

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097798.D
 Acq On : 17 Aug 2017 20:55
 Operator : SJ/JU
 Sample : I4815-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081517-A

Manual Integrations
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 8/18/2017 7:02:24 PM

Quant Time: Aug 18 11:59:03 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	134708	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	481199	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	176179	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	293164	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	282588	20.00	ng	-0.01
86) Perylene-d12	15.36	264	200585	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	596446	67.35	ng	-0.01
7) Phenol-d6	6.40	99	771190	64.09	ng	0.00
23) Nitrobenzene-d5	7.33	82	451857	51.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	89221	58.37	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	564660	47.09	ng	-0.01
78) Terphenyl-d14	12.88	244	419958	30.99	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.67	152	52668	2.825	ng	98
49) Dimethylphthalate	9.53	163	82964	6.442	ng	97
70) Phenanthrene	11.32	178	36391	2.329	ng	97
74) Fluoranthene	12.50	202	148474	9.106	ng	99
77) Pyrene	12.73	202	152186	6.585	ng	97
80) Benzo(a)anthracene	13.92	228	106932m	6.314	ng	
82) Chrysene	13.95	228	106104	6.298	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.76	276	64641m	5.215	ng	
87) Benzo(b)fluoranthene	14.95	252	145131m	11.479	ng	
88) Benzo(k)fluoranthene	14.97	252	39708m	3.343	ng	
89) Benzo(a)pyrene	15.30	252	99937	8.929	ng	96
91) Benzo(a,h,i)perylene	17.18	276	64515	6.785	ng	94

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

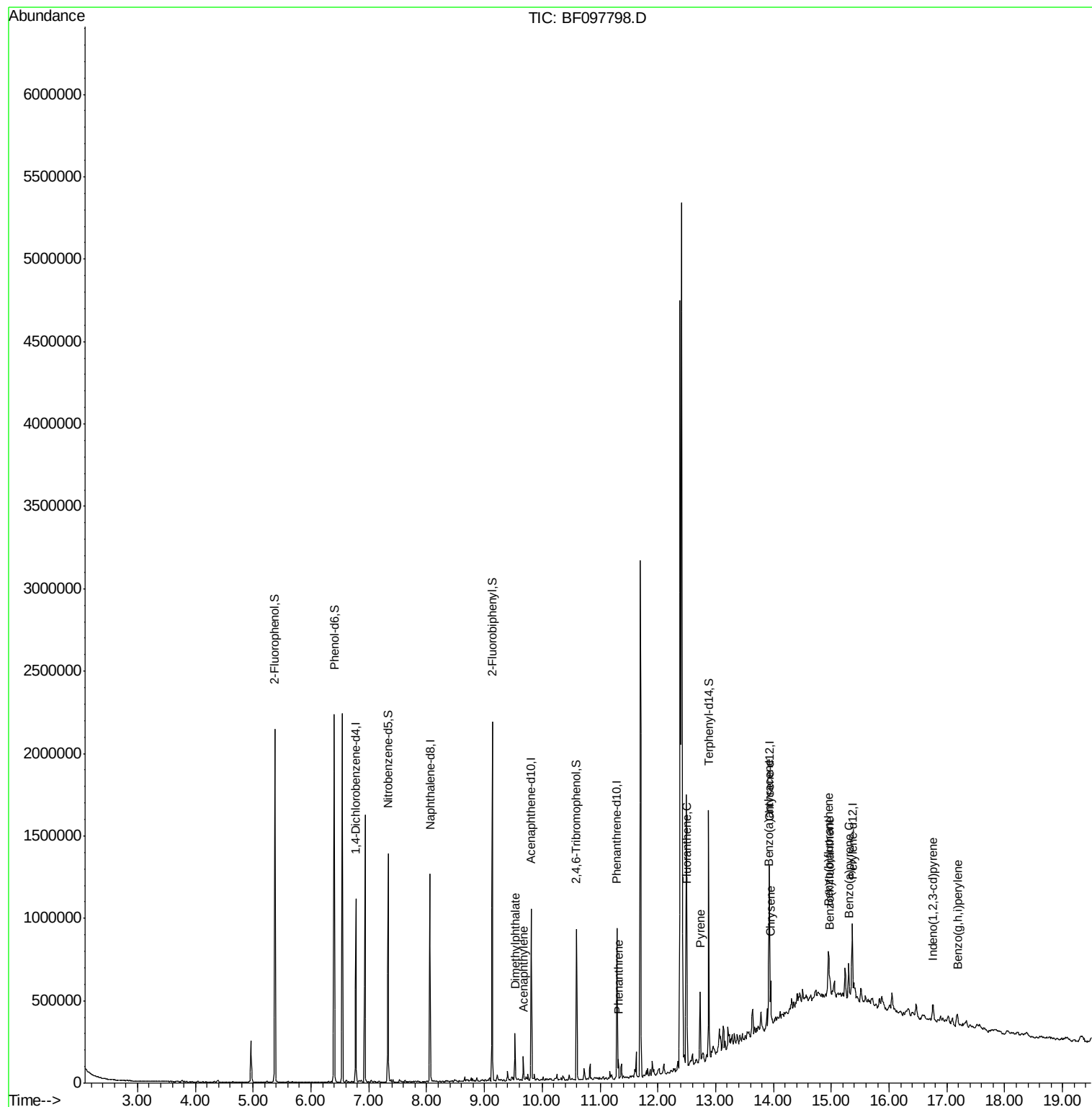
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097798.D
Acq On : 17 Aug 2017 20:55
Operator : SJ/JU
Sample : I4815-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

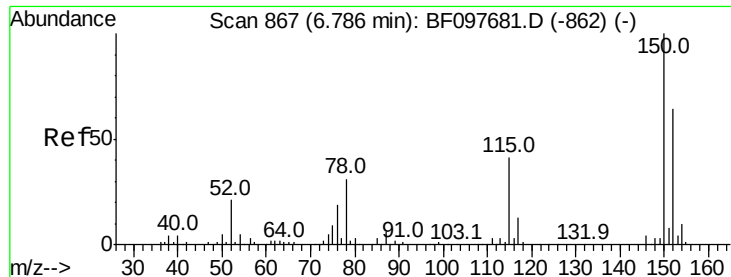
Instrument :
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TR-05-081517-A

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#1

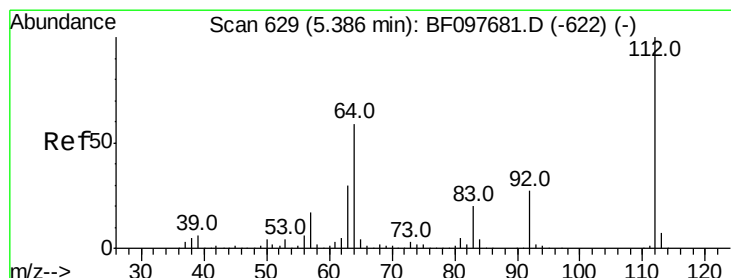
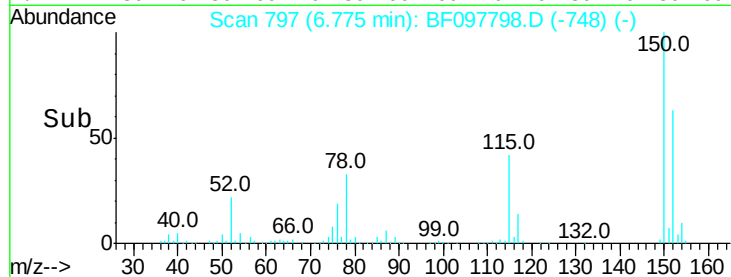
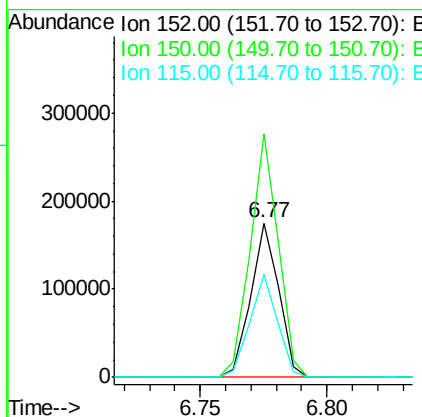
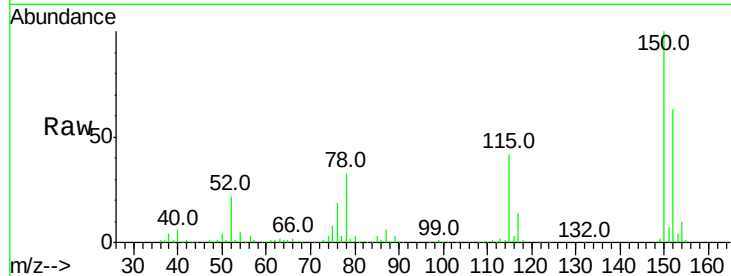
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	66.6	52.2	78.2

