

Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097980.D
 Acq On : 23 Aug 2017 3:42
 Operator : SJ/JU
 Sample : I4908-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-A

Manual Integrations
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Sohil
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Quant Time: Aug 23 12:41:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	138455	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	529607	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	215157	20.00	ng	0.00
63) Phenanthrene-d10	11.27	188	329733	20.00	ng	0.00
75) Chrysene-d12	13.91	240	269458	20.00	ng	0.01
86) Perylene-d12	15.33	264	210090	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	225118	24.73	ng	0.00
7) Phenol-d6	6.37	99	299623	24.23	ng	-0.01
23) Nitrobenzene-d5	7.31	82	175951	18.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	37308	19.98	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	312296	21.33	ng	0.00
78) Terphenyl-d14	12.85	244	200167	15.49	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.50	163	38231	2.431	ng	Qvalue # 98
51) Acenaphthene	9.82	154	54254	3.779	ng	98
54) Dibenzofuran	9.99	168	42364m	2.202	ng	
57) Fluorene	10.33	166	91936	6.180	ng	99
70) Phenanthrene	11.30	178	888597	50.573	ng	100
71) Anthracene	11.34	178	319314	17.918	ng	100
72) Carbazole	11.50	167	48327	2.857	ng	# 87
74) Fluoranthene	12.49	202	1417371	77.285	ng	98
77) Pyrene	12.72	202	1300086	58.991	ng	99
80) Benzo(a)anthracene	13.90	228	728025	45.080	ng	98
82) Chrysene	13.93	228	595192	37.048	ng	96
85) Indeno(1,2,3-cd)pyrene	16.72	276	238651	20.194	ng	# 88
87) Benzo(b)fluoranthene	14.93	252	773958m	58.444	ng	
88) Benzo(k)fluoranthene	14.95	252	191020m	15.353	ng	
89) Benzo(a)pyrene	15.27	252	494685	42.196	ng	97
90) Dibenzo(a,h)anthracene	16.72	278	62338m	6.532	ng	
91) Benzo(a,h,i)perylene	17.13	276	221908	22.283	ng	94

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

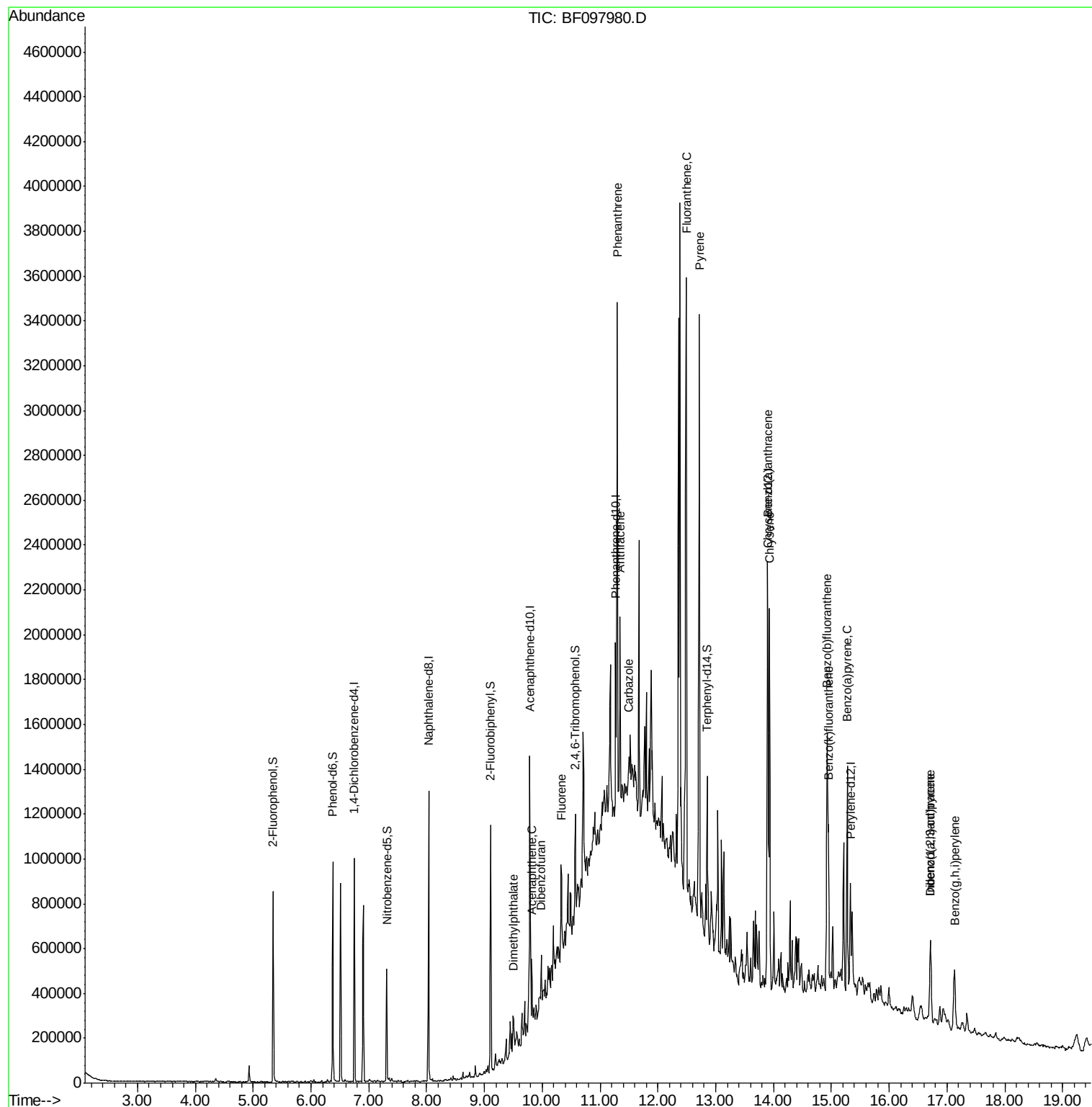
Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
Data File : BF097980.D
Acq On : 23 Aug 2017 3:42
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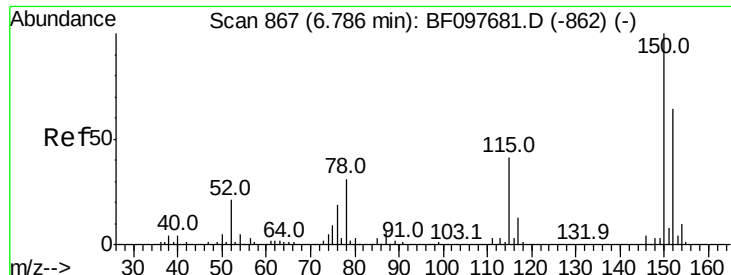
Instrument :
BNA_F
ClientSampled :
TR-04-082117-A

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#1

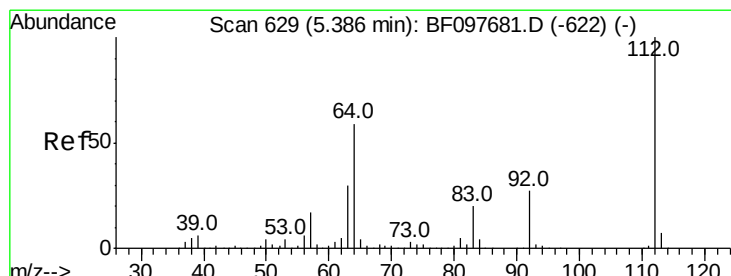
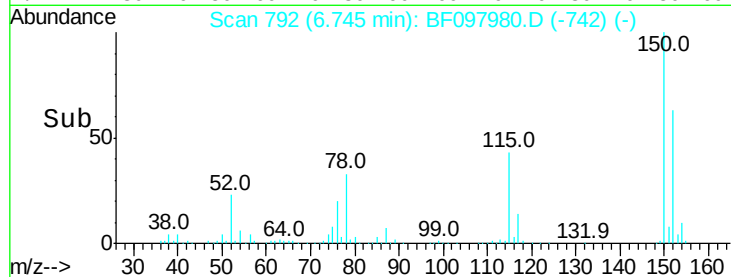
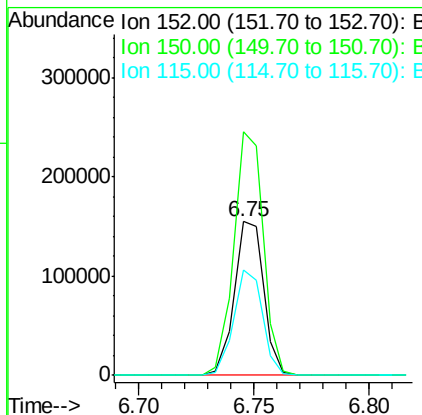
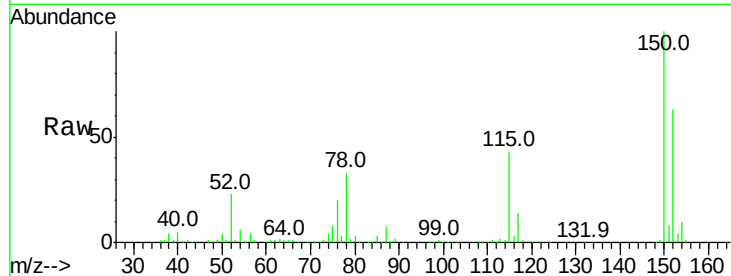
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	68.5	52.2	78.2

