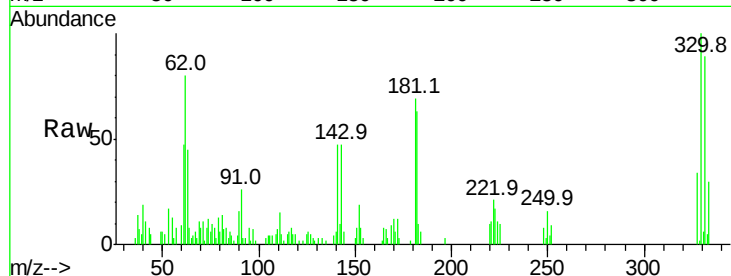
#41
 2,4,6-Tribromophenol
 Concen: 7.464 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF097860.D
 Acq: 19 Aug 2017 4:08

Instrument :
 BNA_F
 ClientSampled :
 BC8B4

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	91.4	76.6	115.0	
141	56.2	31.4	47.2	

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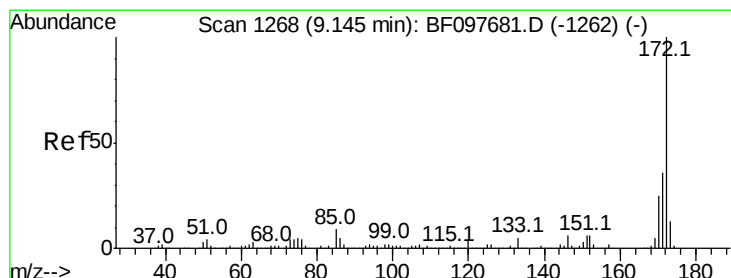
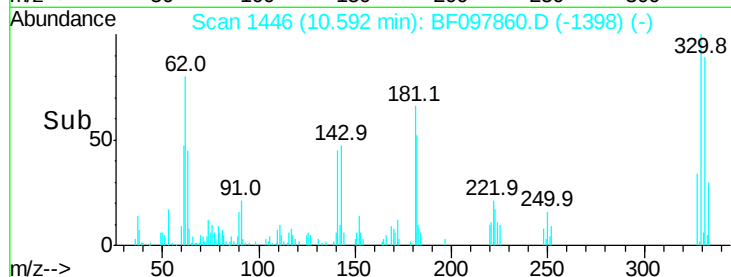
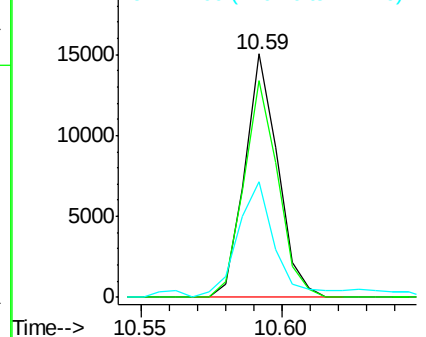


Abundance

Ion 329.80 (329.50 to 330.50): E

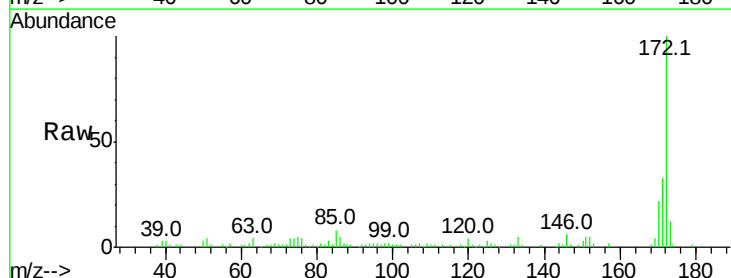
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 5.756 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097860.D
 Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	33.4	29.6	44.4	
170	21.9	19.8	29.8	

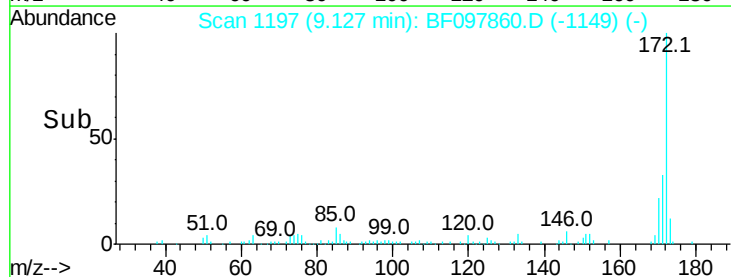
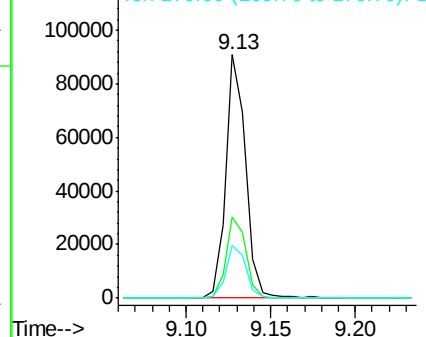