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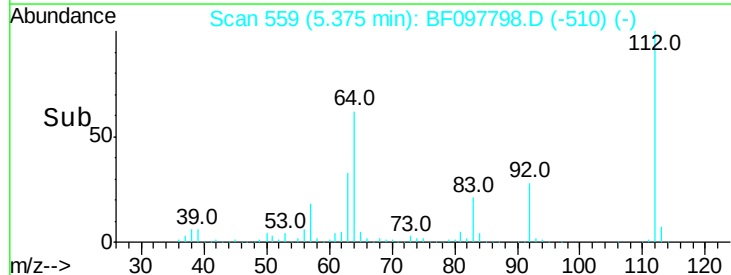
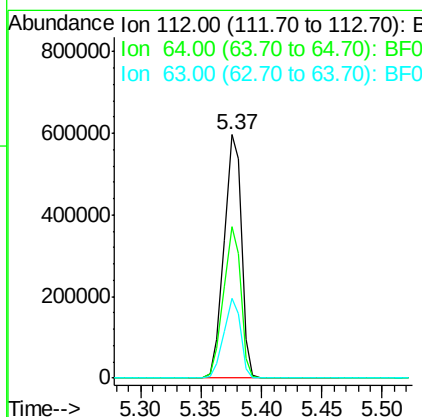
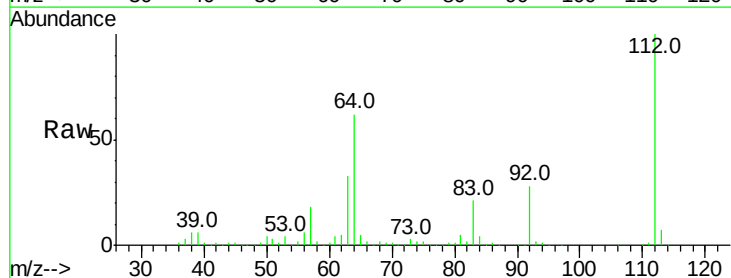
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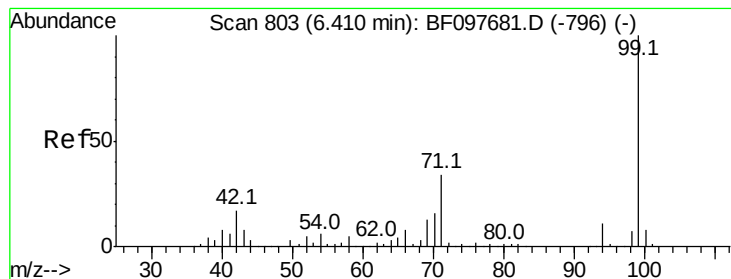


#5

2-Fluorophenol
Concen: 67.349 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 64.090 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Instrument :

BNA_F

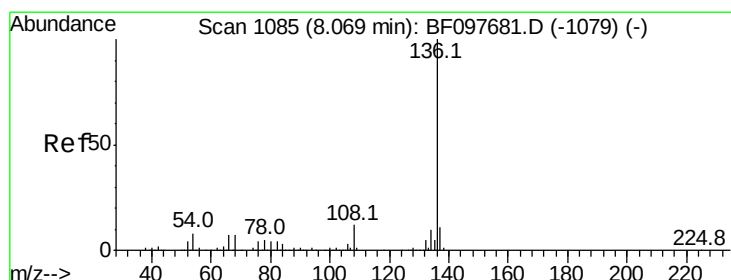
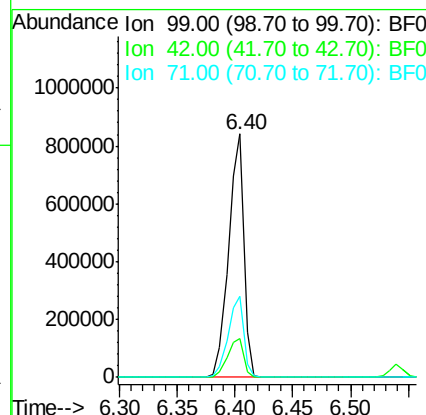
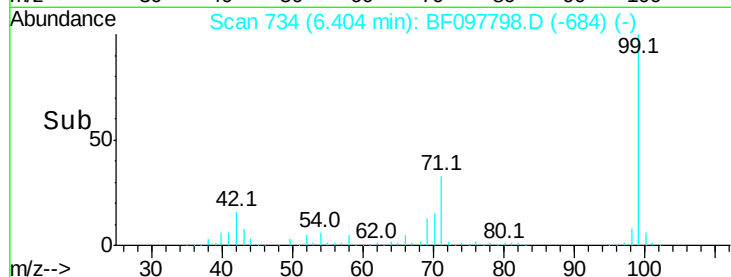
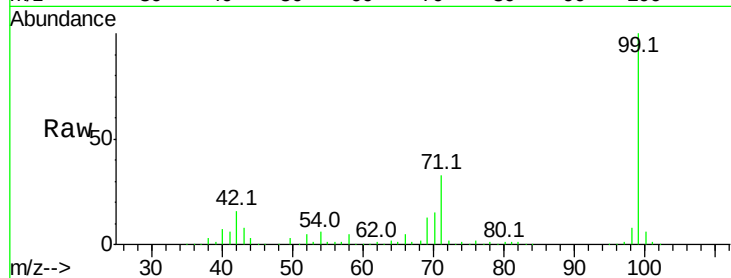
ClientSampleId :

TR-05-081517-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		771190		
42	15.8	13.5	20.3		
71	33.0	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

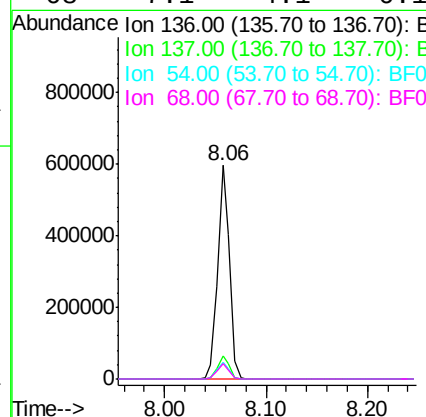
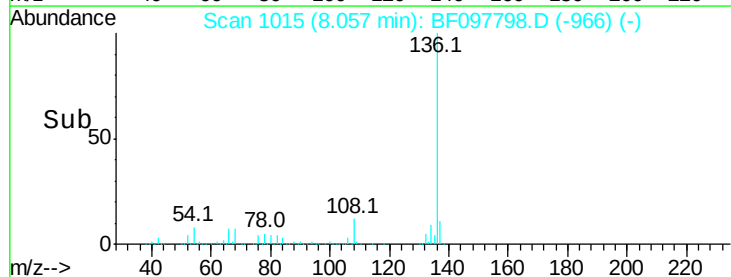
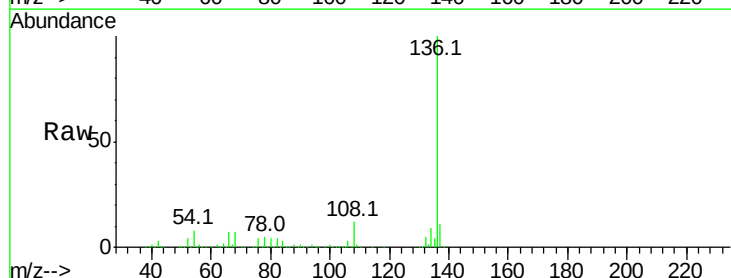
RT: 8.06 min Scan# 1015

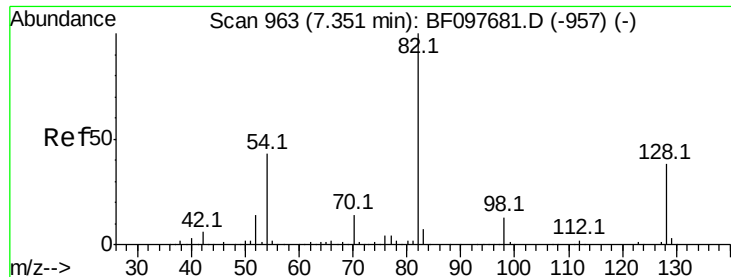
Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		481199		
137	11.1	8.5	12.7		
54	7.9	4.9	7.3#		
68	7.1	4.1	6.1#		





#23

Nitrobenzene-d5

Concen: 51.012 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Instrument :