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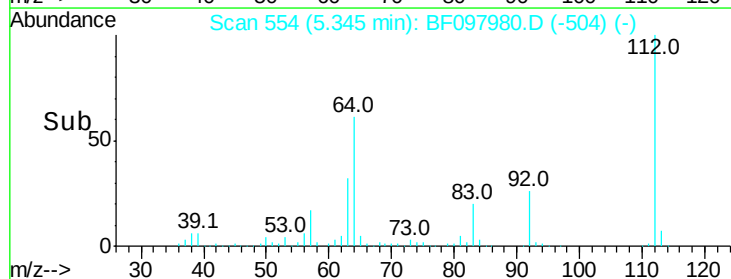
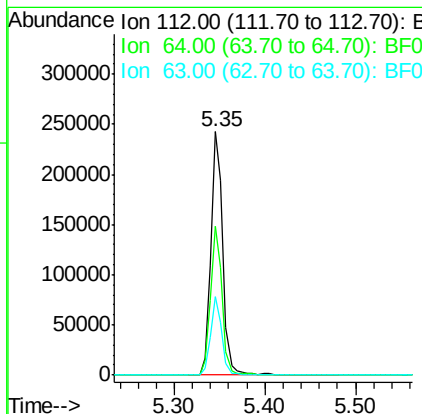
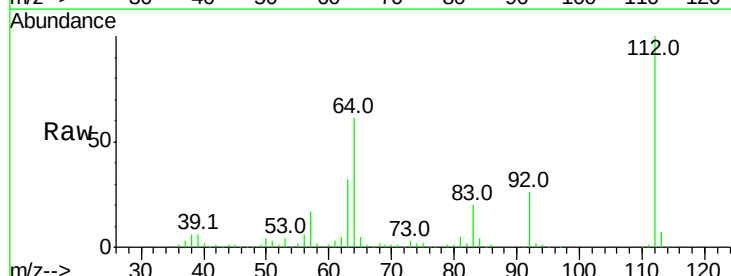
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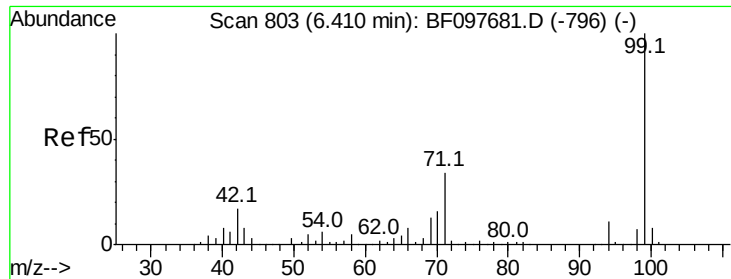


#5

2-Fluorophenol
 Concen: 24.732 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	46.0	69.0
63	32.2	23.4	35.0





#7

Phenol-d6

Concen: 24.226 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Instrument :

BNA_F

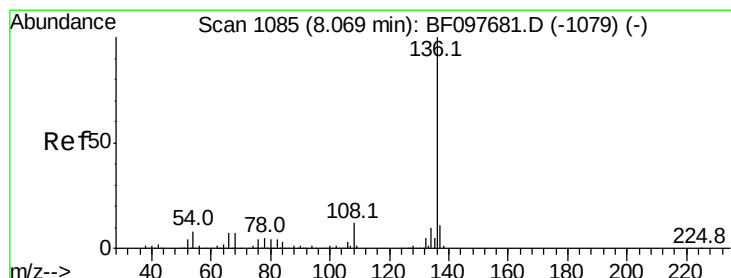
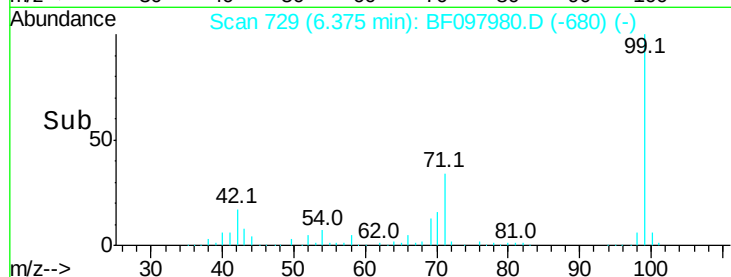
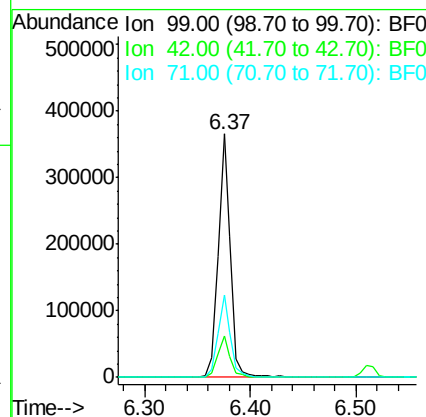
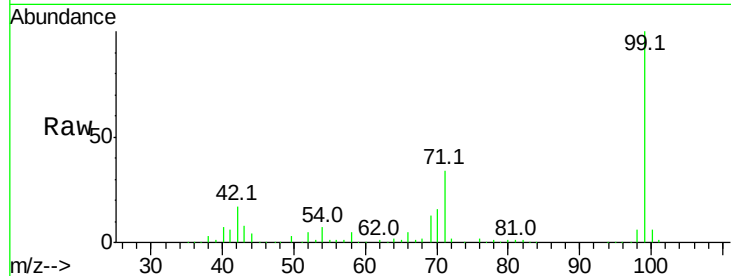
ClientSampleId :

TR-04-082117-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		299623		
42	16.9	13.5	20.3		
71	33.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

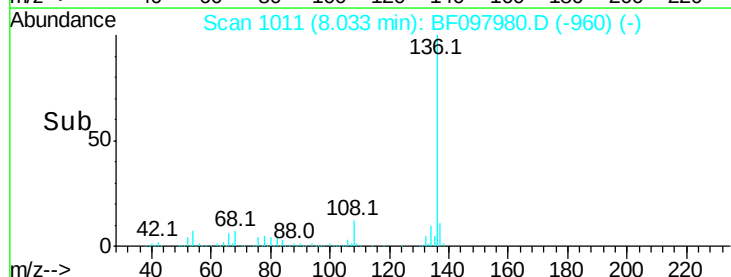
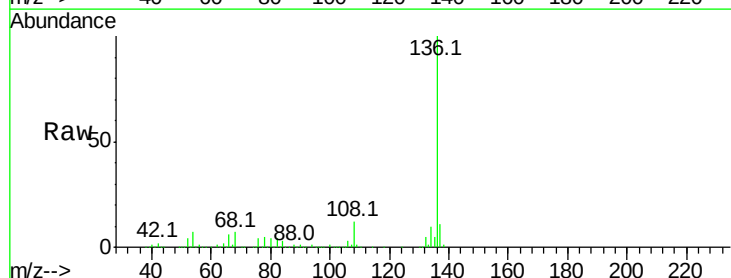
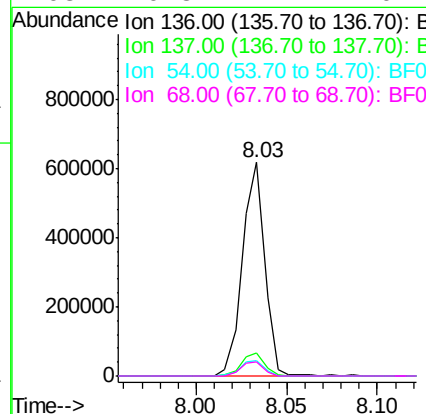
RT: 8.03 min Scan# 1011

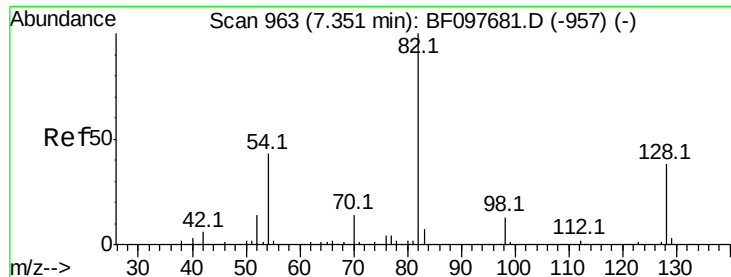
Delta R.T. -0.00 min

Lab File: BF097980.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		529607		
137	10.8	8.5	12.7		
54	7.2	4.9	7.3		
68	6.8	4.1	6.1#		





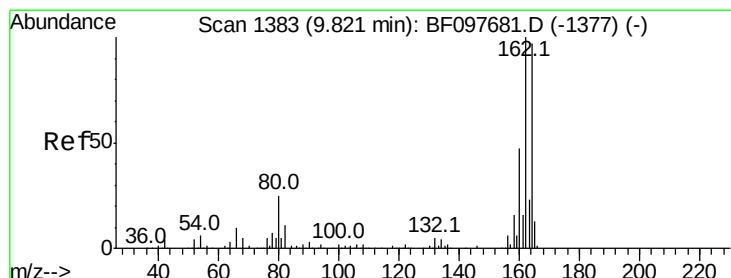
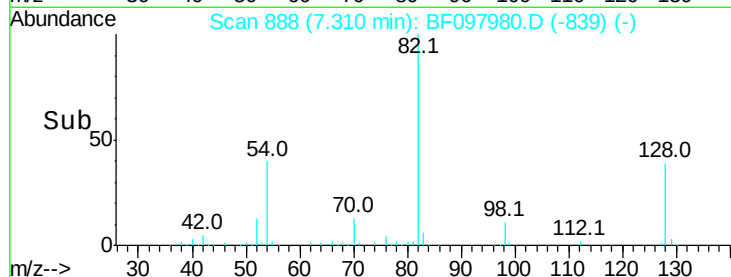
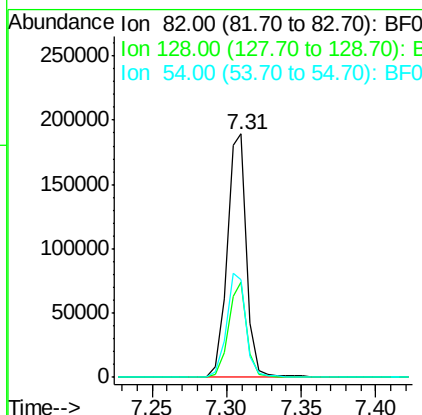
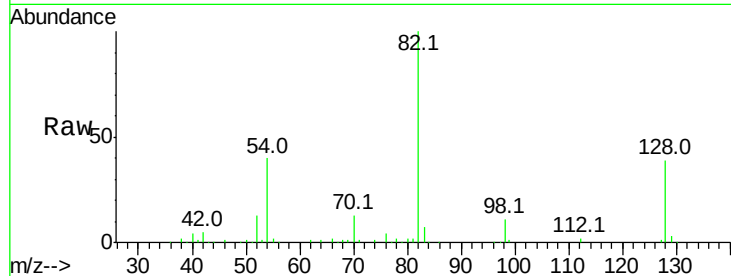
#23
 Nitrobenzene-d5
 Concen: 18.048 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.9	34.0	51.0
54	40.1	42.2	63.2