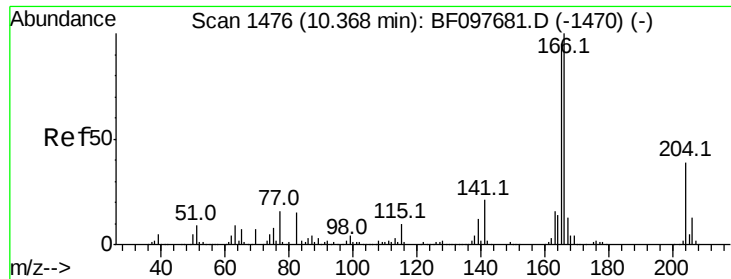
Abundance

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





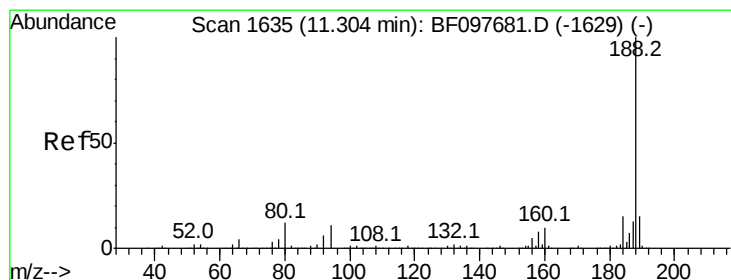
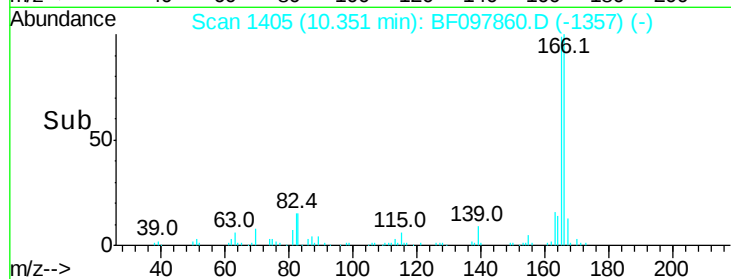
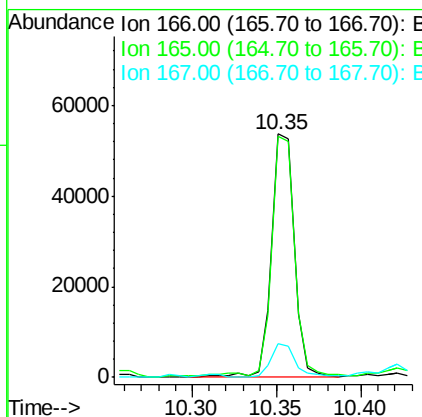
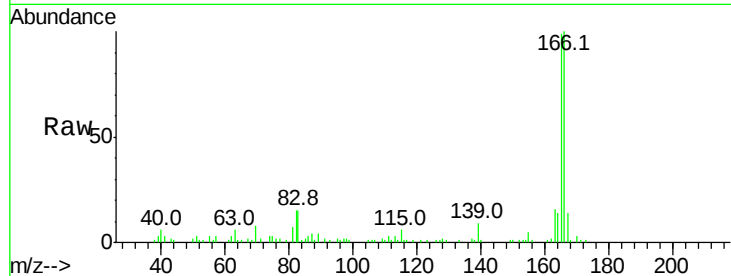
#57
Fluorene
 Concen: 3.840 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF097860.D
 Acq: 19 Aug 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 BC8B4

Tot Ion	Ratio	Resp	Lower	Upper
166	100	50229		
165	98.7		78.8	118.2
167	13.9		10.6	16.0

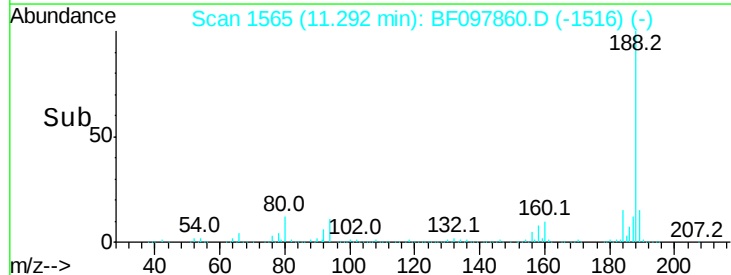
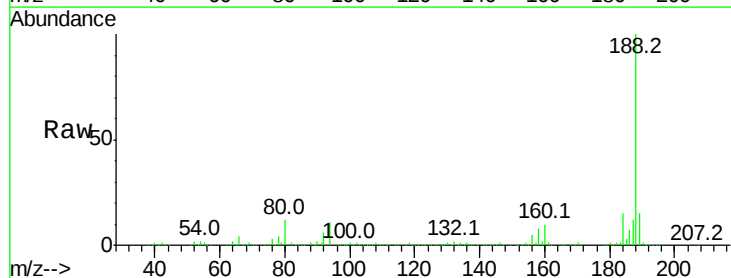
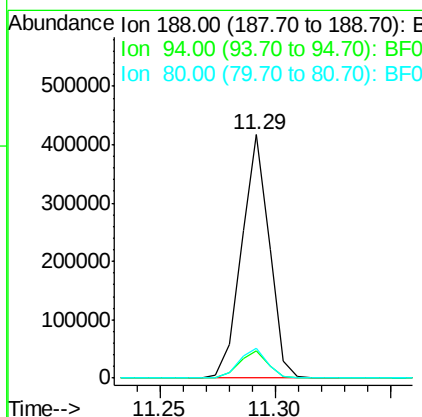
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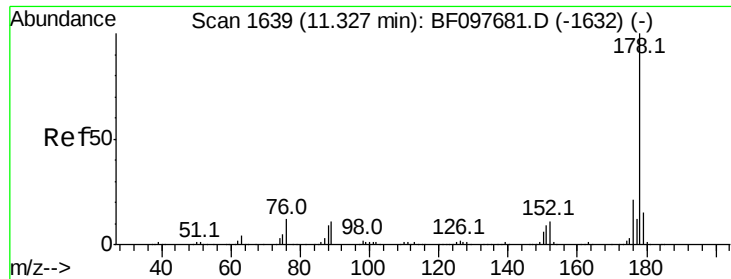
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF097860.D
 Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	347935		
94	11.1		9.4	14.2
80	12.0		10.2	15.2





