

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097701.D
 Acq On : 15 Aug 2017 20:00
 Operator : SJ/JU
 Sample : I4755-04 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-B

Manual Integrations
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Sohil
 8/16/2017 6:45:30 PM

Quant Time: Aug 16 04:54:33 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	139816	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	551632	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	246381	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	454536	20.00	ng	0.00
75) Chrysene-d12	13.93	240	284962	20.00	ng	0.00
86) Perylene-d12	15.36	264	273742	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	150873	16.41	ng	-0.01
7) Phenol-d6	6.40	99	202694	16.23	ng	-0.01
23) Nitrobenzene-d5	7.34	82	113052	11.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	33534	15.69	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	203839	12.16	ng	0.00
78) Terphenyl-d14	12.89	244	145206	10.63	ng	0.00
Target Compounds						
74) Fluoranthene	12.50	202	62342	2.466	ng	Qvalue 90
77) Pyrene	12.73	202	75337	3.232	ng	97
87) Benzo(b)fluoranthene	14.95	252	37737m	2.187	ng	
89) Benzo(a)pyrene	15.30	252	32131	2.103	ng	# 94

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

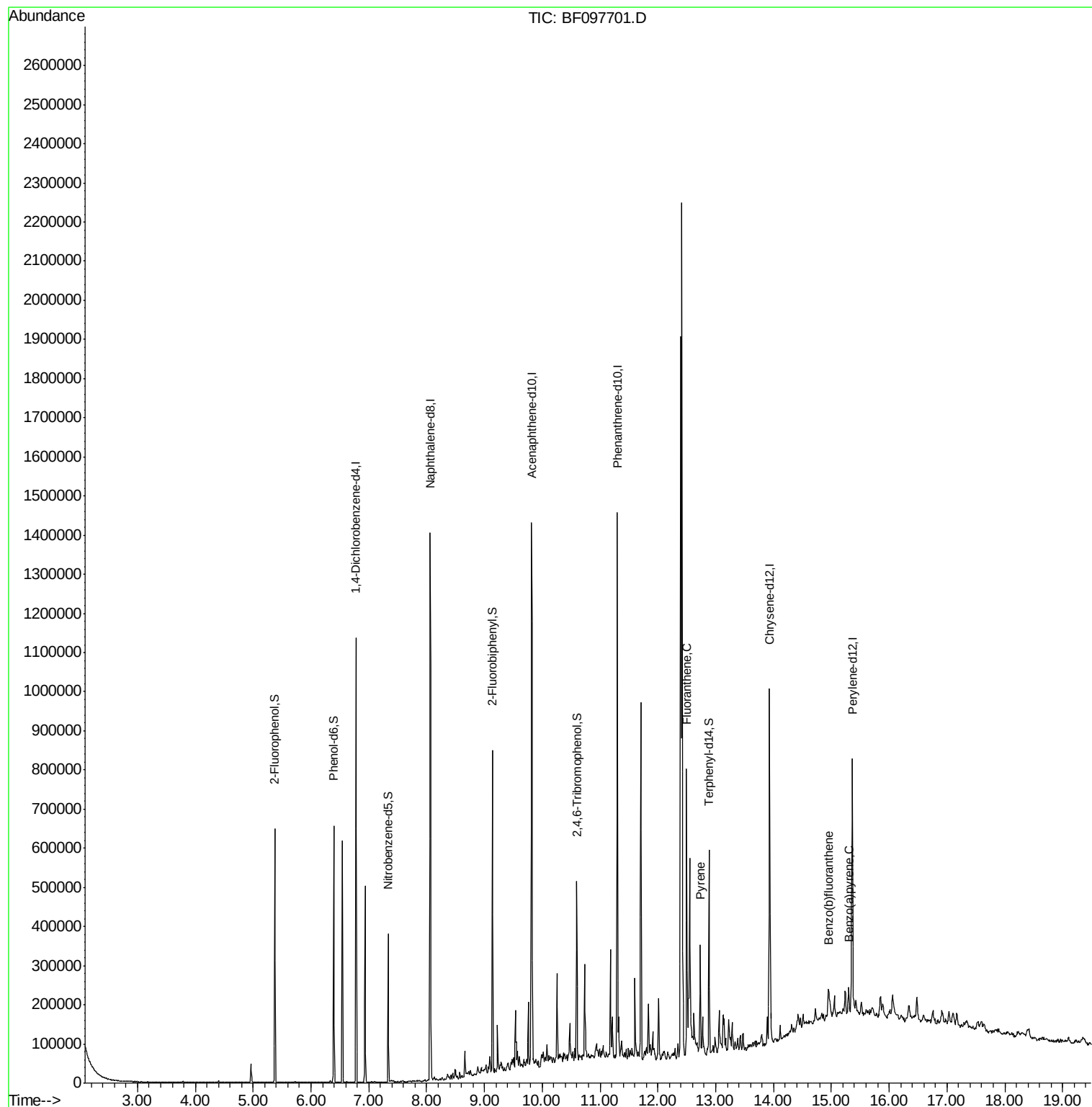
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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ALS Vial : 16 Sample Multiplier: 1

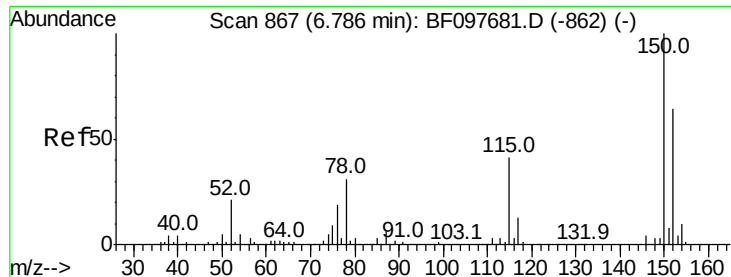
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-B

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Quant Time: Aug 16 04:54:33 2017
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#1