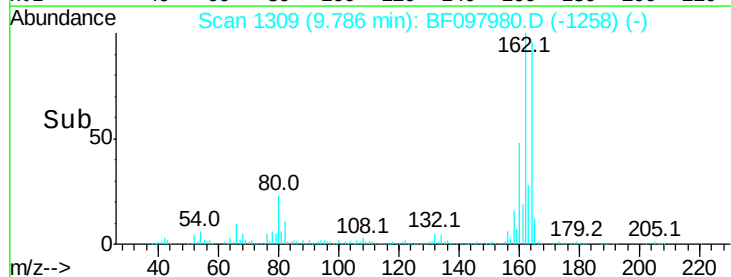
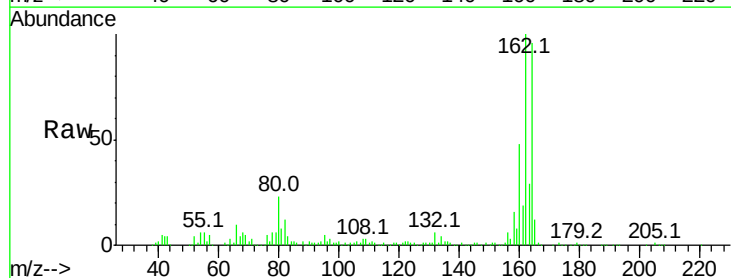
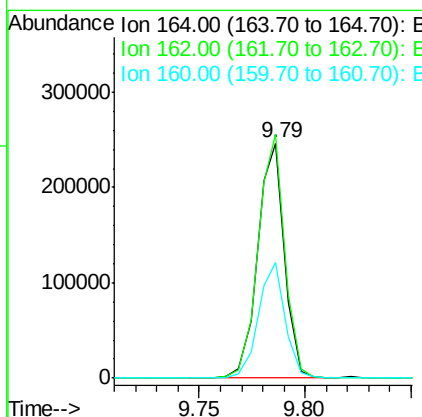
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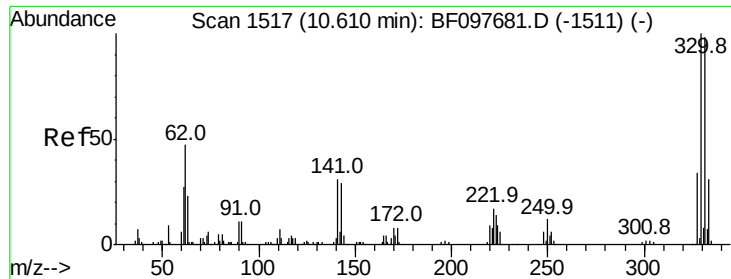
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	49.5	36.2	54.2





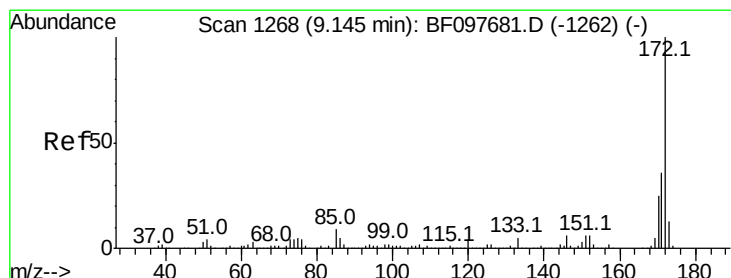
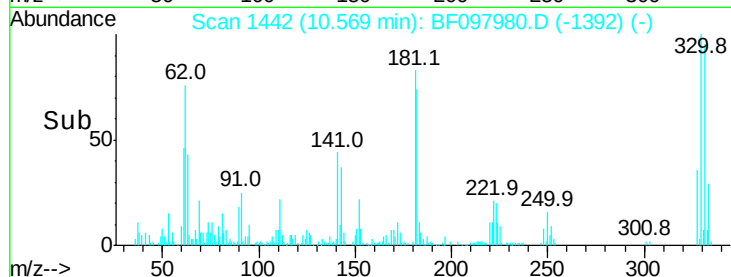
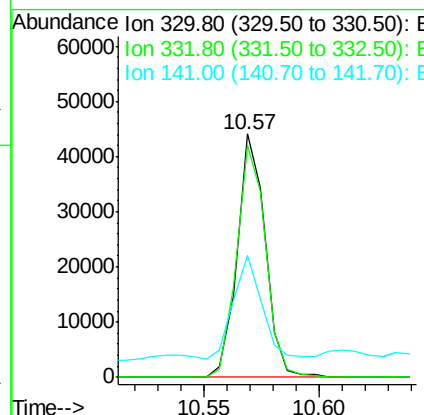
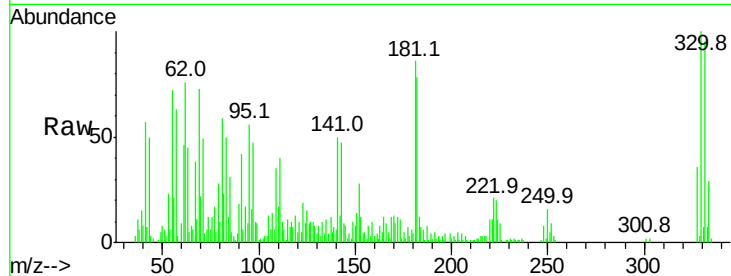
#41
 2,4,6-Tribromophenol
 Concen: 19.985 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.5	76.6	115.0	
141	42.8	31.4	47.2	

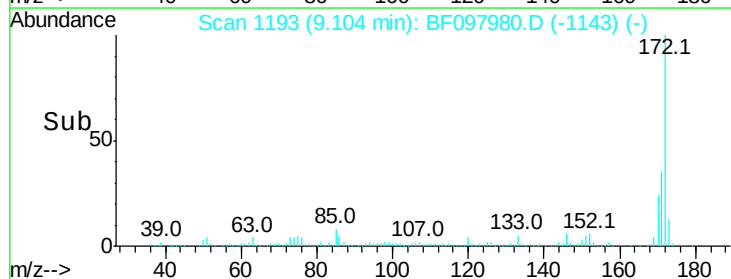
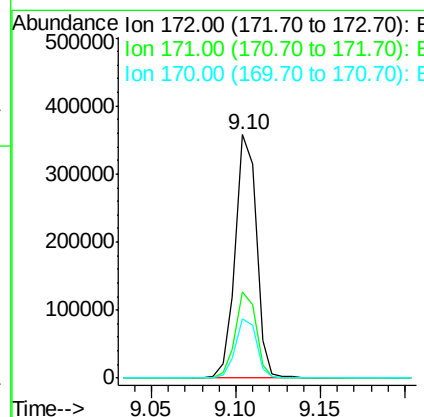
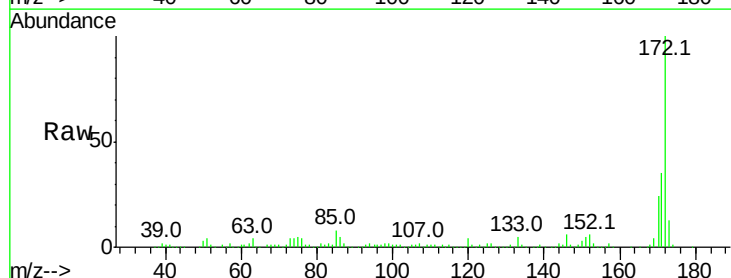
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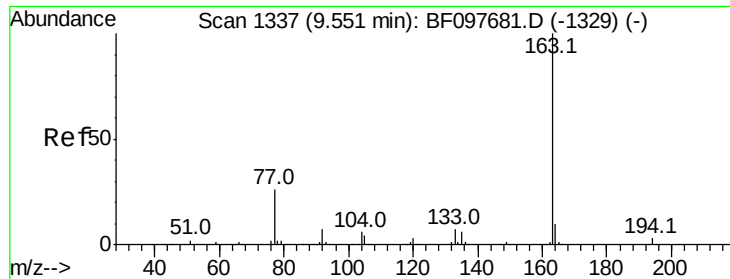
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#44
 2-Fluorobiphenyl
 Concen: 21.325 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.6	44.4	
170	24.3	19.8	29.8	





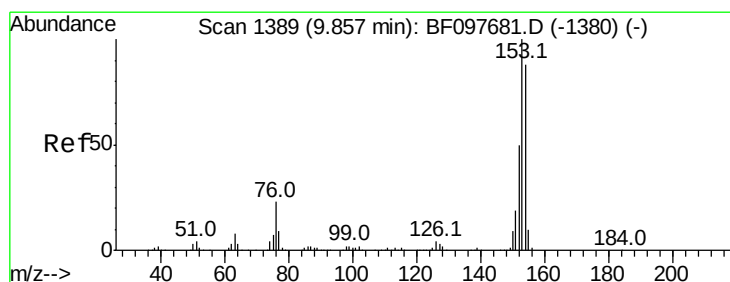
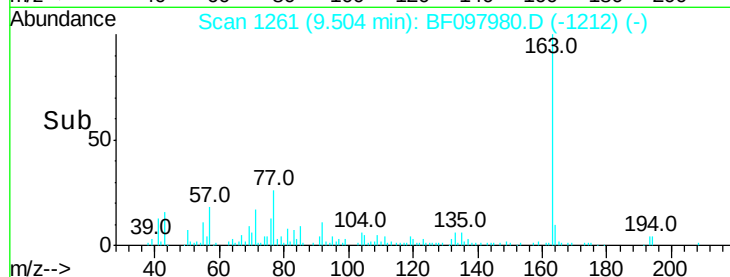
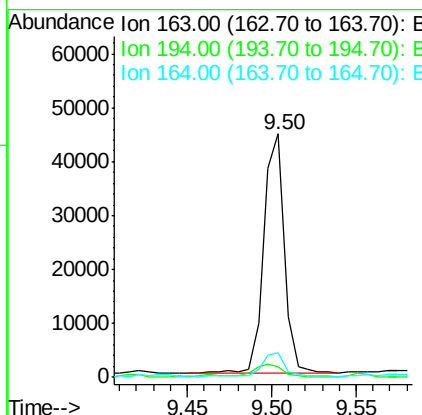
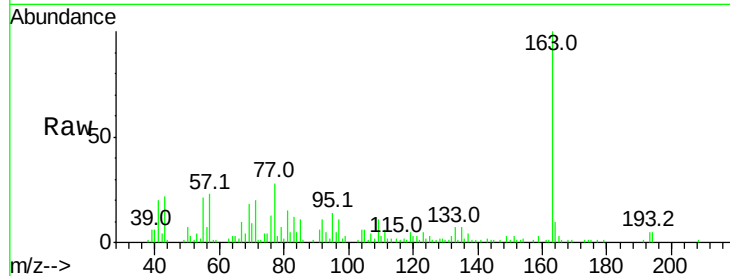
#49
Dimethylphthalate
Concen: 2.431 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.5	2.6	4.0#	
164	10.2	8.4	12.6	