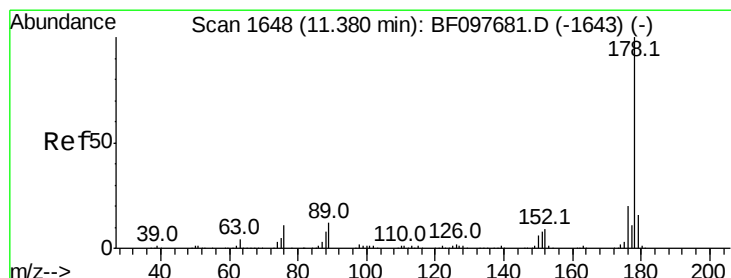
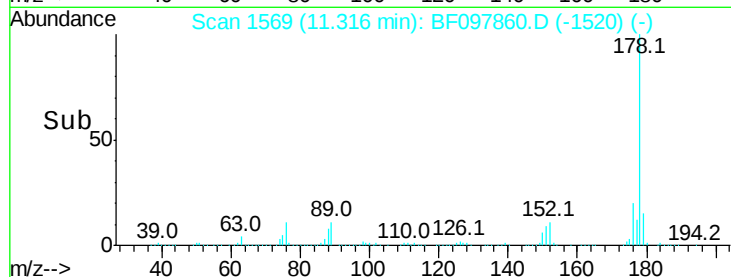
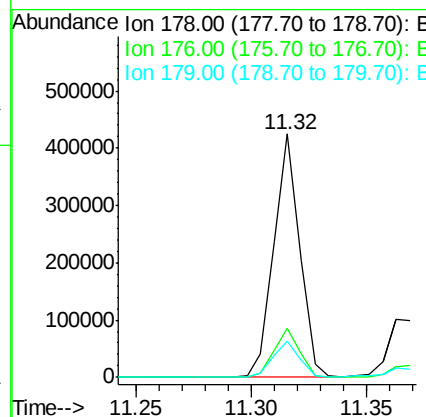
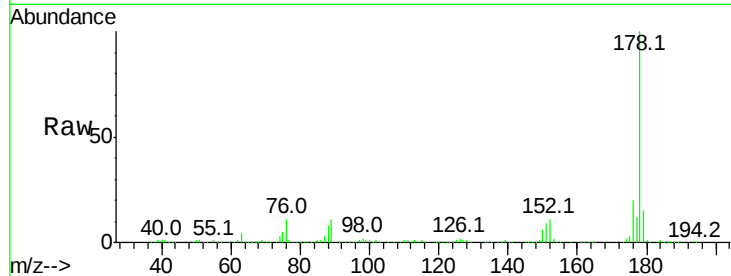
#70
Phenanthrene
Concen: 17.846 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Instrument :
BNA_F
ClientSampleId :
BC8B4

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.2	24.4
179	15.0	12.6	19.0

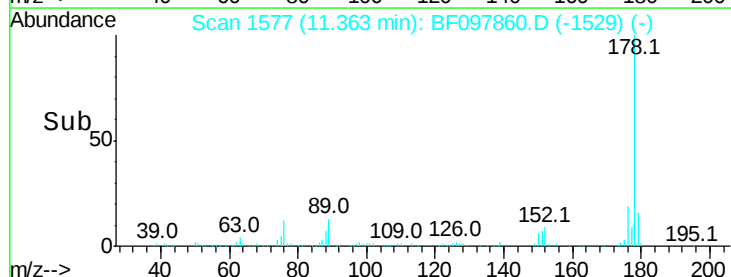
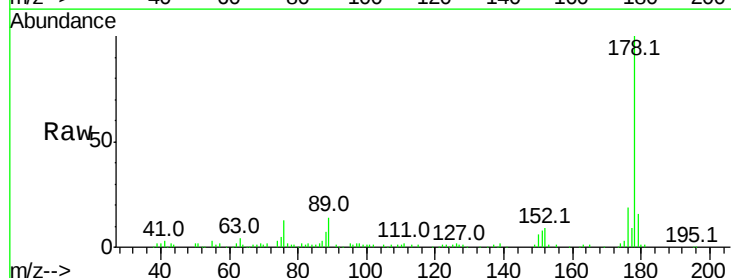
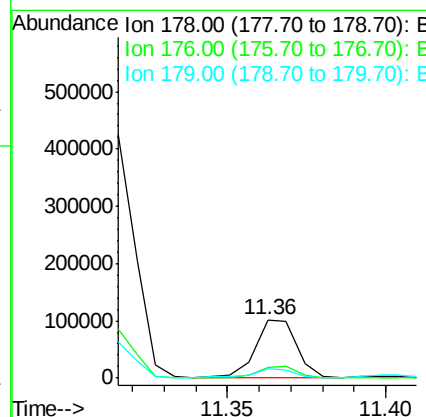
Manual Integrations
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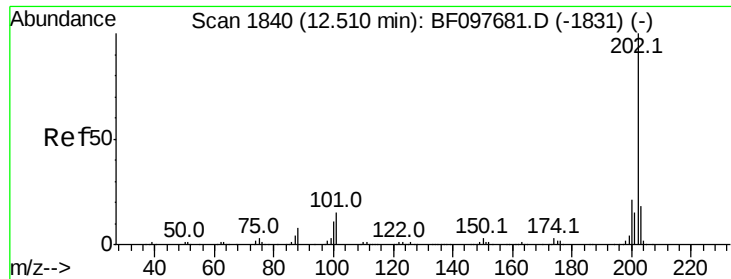
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#71
Anthracene
Concen: 4.803 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	12.7	19.1





#74

Fluoranthene

Concen: 16.940 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097860.D

Acq: 19 Aug 2017 4:08

Instrument :

