

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097755.D
 Acq On : 16 Aug 2017 22:54
 Operator : SJ/JU
 Sample : I4739-05 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-5

Manual Integrations
 APPROVED

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

Quant Time: Aug 17 06:08:06 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	170130	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	662345	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	280923	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	457908	20.00	ng	0.00
75) Chrysene-d12	13.93	240	318527	20.00	ng	0.00
86) Perylene-d12	15.37	264	282234	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	256423	22.93	ng	-0.01
7) Phenol-d6	6.40	99	354104	23.30	ng	-0.01
23) Nitrobenzene-d5	7.34	82	210385	17.26	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	50947	20.90	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	308980	16.16	ng	0.00
78) Terphenyl-d14	12.88	244	187450	12.27	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	589668	24.166	ng	99
71) Anthracene	11.37	178	115522	4.668	ng	99
74) Fluoranthene	12.51	202	641034	25.170	ng	99
77) Pyrene	12.74	202	601883	23.103	ng	98
80) Benzo(a)anthracene	13.92	228	247174	12.947	ng	97
82) Chrysene	13.96	228	220954	11.635	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	92164m	6.597	ng	
87) Benzo(b)fluoranthene	14.95	252	248585m	13.973	ng	
88) Benzo(k)fluoranthene	14.98	252	92663m	5.544	ng	
89) Benzo(a)pyrene	15.30	252	187374	11.897	ng	98
91) Benzo(g,h,i)perylene	17.17	276	83704	6.257	ng	# 92

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

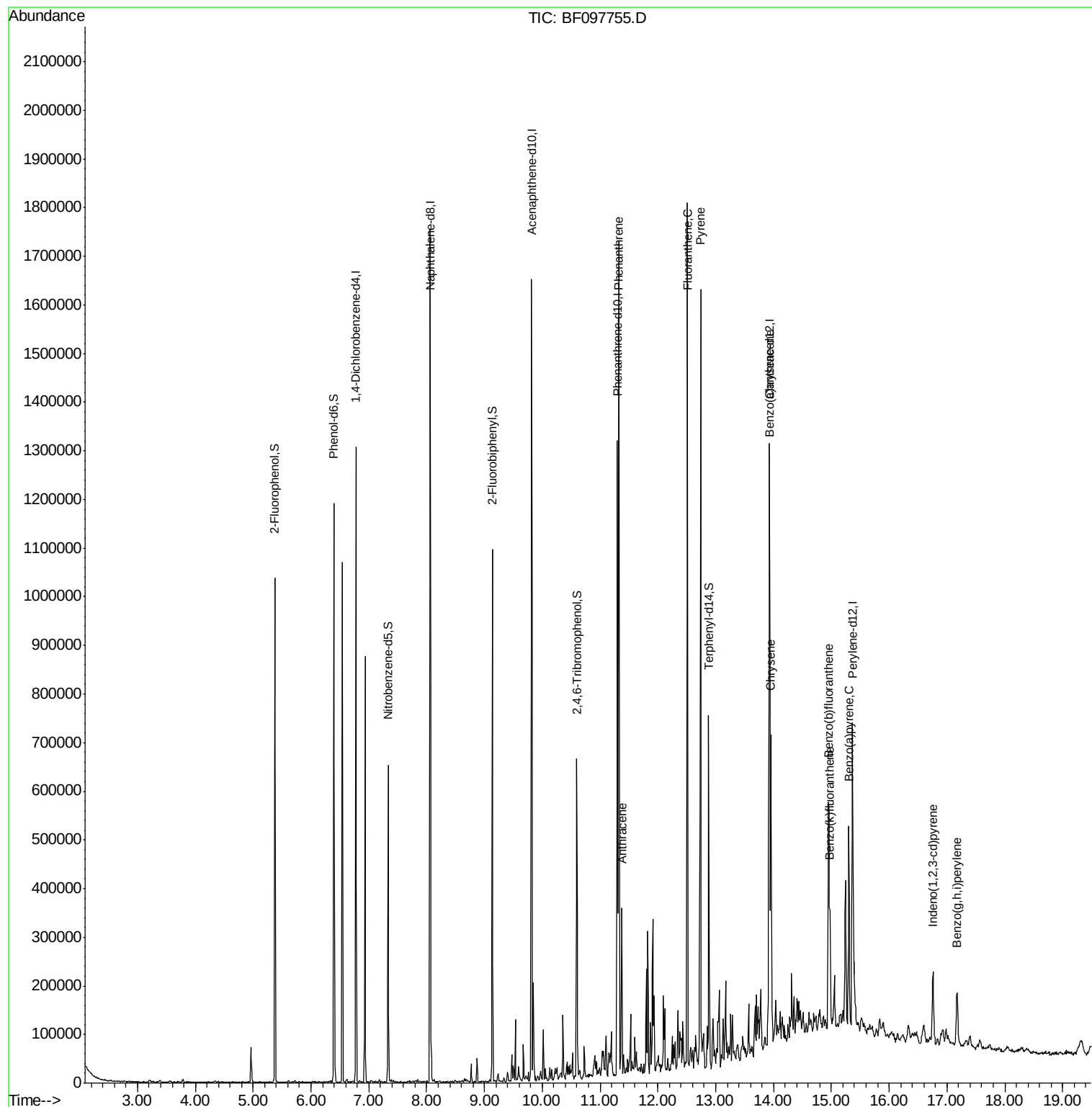
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097755.D
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Operator : SJ/JU
Sample : I4739-05 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