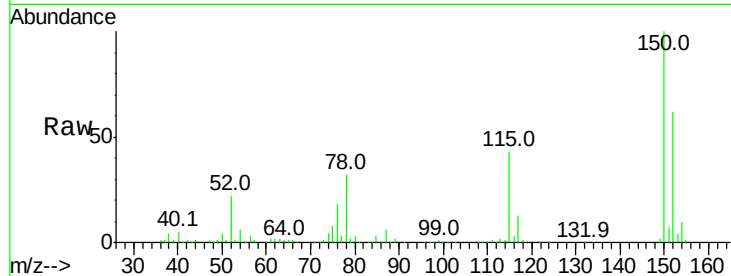
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Instrument :
BNA_F
ClientSampled :
SA-06-081117-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	68.9	52.2	78.2

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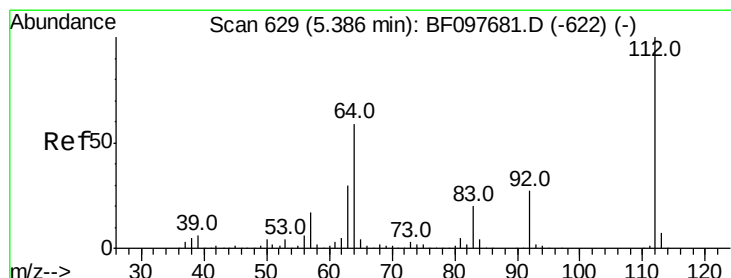
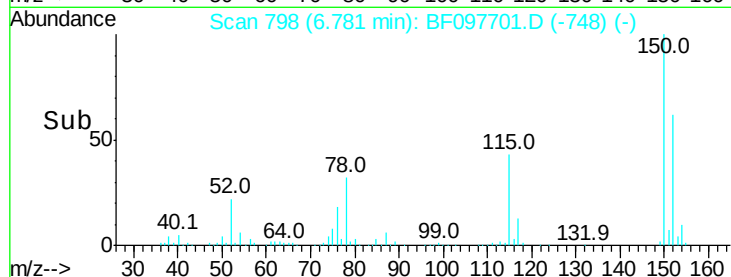
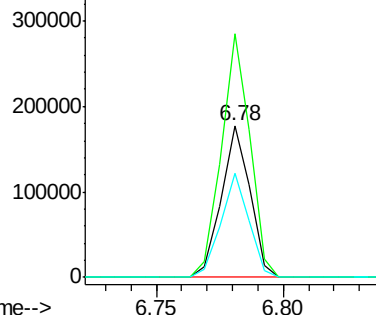


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

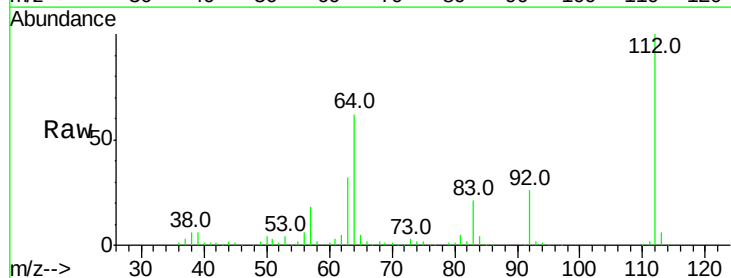
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.414 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.0	69.0
63	31.9	23.4	35.0

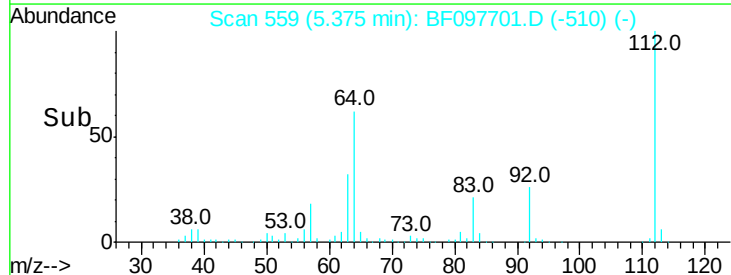
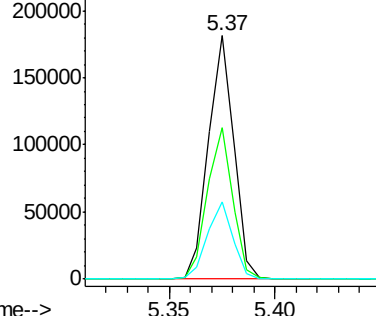


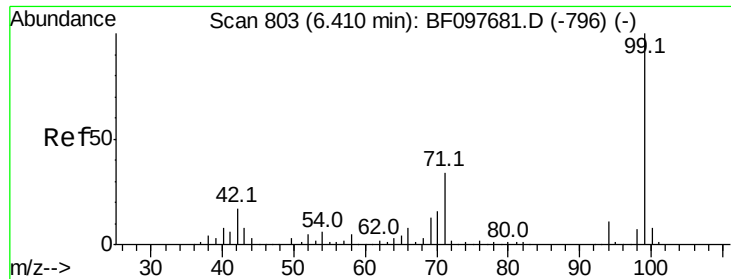
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.230 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