BNA_F

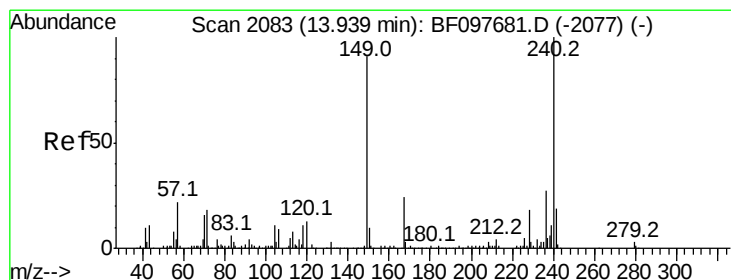
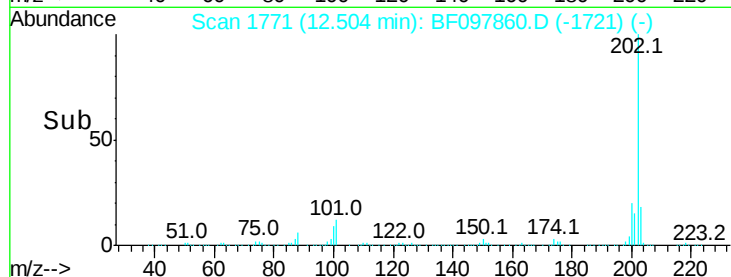
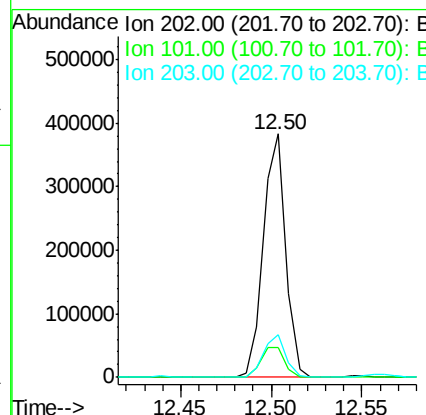
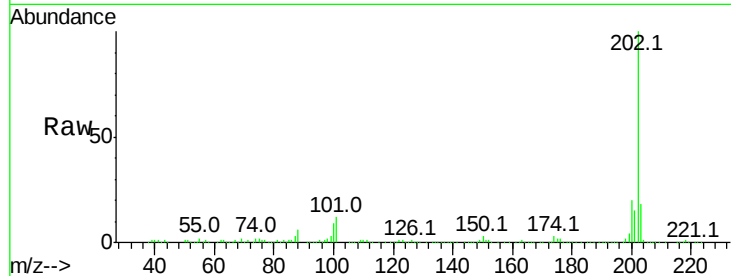
ClientSampled :

BC8B4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	33.2
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

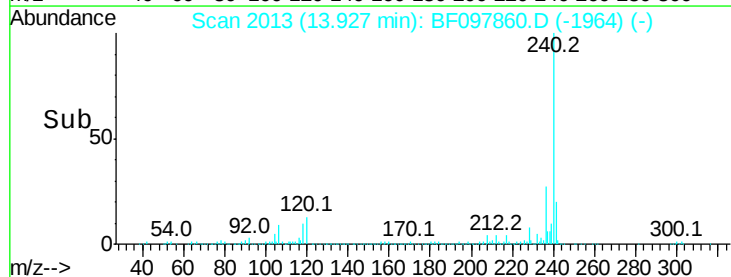
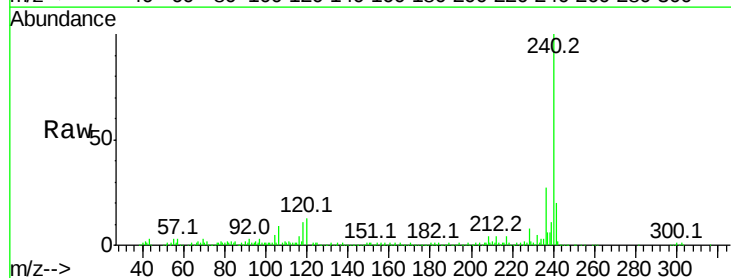
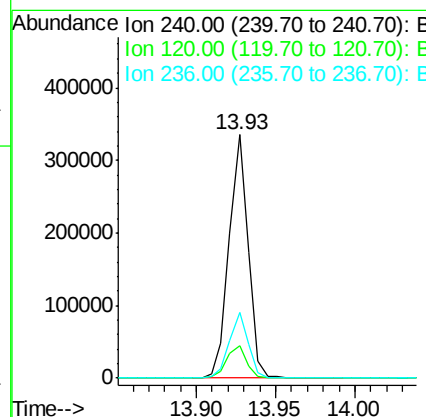
RT: 13.93 min Scan# 2013

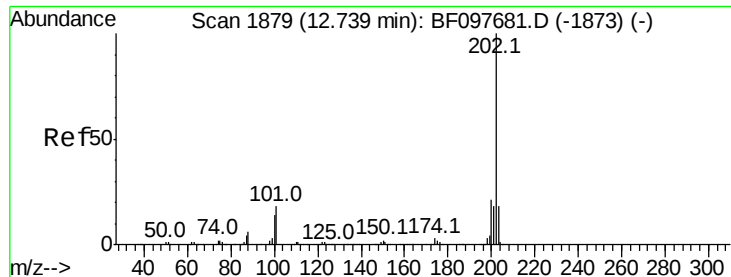
Delta R.T. -0.01 min

Lab File: BF097860.D

Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	5.8	8.8#
236	26.9	20.5	30.7





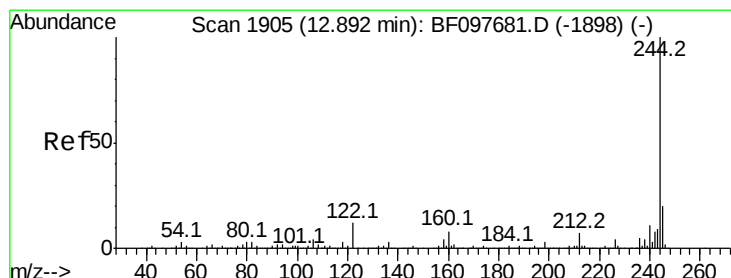
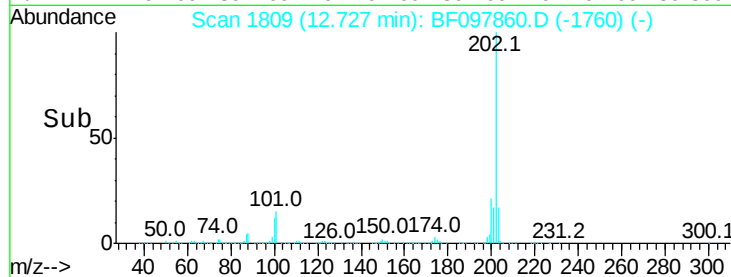
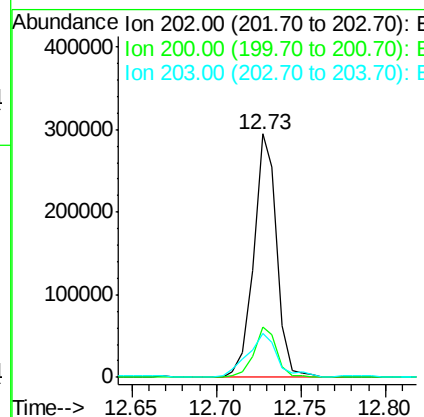
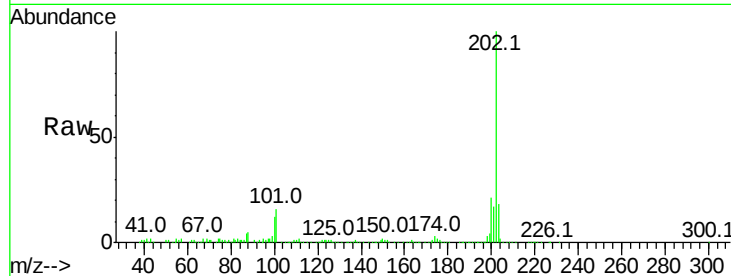
#77
Pvrene
Concen: 12.134 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Instrument :
BNA_F
ClientSampleId :
BC8B4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.6	26.4
203	17.8	14.4	21.6

