

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097756.D
 Acq On : 16 Aug 2017 23:22
 Operator : SJ/JU
 Sample : I4739-06 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-6

Manual Integrations
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Quant Time: Aug 17 06:40:19 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	6.78	152	167743	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	639143	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	266444	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	417280	20.00	ng	0.00
75) Chrysene-d12	13.93	240	297238	20.00	ng	0.00
86) Perylene-d12	15.36	264	265720	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	184903	16.77	ng	-0.01
7) Phenol-d6	6.40	99	256525	17.12	ng	-0.01
23) Nitrobenzene-d5	7.33	82	149315	12.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	32198	13.93	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	217060	11.97	ng	0.00
78) Terphenyl-d14	12.88	244	124889	8.76	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	316733	14.244	ng	99
71) Anthracene	11.37	178	82754	3.669	ng	98
74) Fluoranthene	12.51	202	478113	20.600	ng	99
77) Pyrene	12.74	202	466573	19.192	ng	98
80) Benzo(a)anthracene	13.92	228	205384	11.529	ng	98
82) Chrysene	13.96	228	175497	9.903	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	88502	6.789	ng	# 92
87) Benzo(b)fluoranthene	14.95	252	230934m	13.788	ng	
88) Benzo(k)fluoranthene	14.97	252	79640m	5.061	ng	
89) Benzo(a)pyrene	15.30	252	174064	11.739	ng	97
91) Benzo(g,h,i)perylene	17.17	276	82701	6.566	ng	93

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

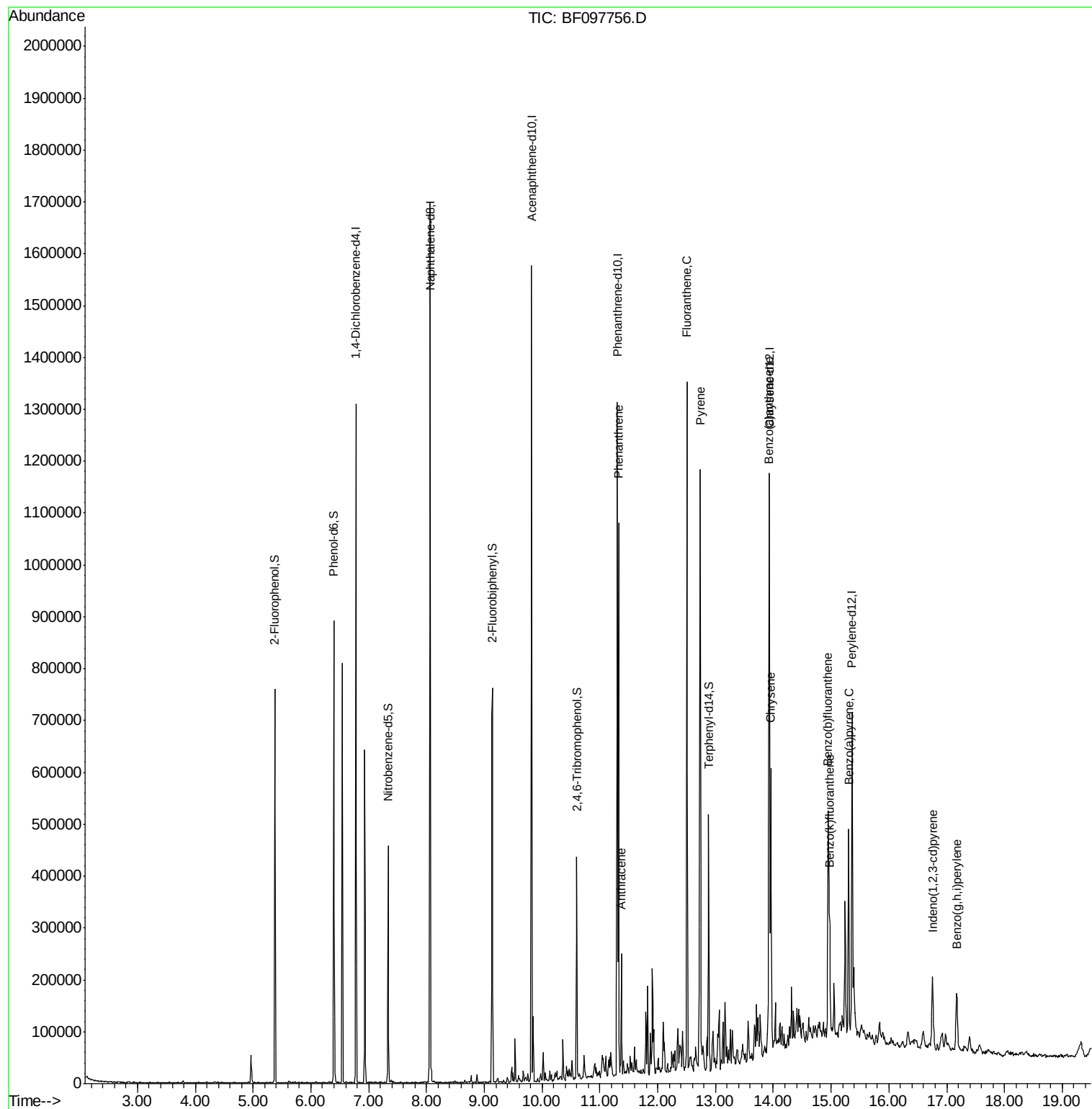
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097756.D
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Sample : I4739-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

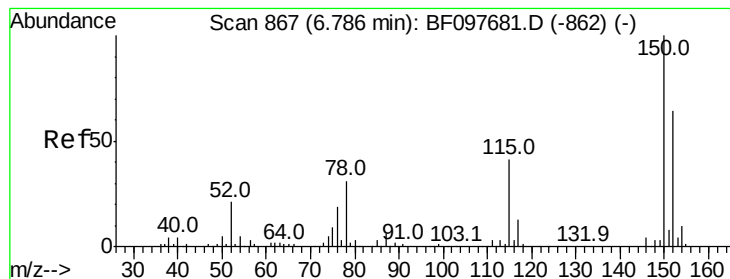
Instrument :
BNA_F
ClientSampleId :
S11-WC-6

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#1

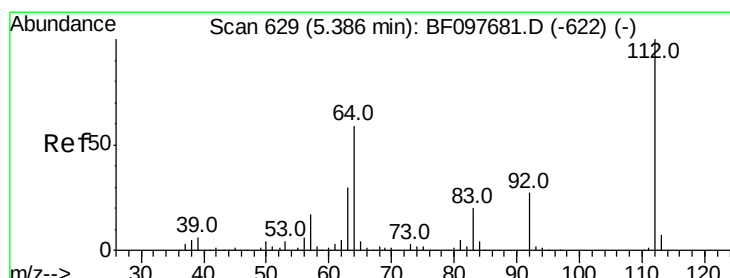
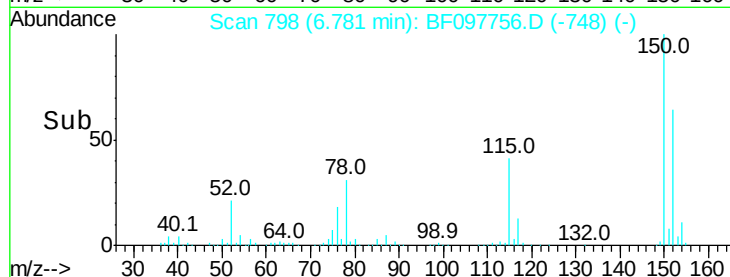
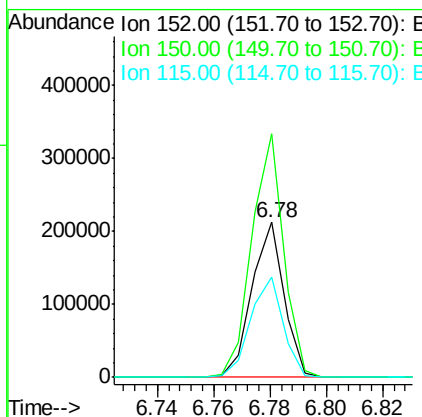
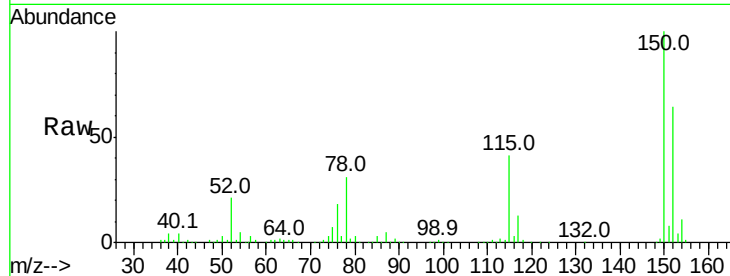
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
S11-WC-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	64.5	52.2	78.2