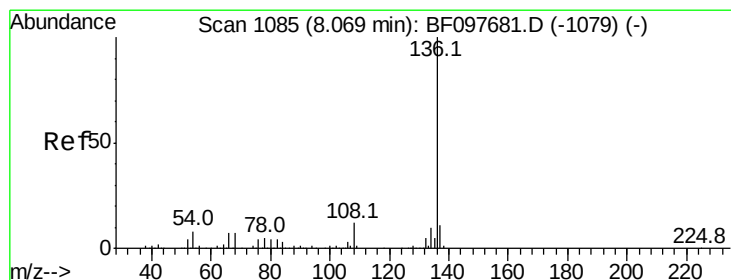
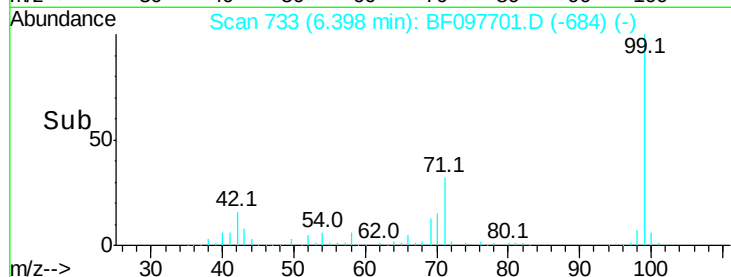
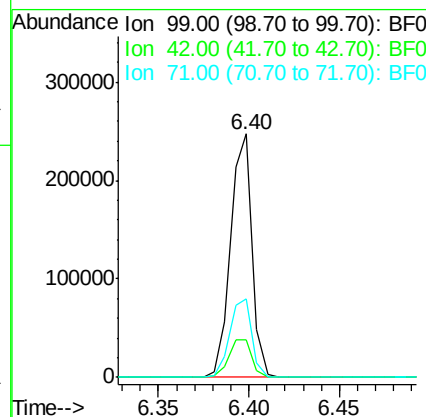
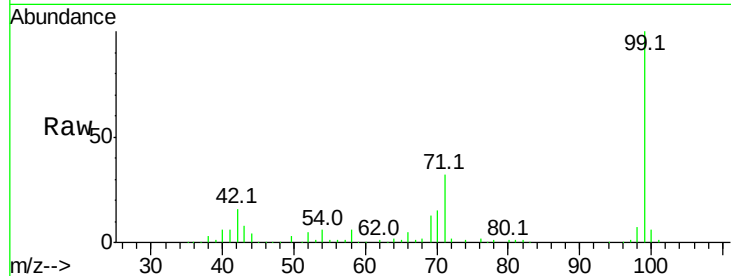
ClientSampleId :

SA-06-081117-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	99	100	202694		
42	42	15.5	13.5	20.3	
71	71	32.4	24.5	36.7	

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#21

Naphthalene-d8

Concen: 20.000 ng

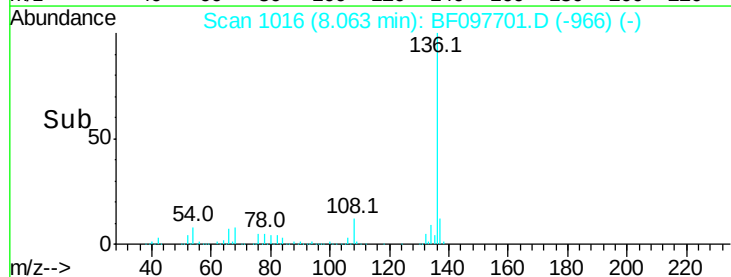
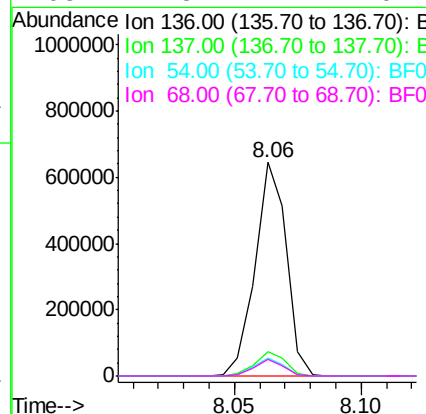
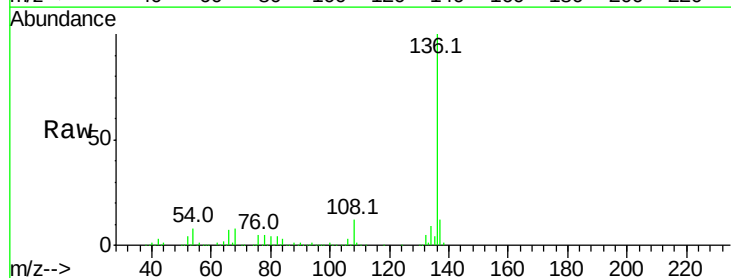
RT: 8.06 min Scan# 1016

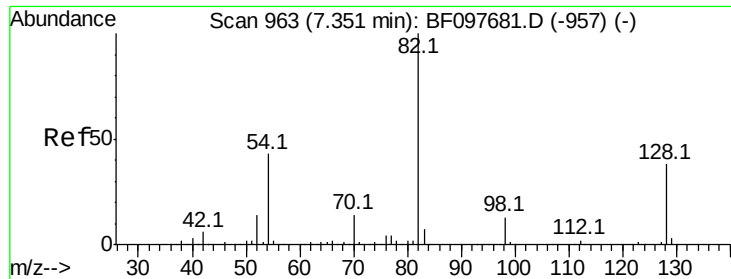
Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	136	100	551632		
137	137	11.5	8.5	12.7	
54	54	8.5	4.9	7.3#	
68	68	7.8	4.1	6.1#	