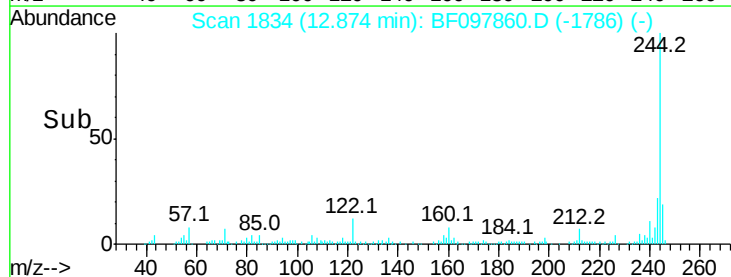
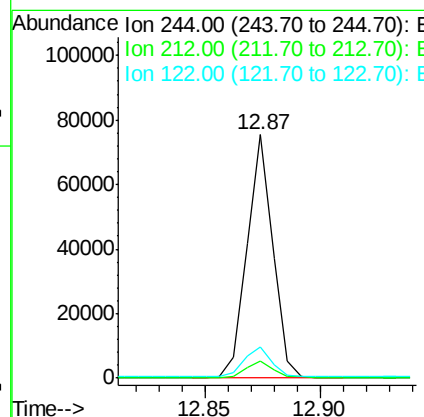
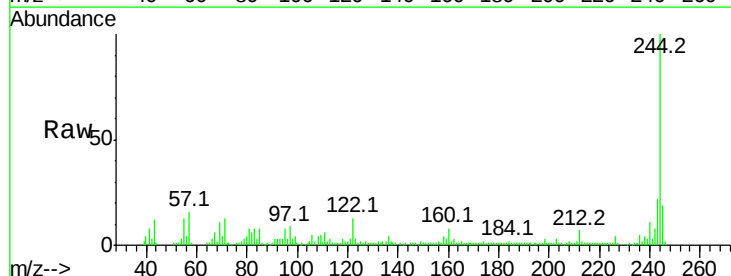
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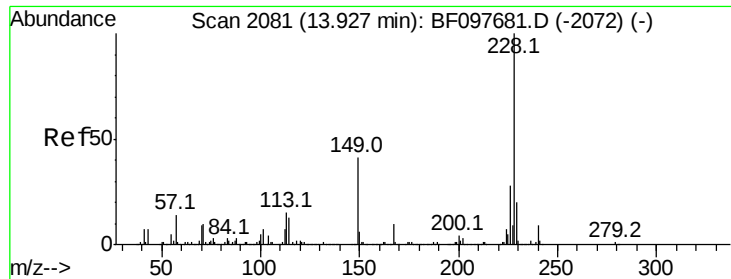
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#78
Terphenyl-d14
Concen: 4.365 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	12.8	10.3	15.5





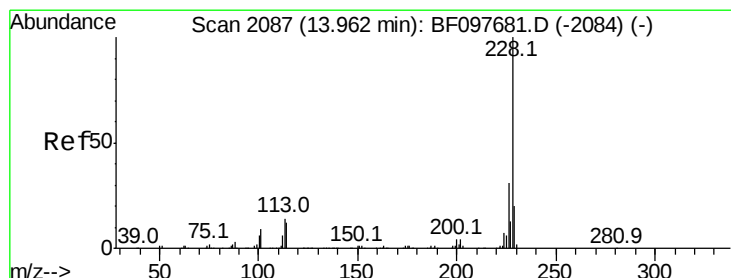
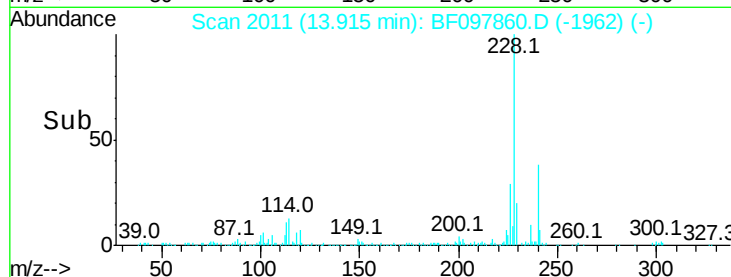
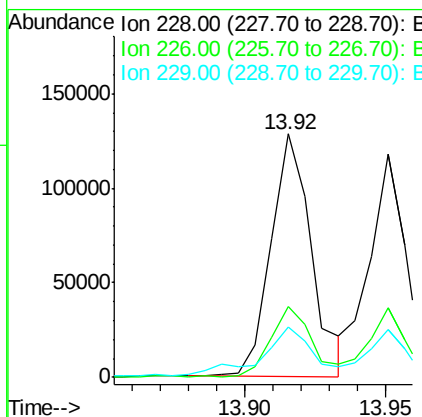
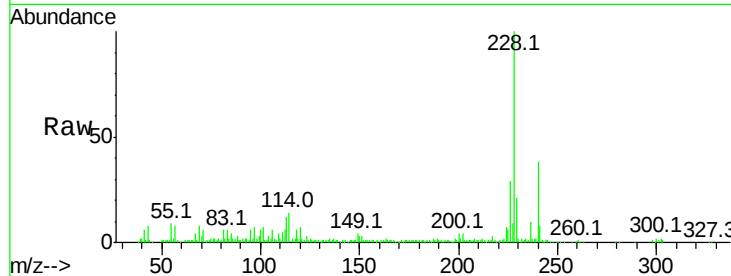
#80
Benzo(a)anthracene
Concen: 7.566 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Instrument :
BNA_F
ClientSampleId :
BC8B4