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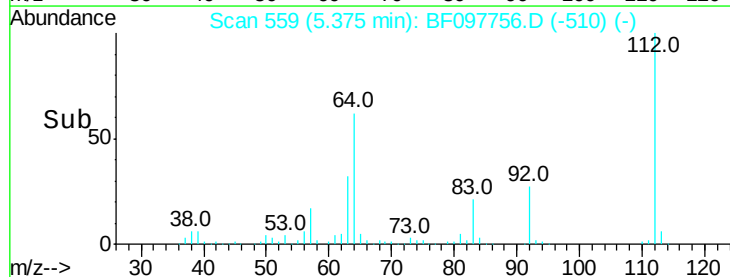
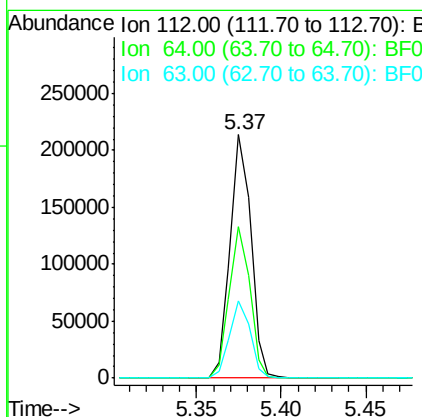
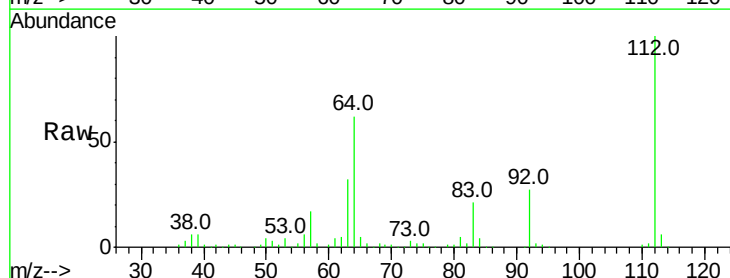
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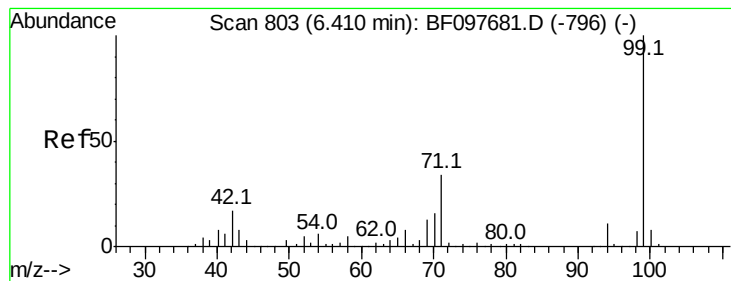


#5

2-Fluorophenol
Concen: 16.767 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.0	69.0
63	31.8	23.4	35.0





#7

Phenol-d6

Concen: 17.120 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

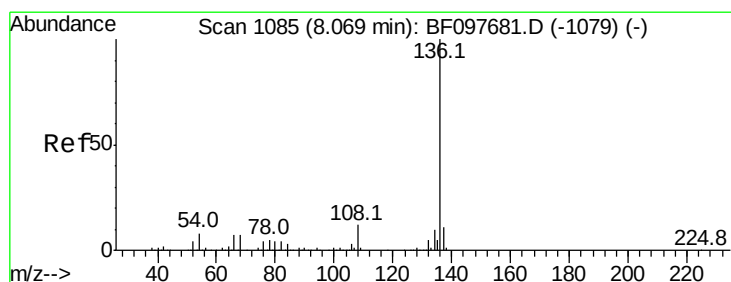
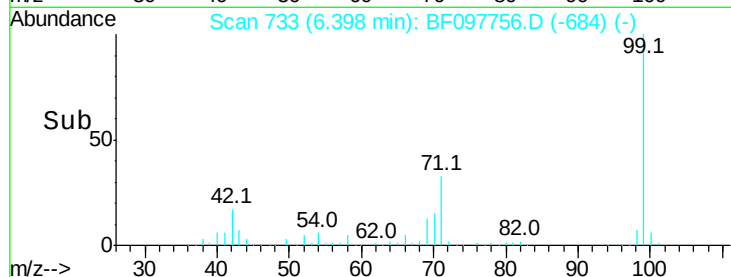
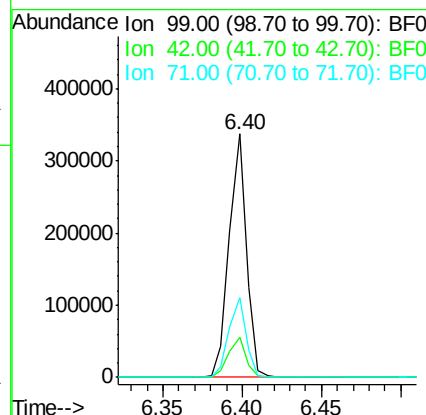
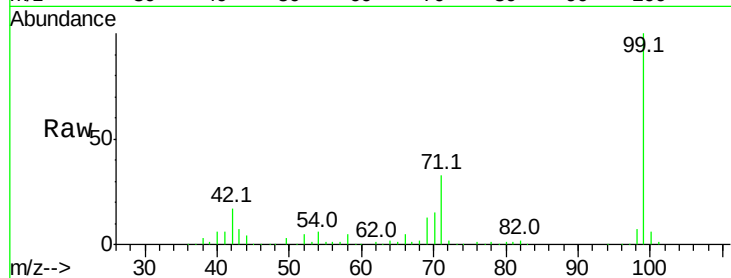
ClientSampleId :

S11-WC-6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		256525		
42	16.5	13.5	20.3		
71	32.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

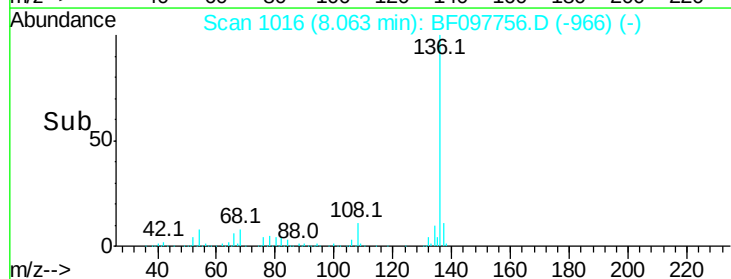
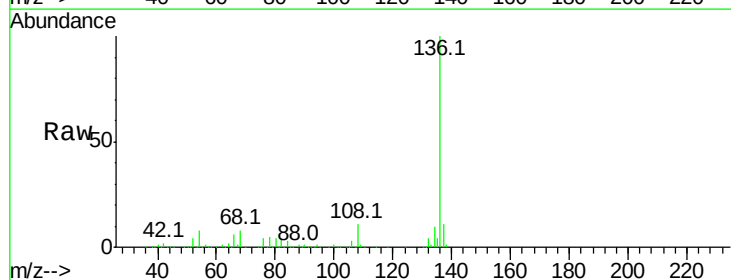
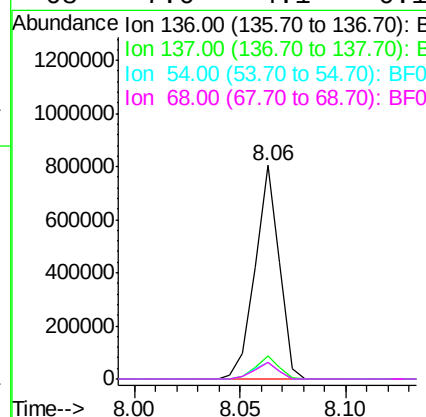
RT: 8.06 min Scan# 1016