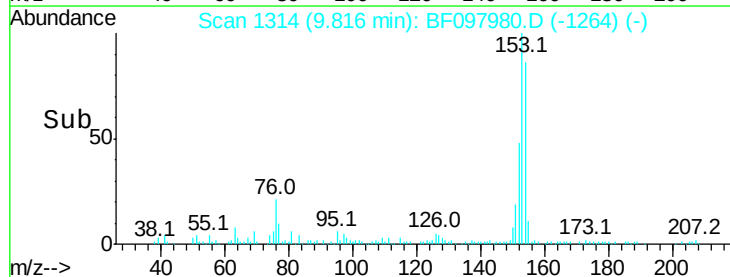
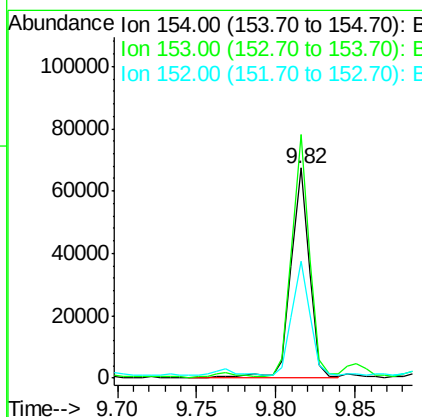
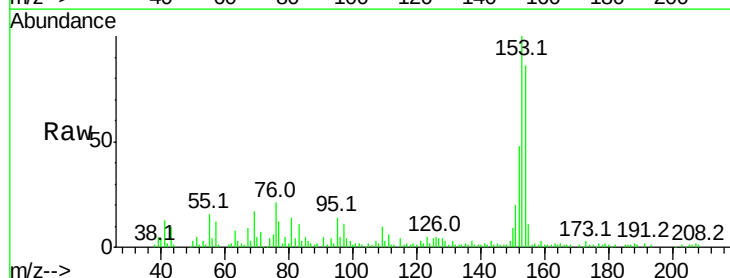
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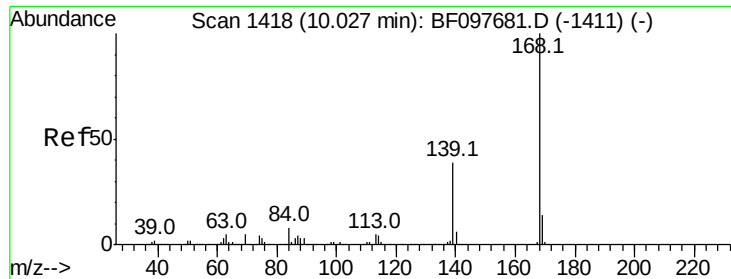
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#51
Acenaphthene
Concen: 3.779 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.0	90.5	135.7	
152	55.5	43.6	65.4	





#54

Dibenzofuran

Concen: 2.202 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Instrument :

BNA_F

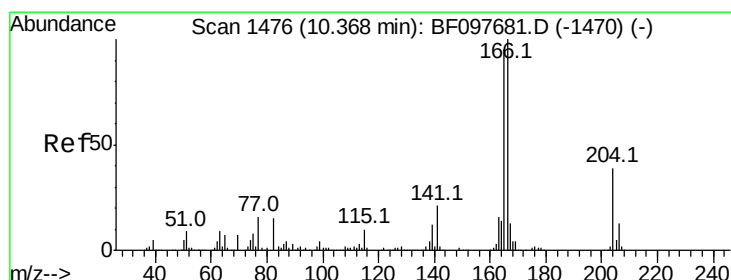
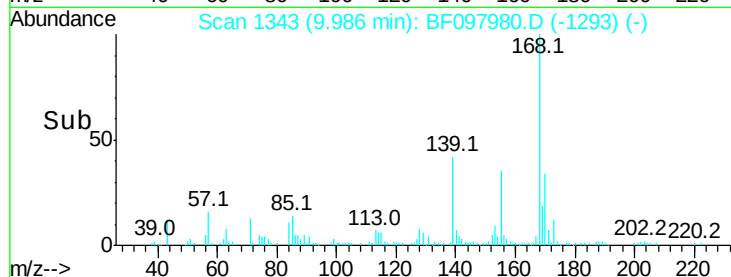
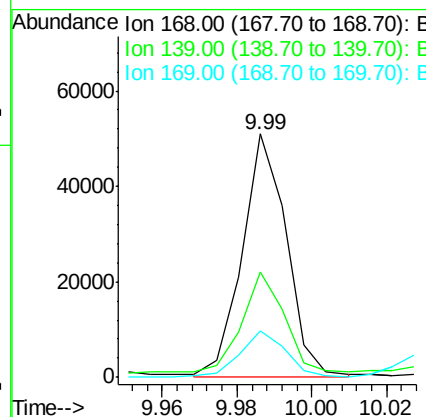
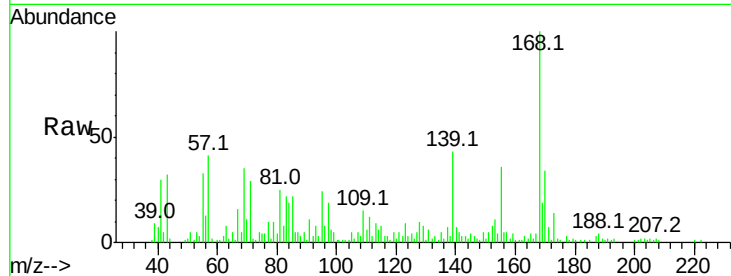
ClientSampleId :

TR-04-082117-A

Tot Ion:	168	Resp:	42364
Ion Ratio	Lower	Upper	
168	100		
139	43.5	30.6	45.8
169	19.2	10.8	16.2

Manual Integrations
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#57

Fluorene

Concen: 6.180 ng

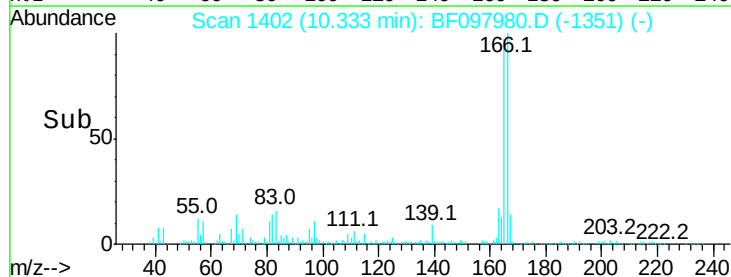
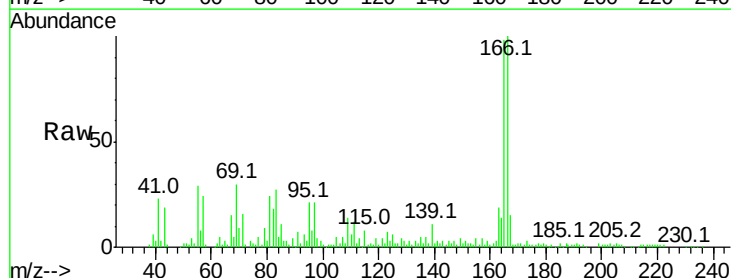
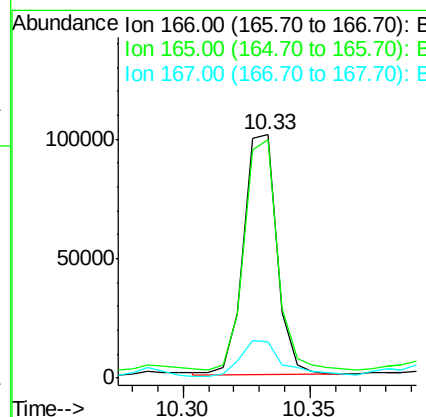
RT: 10.33 min Scan# 1402

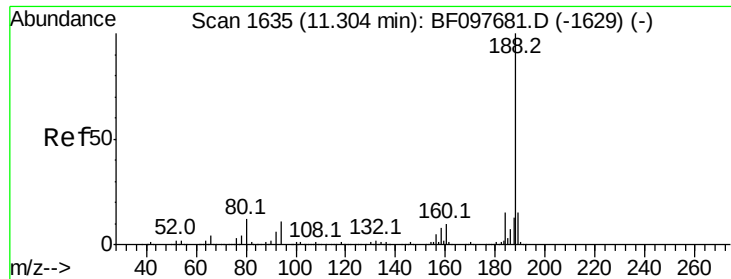
Delta R.T. -0.00 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Tgt Ion:	166	Resp:	91936
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.8	118.2
167	14.8	10.6	16.0





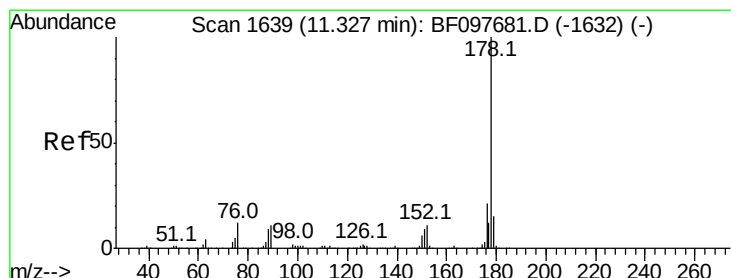
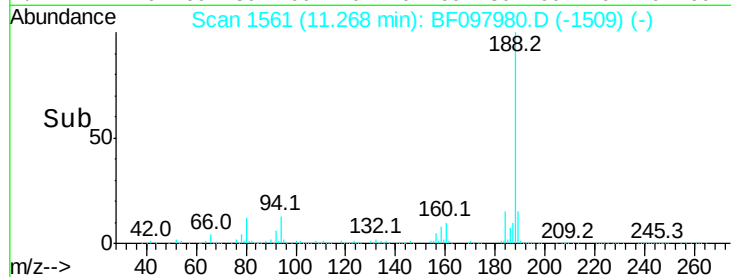
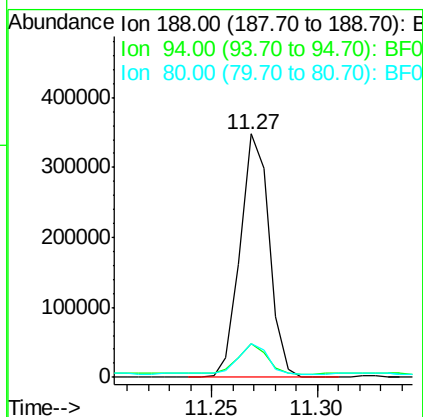
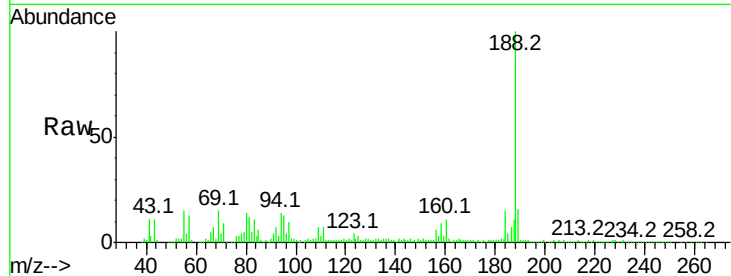
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	329733		
94	14.0		9.4	14.2
80	13.6		10.2	15.2