Tot Ion	Ratio	Resp	Lower	Upper
228	100	127691		
226	29.2	22.6	33.8	
229	20.8	16.3	24.5	

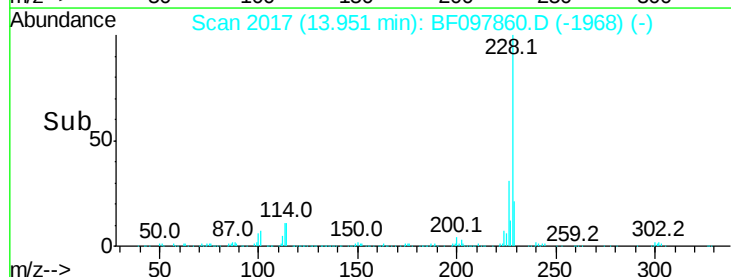
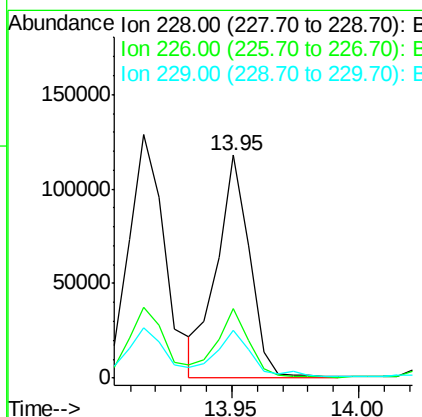
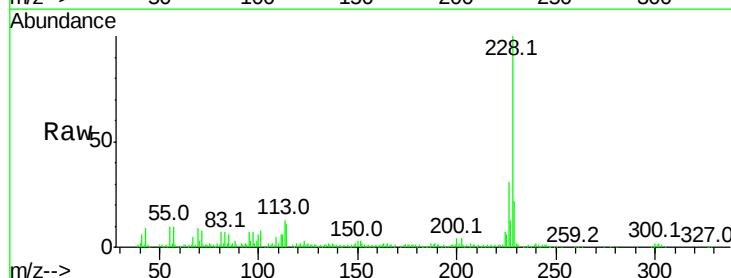
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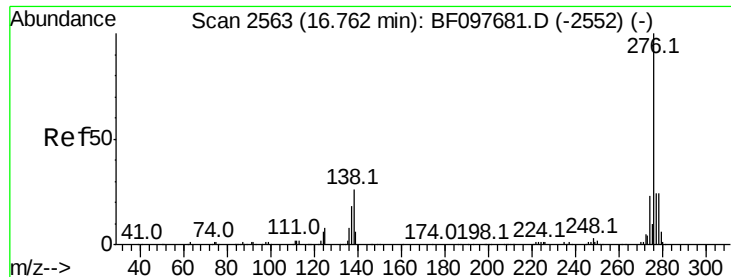
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#82
Chrysene
Concen: 6.257 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	105047		
226	31.4	24.9	37.3	
229	21.6	15.8	23.6	





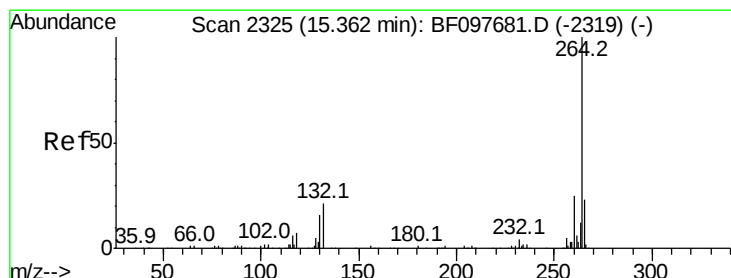
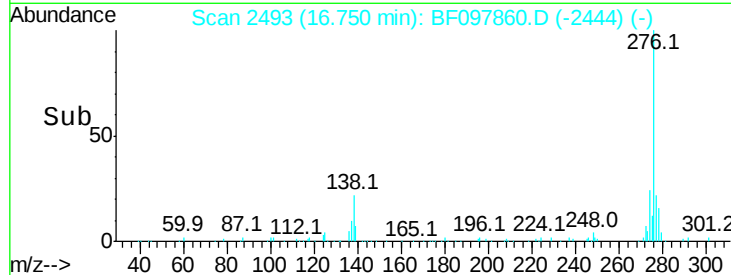
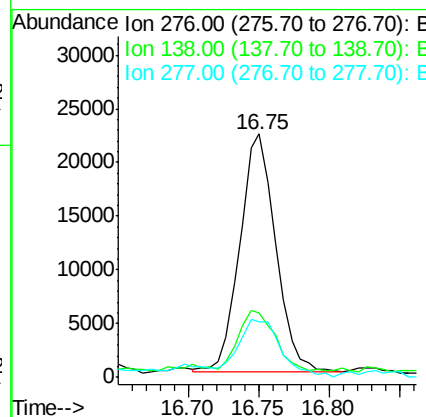
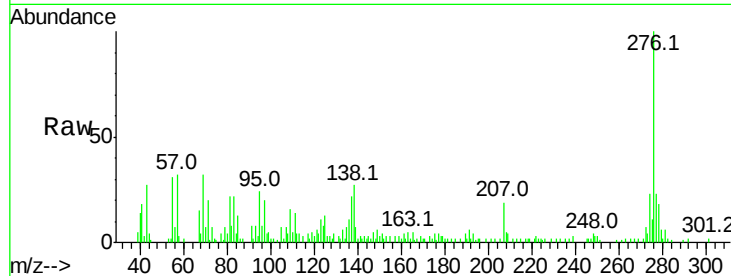
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.206 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BF097860.D
 Acq: 19 Aug 2017 4:08