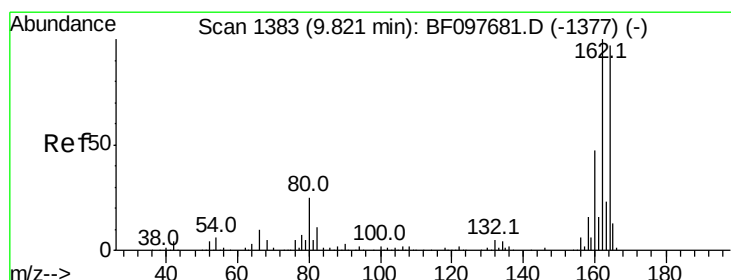
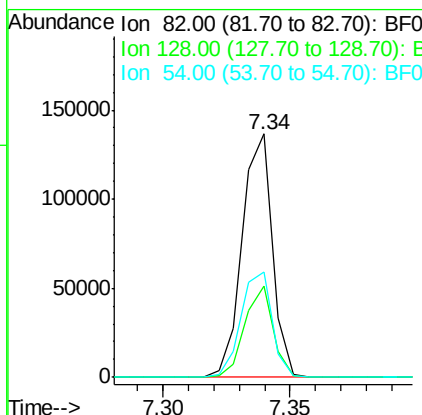
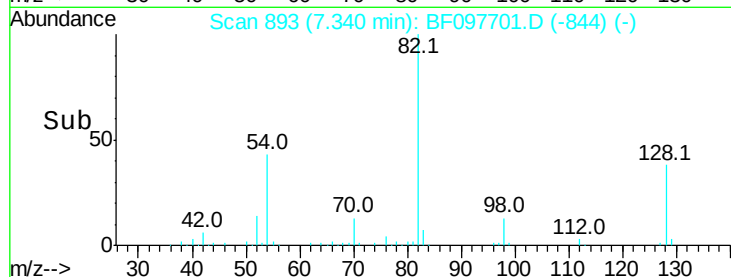
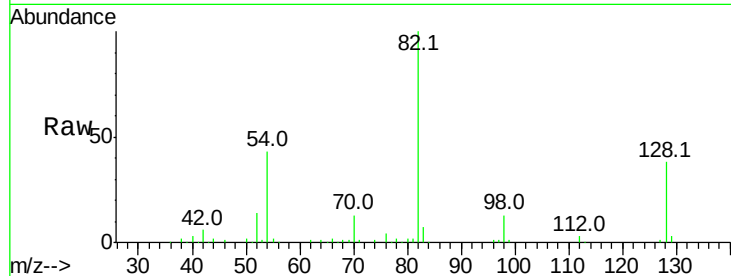
#23
 Nitrobenzene-d5
 Concen: 11.133 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.6	34.0	51.0
54	43.4	42.2	63.2

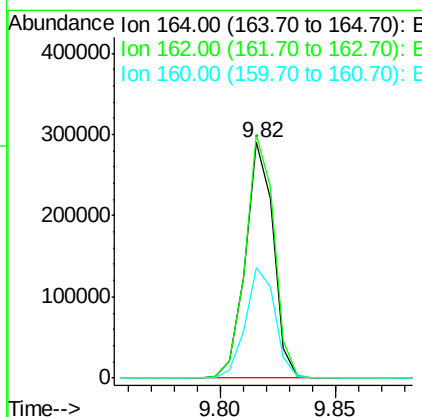
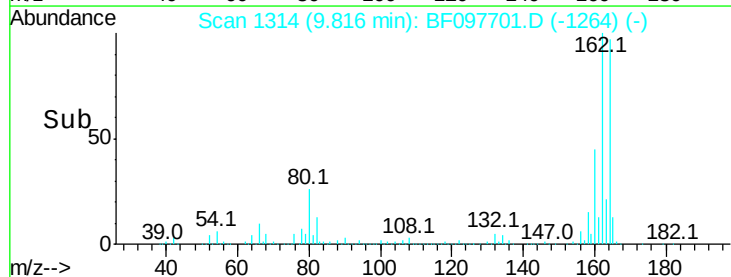
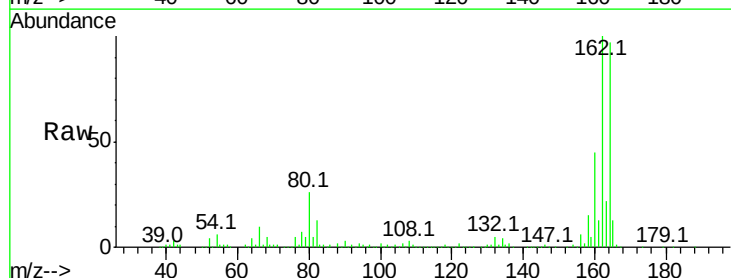
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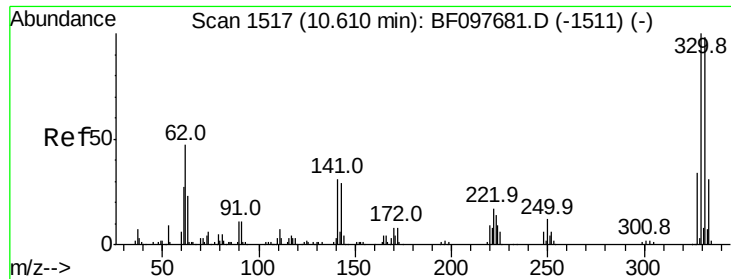
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	46.8	36.2	54.2





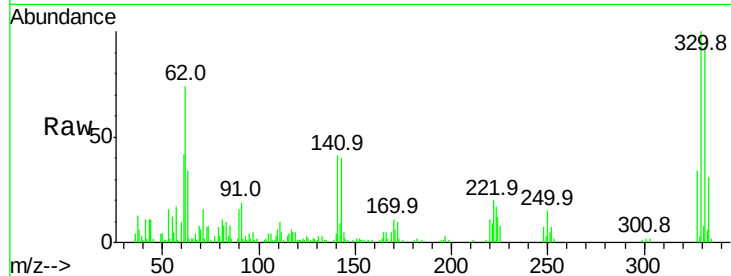
#41
 2,4,6-Tribromophenol
 Concen: 15.687 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.6	115.0	
141	42.4	31.4	47.2	