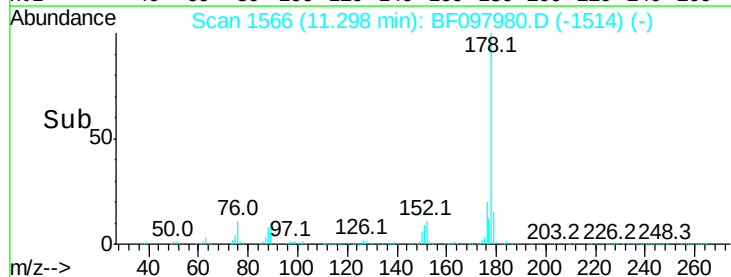
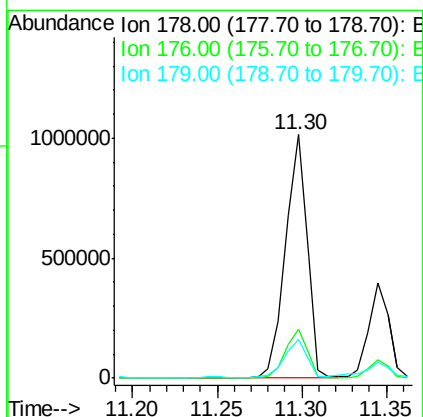
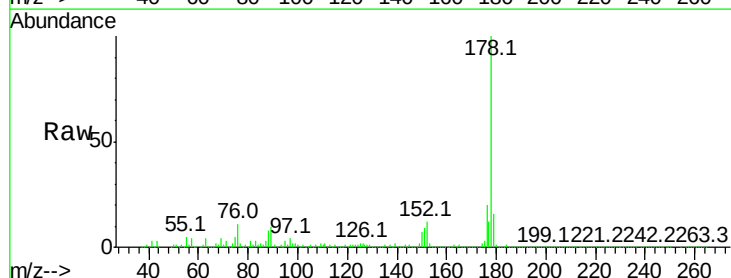
Manual Integrations
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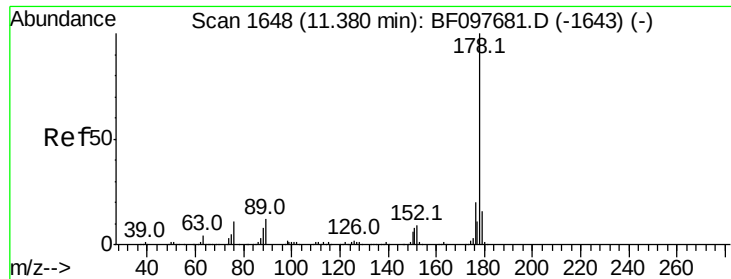
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#70
Phenanthrene
Concen: 50.573 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	888597		
176	20.0		16.2	24.4
179	16.0		12.6	19.0





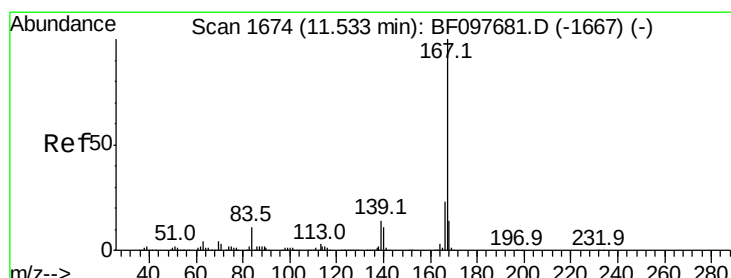
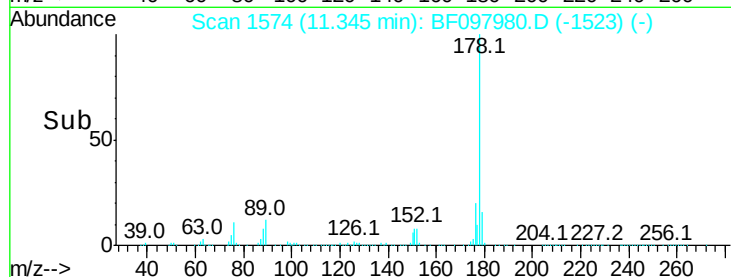
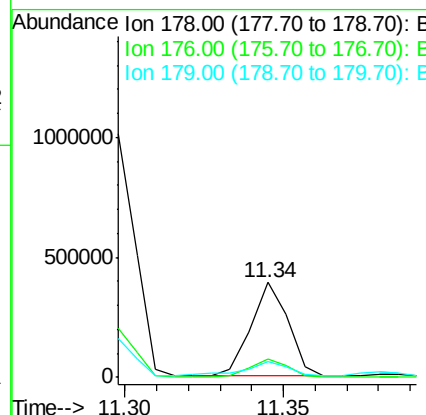
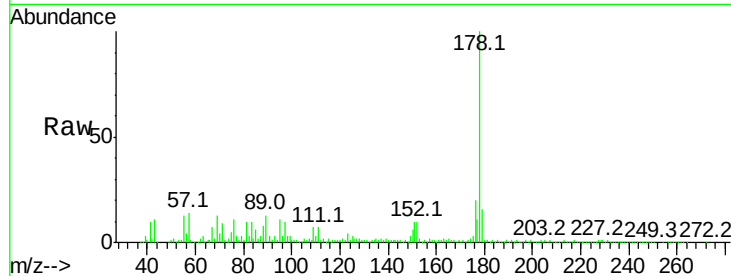
#71
 Anthracene
 Concen: 17.918 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-082117-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.3	12.7	19.1

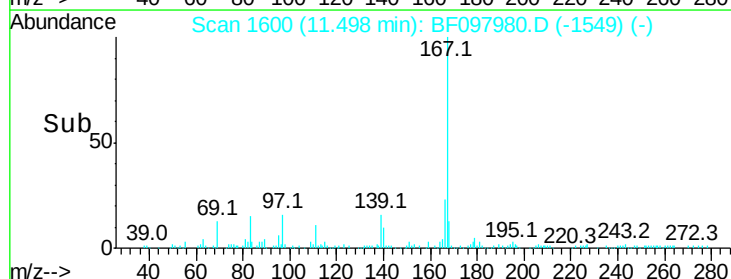
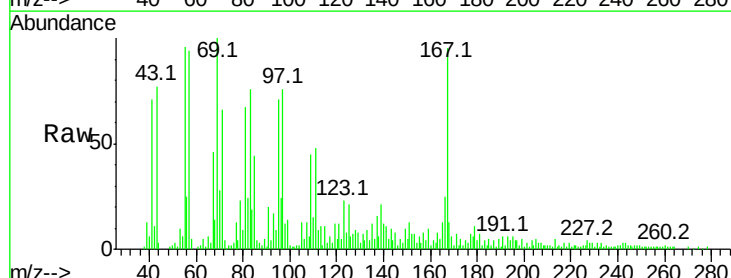
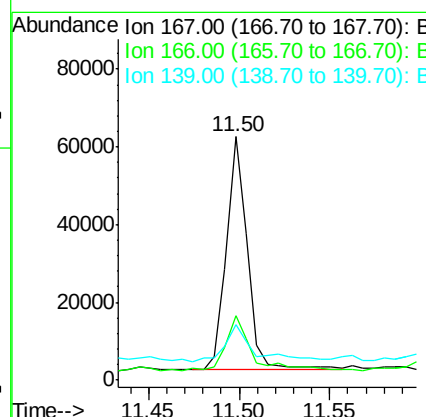
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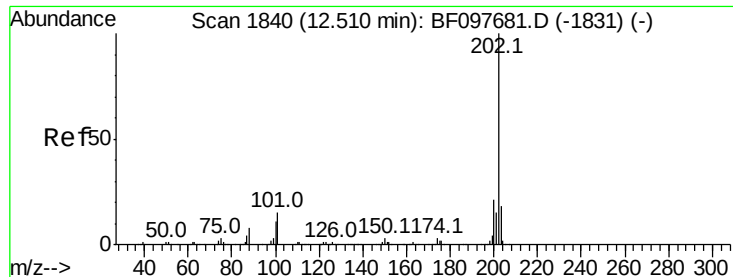
Sohil
 8/23/2017 3:04:04 PM



#72
 Carbazole
 Concen: 2.857 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF097980.D
 Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.6	18.1	27.1
139	22.6	11.7	17.5#





#74

Fluoranthene

Concen: 77.285 ng

RT: 12.49 min Scan# 1769

Delta R.T. 0.02 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Instrument :

BNA_F

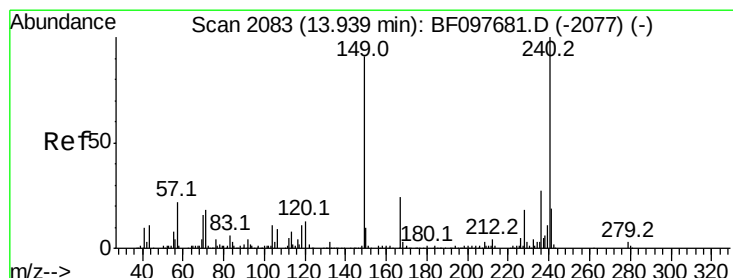
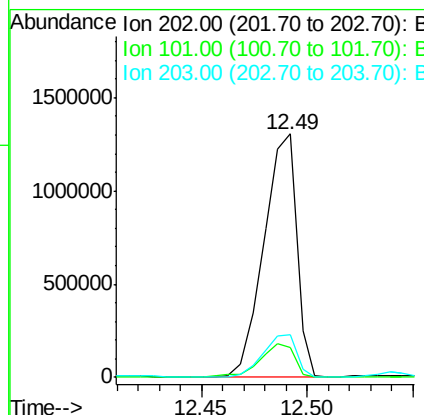
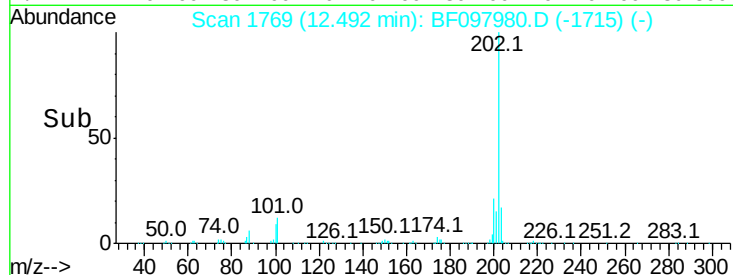
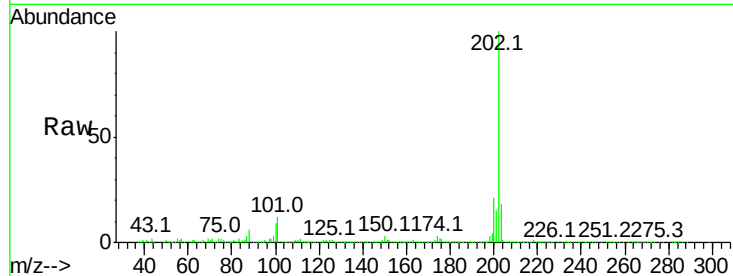
ClientSampleId :