BNA_F

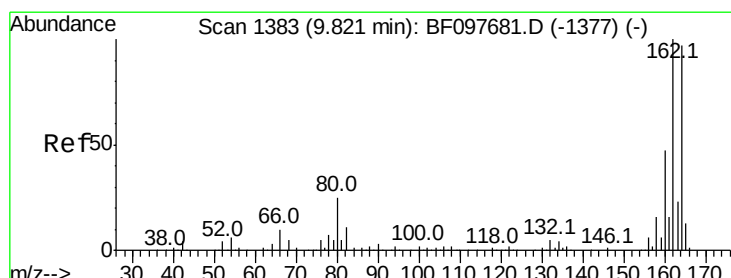
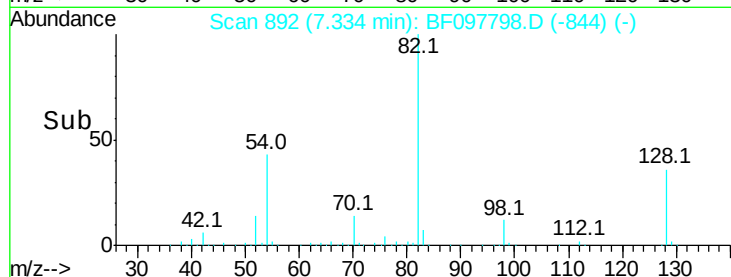
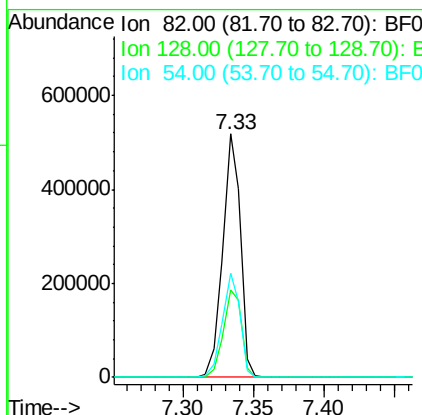
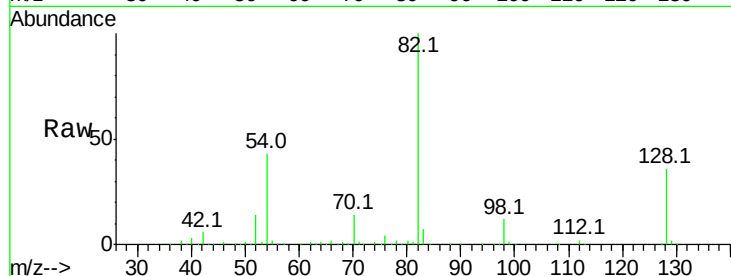
ClientSampled :

TR-05-081517-A

Tot Ion:	82	Resp:	451857
Ion Ratio	Lower	Upper	
82	100		
128	35.8	34.0	51.0
54	43.0	42.2	63.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

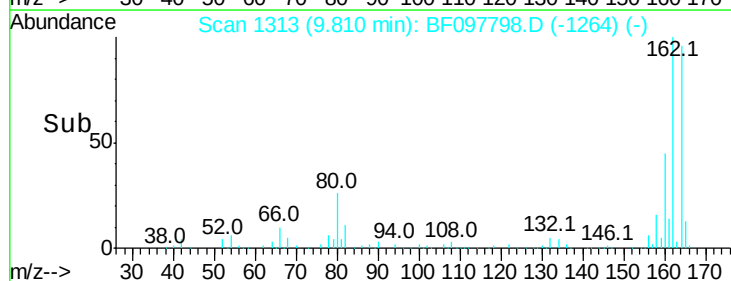
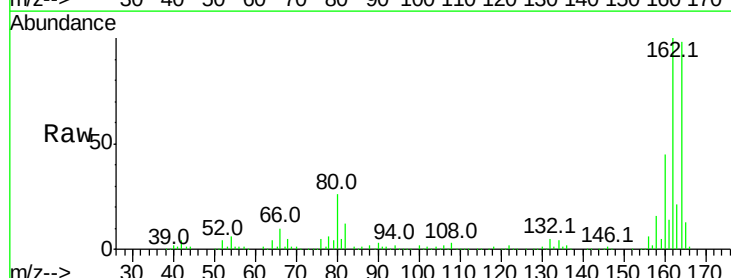
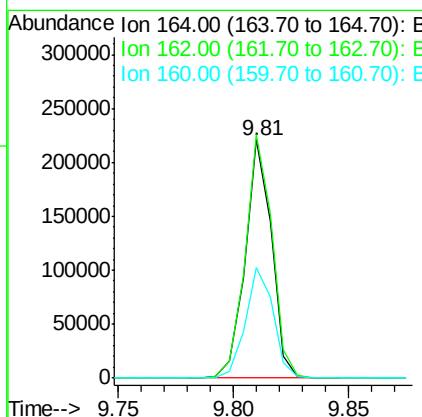
RT: 9.81 min Scan# 1313

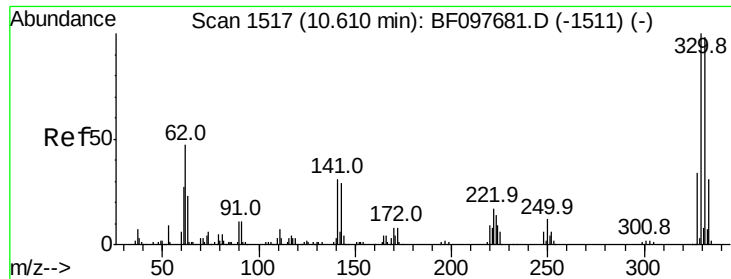
Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Tgt Ion:	164	Resp:	176179
Ion Ratio	Lower	Upper	
164	100		
162	102.3	82.6	123.8
160	46.3	36.2	54.2





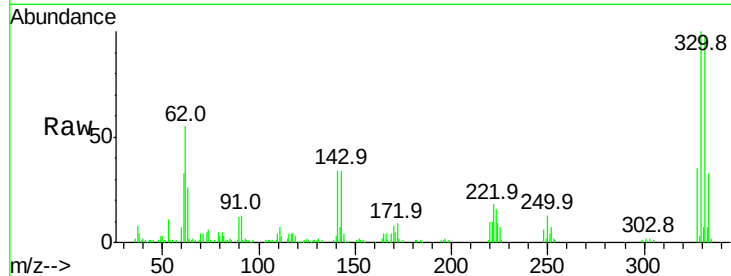
#41
 2,4,6-Tribromophenol
 Concen: 58.366 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097798.D
 Acq: 17 Aug 2017 20:55

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081517-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.6	115.0	
141	42.9	31.4	47.2	

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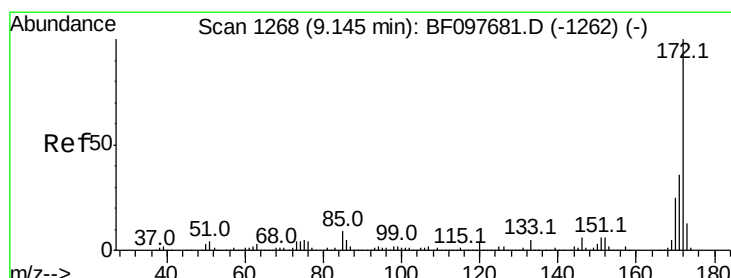
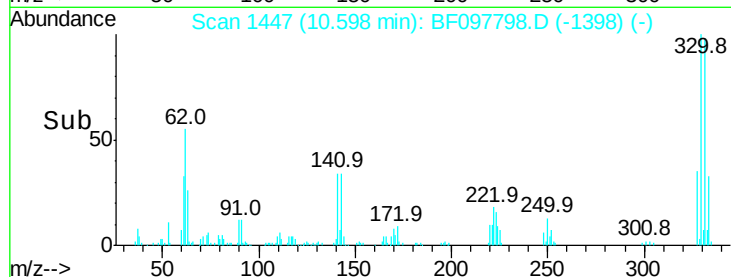
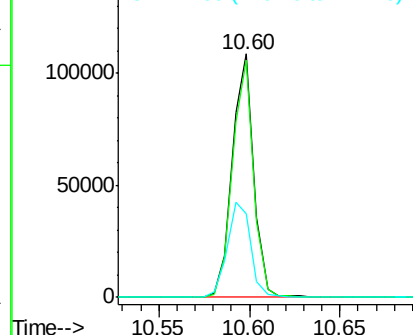


Abundance

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: 47.089 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097798.D
 Acq: 17 Aug 2017 20:55