Instrument :
 BNA_F
 ClientSampleId :
 BC8B4

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	27.8	41.6#
277	28.8	20.2	30.4

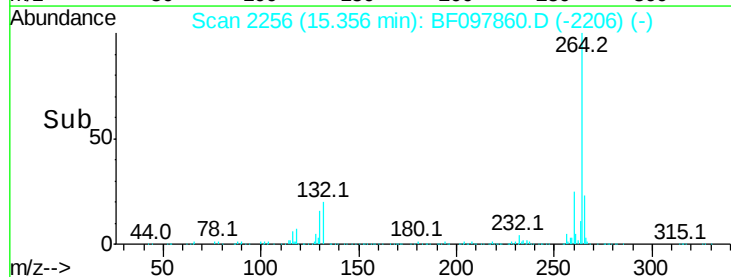
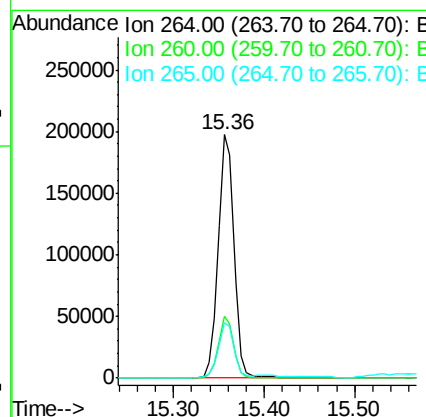
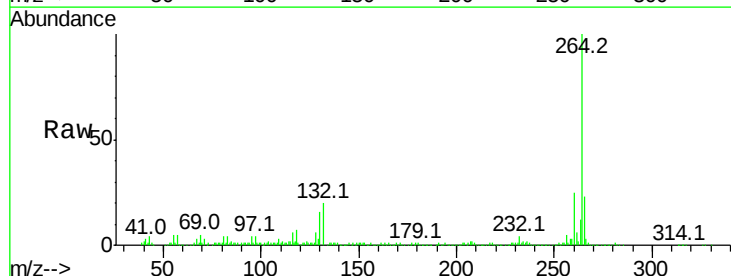
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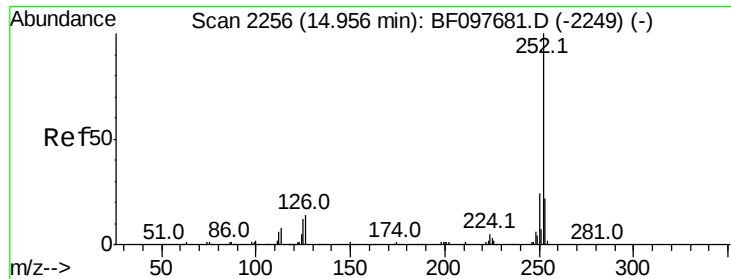
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BF097860.D
 Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.5	29.3
265	22.9	17.2	25.8





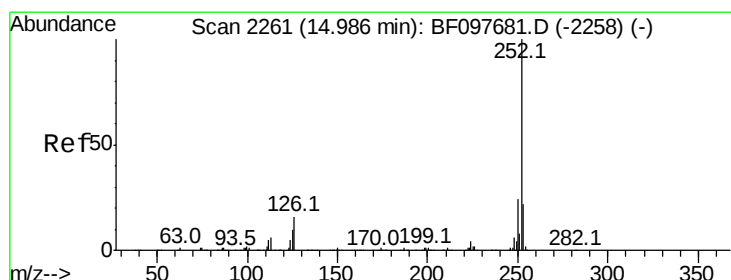
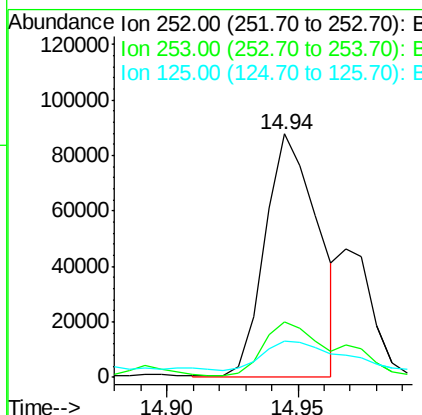
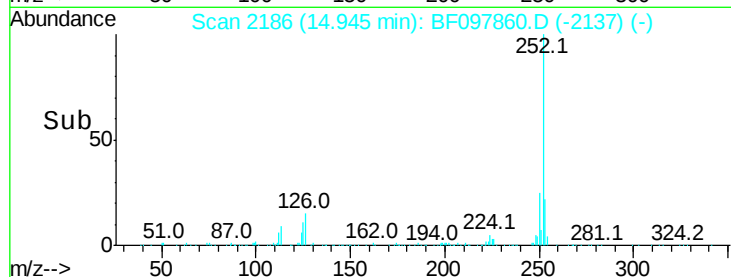
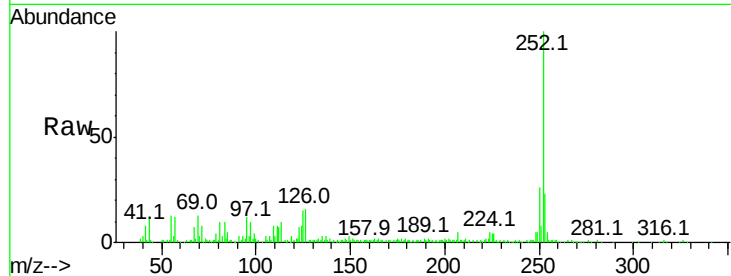
#87
Benzo(b)fluoranthene
Concen: 8.196 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Instrument :
BNA_F
ClientSampled :
BC8B4