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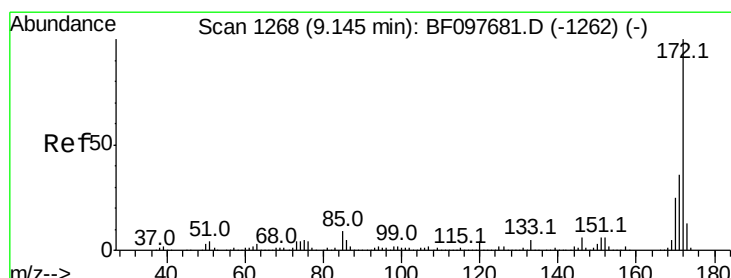
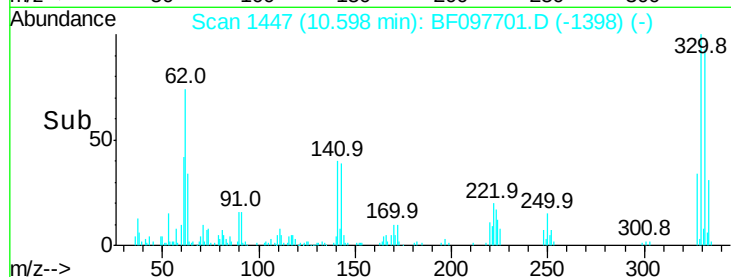
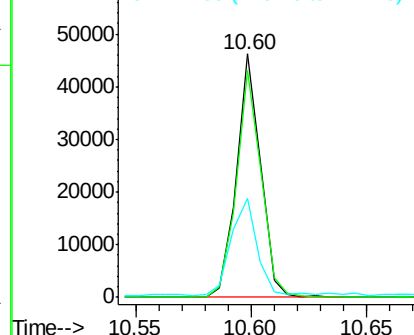


Abundance

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: 12.155 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097701.D
 Acq: 15 Aug 2017 20:00

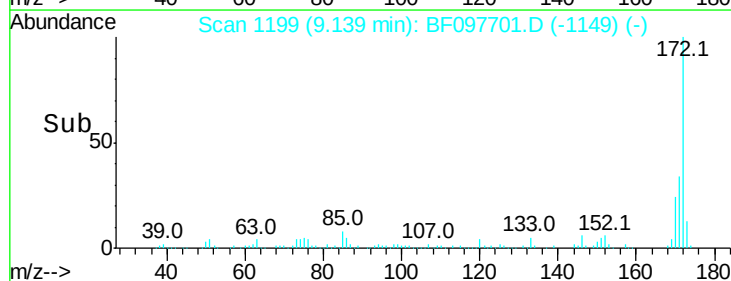
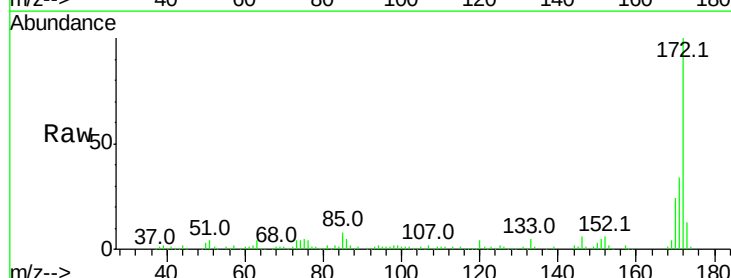
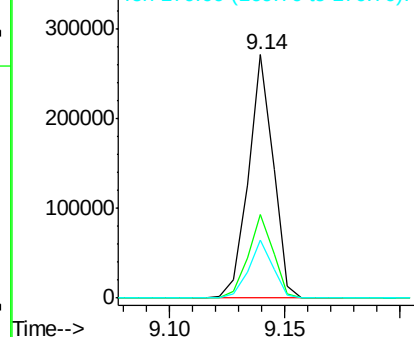
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.4	29.6	44.4	
170	23.9	19.8	29.8	

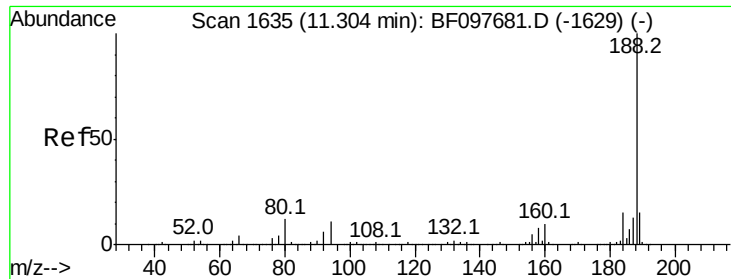
Abundance

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





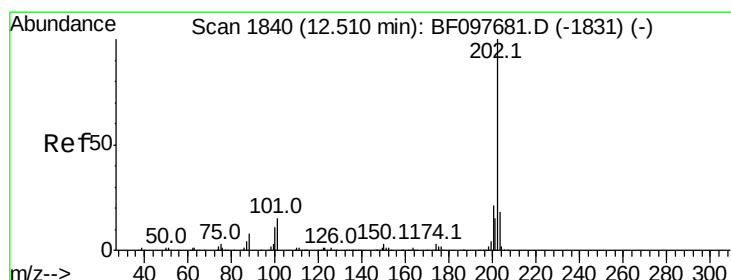
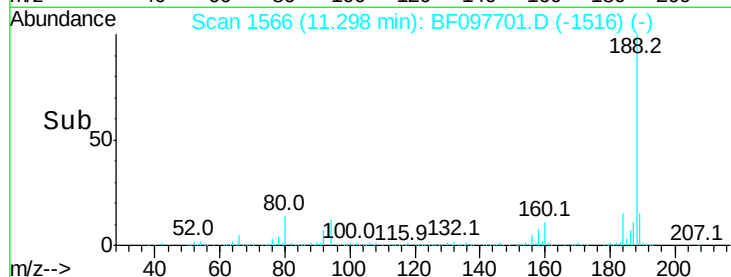
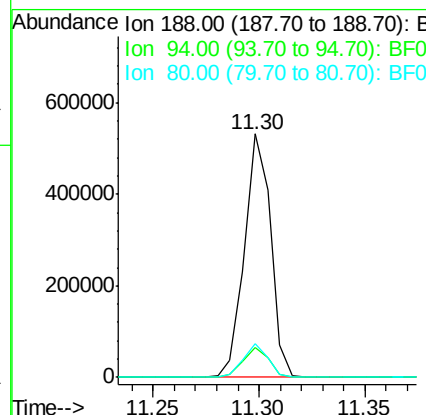
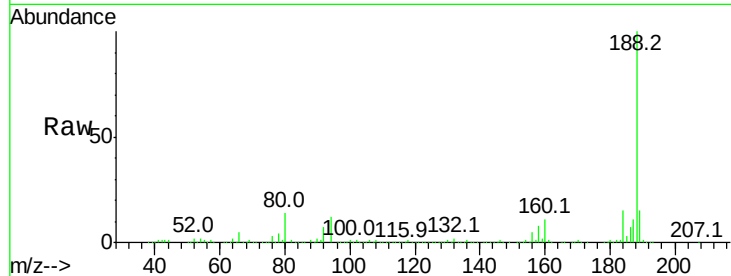
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-B