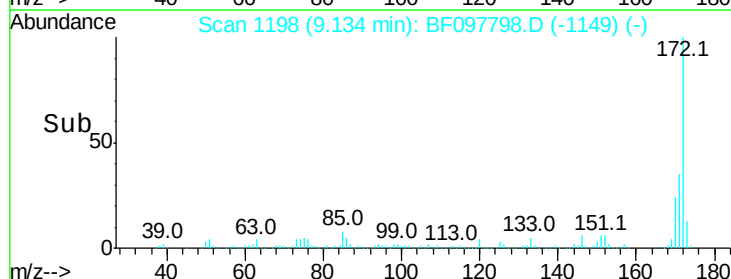
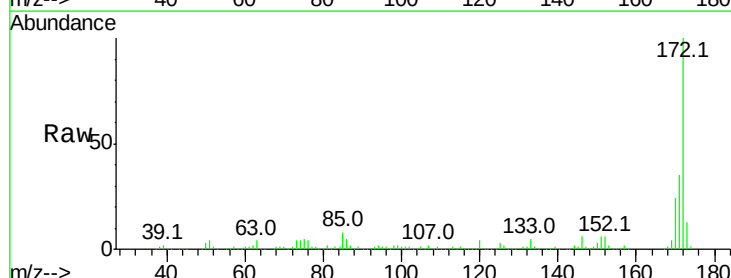
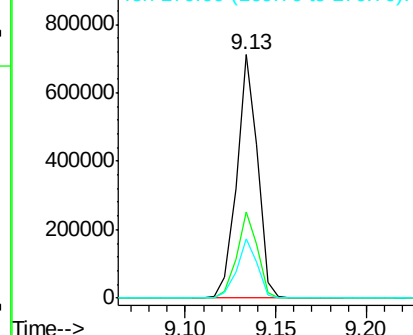
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.6	44.4	
170	24.2	19.8	29.8	

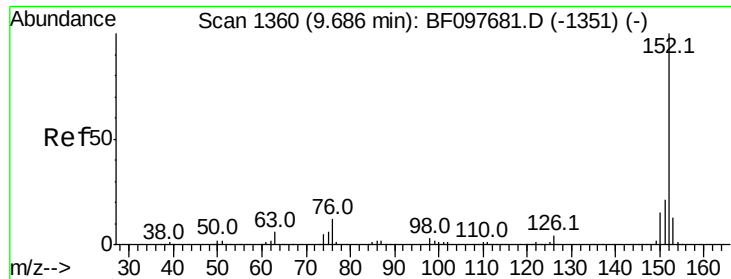
Abundance

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





#48

Acenaphthylene

Concen: 2.825 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Instrument :

BNA_F

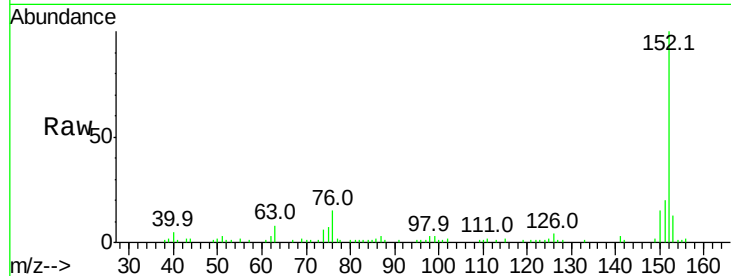
ClientSampleId :

TR-05-081517-A

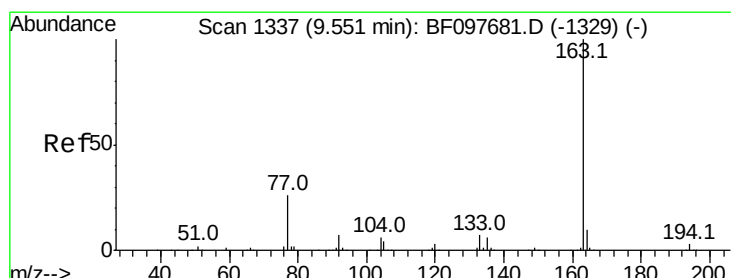
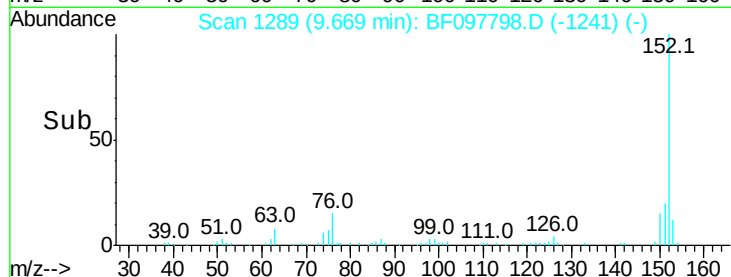
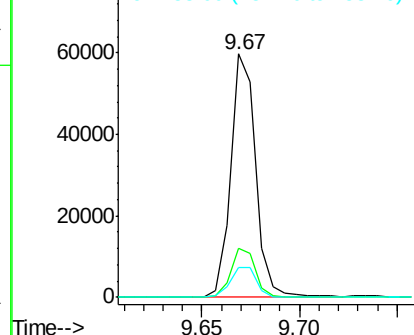
Tot Ion:	152	Resp:	52668
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.8	25.2
153	12.5	10.8	16.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 6.442 ng

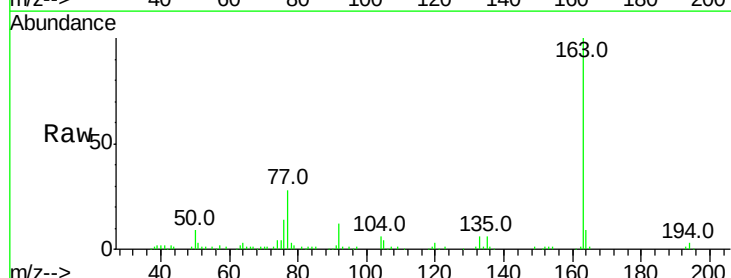
RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

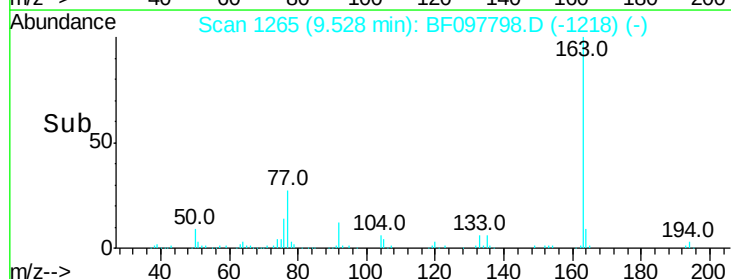
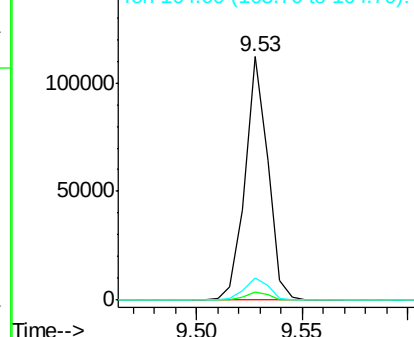
Lab File: BF097798.D

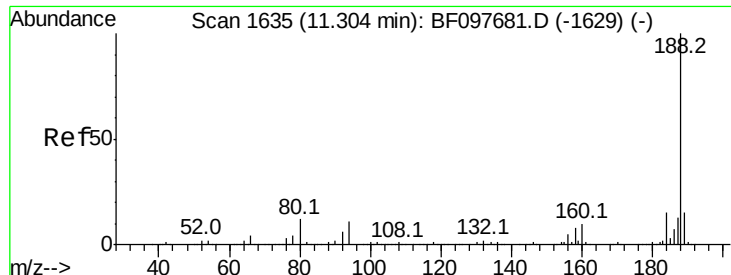
Acq: 17 Aug 2017 20:55

Tgt Ion:	163	Resp:	82964
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	9.2	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





