

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
 Data File : BF097998.D
 Acq On : 23 Aug 2017 15:16
 Operator : SJ/JU
 Sample : I4908-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 8/24/2017 4:59:55 PM

Quant Time: Aug 23 18:11:36 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	6.74	152	141130	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	564340	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	236376	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	390405	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	296096	20.00	ng	-0.01
86) Perylene-d12	15.30	264	260996	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1075390	115.90	ng	0.00
7) Phenol-d6	6.38	99	1467847	116.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	903428	86.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	187967	91.65	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1238038	76.95	ng	0.00
78) Terphenyl-d14	12.84	244	800257	56.36	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	34598	2.347	ng	86
48) Acenaphthylene	9.63	152	53058	2.121	ng	99
49) Dimethylphthalate	9.49	163	173038	10.015	ng	98
70) Phenanthrene	11.27	178	112536	5.409	ng	98
71) Anthracene	11.33	178	42301	2.005	ng	98
74) Fluoranthene	12.46	202	272064	12.529	ng	99
77) Pyrene	12.69	202	259949	10.734	ng	99
80) Benzo(a)anthracene	13.87	228	164773m	9.285	ng	
82) Chrysene	13.91	228	153538	8.697	ng	96
83) Bis(2-ethylhexyl)phthalate	13.88	149	35321	3.433	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.67	276	105153m	8.097	ng	
87) Benzo(b)fluoranthene	14.90	252	235301m	14.303	ng	
88) Benzo(k)fluoranthene	14.92	252	84818m	5.488	ng	
89) Benzo(a)pyrene	15.24	252	166007	11.398	ng	97
90) Dibenzo(a,h)anthracene	16.69	278	24811	2.093	ng	# 89
91) Benzo(g,h,i)perylene	17.09	276	98343	7.949	ng	# 92

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

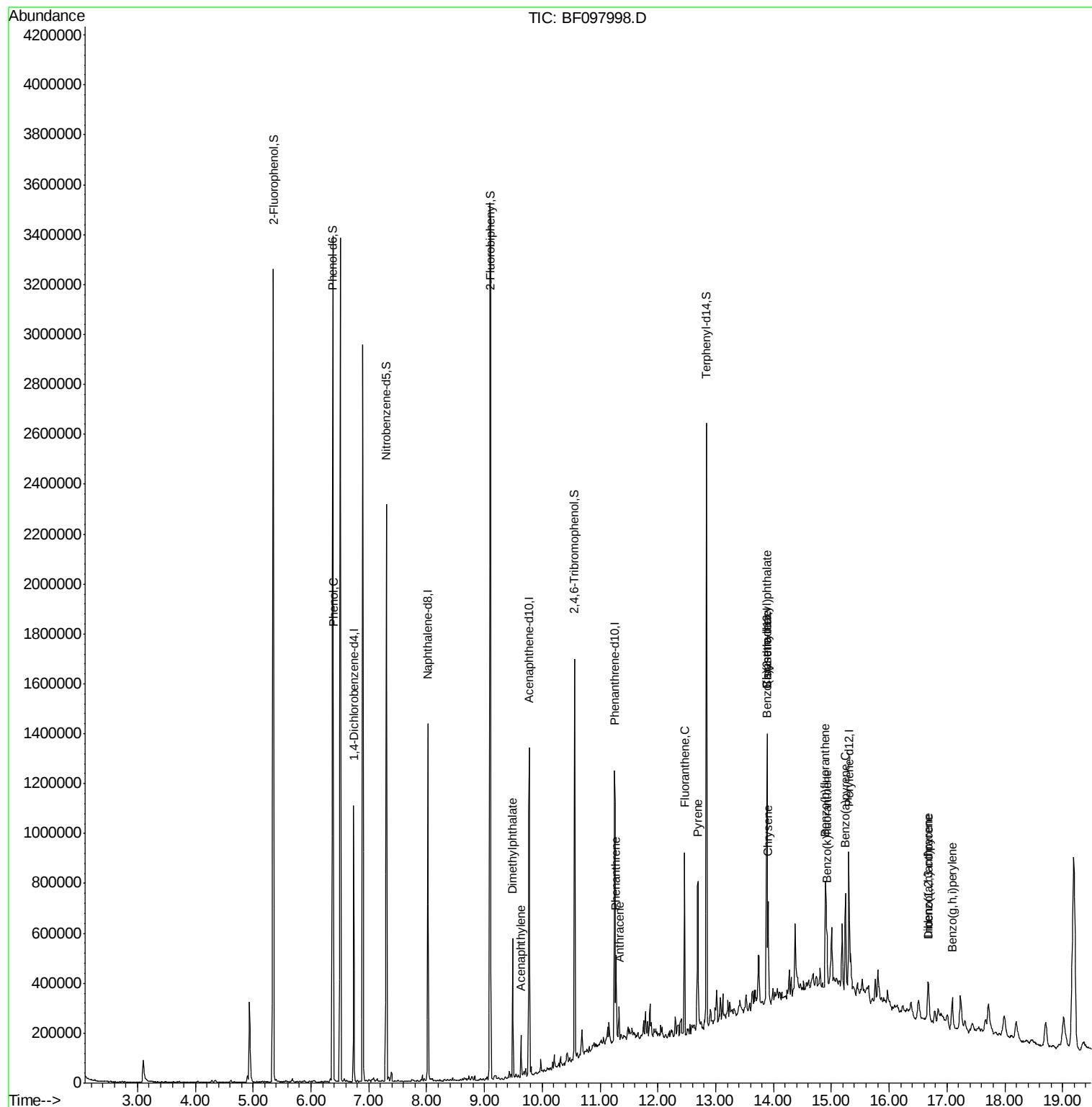
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082317\
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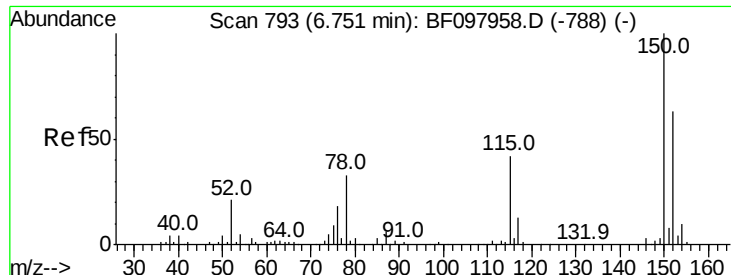
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

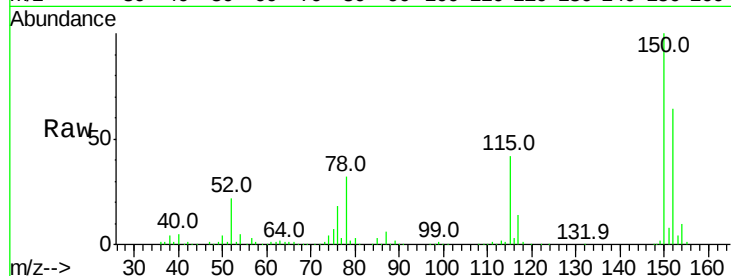
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

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

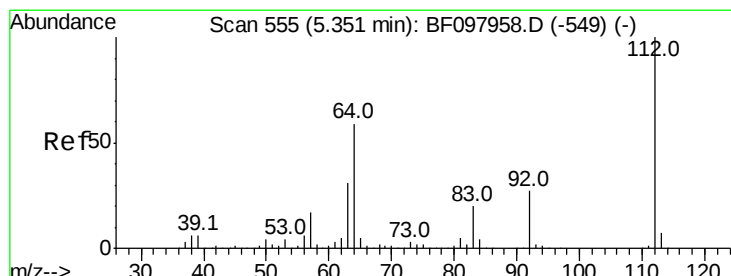
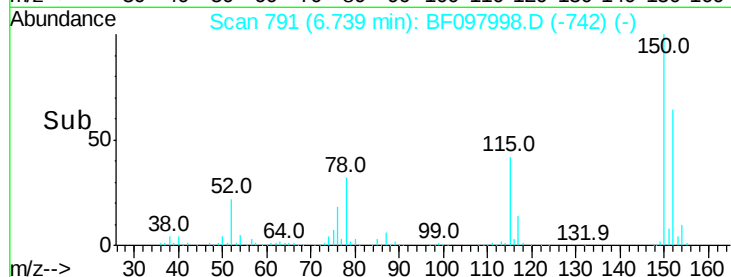
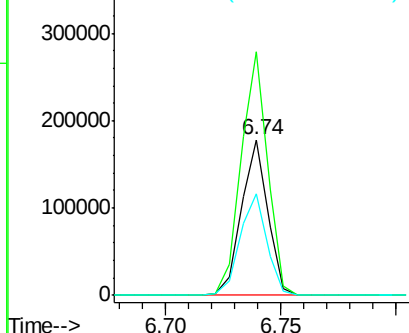
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.2	189.2
115	65.4	52.2	78.2

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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

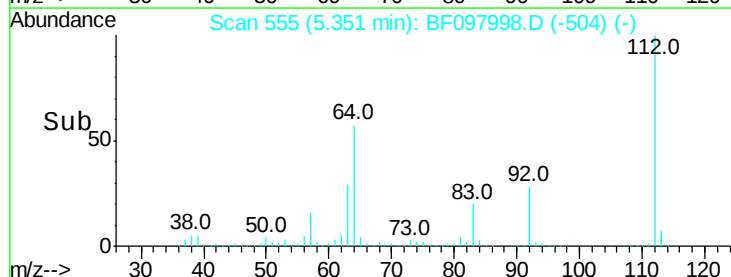
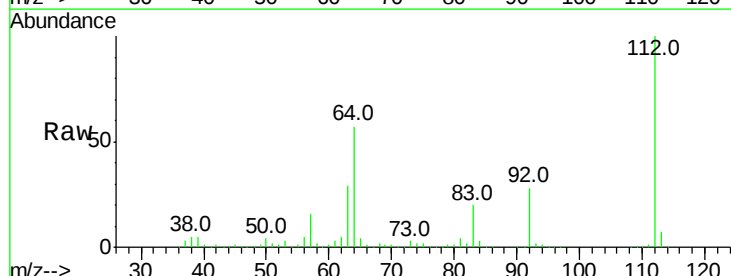
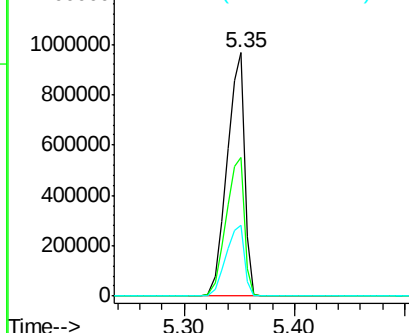