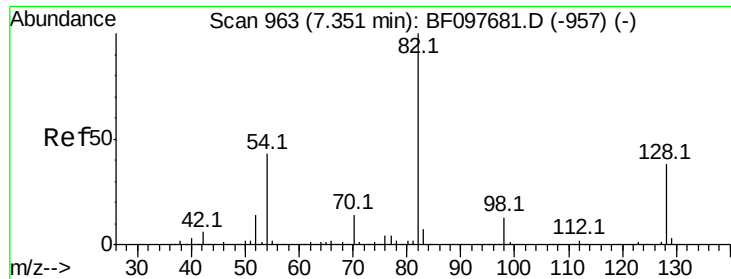
Delta R.T. -0.01 min

Lab File: BF097756.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		639143		
137	11.0	8.5	12.7		
54	7.9	4.9	7.3#		
68	7.6	4.1	6.1#		





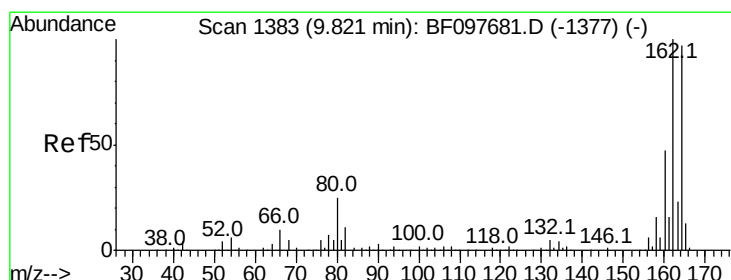
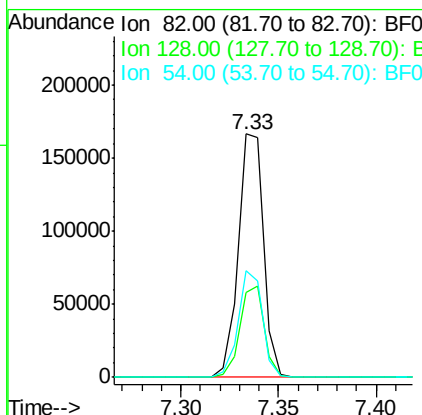
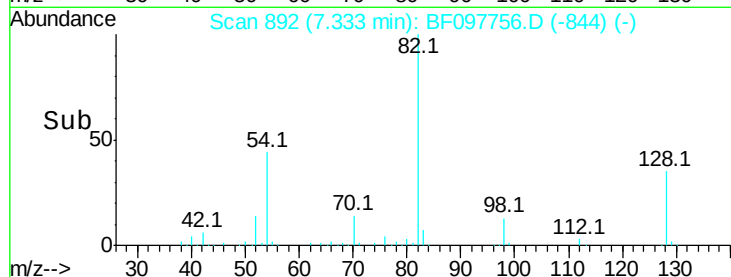
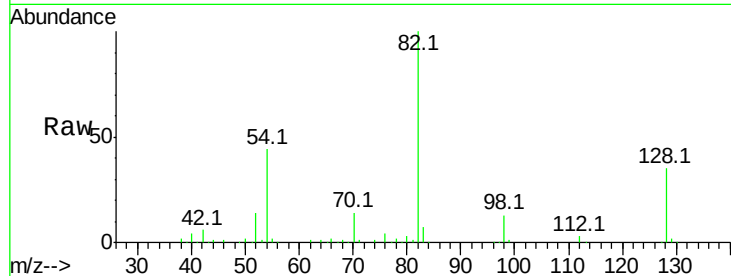
#23
Nitrobenzene-d5
Concen: 12.691 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampled :
S11-WC-6

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.0	34.0	51.0	
54	43.8	42.2	63.2	

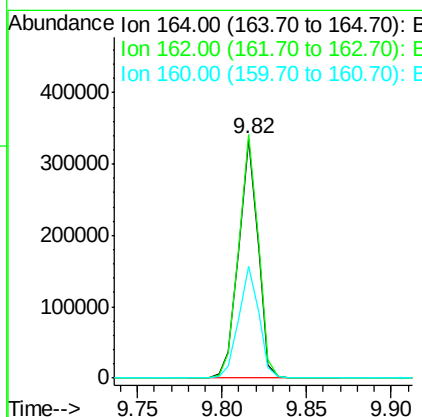
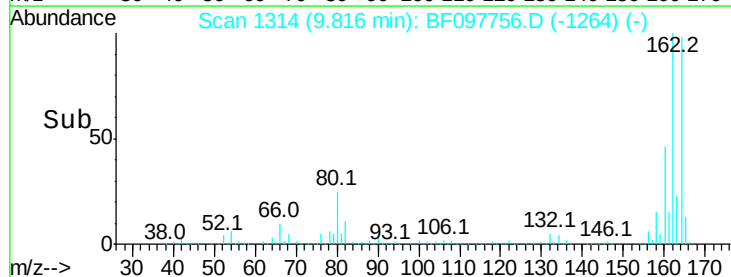
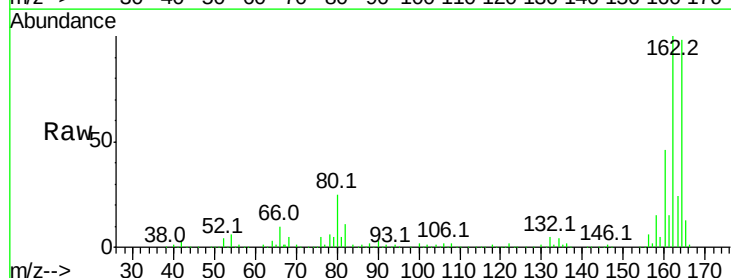
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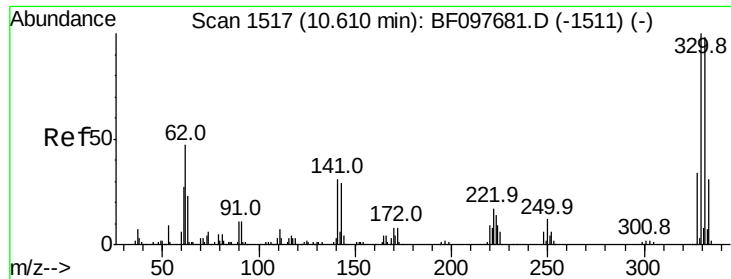
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.6	123.8	
160	46.9	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 13.927 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

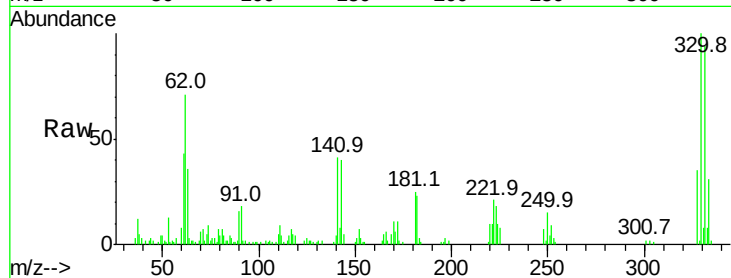
ClientSampled :

S11-WC-6

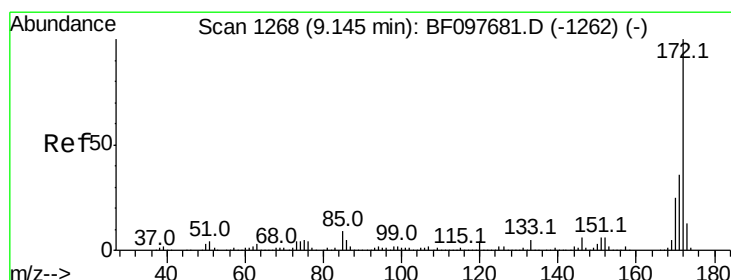
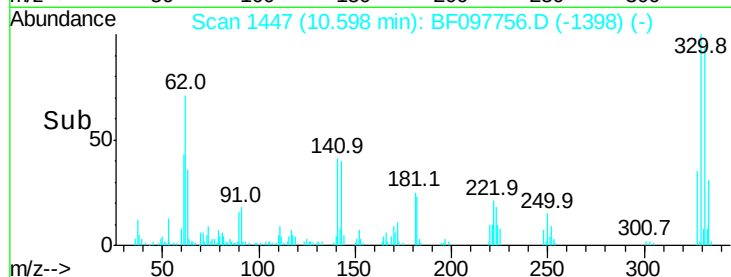
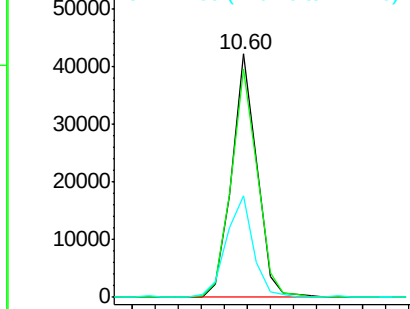
Tot Ion:	330	Resp:	32198
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.6	115.0
141	44.2	31.4	47.2