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.3	9.4	14.2
80	13.7	10.2	15.2

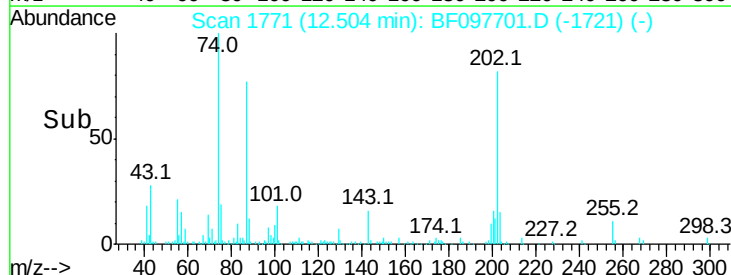
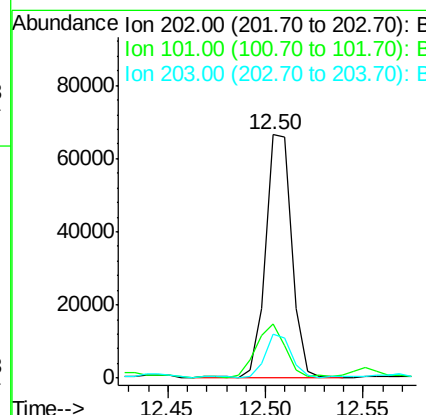
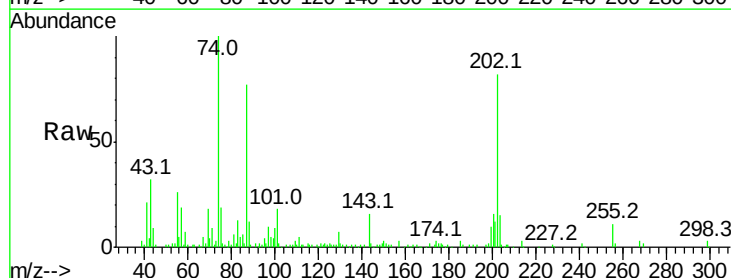
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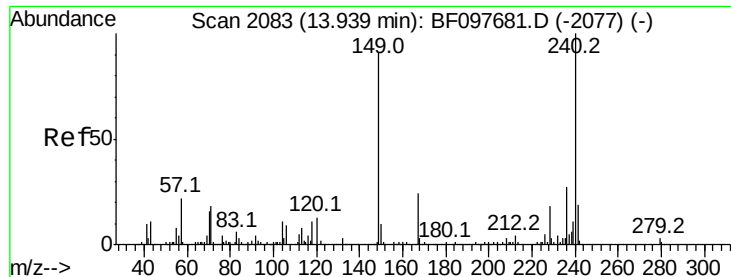
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#74
Fluoranthene
Concen: 2.466 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	22.3	0.0	33.2
203	17.9	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: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

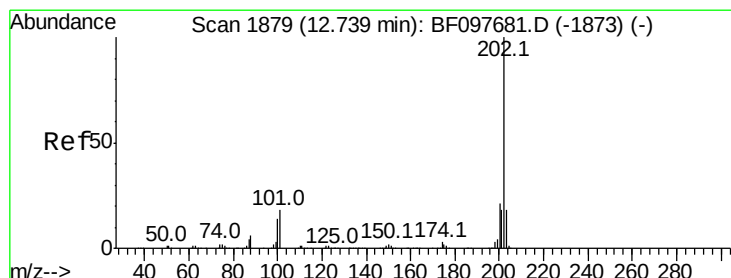
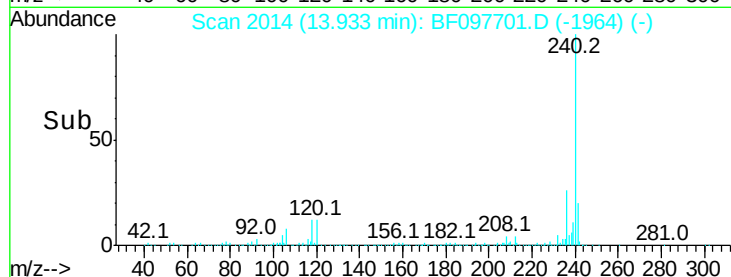
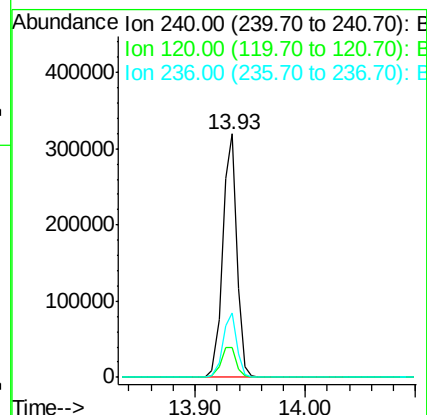
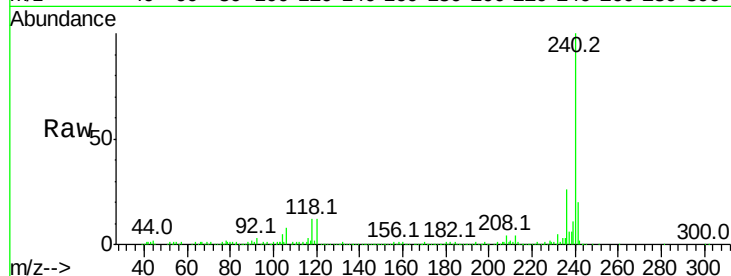
ClientSampleId :