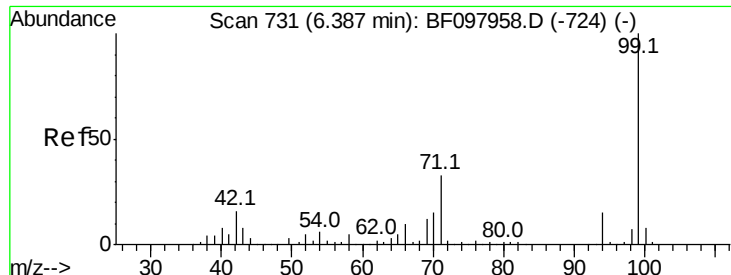
#5

2-Fluorophenol
Concen: 115.904 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	29.2	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: 116.435 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

ClientSampled :

TR-04-082117-B

Tot Ion: 99 Resp: 1467847

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

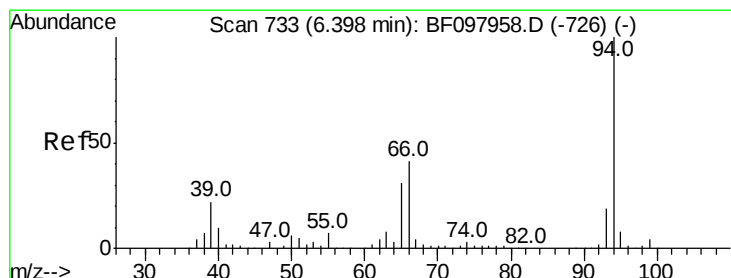
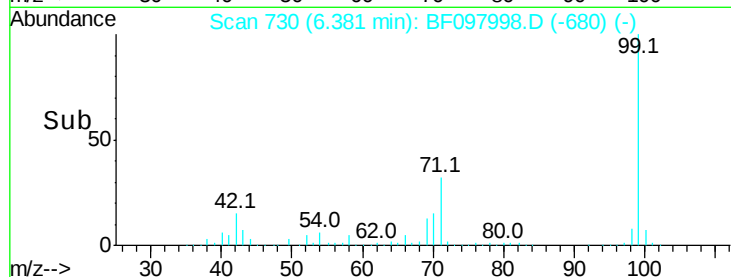
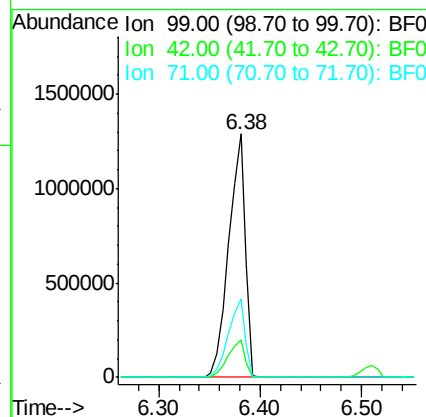
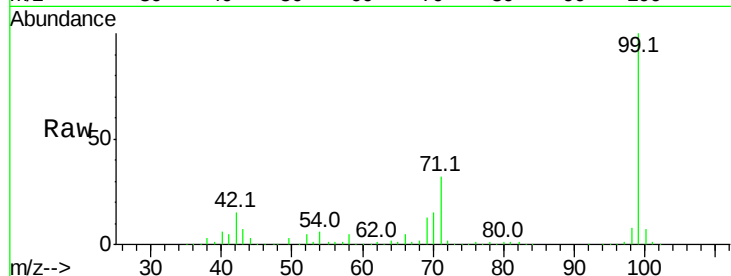
71 32.4 24.5 36.7

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#10

Phenol

Concen: 2.347 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

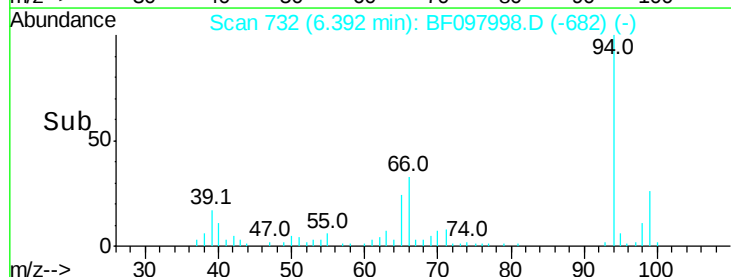
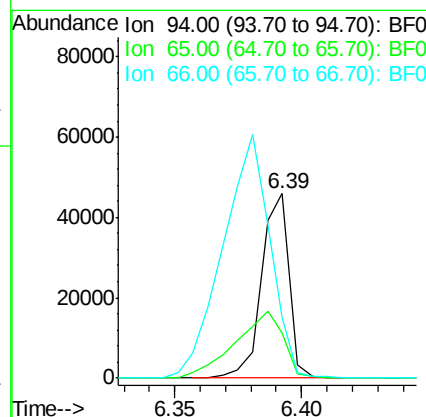
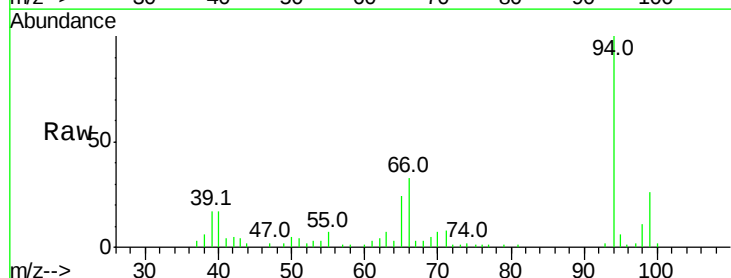
Tgt Ion: 94 Resp: 34598

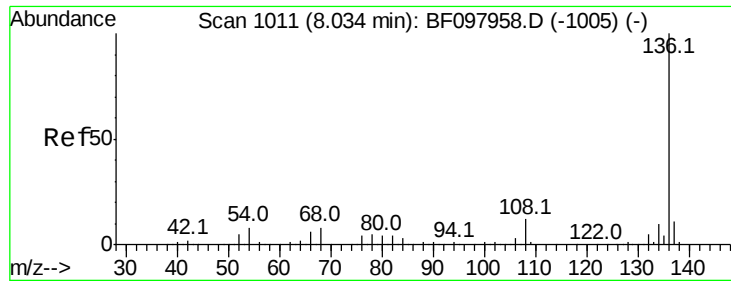
Ion Ratio Lower Upper

94 100

65 24.3 9.9 49.9

66 32.9 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

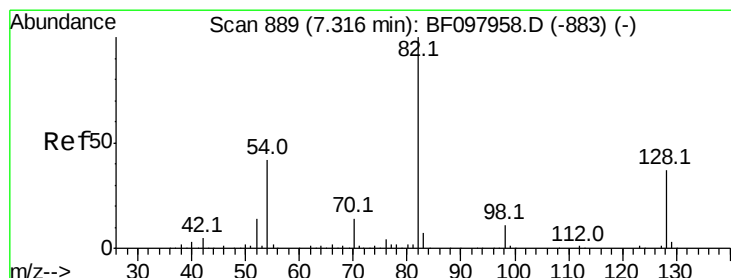
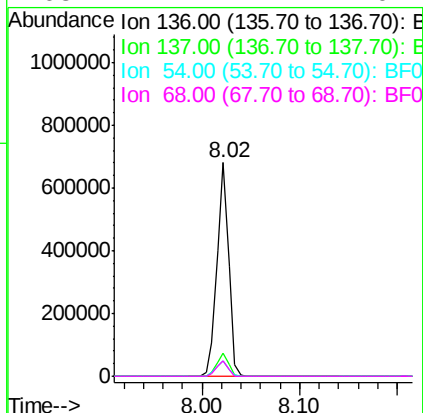
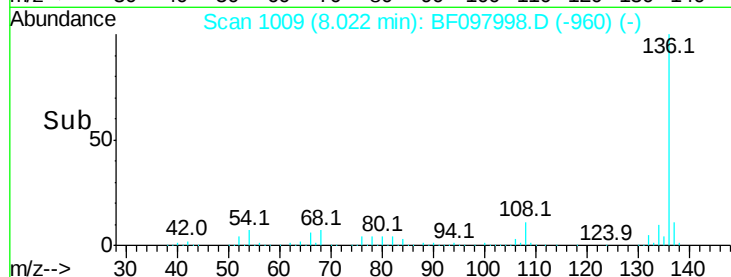
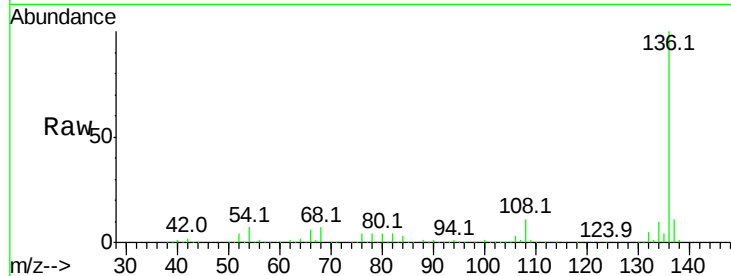
ClientSampleId :

TR-04-082117-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	7.5	4.9	7.3#	
68	7.1	4.1	6.1#	