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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: 11.969 ng

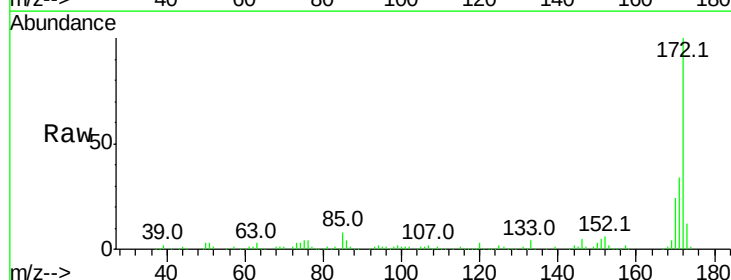
RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

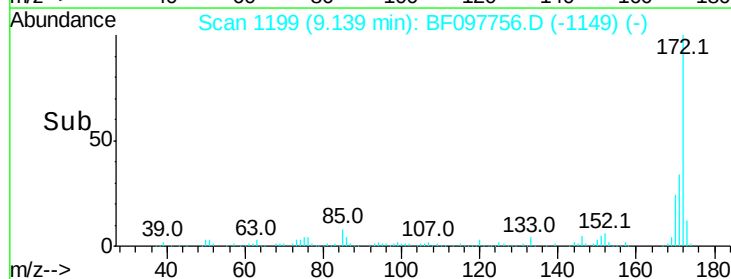
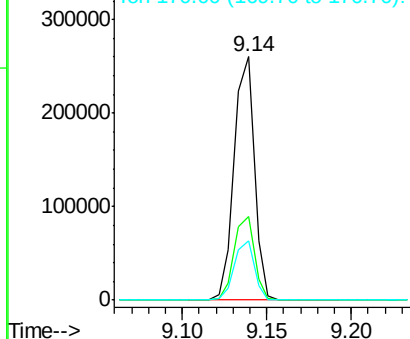
Lab File: BF097756.D

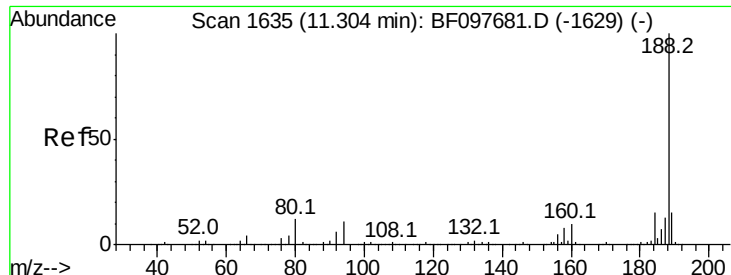
Acq: 16 Aug 2017 23:22

Tgt Ion:	172	Resp:	217060
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.6	44.4
170	24.4	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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Instrument :

BNA_F

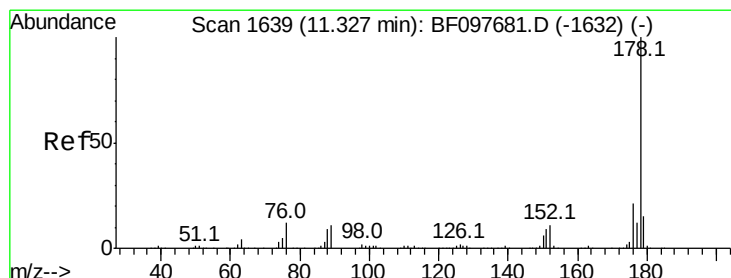
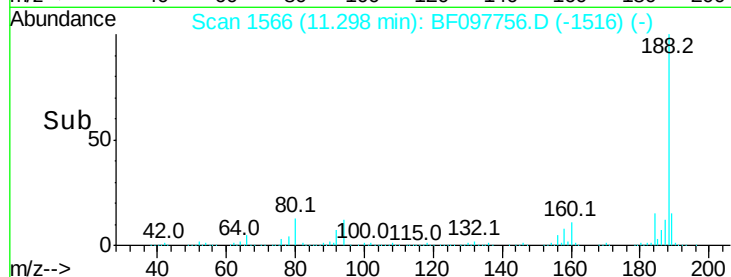
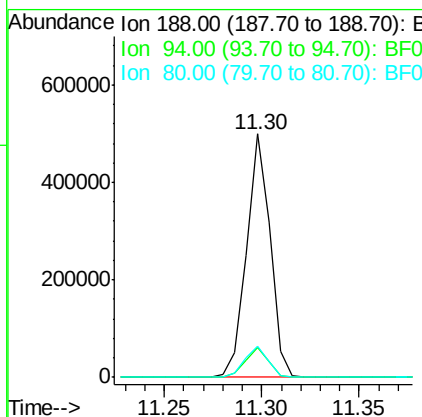
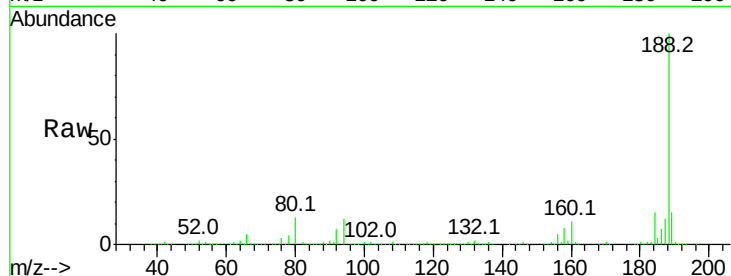
ClientSampleId :

S11-WC-6

Tot Ion:	188	Resp:	417280
Ion Ratio	Lower	Upper	
188	100		
94	12.0	9.4	14.2
80	12.9	10.2	15.2

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#70

Phenanthrene

Concen: 14.244 ng

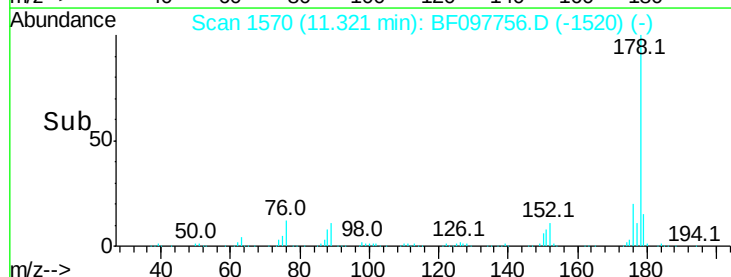
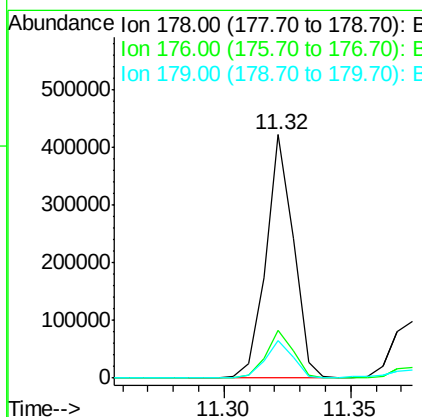
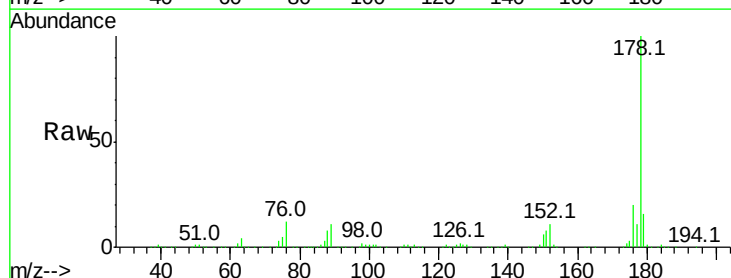
RT: 11.32 min Scan# 1570

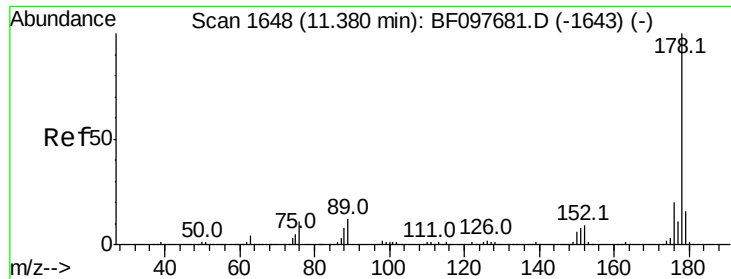
Delta R.T. -0.01 min

Lab File: BF097756.D

Acq: 16 Aug 2017 23:22

Tgt Ion:	178	Resp:	316733
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	15.6	12.6	19.0