TR-04-082117-A

Tot Ion:	202	Resp:	1417371
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	33.2
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

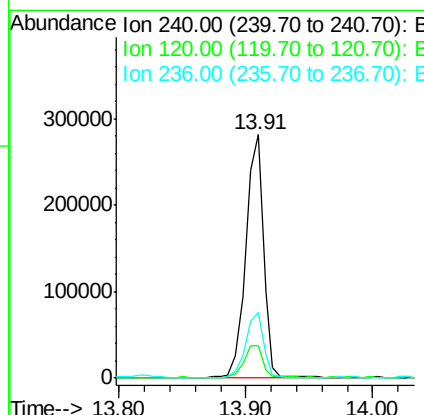
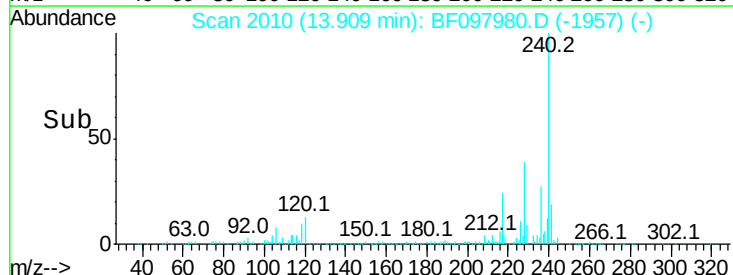
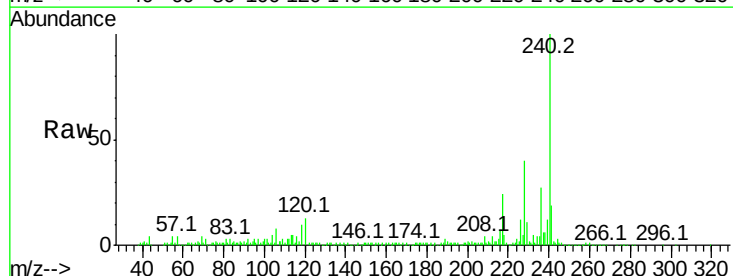
RT: 13.91 min Scan# 2010

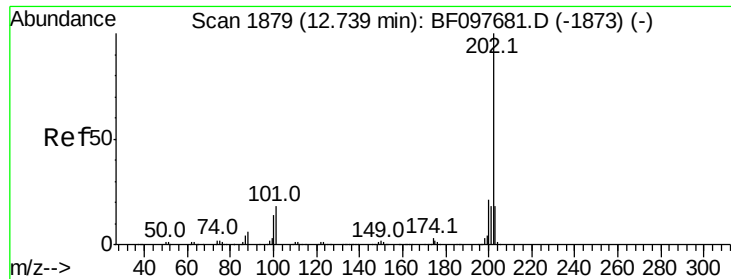
Delta R.T. 0.01 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Tgt Ion:	240	Resp:	269458
Ion Ratio	Lower	Upper	
240	100		
120	13.1	5.8	8.8#
236	27.2	20.5	30.7





#77

Pvrene

Concen: 58.991 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

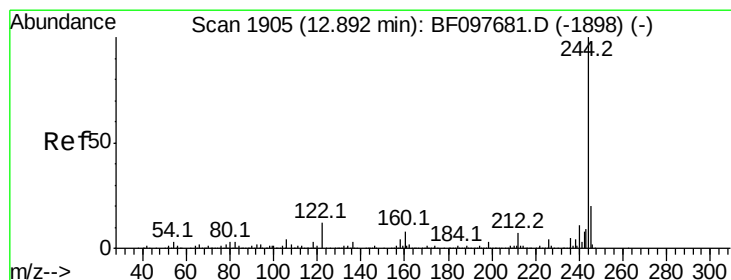
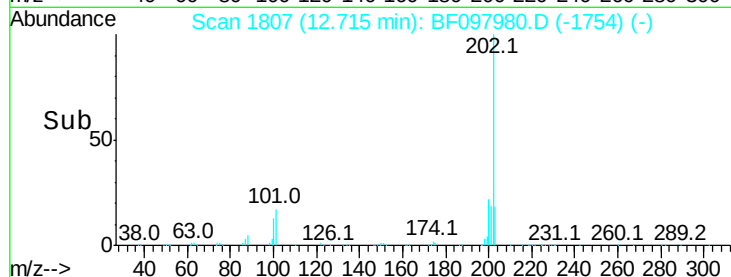
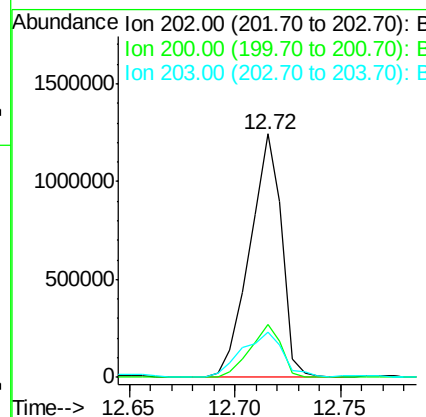
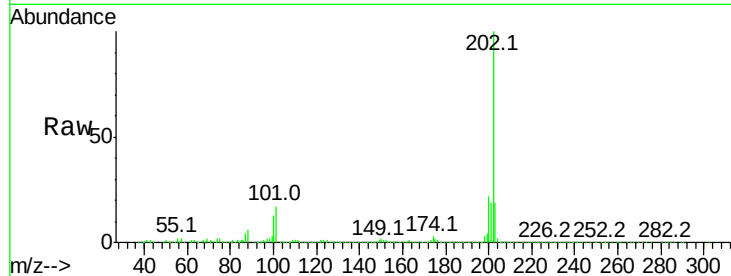
Instrument :
BNA_F

ClientSampleId :
TR-04-082117-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.5	14.4	21.6

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#78

Terphenyl-d14

Concen: 15.491 ng

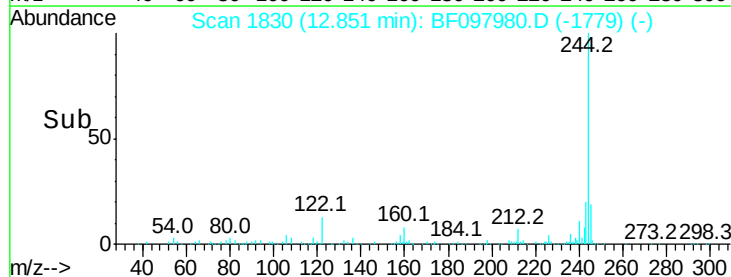
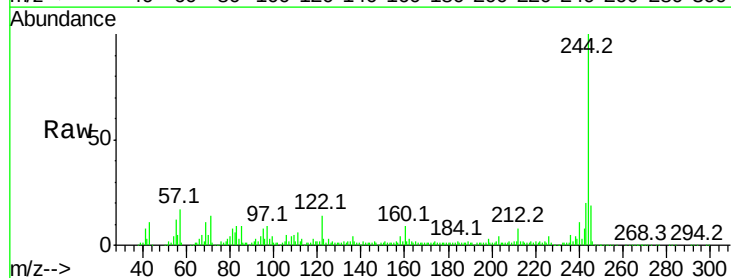
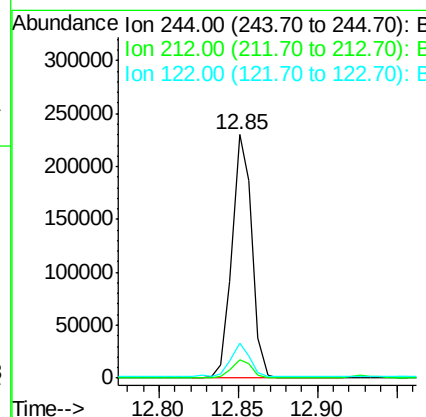
RT: 12.85 min Scan# 1830

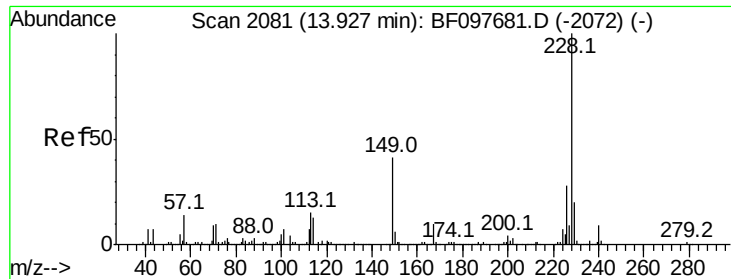
Delta R.T. -0.00 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	14.3	10.3	15.5





#80

Benzo(a)anthracene

Concen: 45.080 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Instrument :

BNA_F

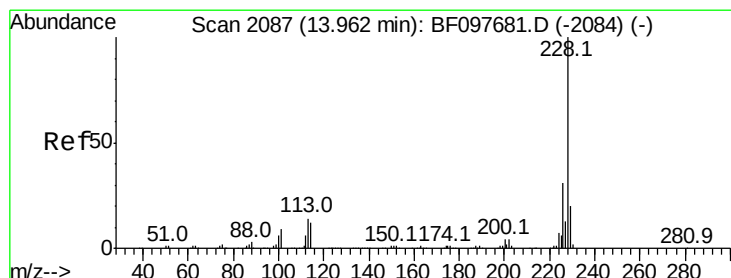
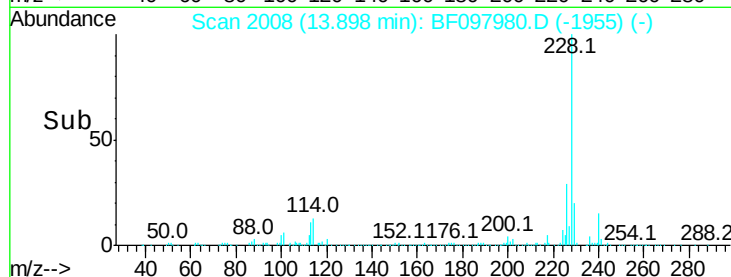
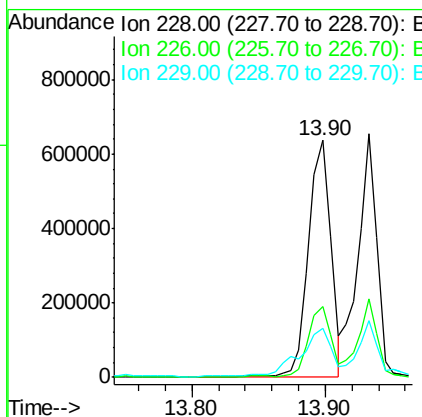
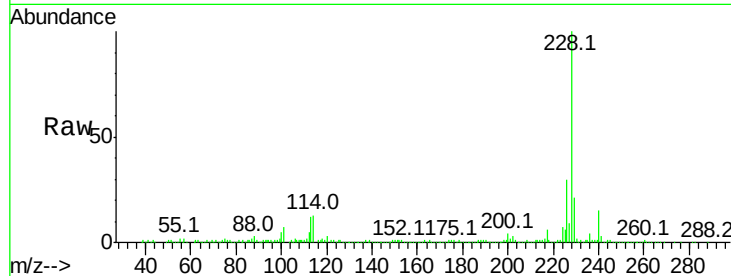
ClientSampleId :