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#23

Nitrobenzene-d5

Concen: 86.966 ng

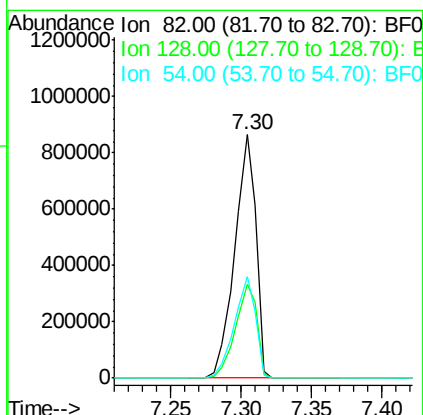
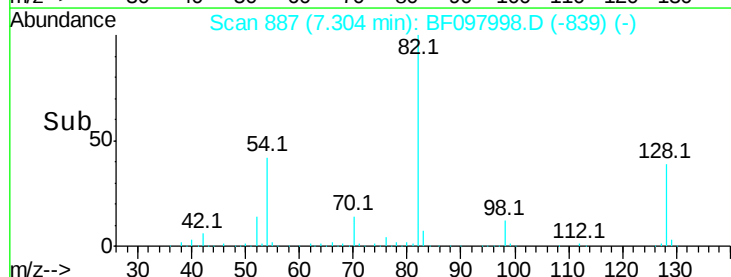
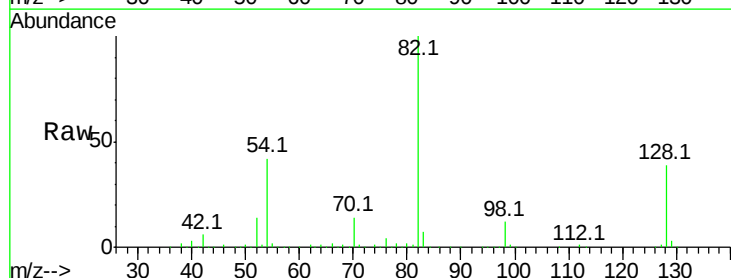
RT: 7.30 min Scan# 887

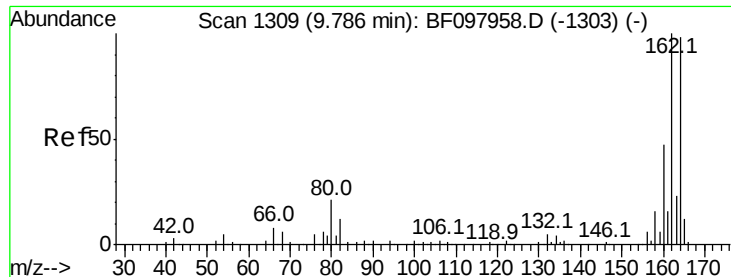
Delta R.T. -0.02 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.7	34.0	51.0	
54	41.6	42.2	63.2#	





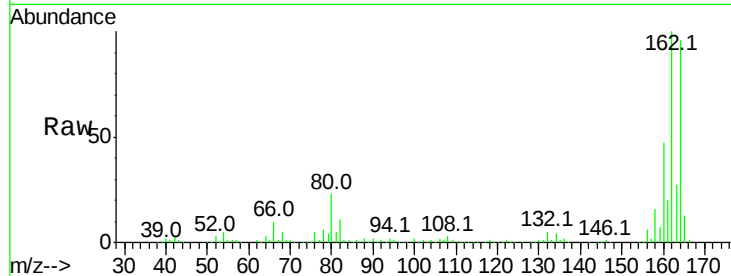
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

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

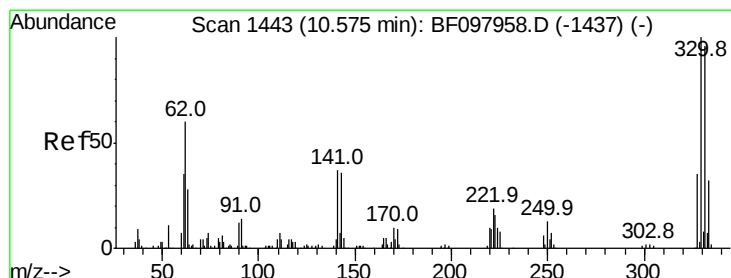
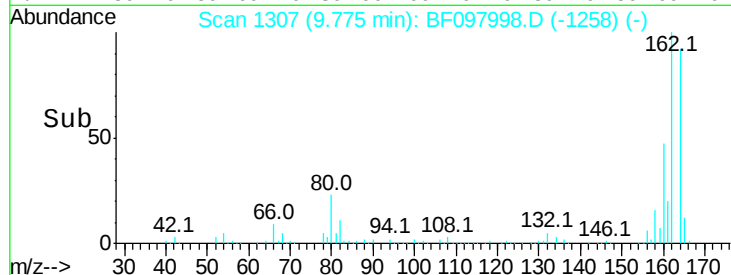
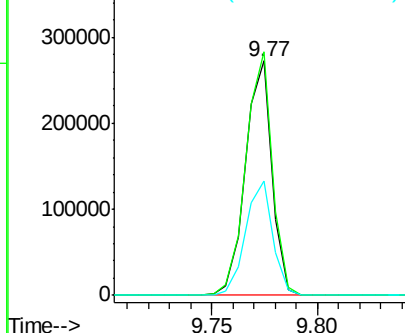
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	82.6	123.8	
160	49.1	36.2	54.2	

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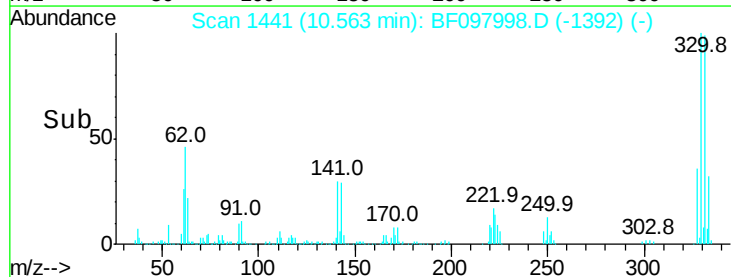
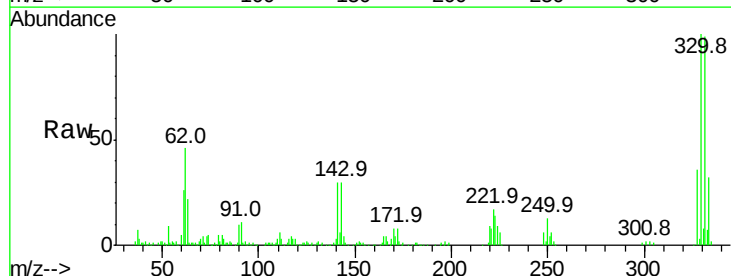
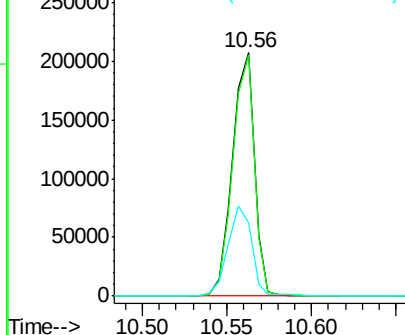
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

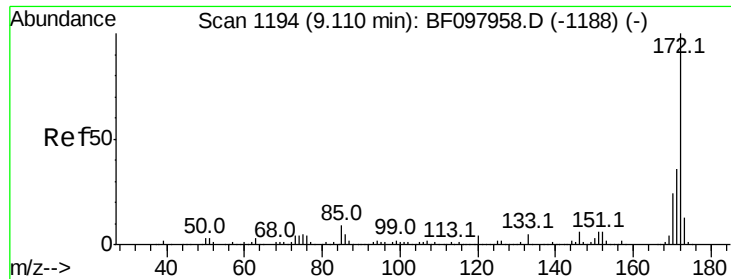


#41
 2,4,6-Tribromophenol
 Concen: 91.649 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.6	115.0	
141	41.1	31.4	47.2	

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





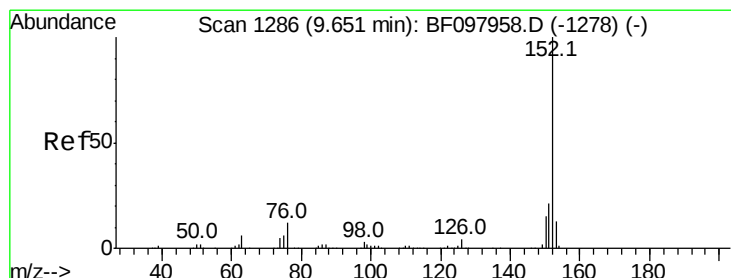
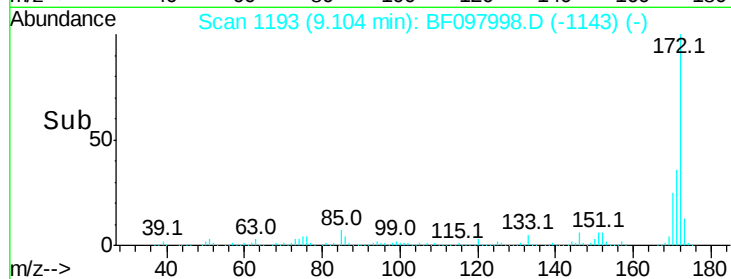
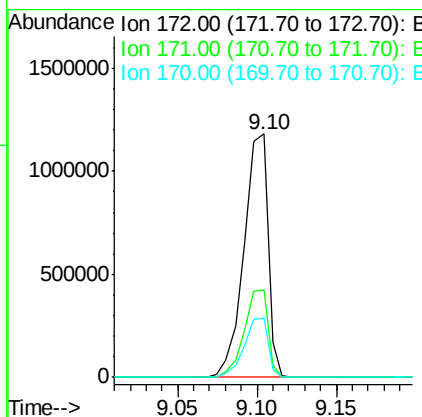
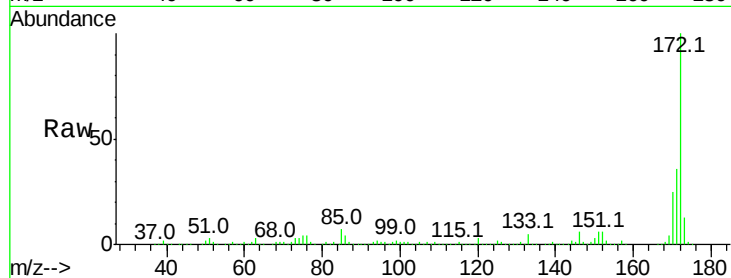
#44
2-Fluorobiphenyl
Concen: 76.951 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Instrument :
BNA_F
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TR-04-082117-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.5	19.8	29.8