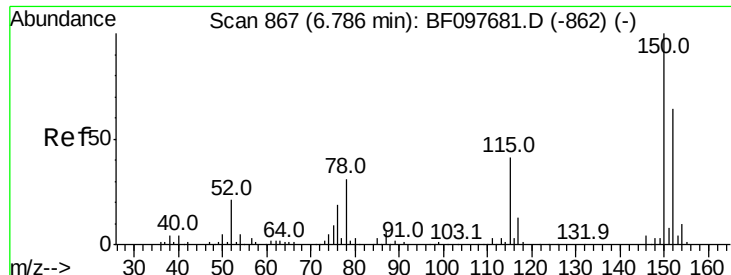
Instrument :
BNA_F
ClientSampleId :
S11-WC-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

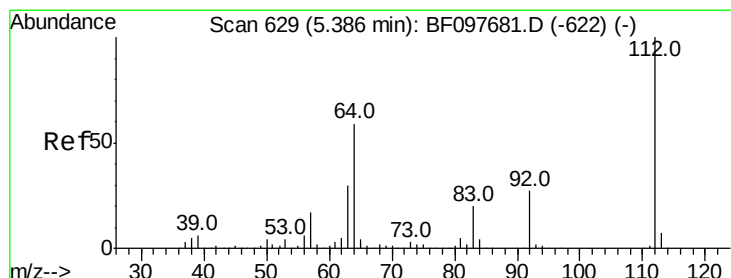
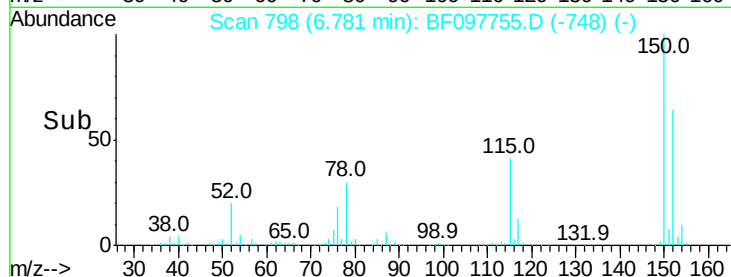
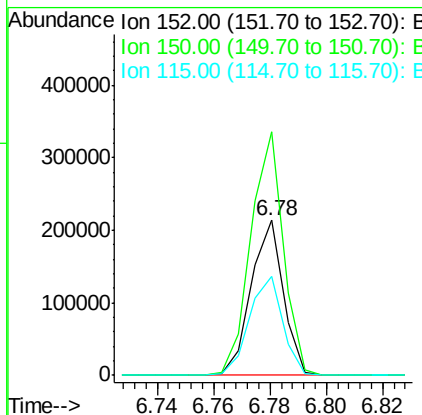
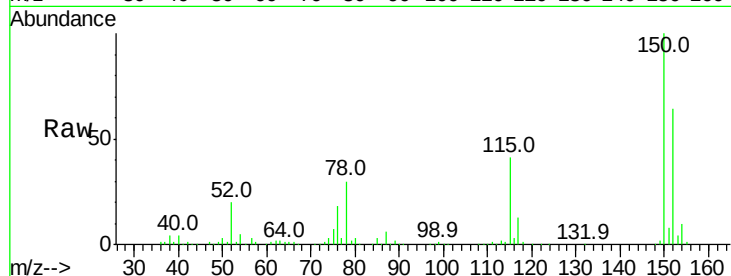
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097755.D
Acq: 16 Aug 2017 22:54