TR-04-082117-A

Tot Ion:	228	Resp:	728025
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.6	33.8
229	20.8	16.3	24.5

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#82

Chrysene

Concen: 37.048 ng

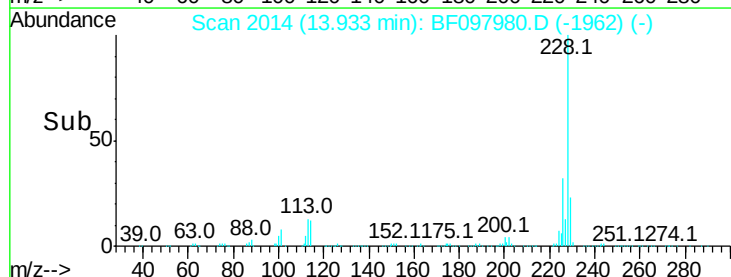
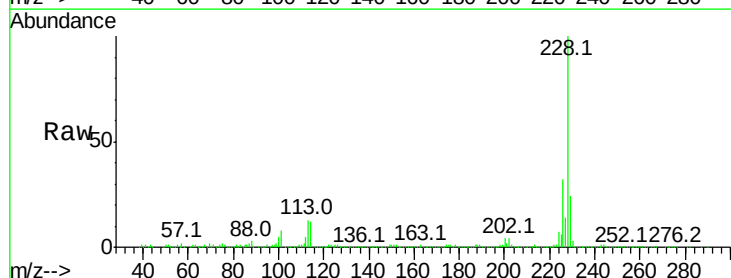
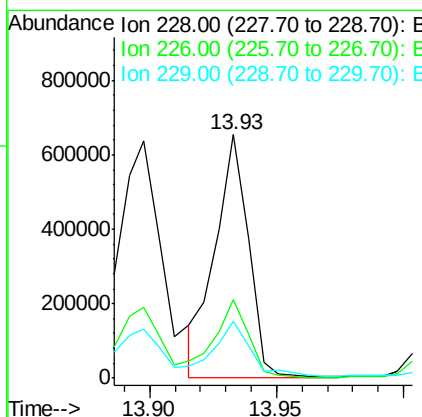
RT: 13.93 min Scan# 2014

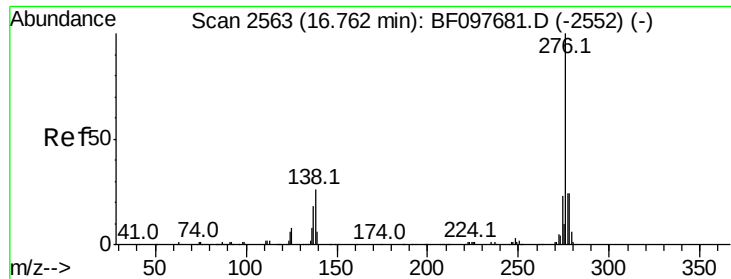
Delta R.T. 0.01 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Tgt Ion:	228	Resp:	595192
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.9	37.3
229	23.5	15.8	23.6





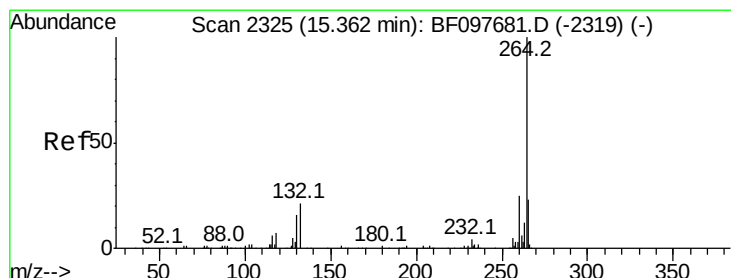
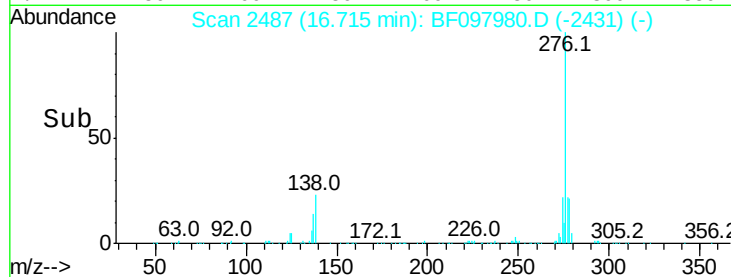
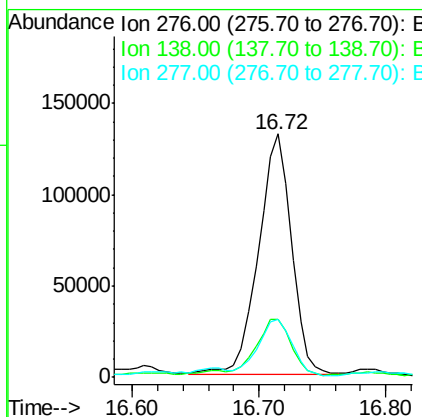
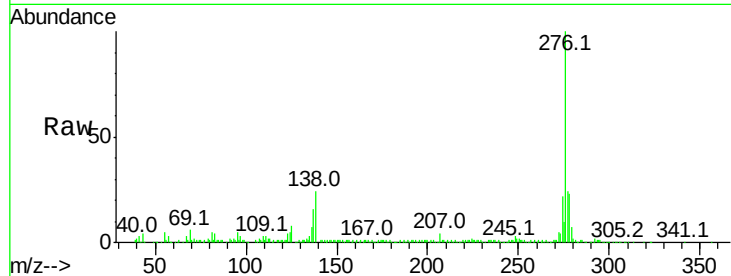
#85
Indeno(1,2,3-cd)pyrene
Concen: 20.194 ng
RT: 16.72 min Scan# 2487
Delta R.T. 0.03 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	27.8	41.6#
277	24.2	20.2	30.4

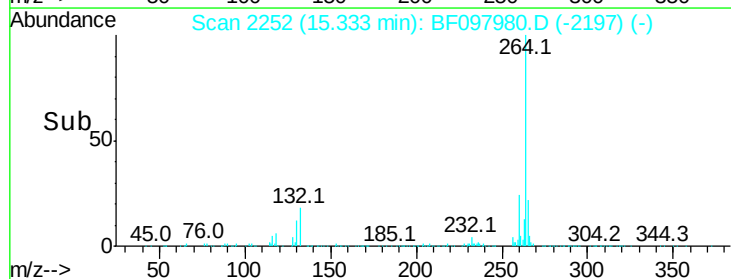
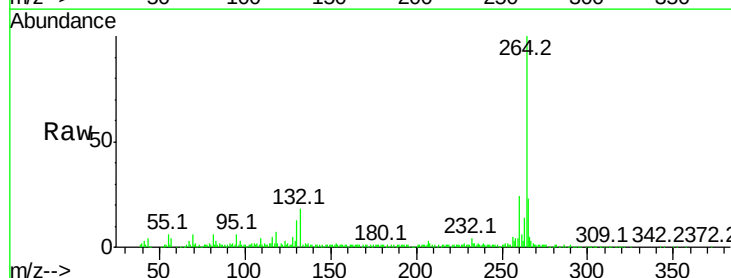
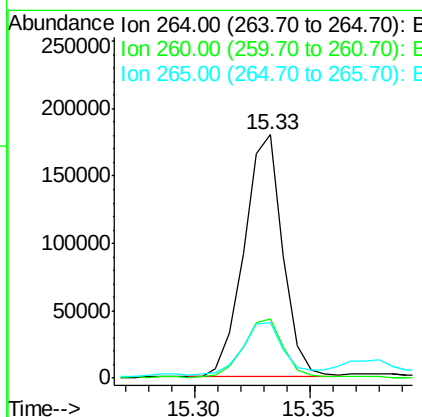
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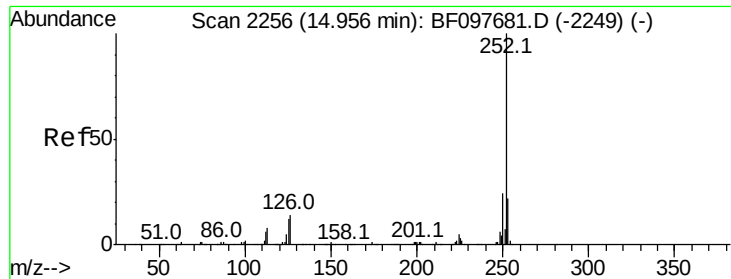
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.02 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.8	17.2	25.8