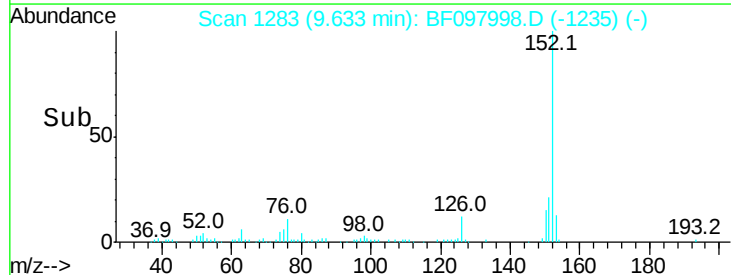
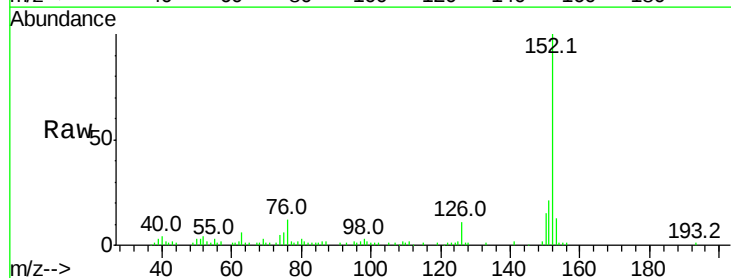
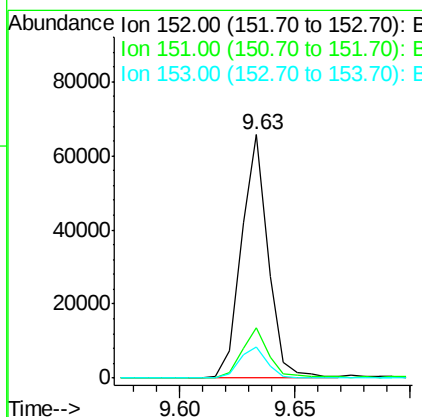
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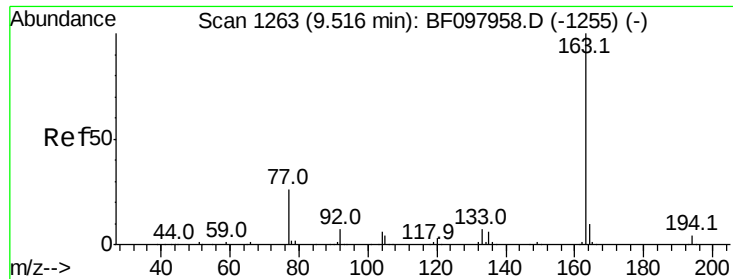
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#48
Acenaphthylene
Concen: 2.121 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	12.9	10.8	16.2





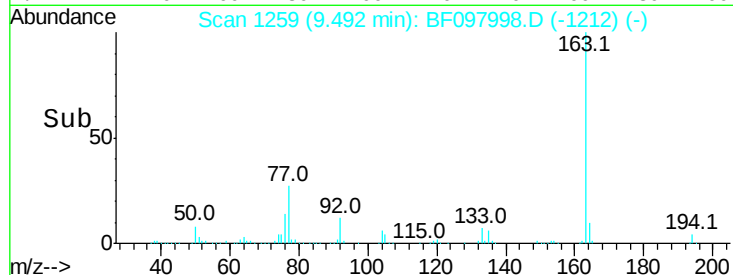
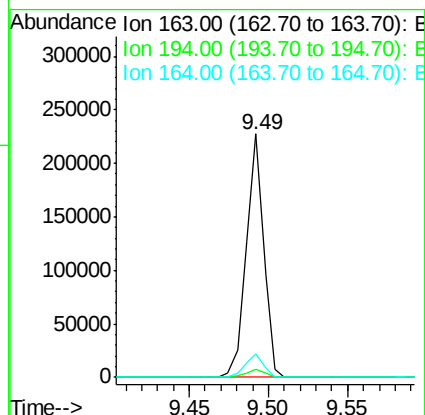
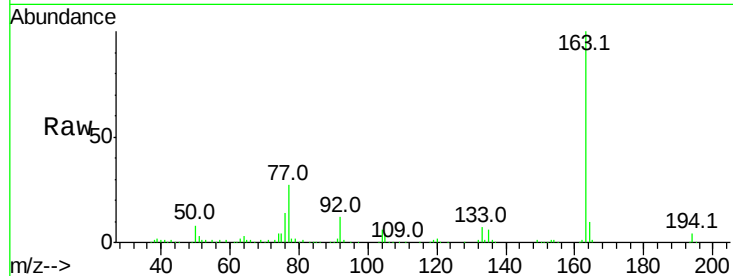
#49
Dimethylphthalate
Concen: 10.015 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	173038		
194	3.5	2.6	4.0	
164	9.6	8.4	12.6	

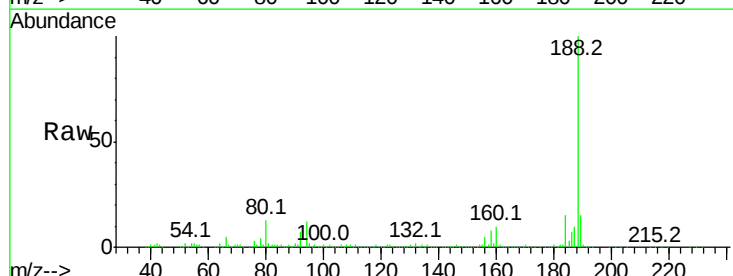
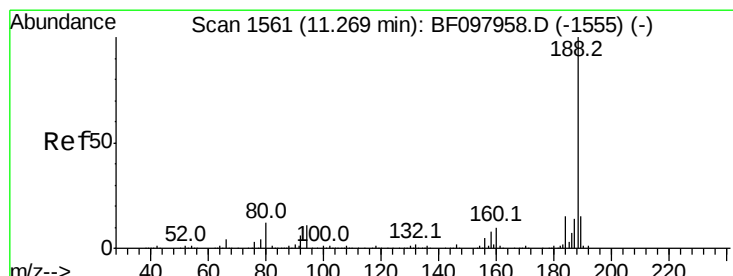
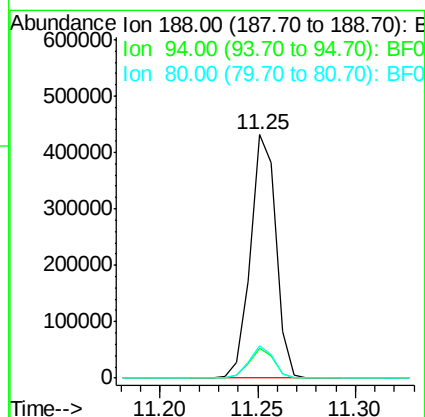
Manual Integrations
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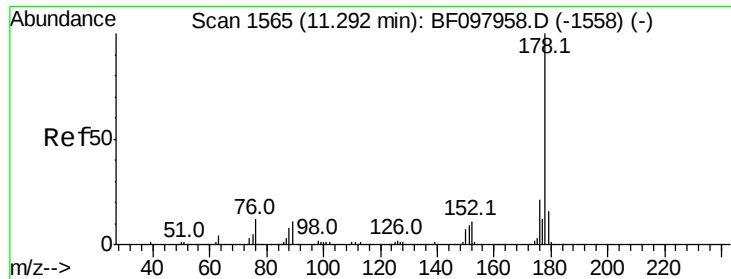
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	390405		
94	12.4	9.4	14.2	
80	13.1	10.2	15.2	





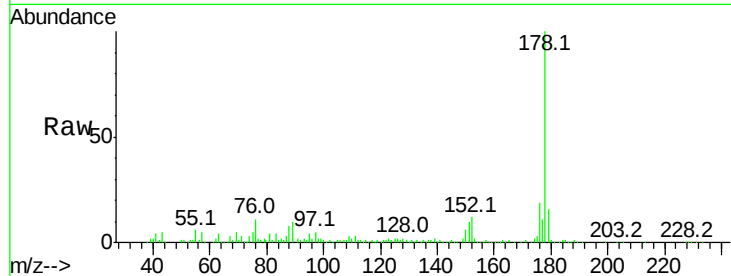
#70
Phenanthrene
Concen: 5.409 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Instrument :
BNA_F
ClientSampled :
TR-04-082117-B