Instrument :
BNA_F
ClientSampled :
S11-WC-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	64.2	52.2	78.2

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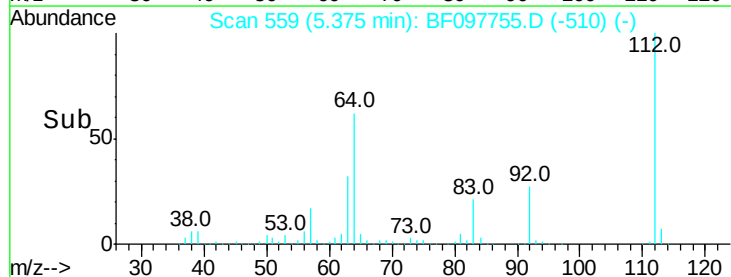
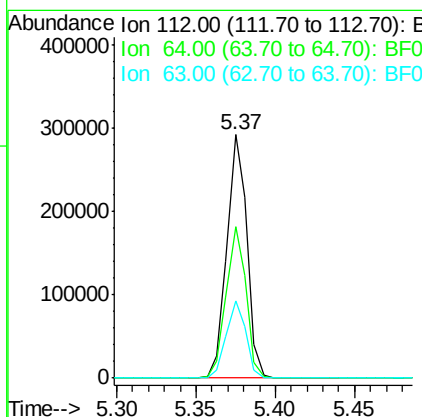
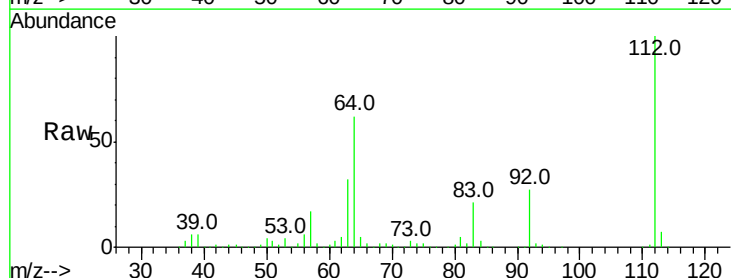
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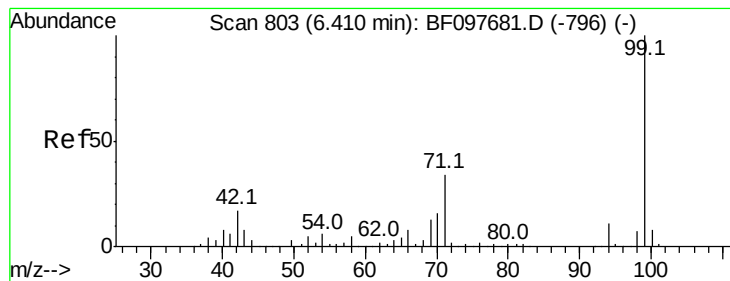


#5

2-Fluorophenol
Concen: 22.926 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097755.D
Acq: 16 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	46.0	69.0
63	31.8	23.4	35.0





#7

Phenol-d6

Concen: 23.301 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Instrument :