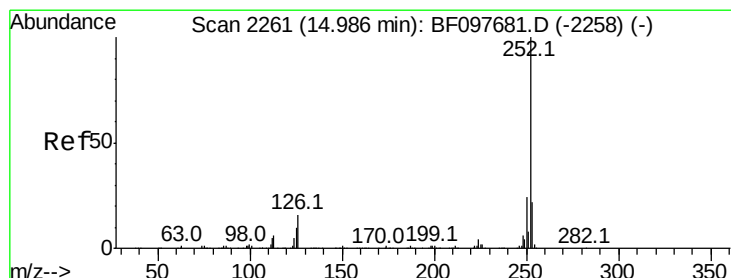
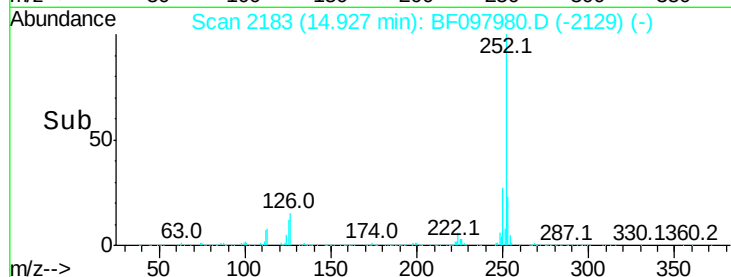
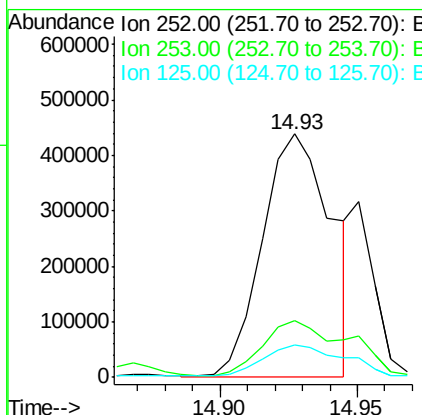
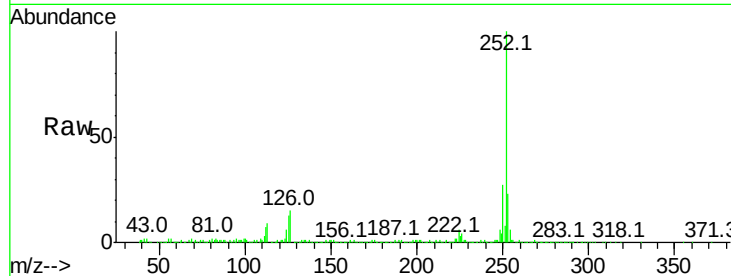
#87
Benzo(b)fluoranthene
Concen: 58.444 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.02 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	773958		
253	23.2		18.1	27.1
125	13.1		9.8	14.8

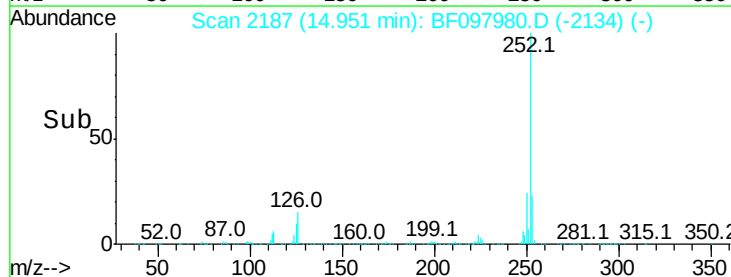
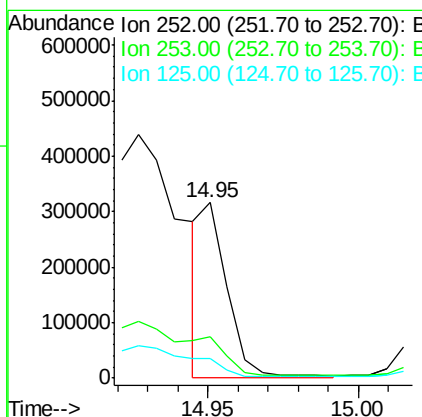
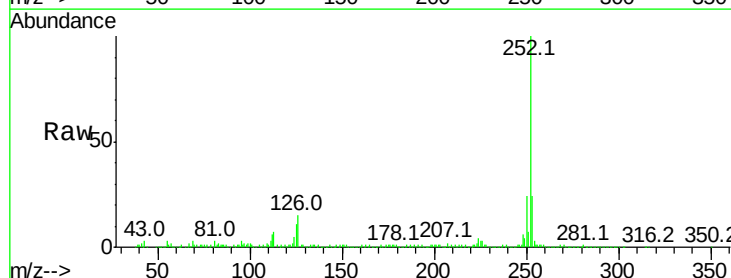
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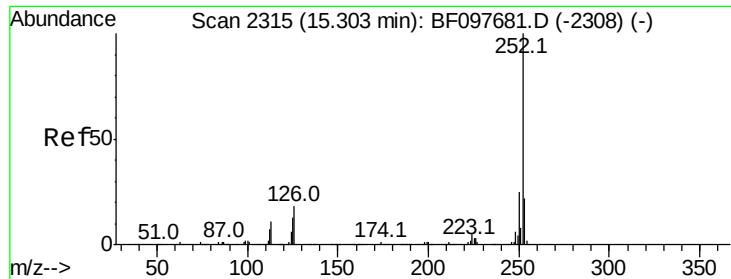
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#88
Benzo(k)fluoranthene
Concen: 15.353 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	191020		
253	23.9		18.4	27.6
125	10.9		13.1	19.7#





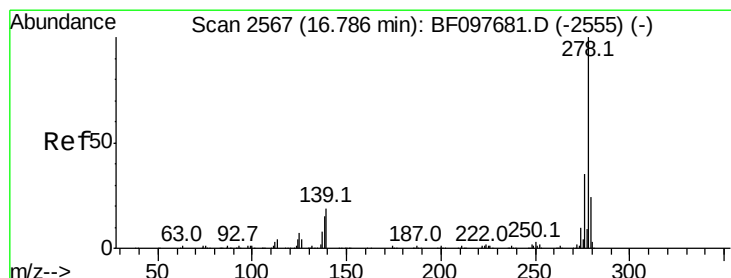
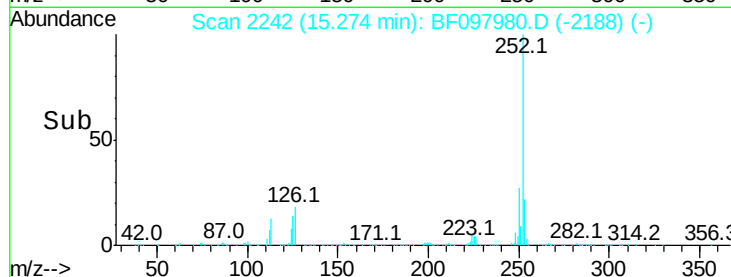
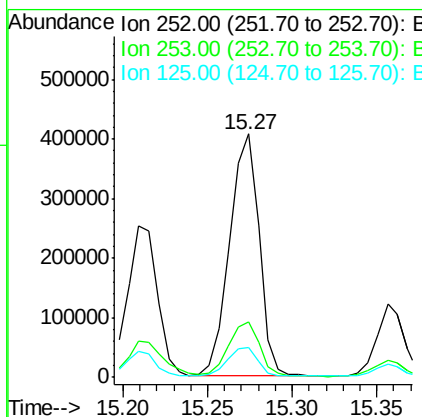
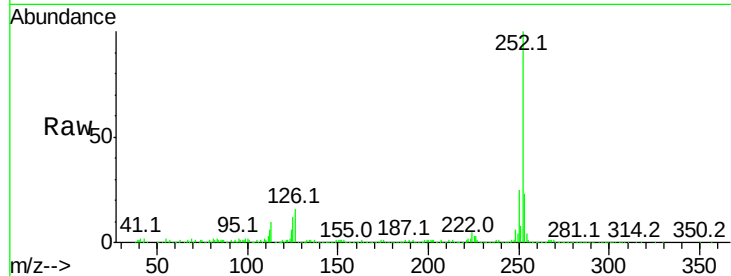
#89
Benzo(a)pyrene
Concen: 42.196 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Instrument :
BNA_F
ClientSampleId :
TR-04-082117-A

Tot Ion	Ratio	Resp	Lower	Upper
252	100	494685		
253	22.9	17.5	26.3	
125	12.2	11.0	16.4	

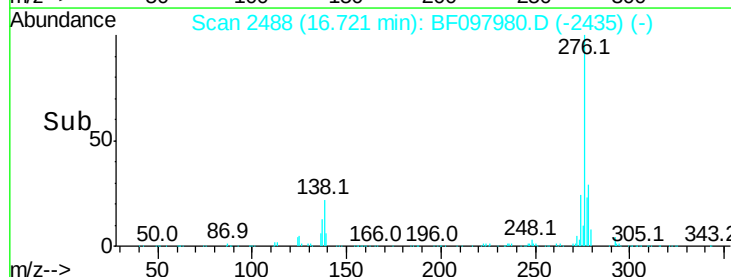
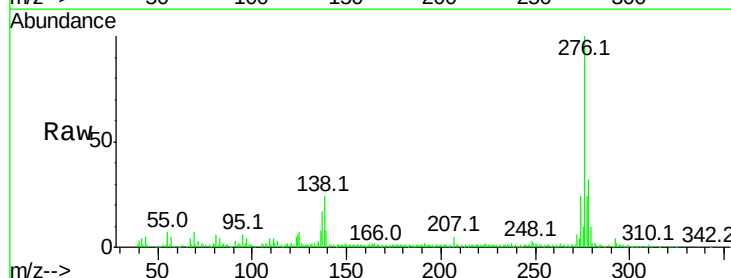
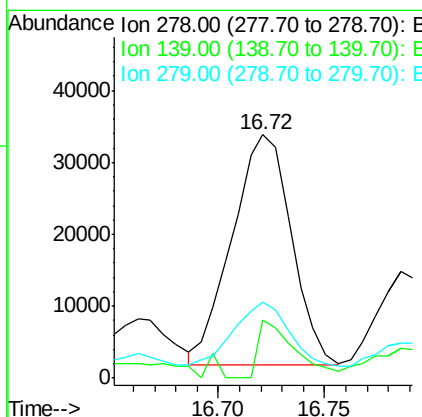
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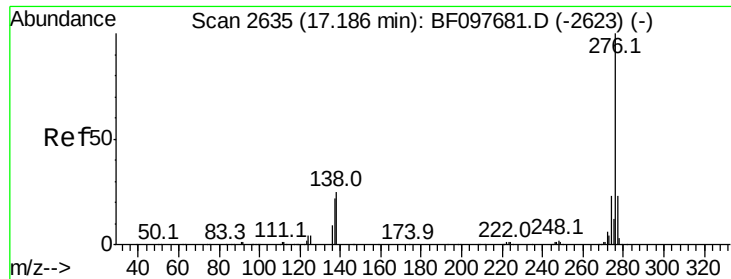
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 6.532 ng m
RT: 16.72 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097980.D
Acq: 23 Aug 2017 3:42

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	62338		
139	23.9	16.6	24.8	
279	31.1	19.3	28.9#	





#91

Benzo(a,h,i)perylene

Concen: 22.283 ng

RT: 17.13 min Scan# 2558

Delta R.T. 0.02 min

Lab File: BF097980.D

Acq: 23 Aug 2017 3:42

Instrument :

BNA_F

ClientSampleId :

TR-04-082117-A

Tot Ion:	276	Resp:	221908
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	26.1	25.4	38.0

Manual Integrations
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