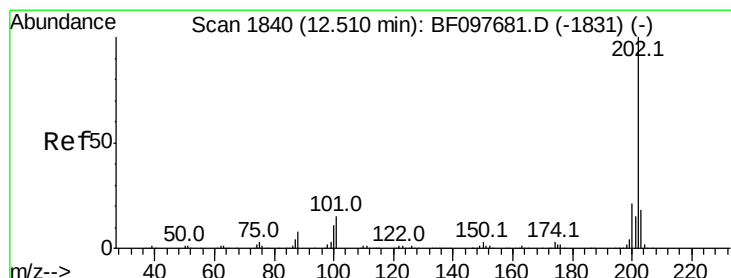
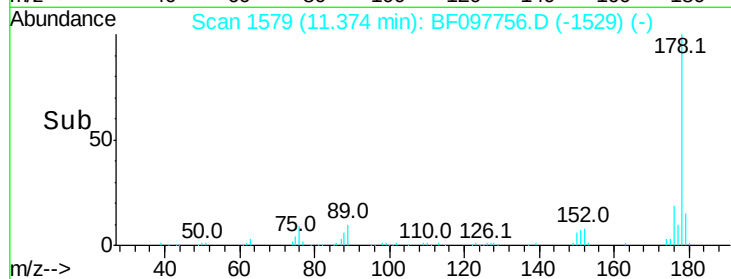
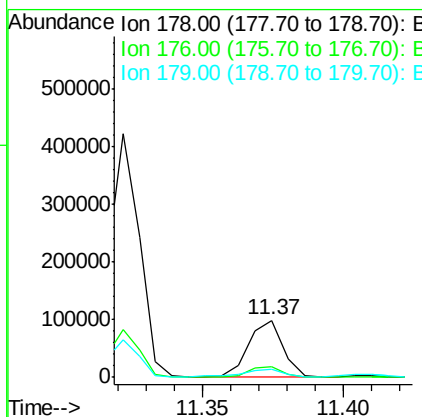
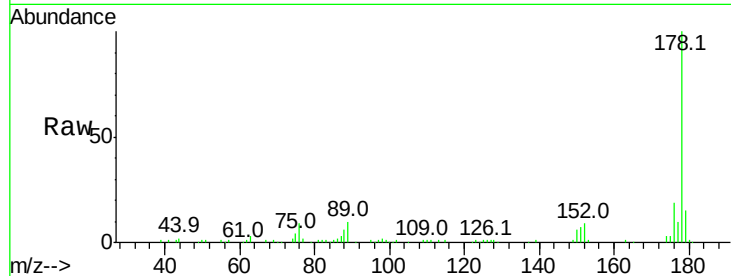
#71
 Anthracene
 Concen: 3.669 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.2	12.7	19.1

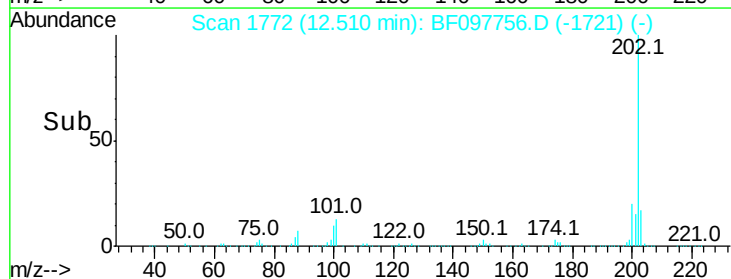
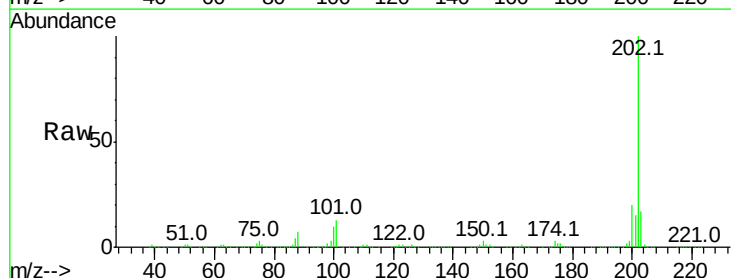
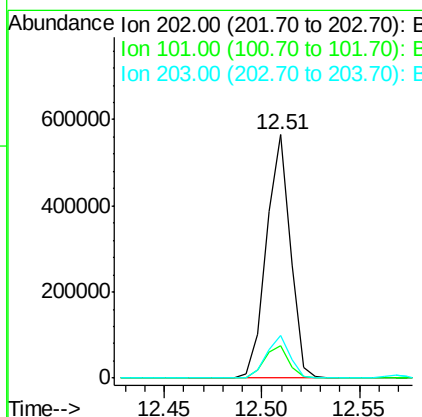
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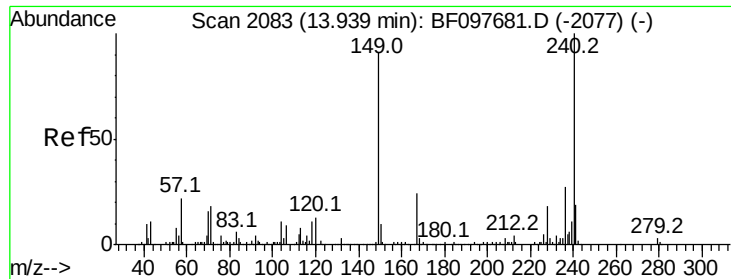
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#74
 Fluoranthene
 Concen: 20.600 ng
 RT: 12.51 min Scan# 1772
 Delta R.T. 0.00 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.4	0.0	38.1





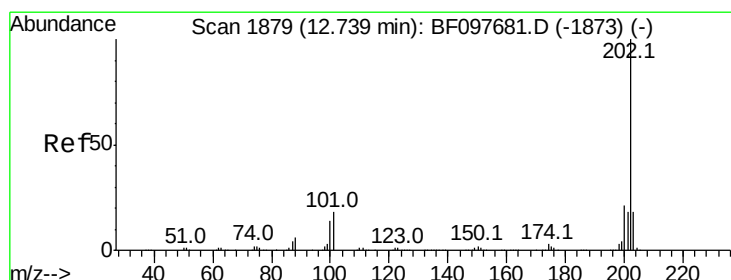
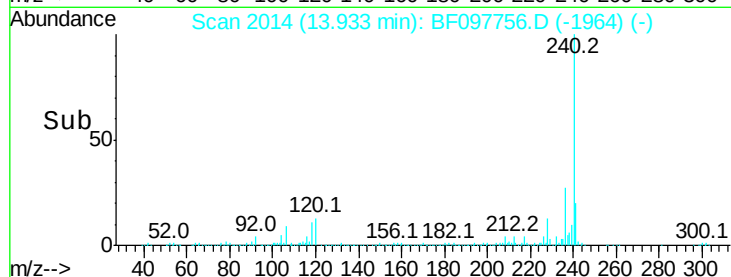
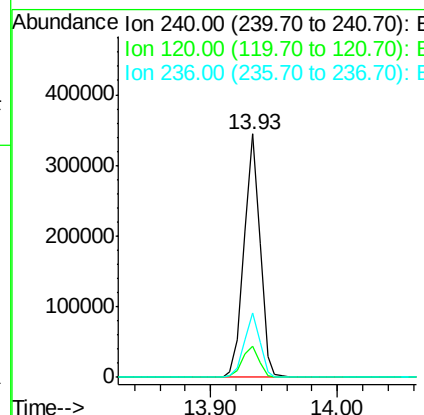
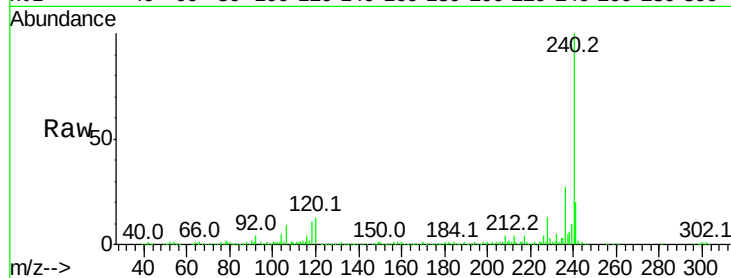
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
S11-WC-6