SA-06-081117-B

Tot Ion:	240	Resp:	284962
Ion Ratio	Lower	Upper	
240	100		
120	12.3	5.8	8.8#
236	26.4	20.5	30.7

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#77

Pyrene

Concen: 3.232 ng

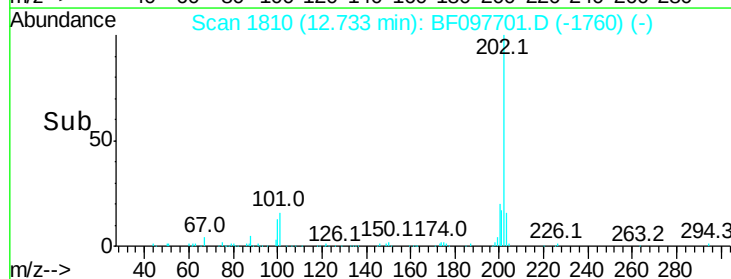
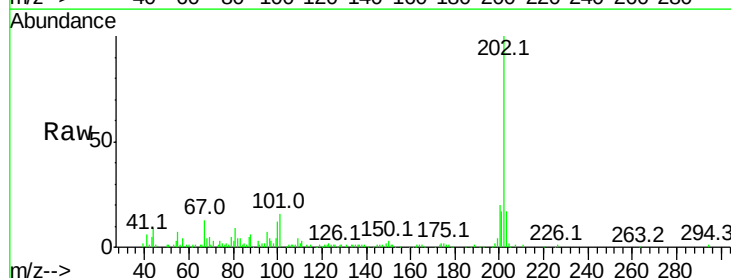
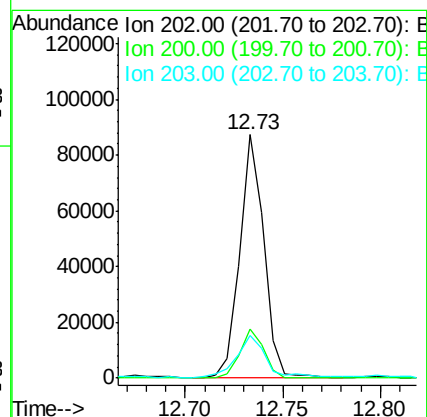
RT: 12.73 min Scan# 1810

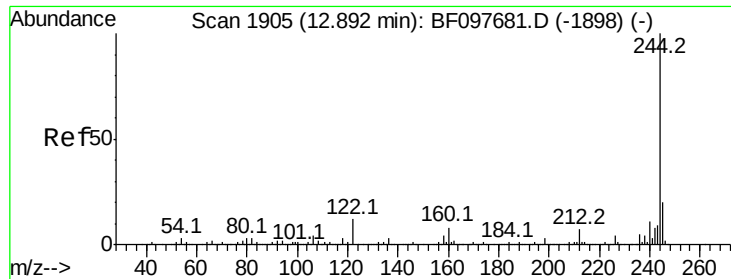
Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Tgt Ion:	202	Resp:	75337
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.6	26.4
203	17.4	14.4	21.6





#78

Terphenyl-d14

Concen: 10.626 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Instrument :

BNA_F

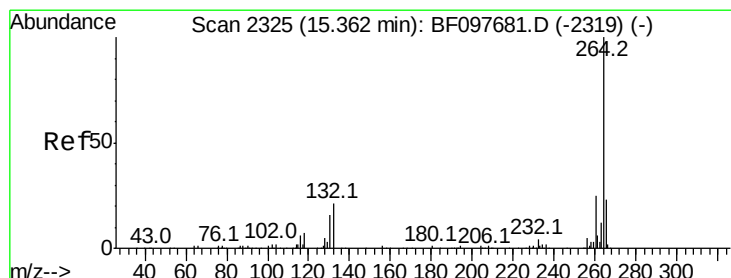
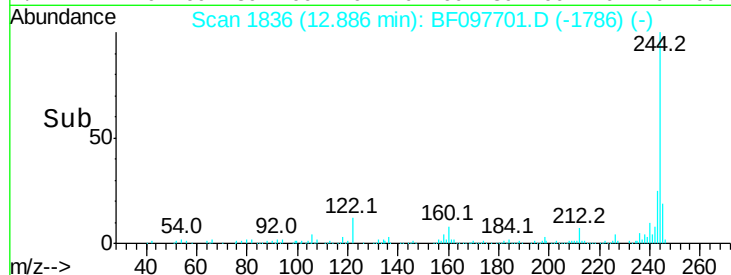
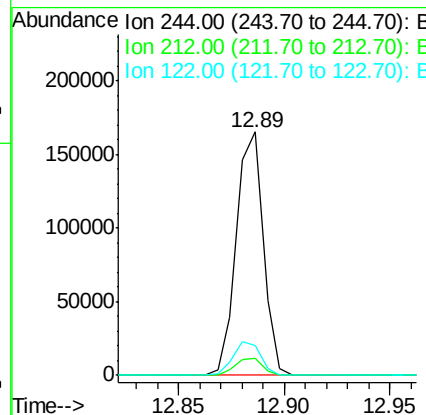
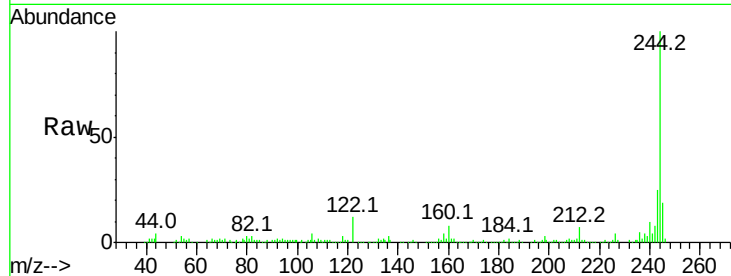
ClientSampleId :

SA-06-081117-B

Tot Ion:	244	Resp:	145206
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	12.0	10.3	15.5