BNA_F

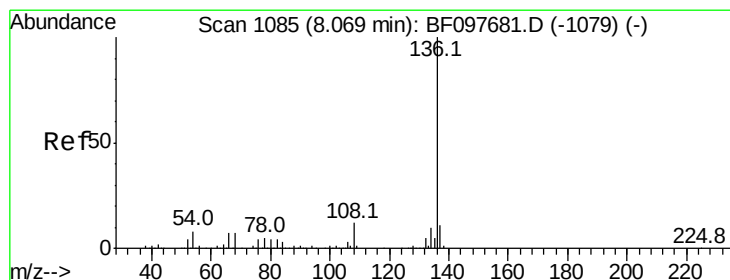
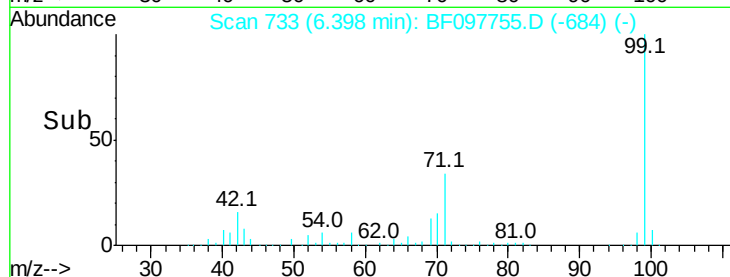
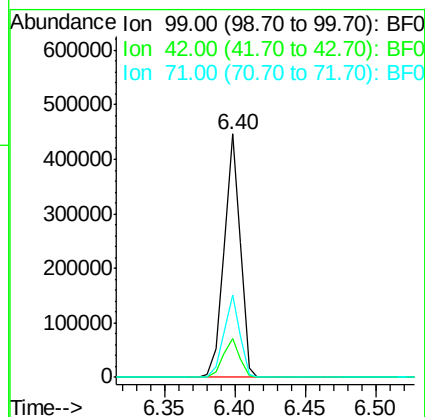
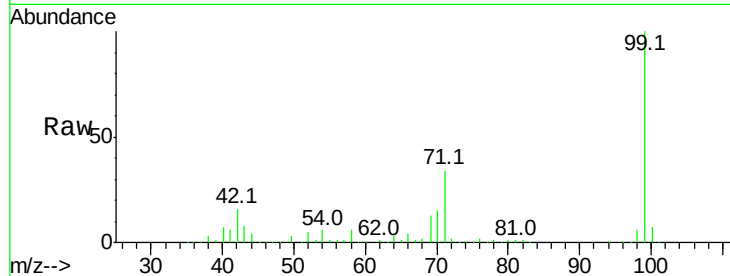
ClientSampleId :

S11-WC-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		354104		
42	16.2	13.5	20.3		
71	33.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

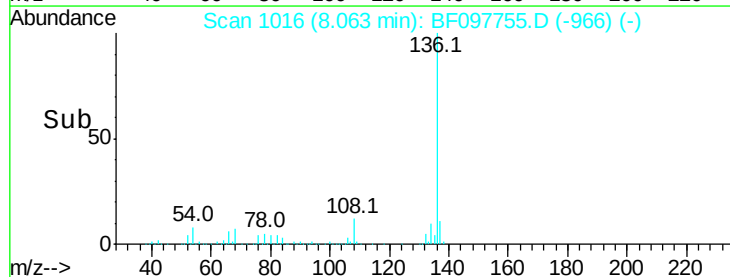
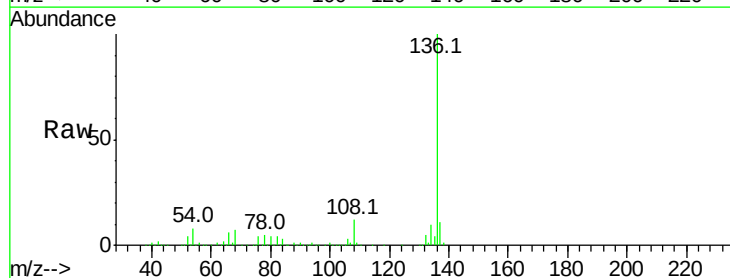
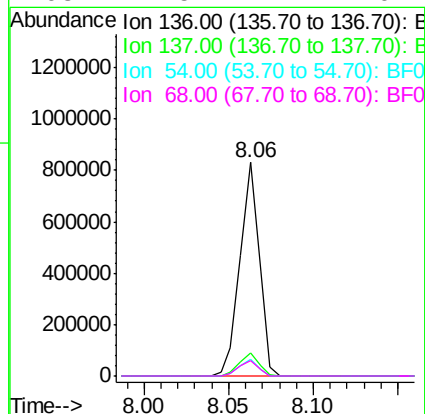
RT: 8.06 min Scan# 1016