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	26.6	20.5	30.7

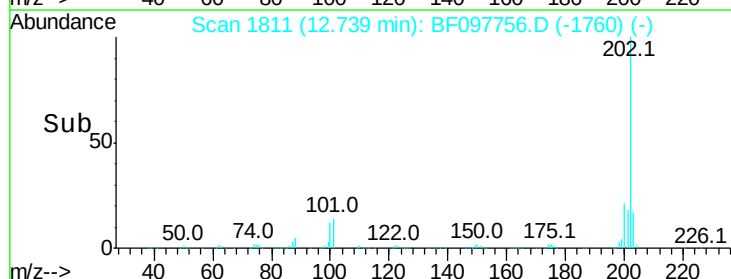
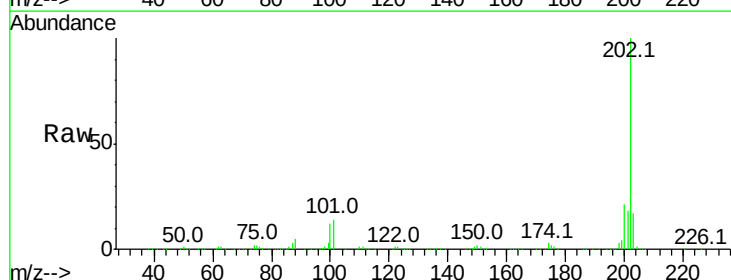
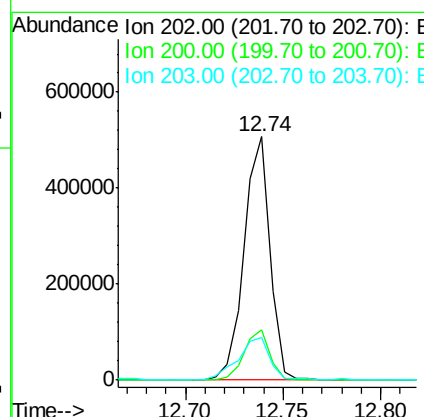
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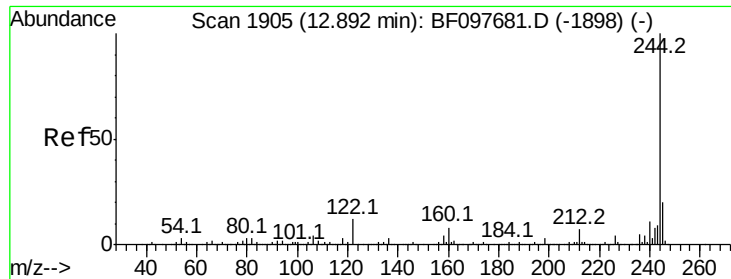
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#77
Pyrene
Concen: 19.192 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.00 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	17.3	14.4	21.6





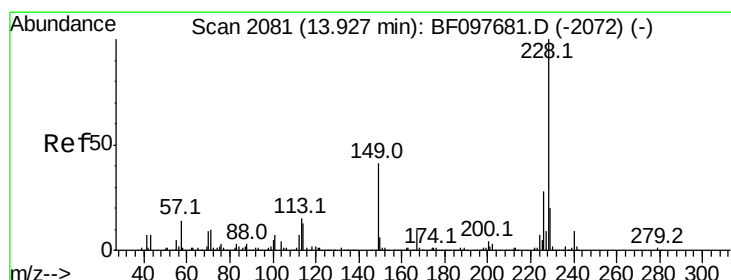
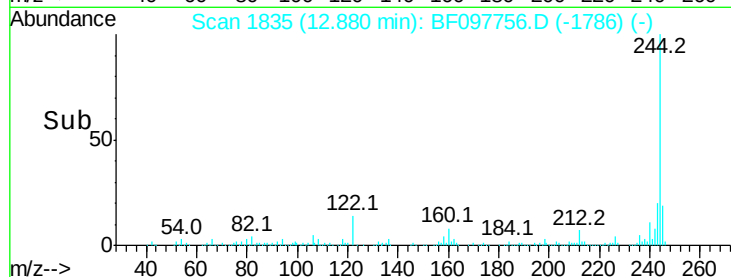
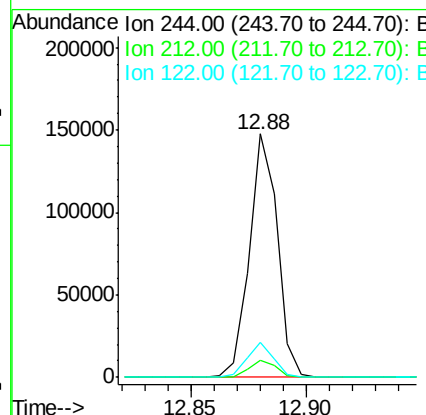
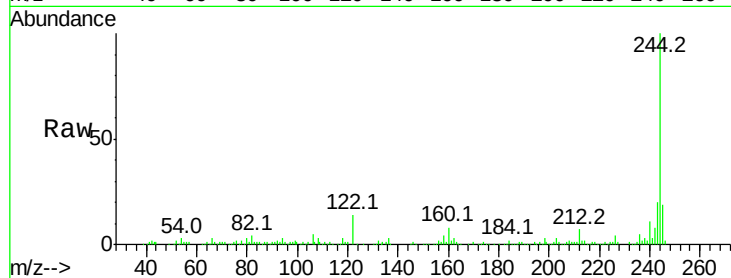
#78
 Terphenyl-d14
 Concen: 8.762 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-6

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.3	10.3	15.5

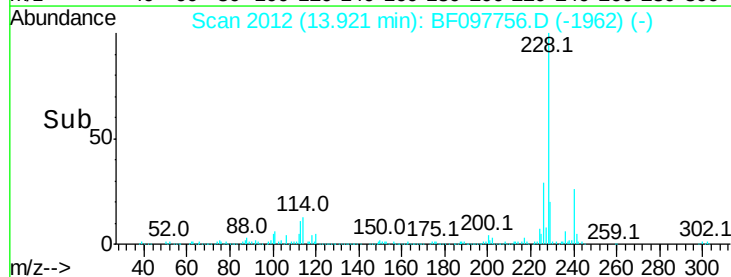
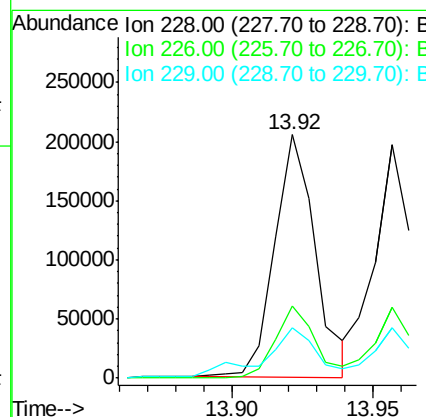
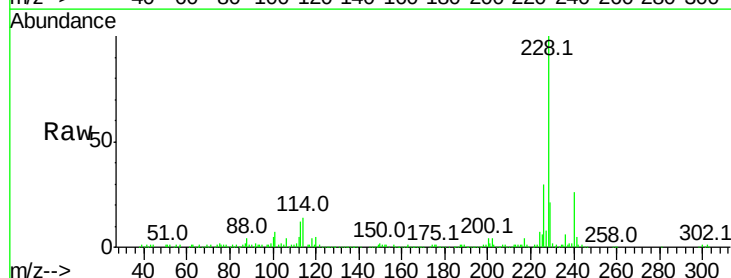
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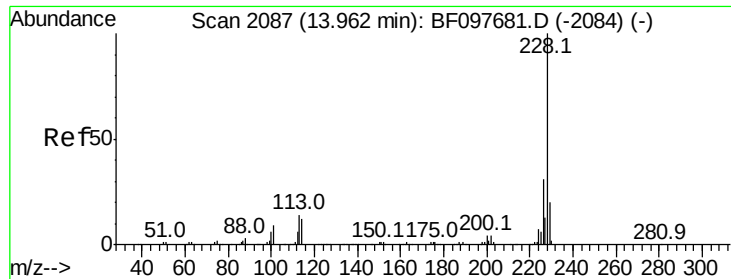
Sohil
 8/17/2017 5:57:58 PM



#80
 Benzo(a)anthracene
 Concen: 11.529 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.5	16.3	24.5