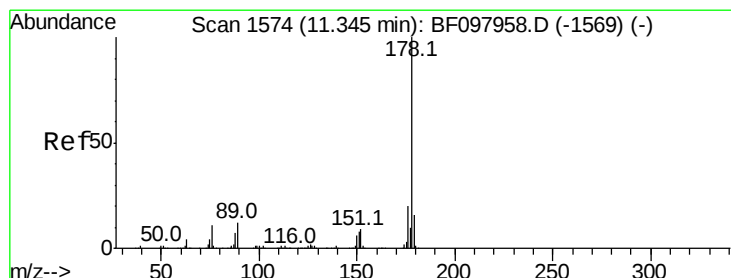
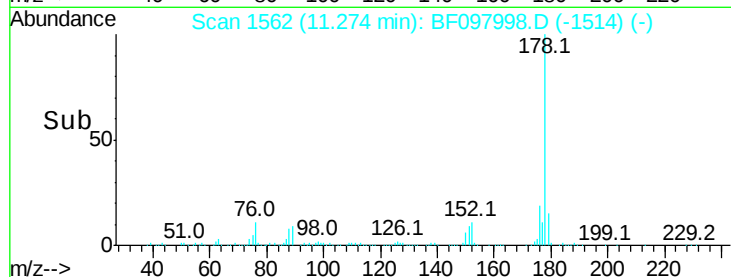
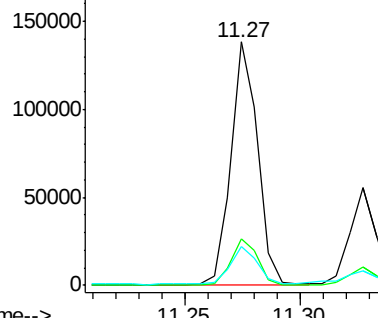
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.9	12.6	19.0

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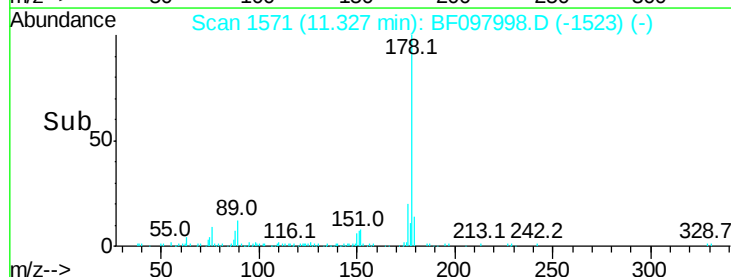
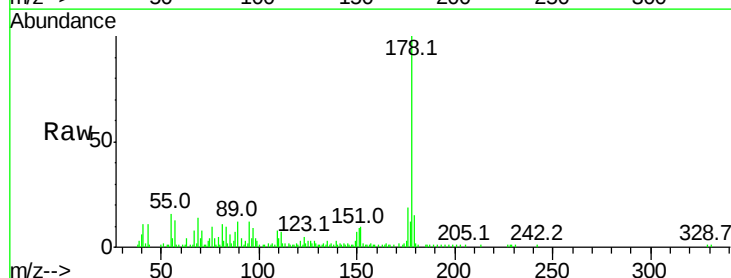
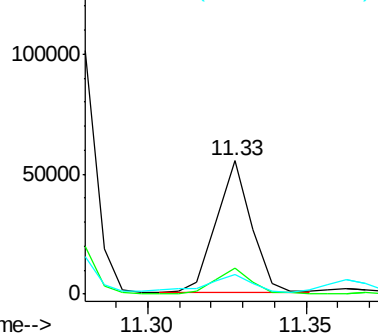
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

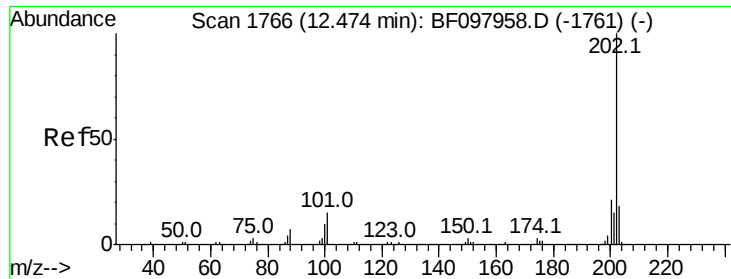


#71
Anthracene
Concen: 2.005 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.0	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.529 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

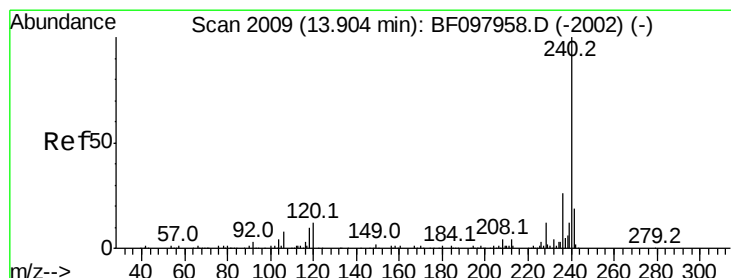
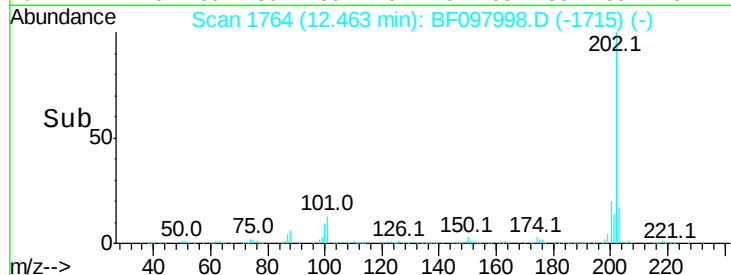
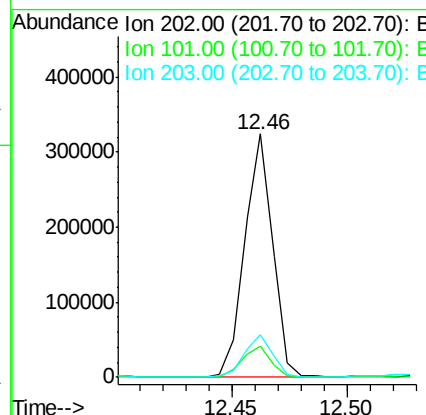
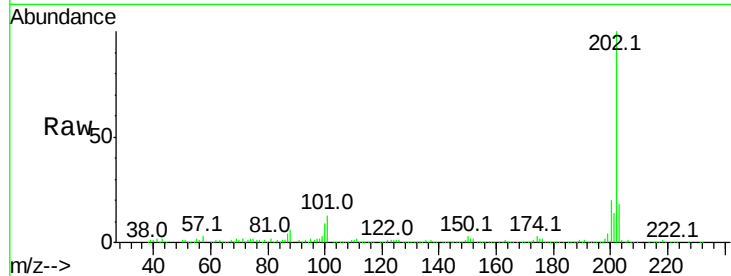
ClientSampleId :

TR-04-082117-B

Tot Ion	Ratio	Resp	Lower	Upper
202	100	272064		
101	12.9	0.0	33.2	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

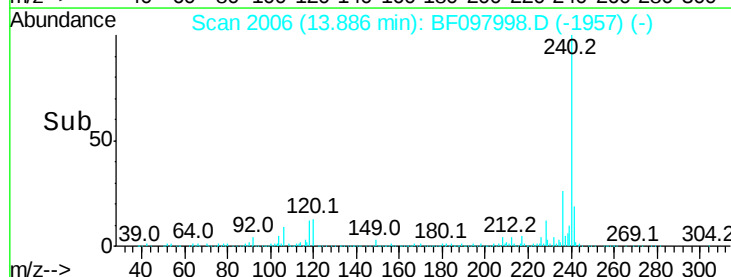
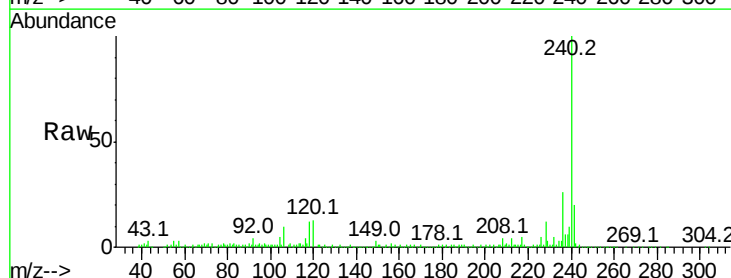
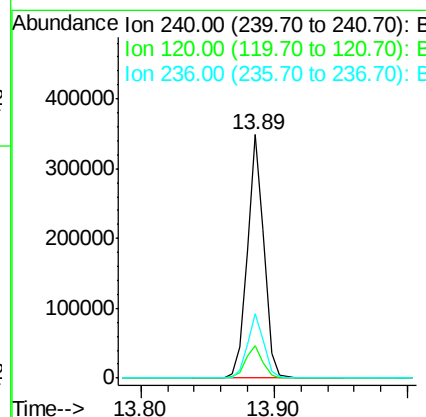
RT: 13.89 min Scan# 2006

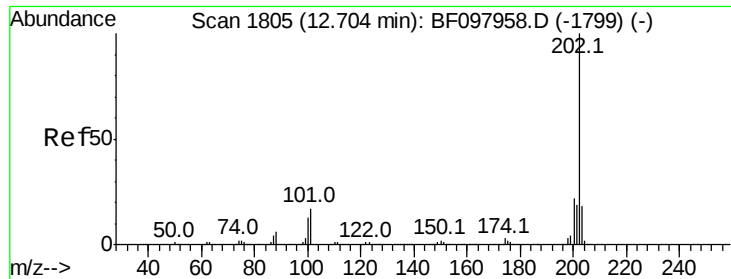
Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	296096		
120	13.5	5.8	8.8#	
236	26.4	20.5	30.7	





#77

Pvrene

Concen: 10.734 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

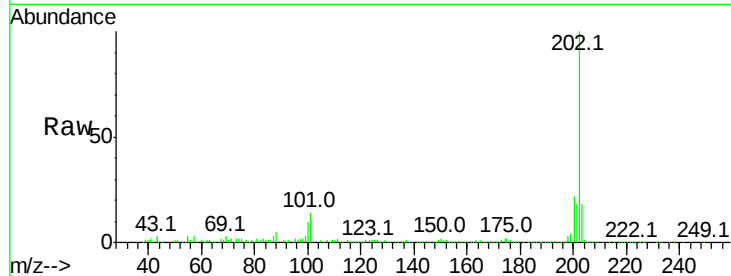
ClientSampleId :