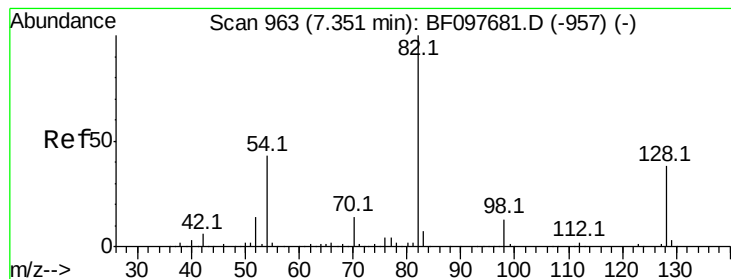
Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		662345		
137	11.0	8.5	12.7		
54	7.8	4.9	7.3#		
68	7.5	4.1	6.1#		





#23

Nitrobenzene-d5

Concen: 17.255 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Instrument :

BNA_F

ClientSampleId :

S11-WC-5

Tot Ion: 82 Resp: 210385

Ion Ratio Lower Upper

82 100

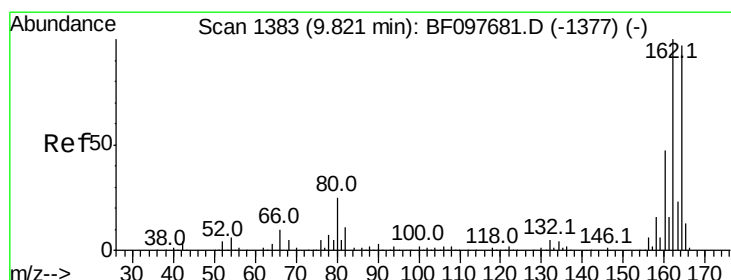
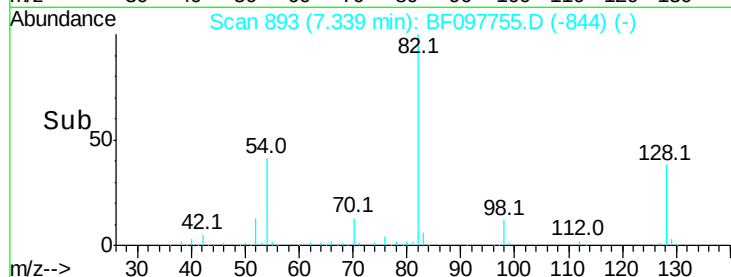
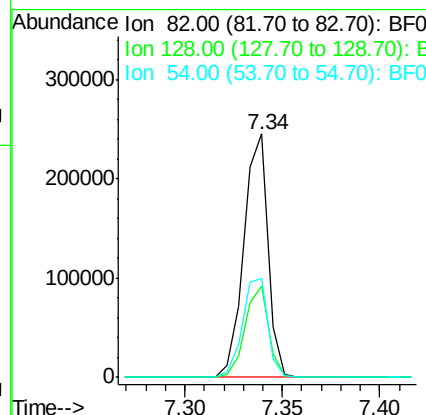
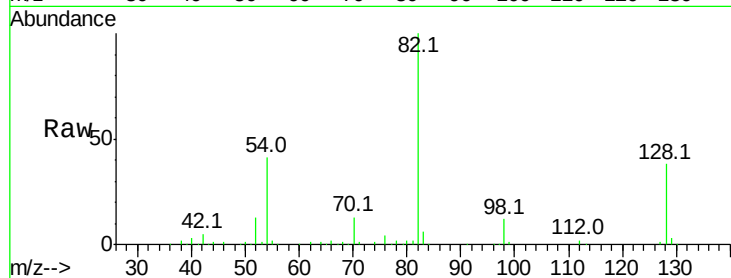
128 37.7 34.0 51.0