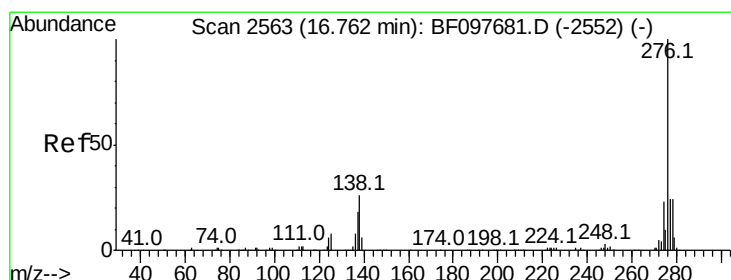
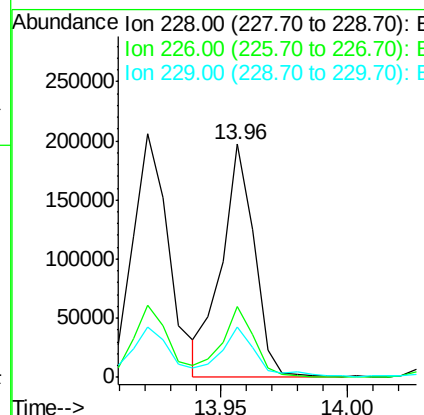
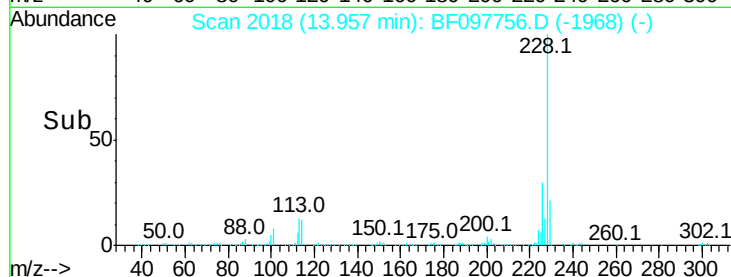
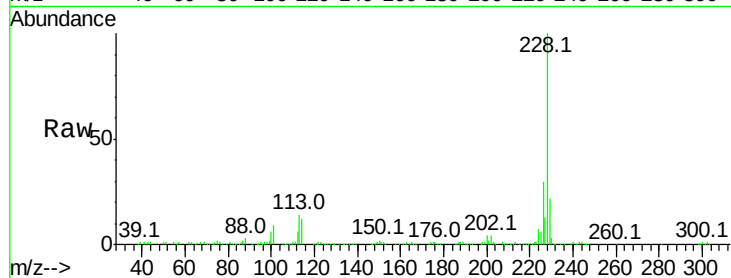
#82
Chrysene
Concen: 9.903 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampled :
S11-WC-6

Tot Ion:	228	Resp:	175497
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	21.7	15.8	23.6

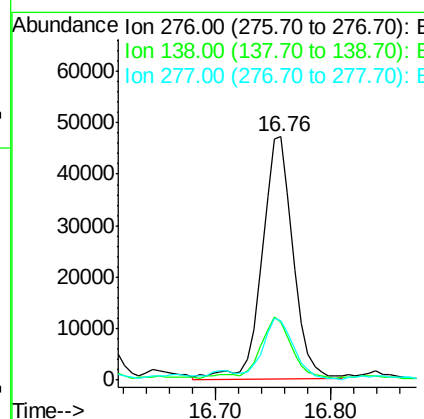
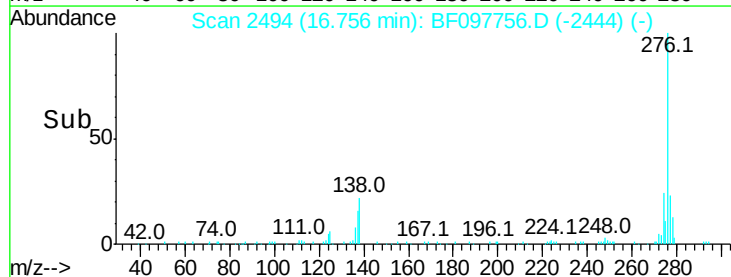
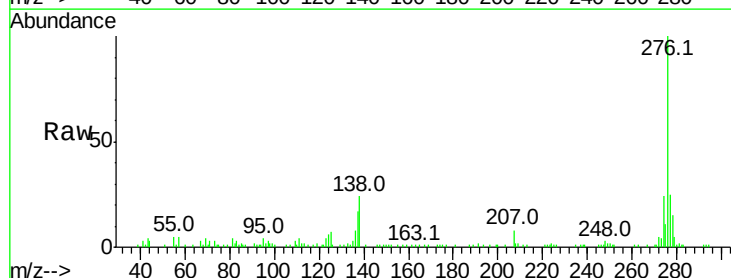
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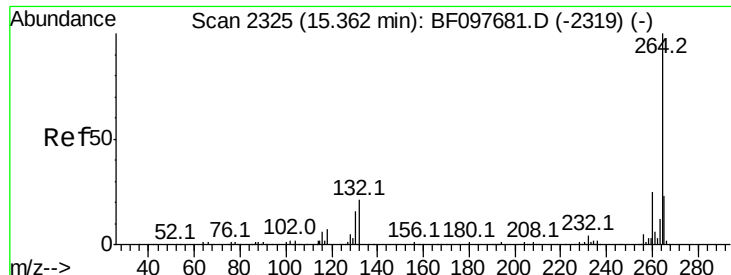
Sohil
8/17/2017 5:57:58 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 6.789 ng
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion:	276	Resp:	88502
Ion Ratio	Lower	Upper	
276	100		
138	27.2	27.8	41.6#
277	26.3	20.2	30.4





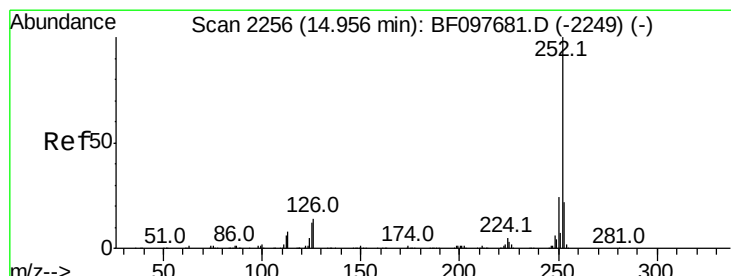
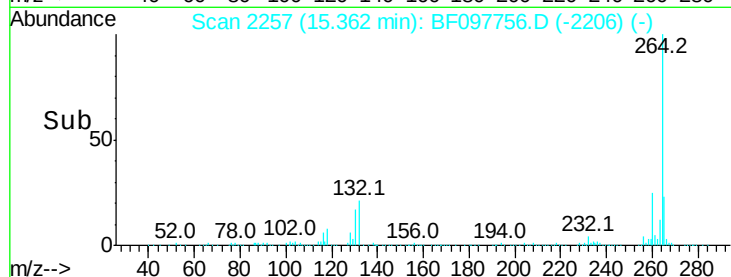
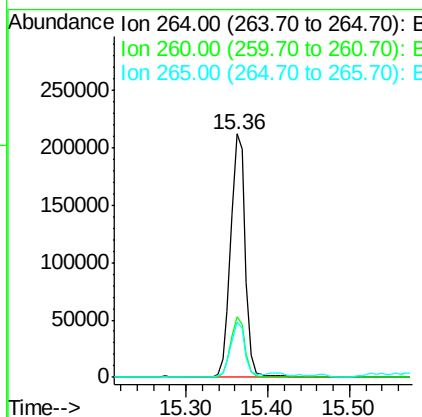
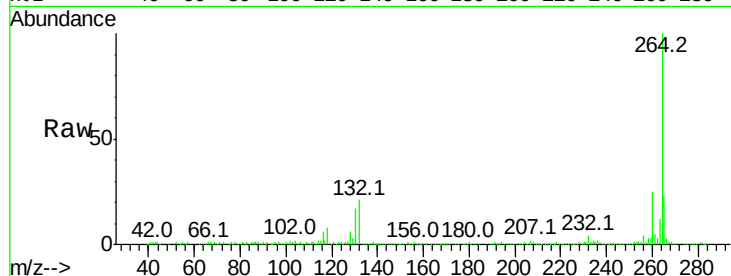
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampled :
S11-WC-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.8	17.2	25.8