TR-04-082117-B

Tot Ion:	202	Resp:	259949
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.6	26.4
203	17.9	14.4	21.6

Manual Integrations
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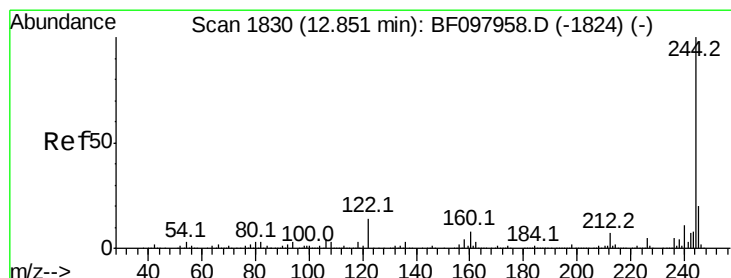
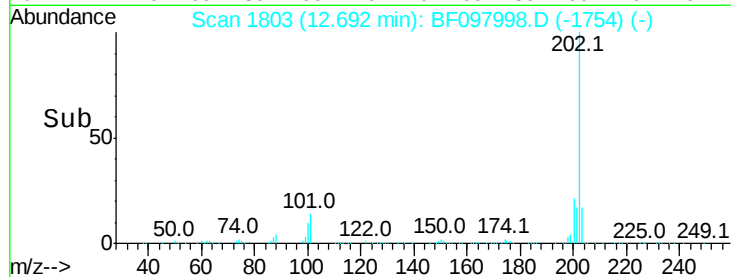
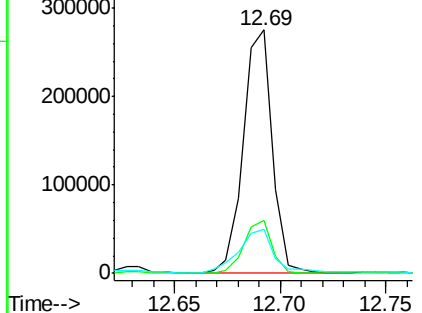
Sohil
8/24/2017 4:59:55 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 56.360 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF097998.D

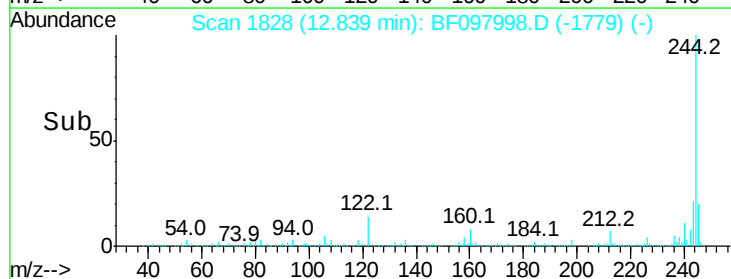
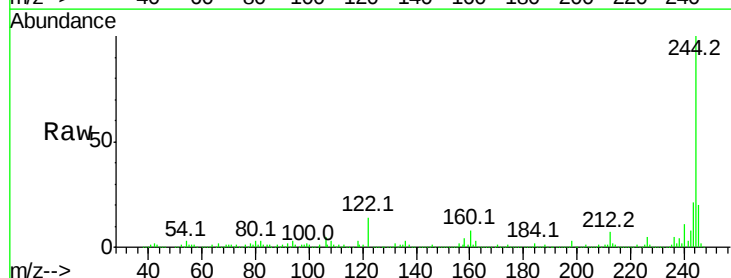
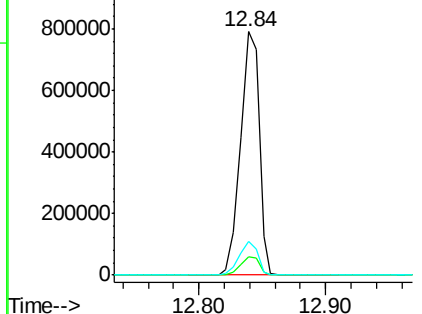
Acq: 23 Aug 2017 15:16

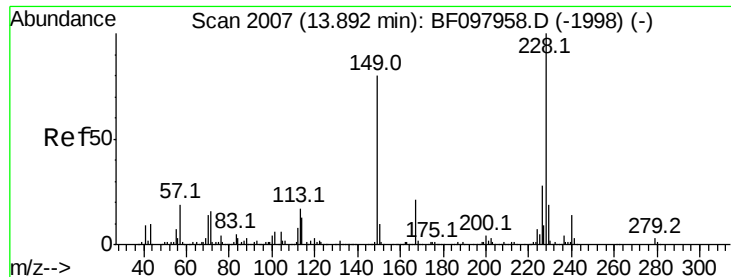
Tgt Ion:	244	Resp:	800257
Ion Ratio		Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.9	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





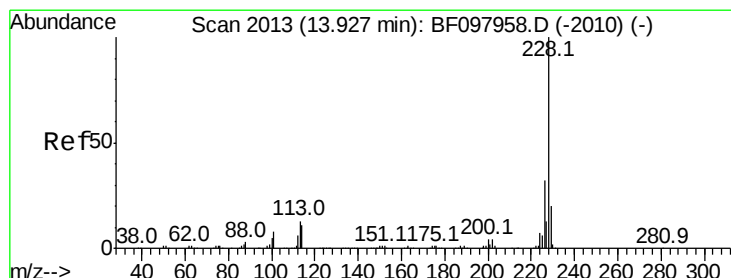
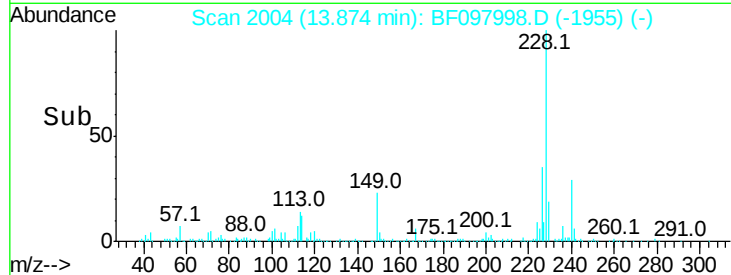
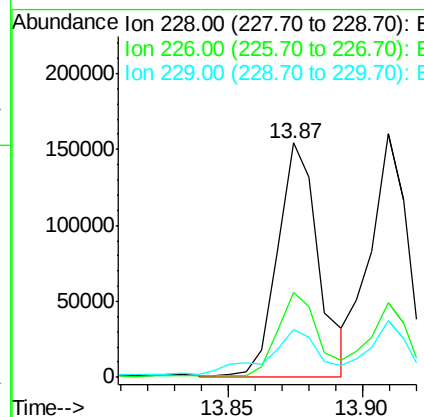
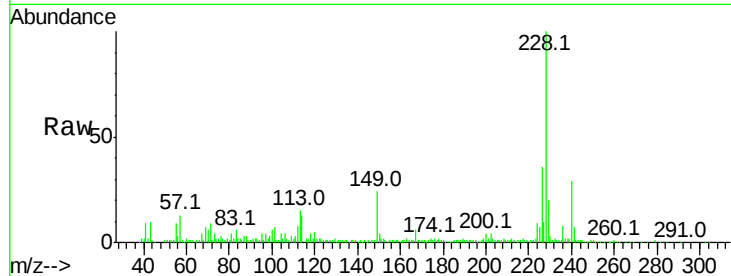
#80
Benzo(a)anthracene
Concen: 9.285 ng m
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.0	22.6	33.8#
229	20.4	16.3	24.5

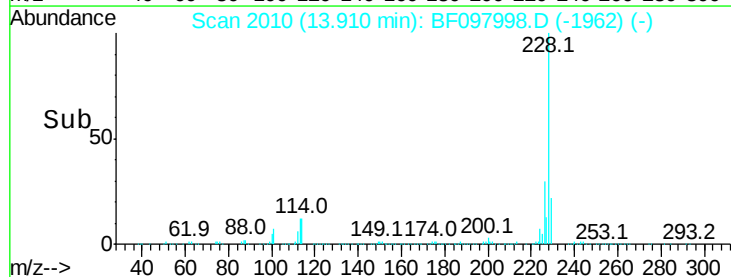
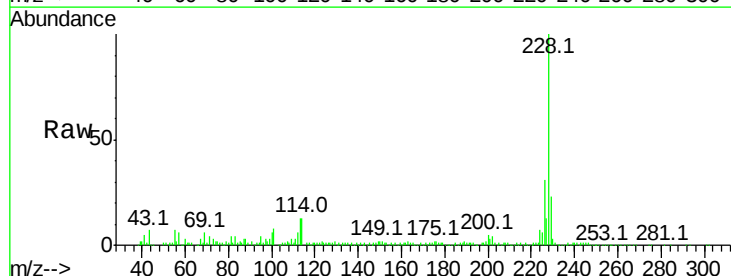
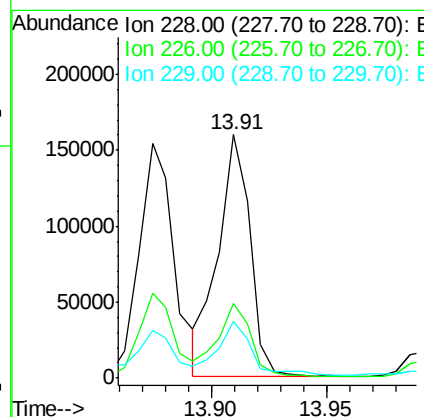
Manual Integrations
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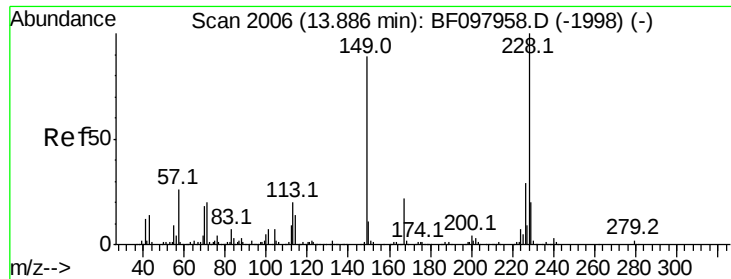
Sohil
8/24/2017 4:59:55 PM