54 40.8 42.2 63.2#

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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: BF097755.D

Acq: 16 Aug 2017 22:54

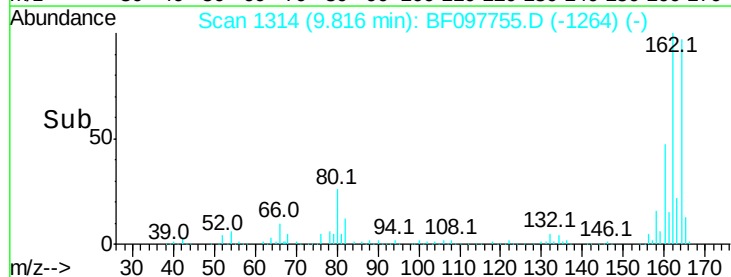
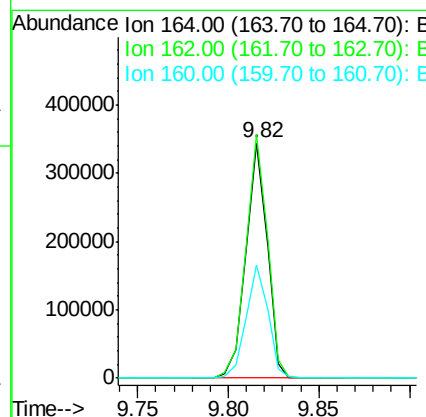
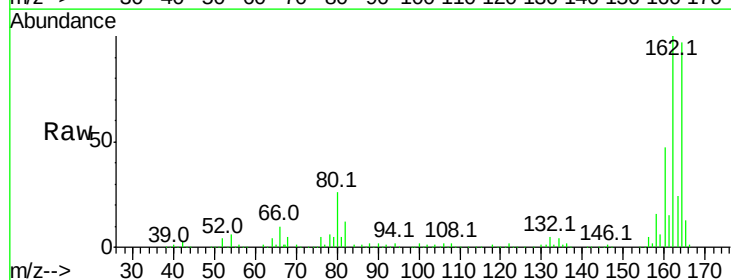
Tgt Ion:164 Resp: 280923

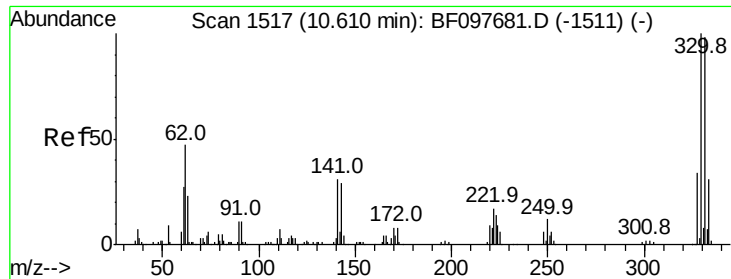
Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