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	18.1	27.1
125	14.8	9.8	14.8

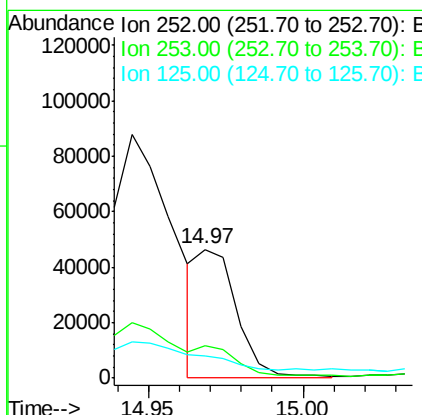
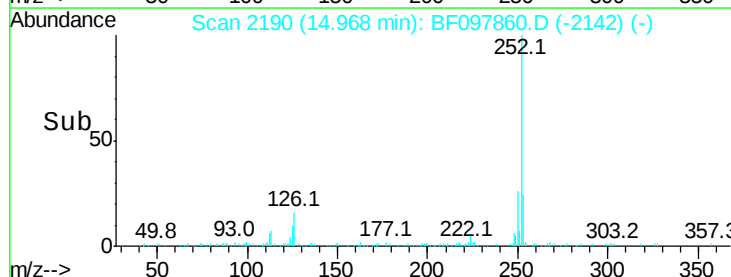
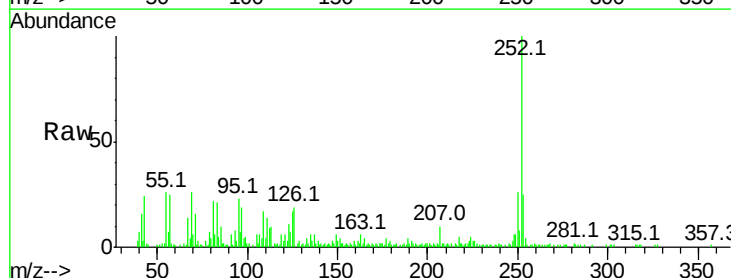
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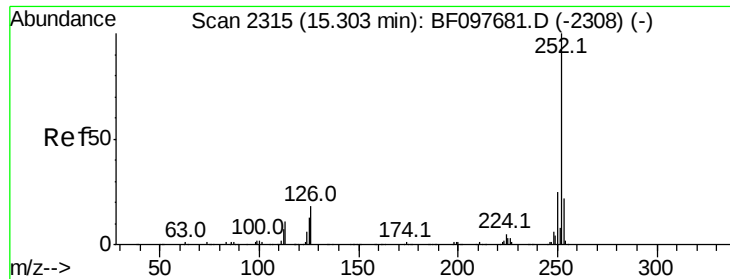
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#88
Benzo(k)fluoranthene
Concen: 2.938 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	18.4	27.6
125	17.5	13.1	19.7





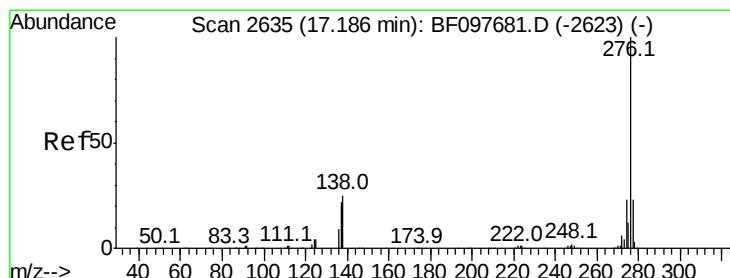
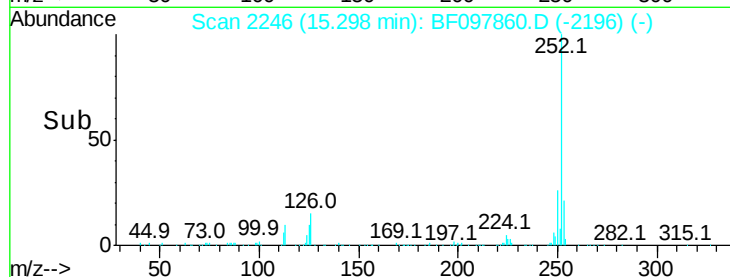
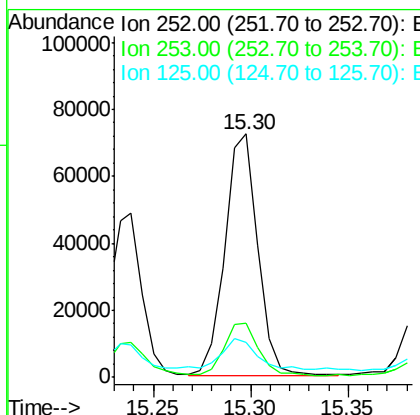
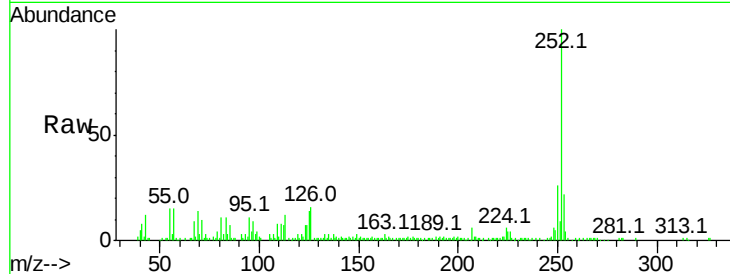
#89
Benzo(a)pyrene
Concen: 6.240 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Instrument :
BNA_F
ClientSampled :
BC8B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	14.2	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.335 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.02 min
Lab File: BF097860.D
Acq: 19 Aug 2017 4:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	28.2	25.4	38.0