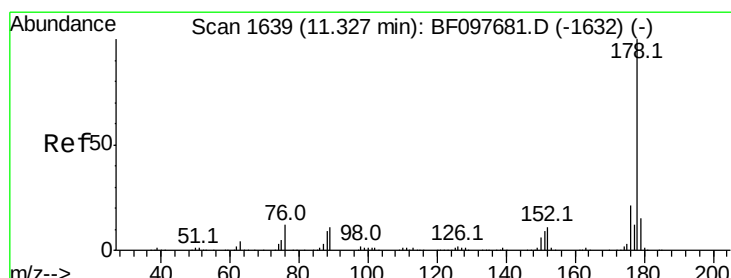
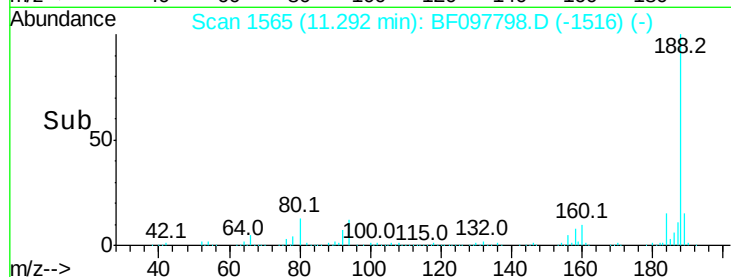
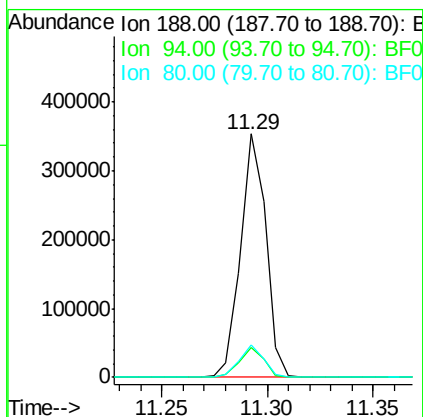
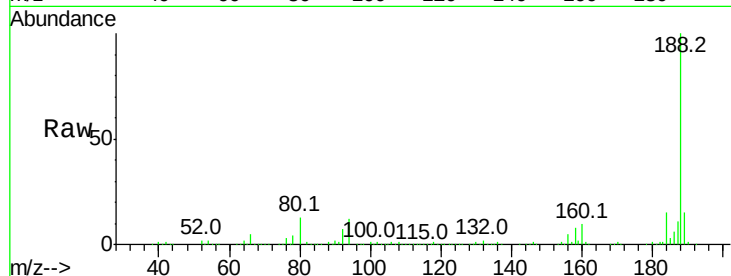
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	293164		
94	12.4		9.4	14.2
80	13.2		10.2	15.2

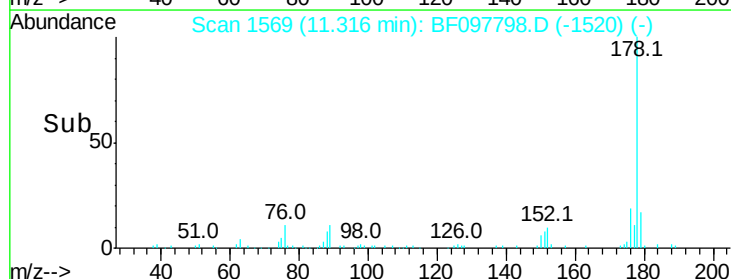
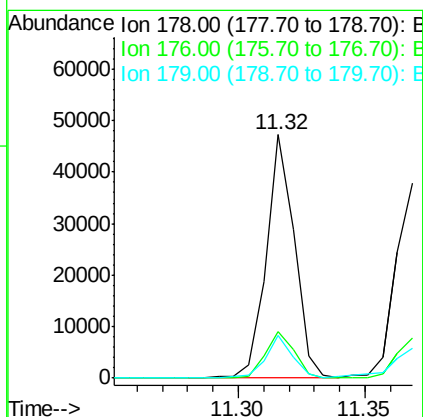
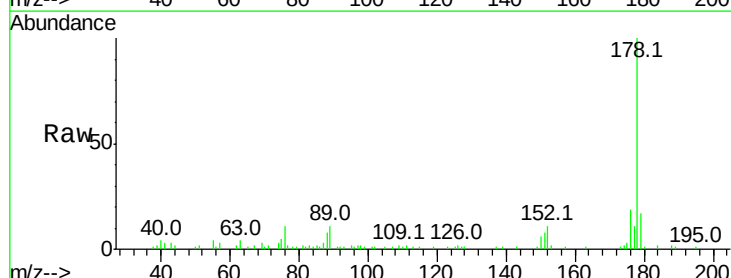
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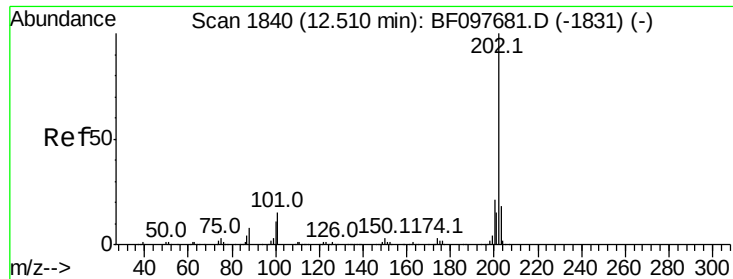
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#70
Phenanthrene
Concen: 2.329 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	36391		
176	18.9		16.2	24.4
179	17.3		12.6	19.0





#74

Fluoranthene

Concen: 9.106 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Instrument :

BNA_F

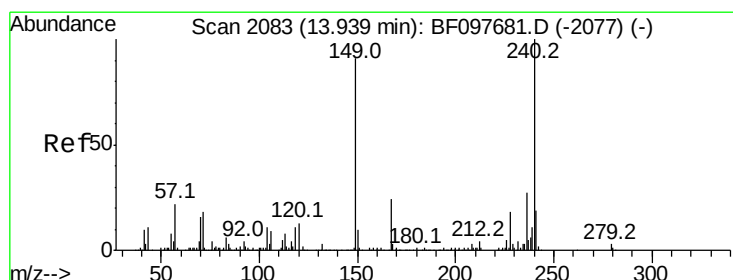
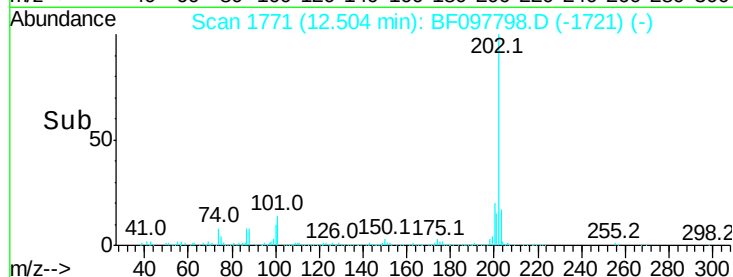
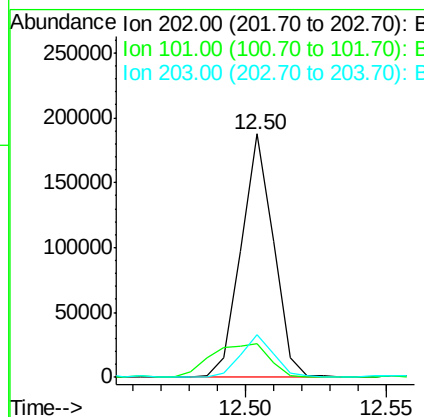
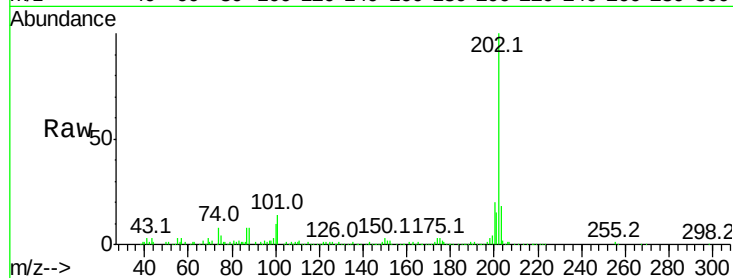
ClientSampleId :

TR-05-081517-A

Tot Ion:	202	Resp:	148474
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	33.2
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

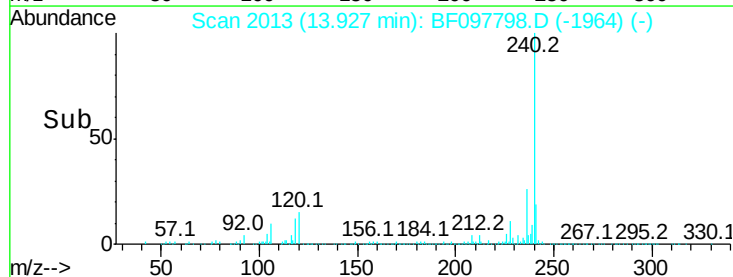
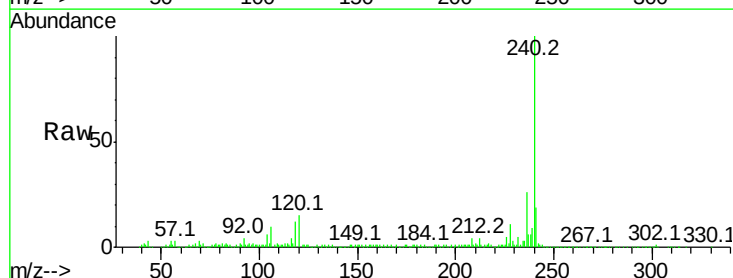
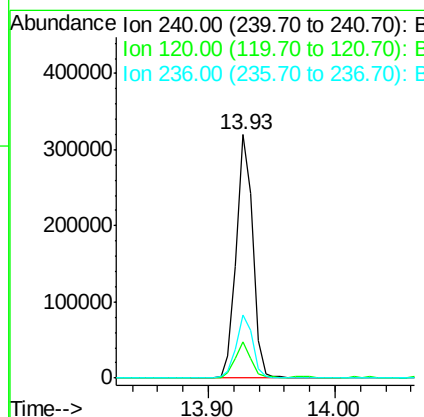
RT: 13.93 min Scan# 2013