#82
Chrysene
Concen: 8.697 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	23.4	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.433 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

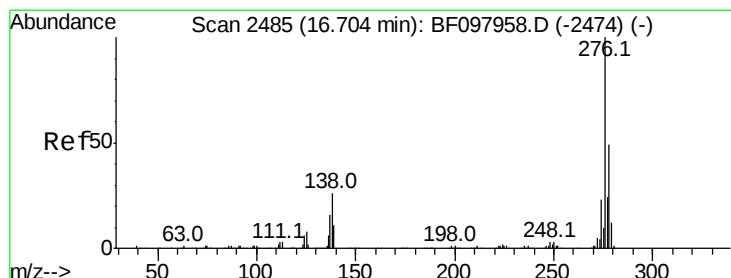
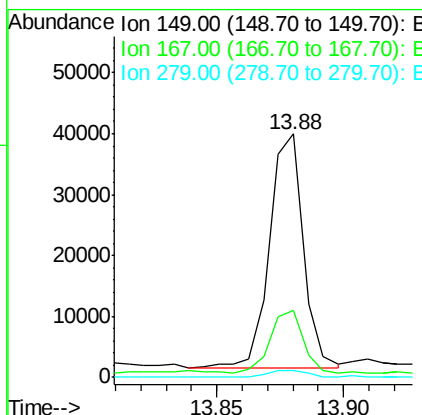
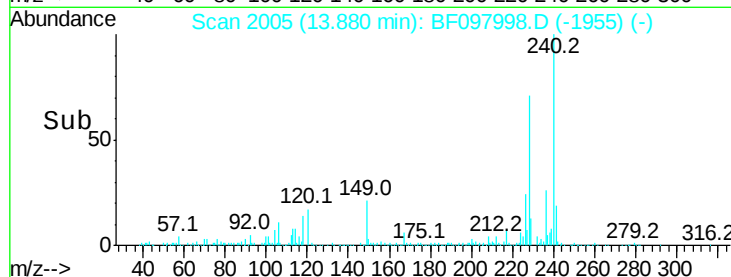
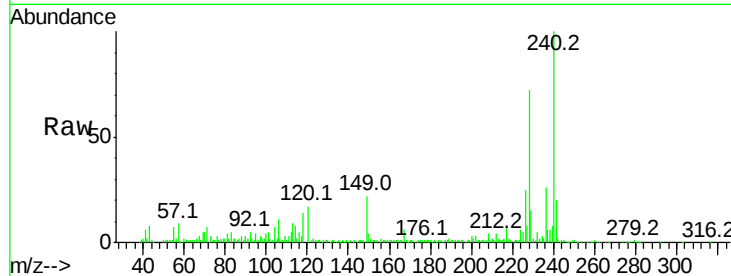
ClientSampled :

TR-04-082117-B

Tot Ion:	149	Resp:	35321
Ion Ratio	Lower	Upper	
149	100		
167	27.7	21.0	31.4
279	3.0	1.9	2.9#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.097 ng m

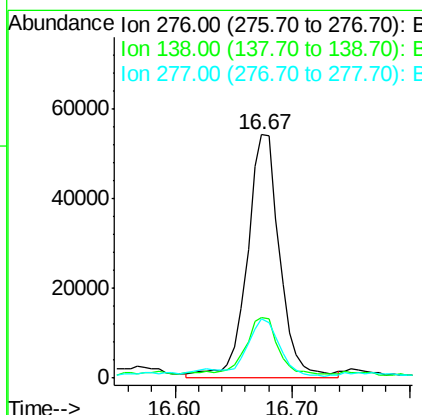
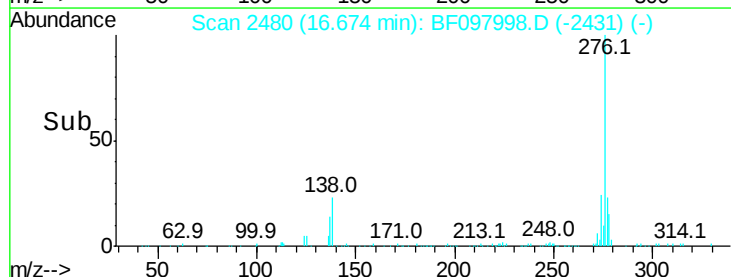
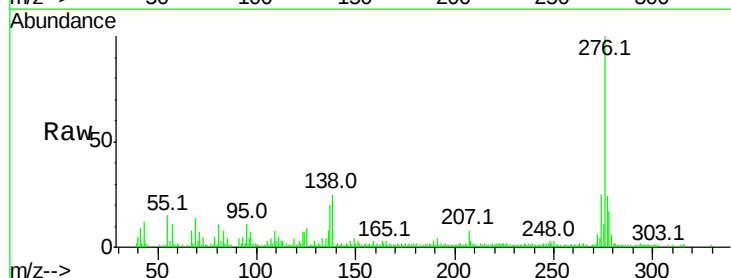
RT: 16.67 min Scan# 2480

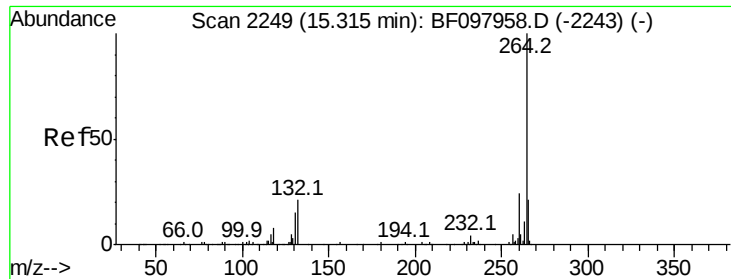
Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Tgt Ion:	276	Resp:	105153
Ion Ratio	Lower	Upper	
276	100		
138	5.2	27.8	41.6#
277	4.5	20.2	30.4#





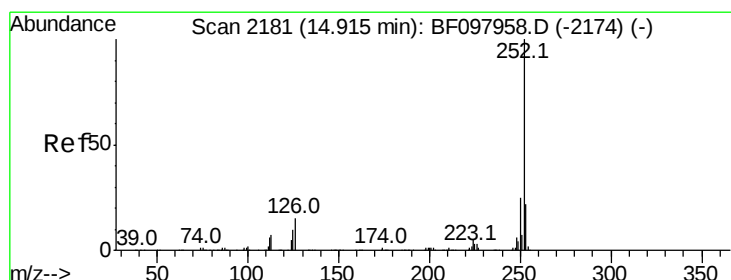
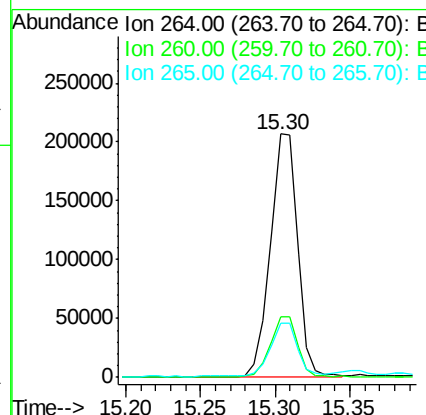
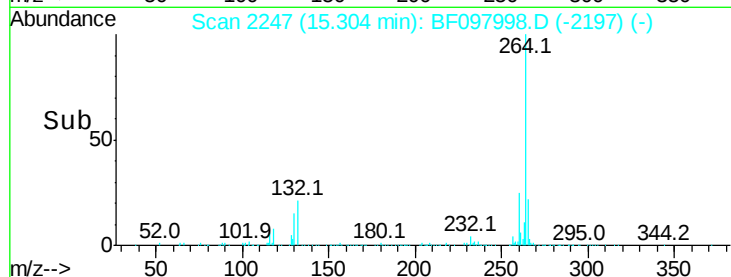
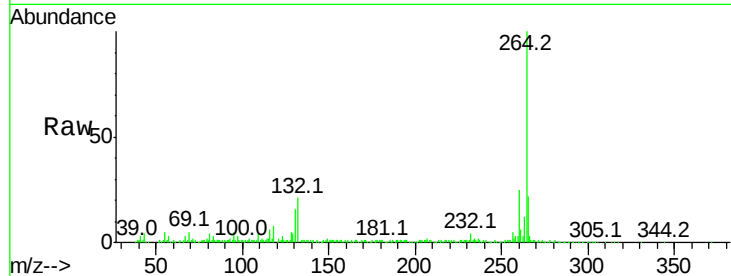
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.2	17.2	25.8