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#86

Perylene-d12

Concen: 20.000 ng

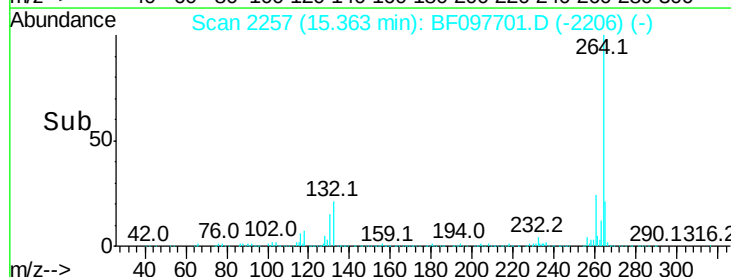
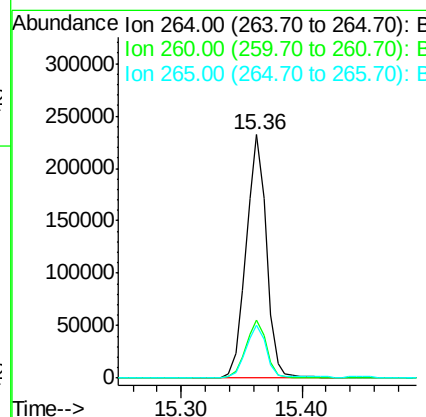
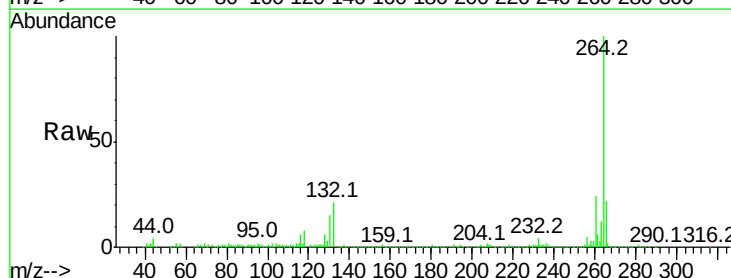
RT: 15.36 min Scan# 2257

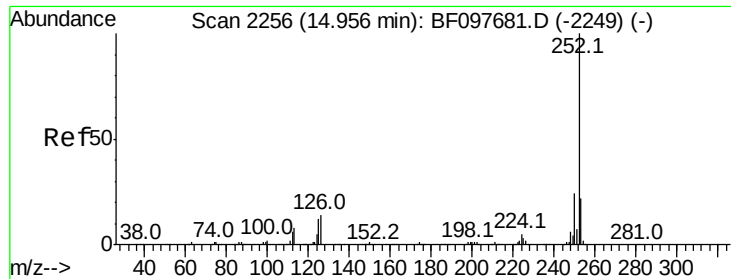
Delta R.T. 0.00 min

Lab File: BF097701.D

Acq: 15 Aug 2017 20:00

Tgt Ion:	264	Resp:	273742
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	21.7	17.2	25.8





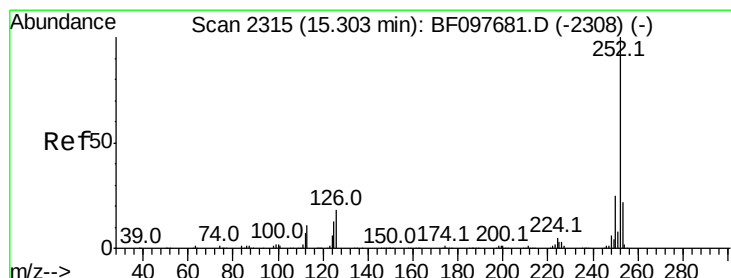
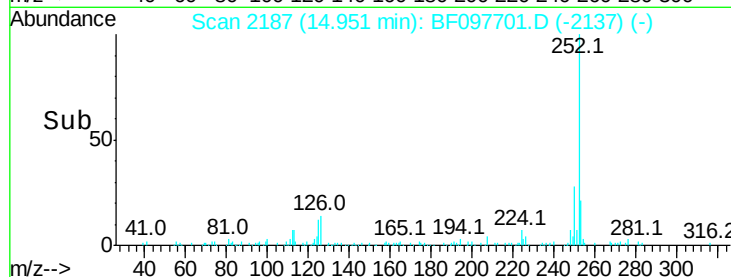
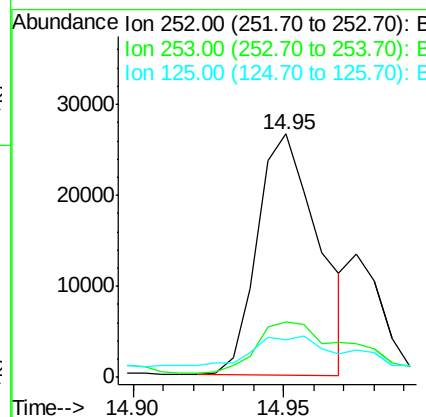
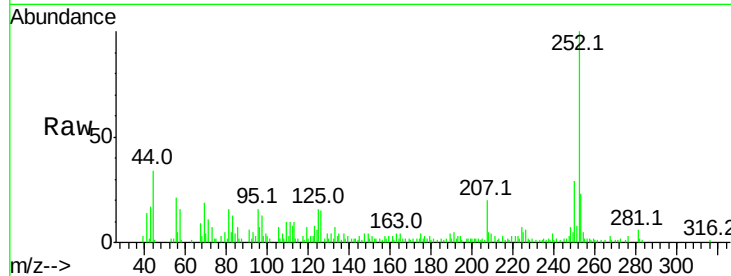
#87
Benzo(b)fluoranthene
Concen: 2.187 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	15.6	9.8	14.8

Manual Integrations
APPROVED

Sohil
8/16/2017 6:45:30 PM



#89
Benzo(a)pyrene
Concen: 2.103 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097701.D
Acq: 15 Aug 2017 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.5	26.3
125	18.6	11.0	16.4