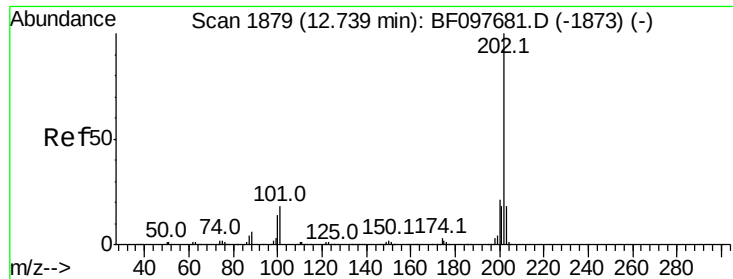
Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Tgt Ion:	240	Resp:	282588
Ion Ratio	Lower	Upper	
240	100		
120	15.1	5.8	8.8#
236	26.0	20.5	30.7





#77

Pvrene

Concen: 6.585 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Instrument :

BNA_F

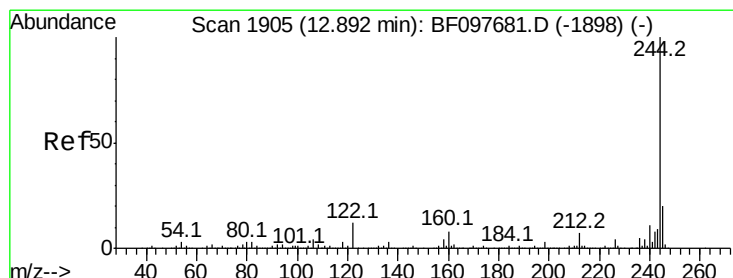
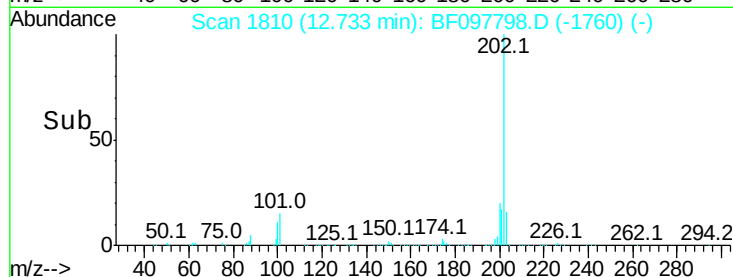
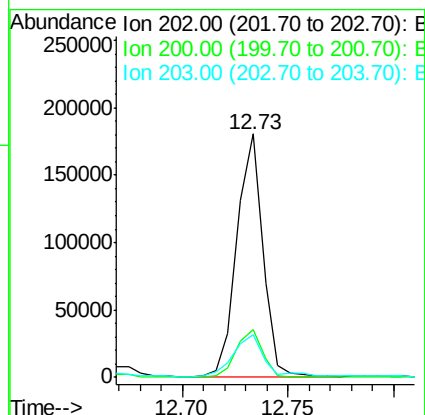
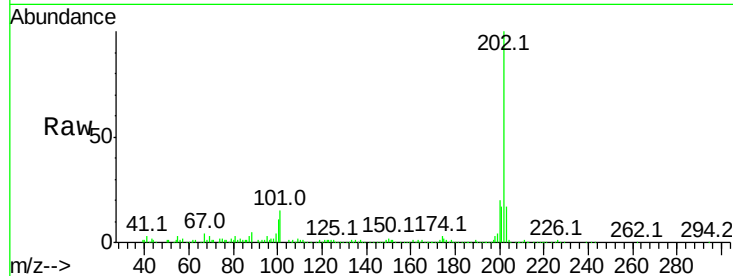
ClientSampleId :

TR-05-081517-A

Tot Ion:	202	Resp:	152186
Ion Ratio	Lower	Upper	
202	100		
200	19.8	17.6	26.4
203	17.4	14.4	21.6

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#78

Terphenyl-d14

Concen: 30.990 ng

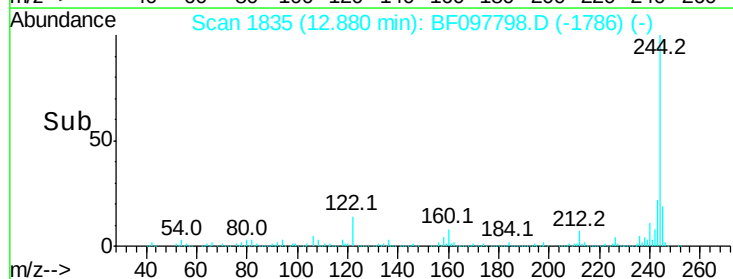
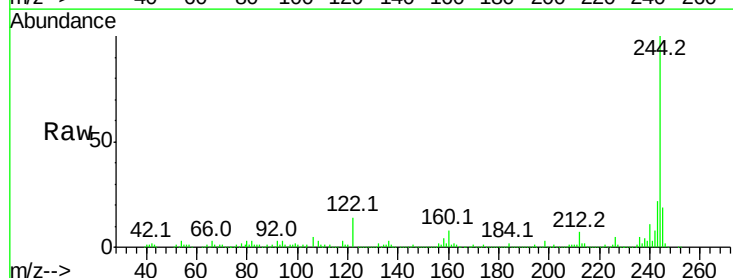
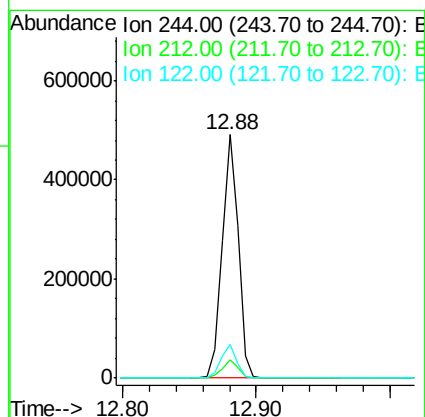
RT: 12.88 min Scan# 1835

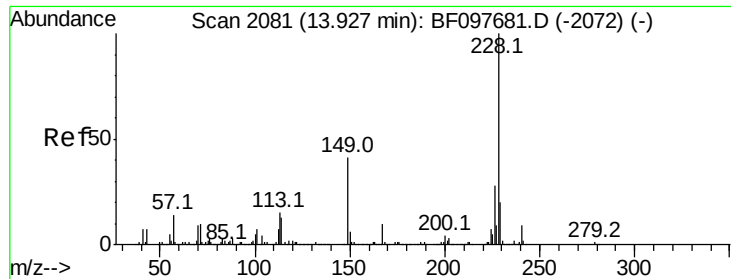
Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Tgt Ion:	244	Resp:	419958
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	13.7	10.3	15.5





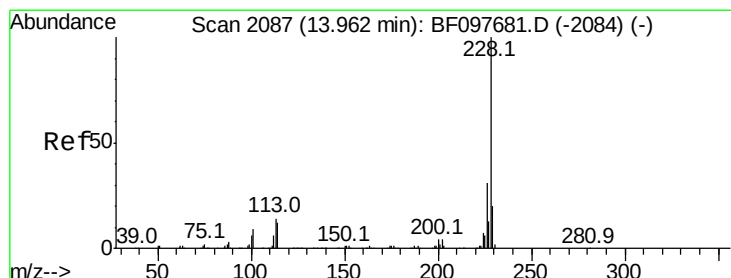
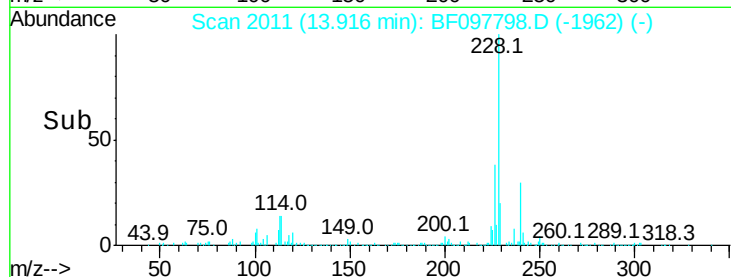
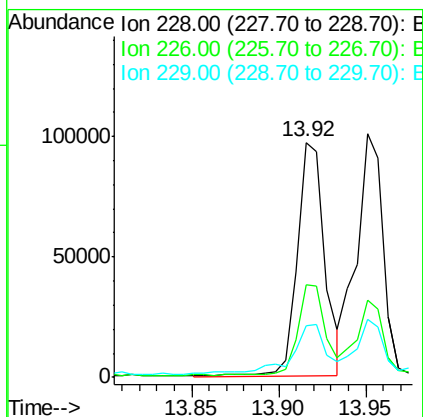
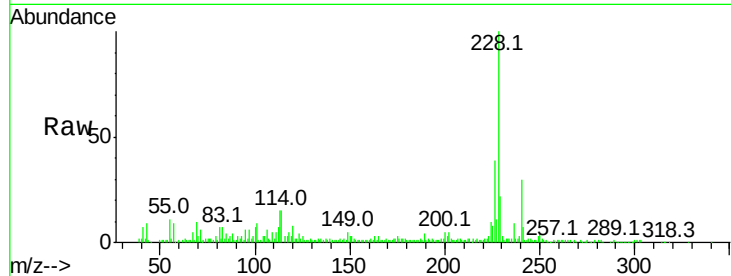
#80
Benzo(a)anthracene
Concen: 6.314 ng m
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.2	22.6	33.8#
229	22.0	16.3	24.5