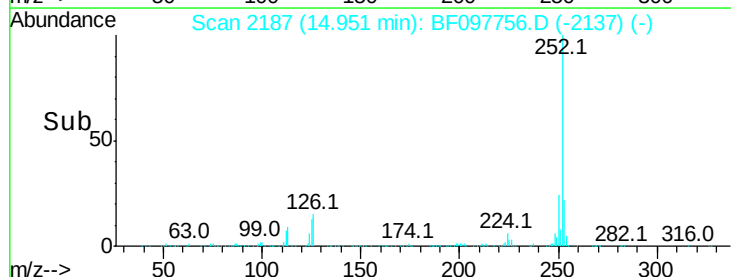
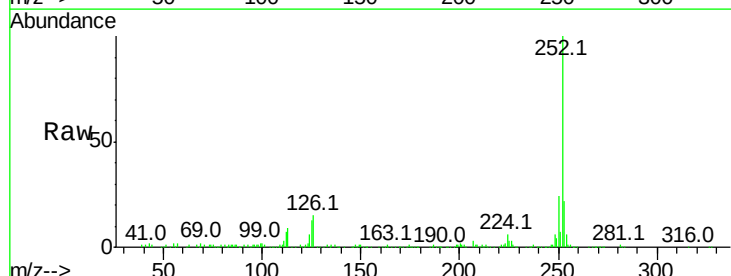
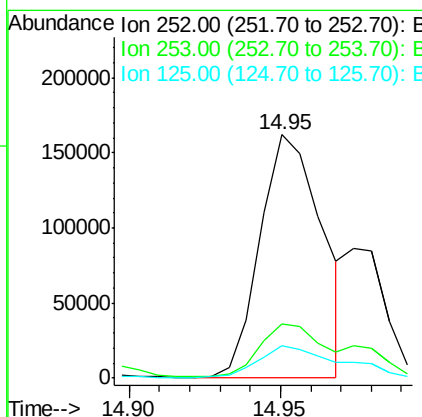
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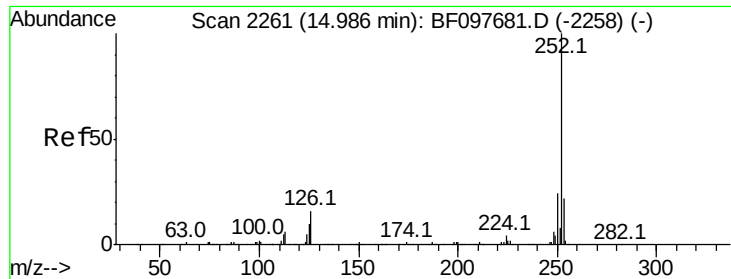
Sohil
8/17/2017 5:57:58 PM



#87
Benzo(b)fluoranthene
Concen: 13.788 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	13.1	9.8	14.8





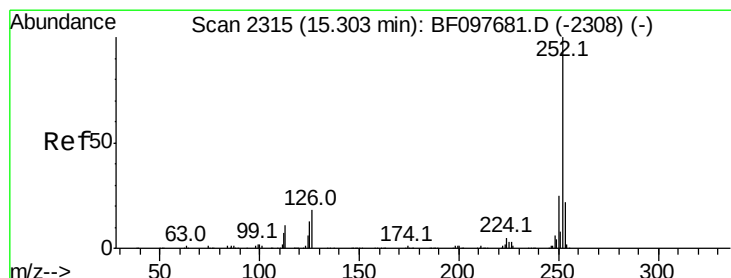
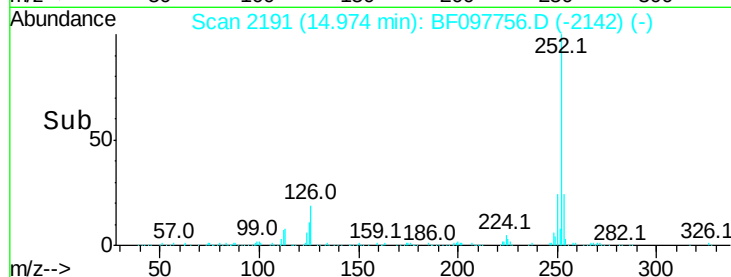
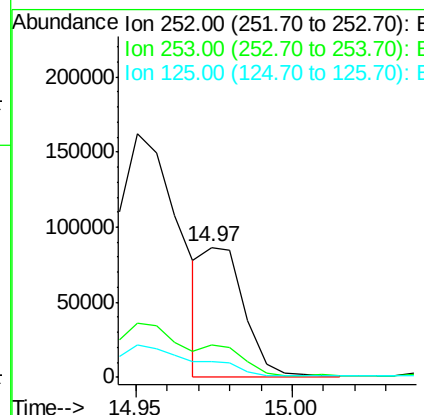
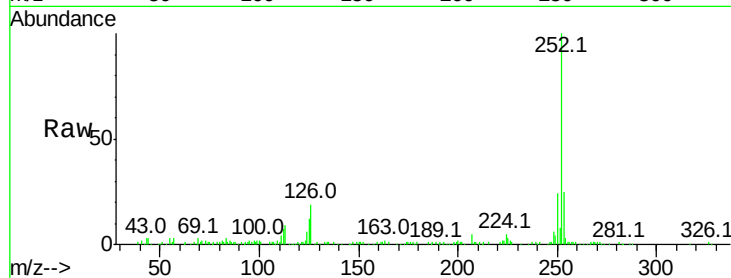
#88
Benzo(k)fluoranthene
Concen: 5.061 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Instrument :
BNA_F
ClientSampleId :
S11-WC-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	12.0	13.1	19.7#

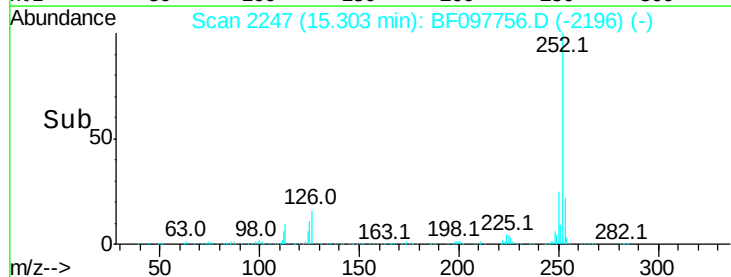
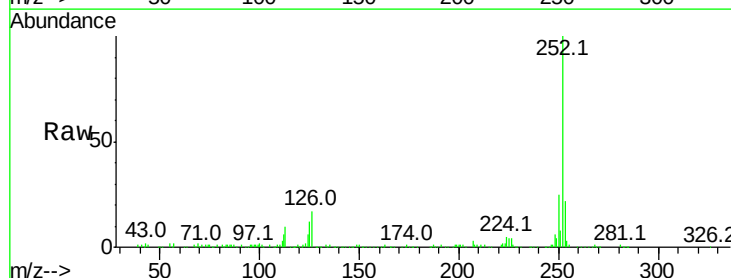
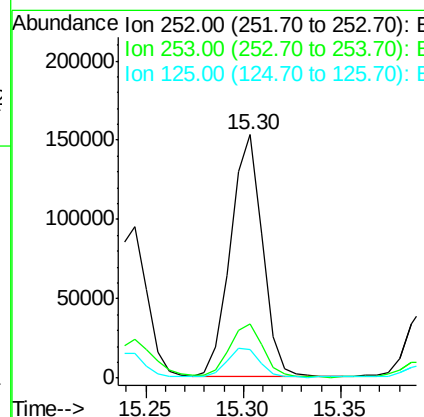
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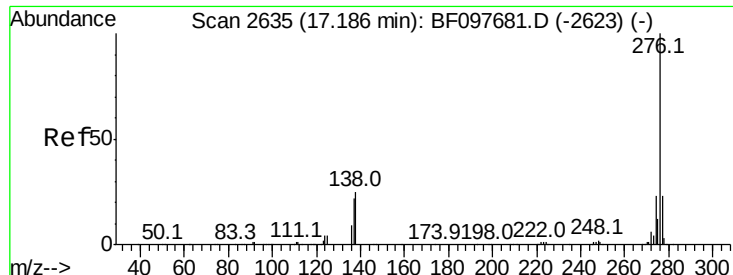
Sohil
8/17/2017 5:57:58 PM



#89
Benzo(a)pyrene
Concen: 11.739 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097756.D
Acq: 16 Aug 2017 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.566 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. -0.01 min
 Lab File: BF097756.D
 Acq: 16 Aug 2017 23:22

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-6

Tot Ion:	276	Resp:	82701
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.6	28.0
138	25.9	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/17/2017 5:57:58 PM