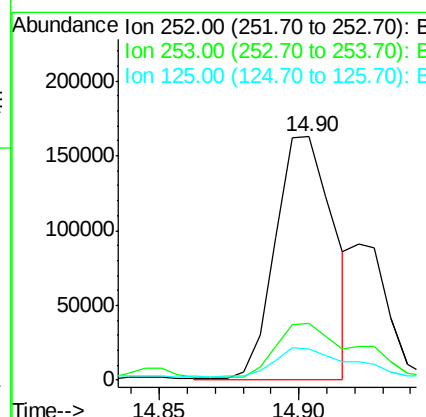
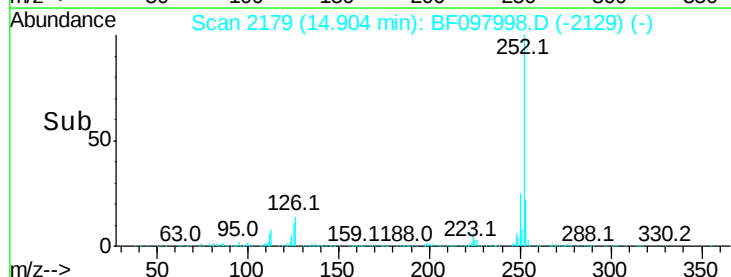
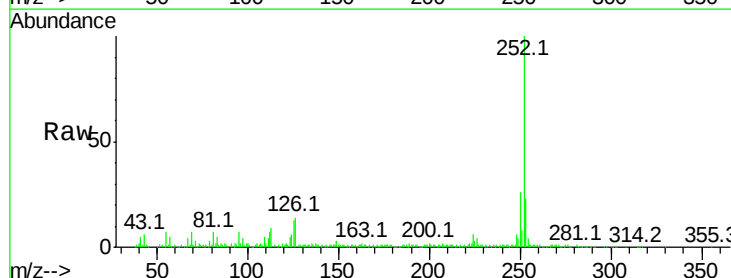
Manual Integrations
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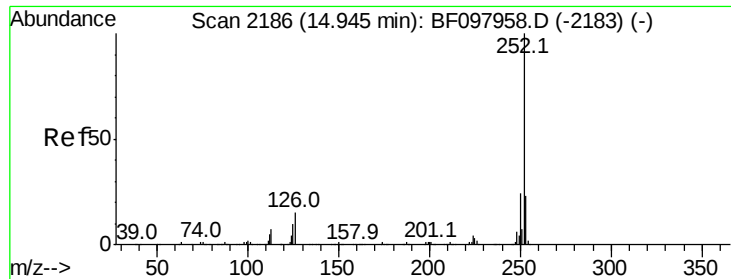
Sohil
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#87
Benzo(b)fluoranthene
Concen: 14.303 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.6	9.8	14.8





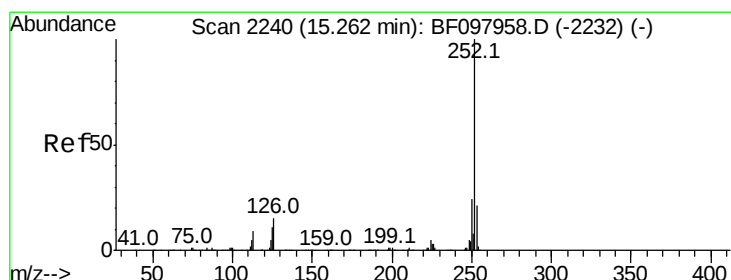
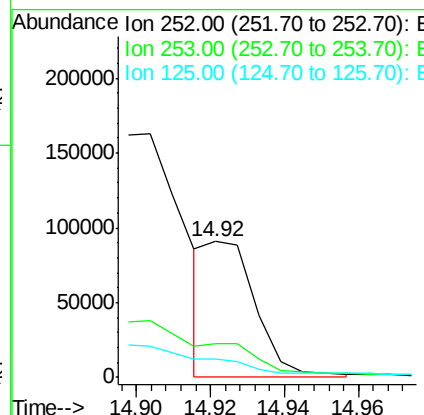
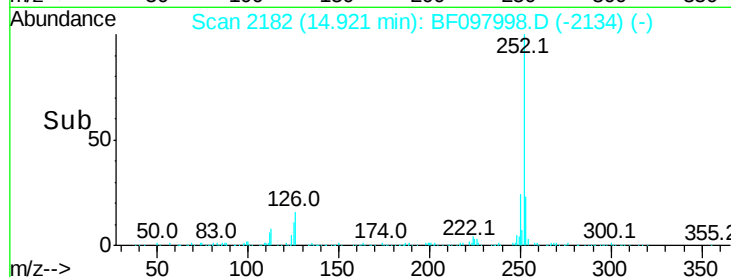
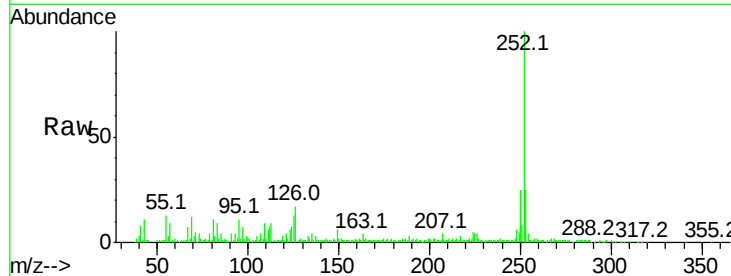
#88
Benzo(k)fluoranthene
Concen: 5.488 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

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

Tot Ion:	252	Resp:	84818
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.4	27.6
125	13.2	13.1	19.7

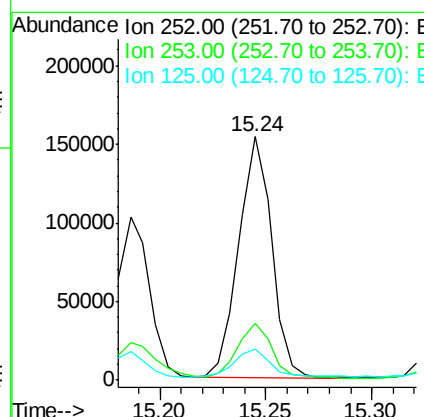
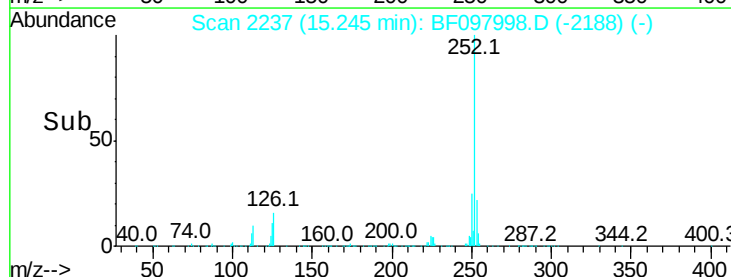
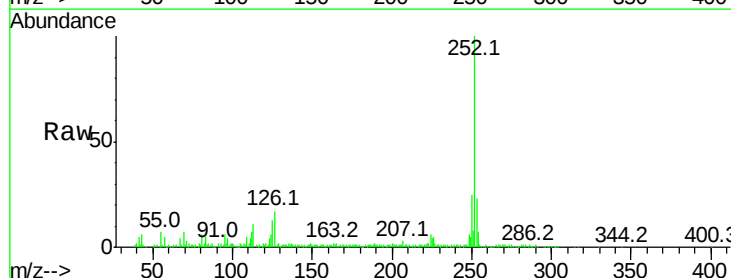
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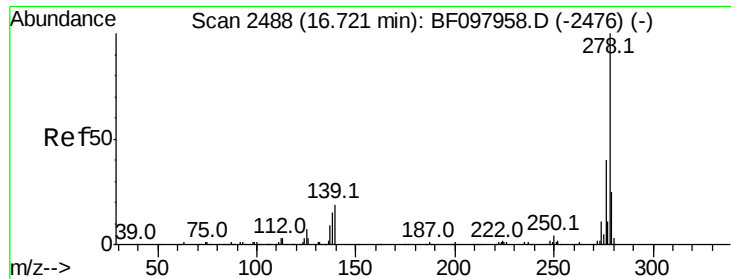
Sohil
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#89
Benzo(a)pyrene
Concen: 11.398 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion:	252	Resp:	166007
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	12.8	11.0	16.4





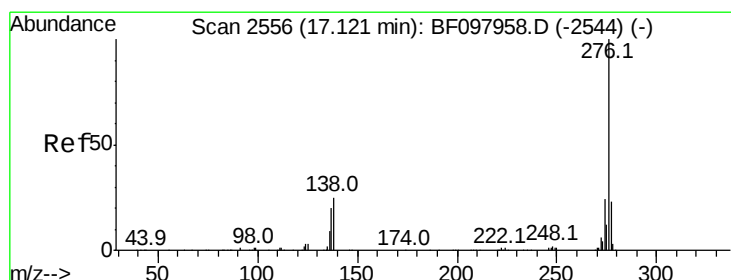
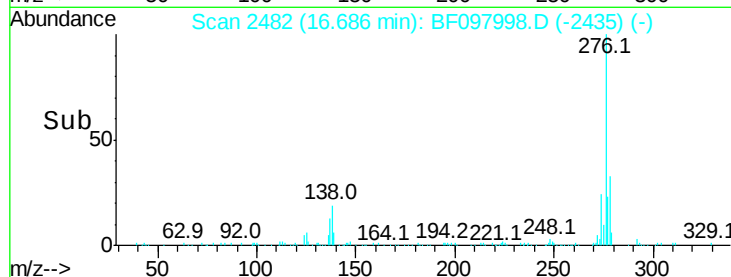
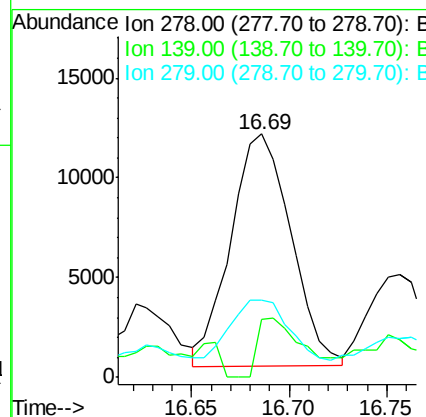
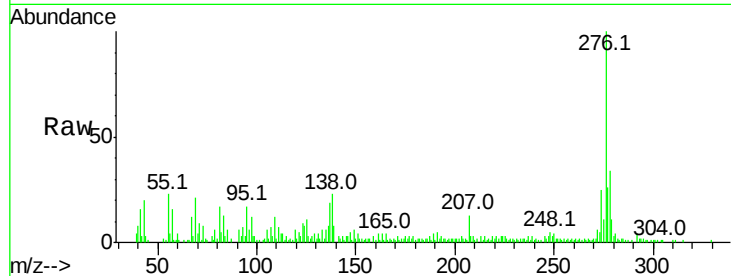
#90
Dibenzo(a,h)anthracene
Concen: 2.093 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.1	16.6	24.8
279	31.5	19.3	28.9

Manual Integrations
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8/24/2017 4:59:55 PM



#91
Benzo(g,h,i)perylene
Concen: 7.949 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	25.1	25.4	38.0