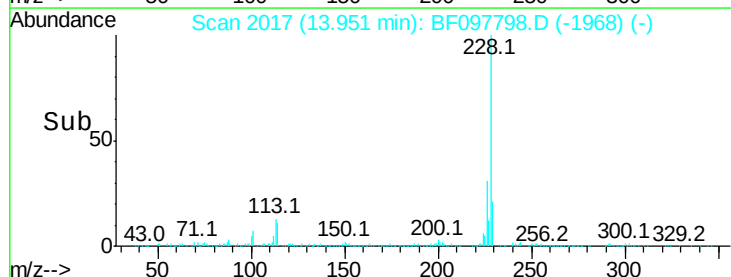
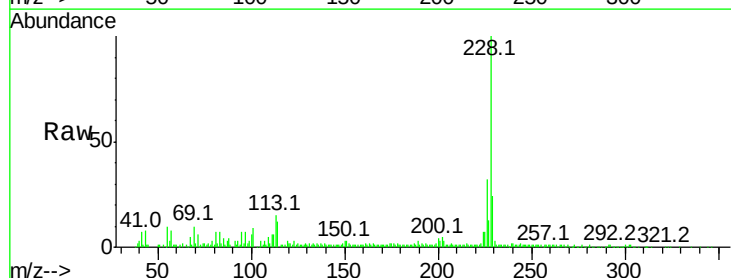
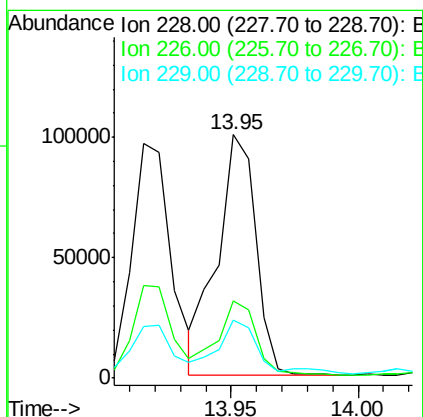
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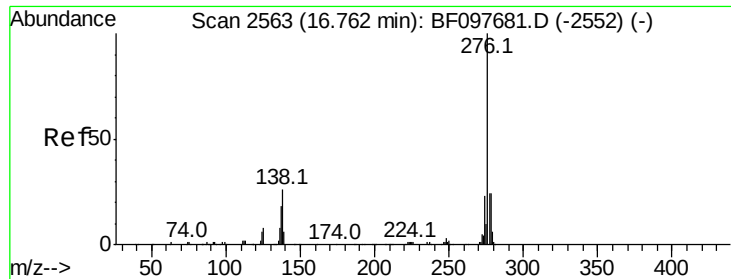
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#82
Chrysene
Concen: 6.298 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	23.7	15.8	23.6#





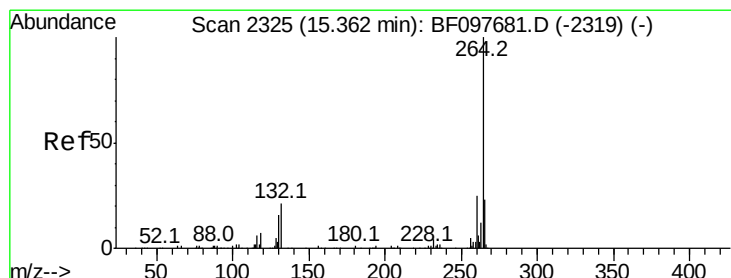
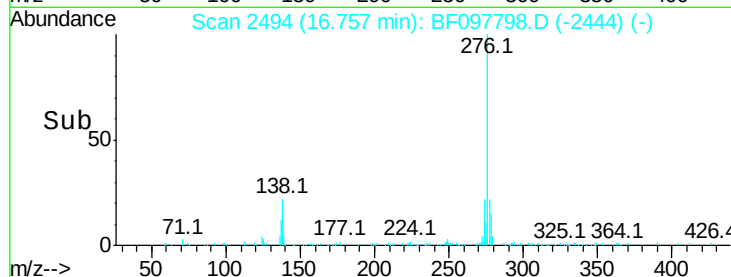
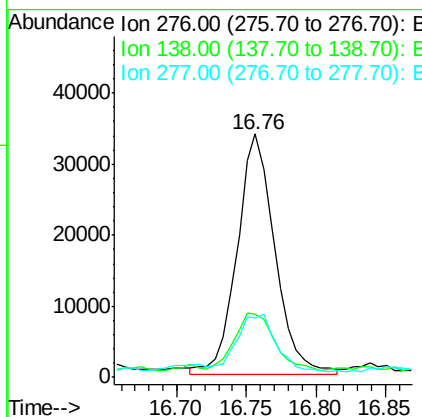
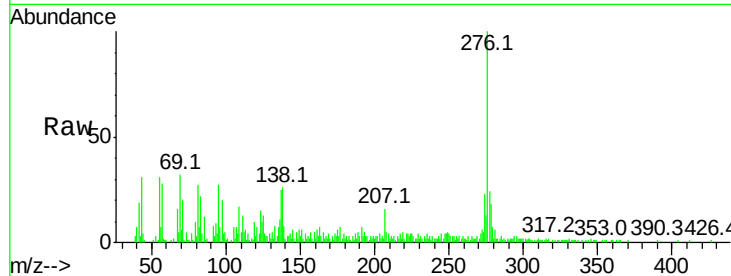
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.215 ng/ml
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.8	27.8	41.6#
277	5.3	20.2	30.4#

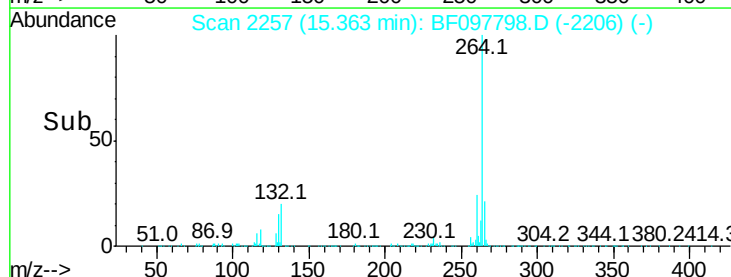
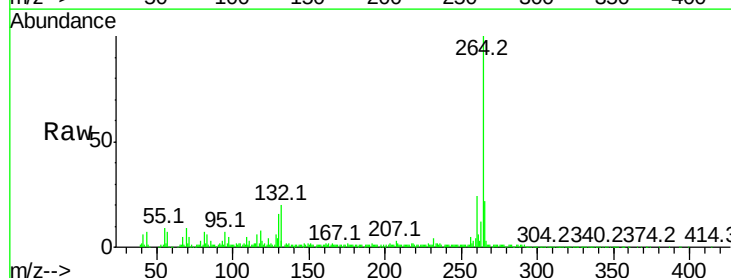
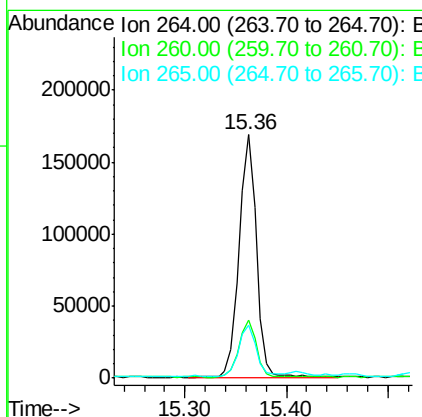
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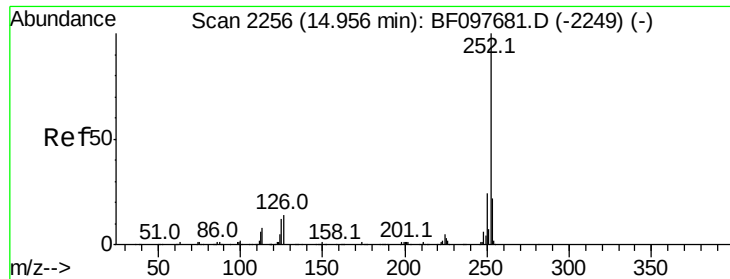
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 11.479 ng m

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Instrument :

BNA_F

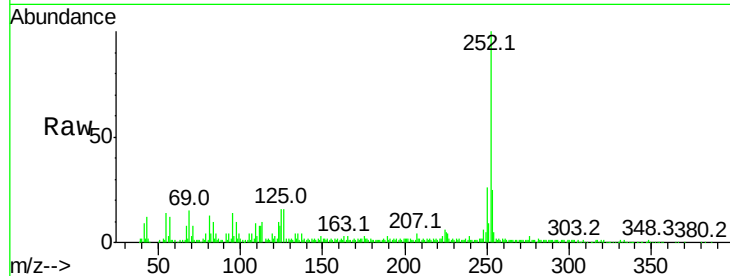
ClientSampleId :

TR-05-081517-A

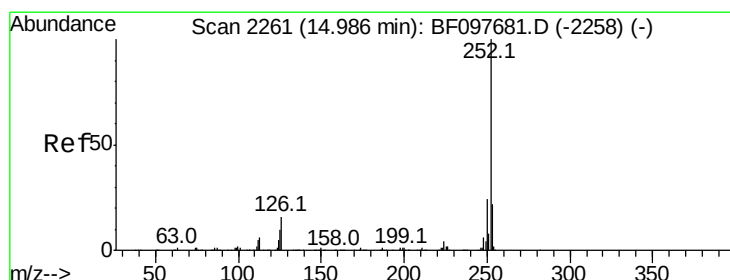
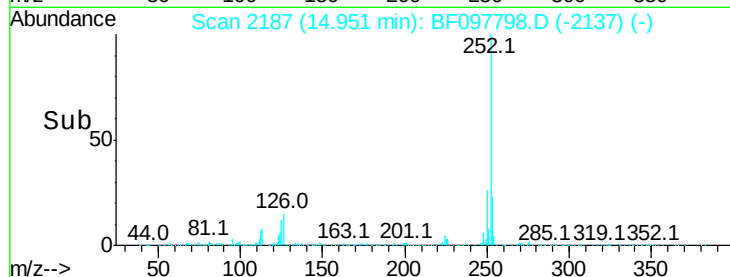
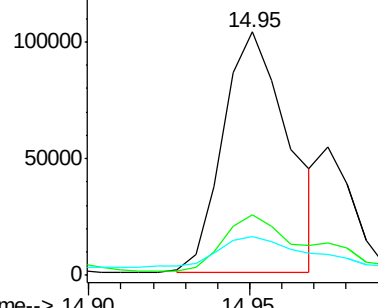
Tot Ion:252	Resp:	145131
Ion Ratio	Lower	Upper
252	100	
253	24.7	18.1 27.1
125	15.7	9.8 14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.343 ng m

RT: 14.97 min Scan# 2191

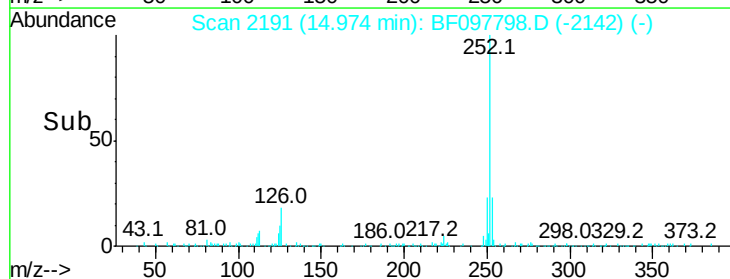
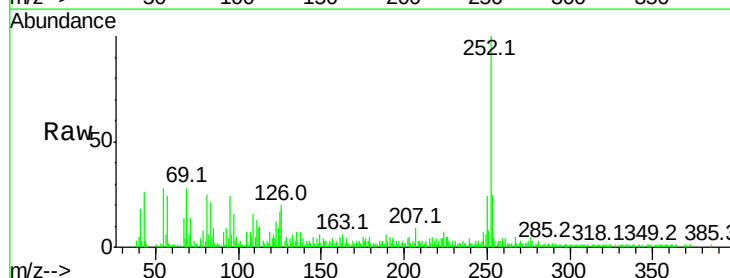
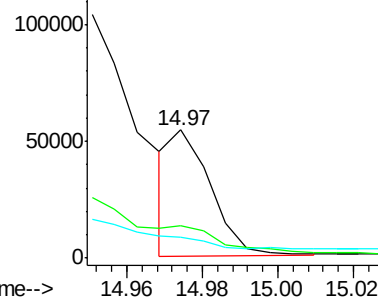
Delta R.T. -0.01 min

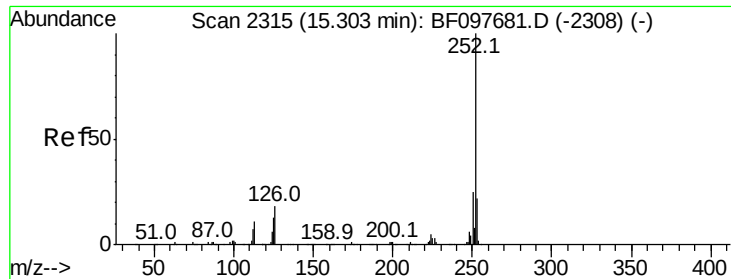
Lab File: BF097798.D

Acq: 17 Aug 2017 20:55

Tgt Ion:252	Resp:	39708
Ion Ratio	Lower	Upper
252	100	
253	25.1	18.4 27.6
125	16.6	13.1 19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





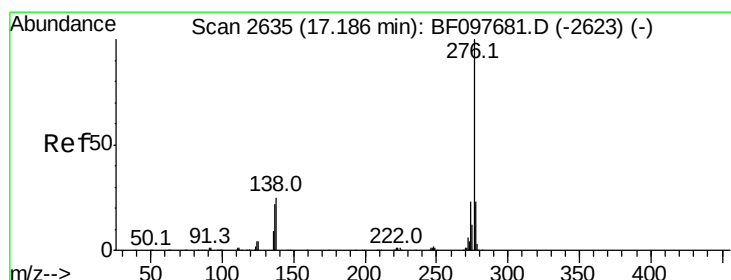
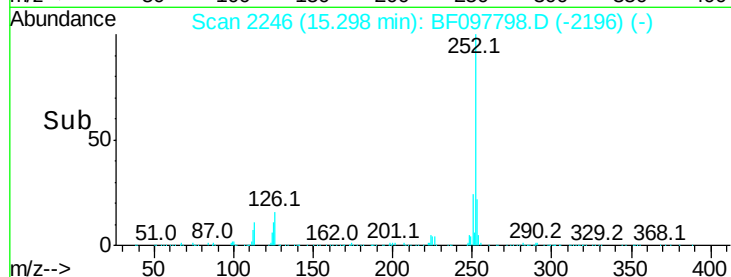
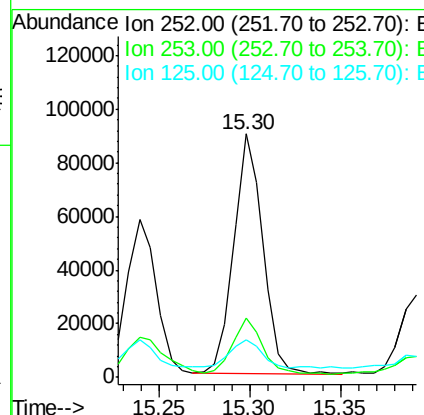
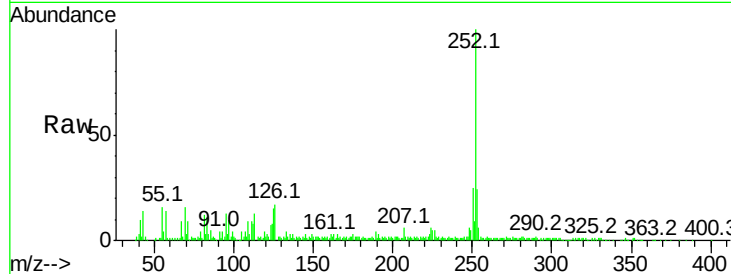
#89
Benzo(a)pyrene
Concen: 8.929 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Instrument :
BNA_F
ClientSampleId :
TR-05-081517-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	15.4	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.785 ng
RT: 17.18 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BF097798.D
Acq: 17 Aug 2017 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	27.3	25.4	38.0