160 48.3 36.2 54.2





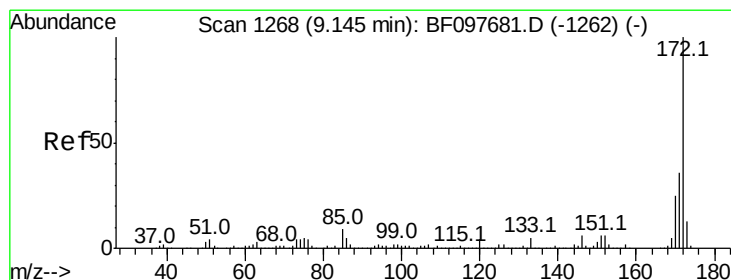
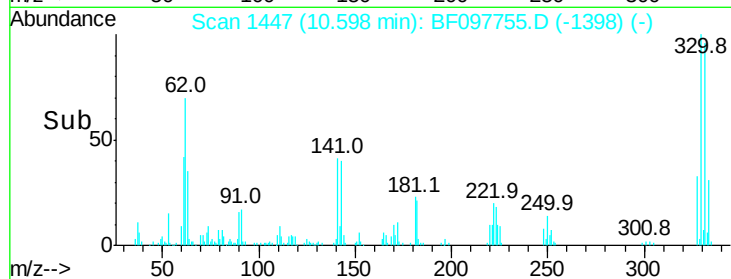
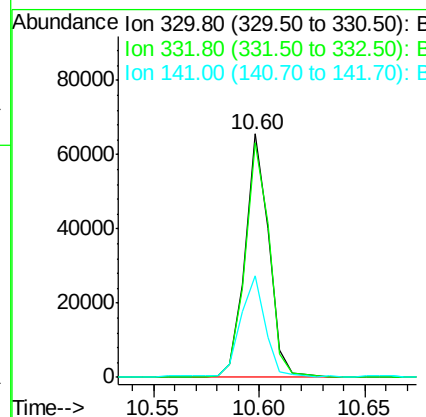
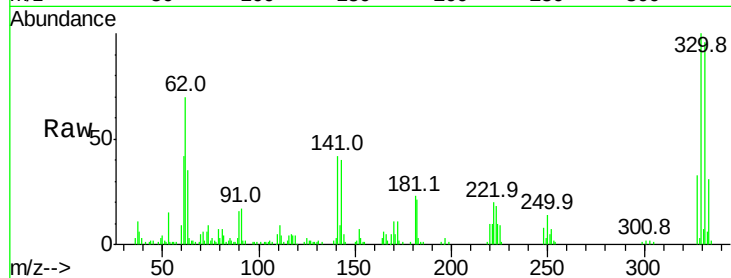
#41
 2,4,6-Tribromophenol
 Concen: 20.902 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097755.D
 Acq: 16 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-5

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	45.1	31.4	47.2

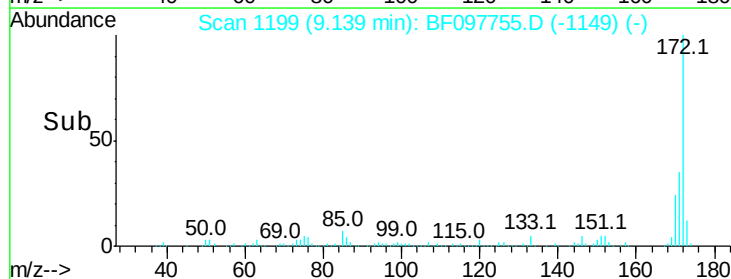
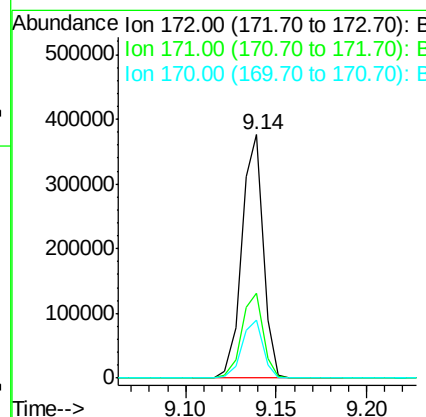
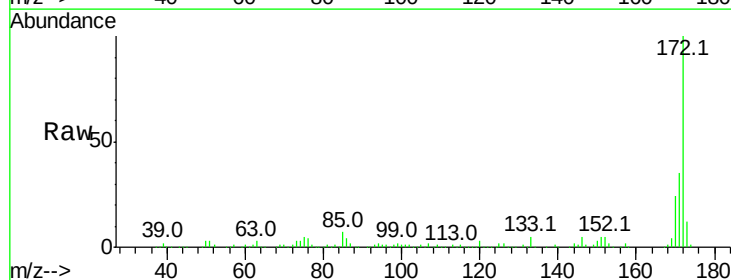
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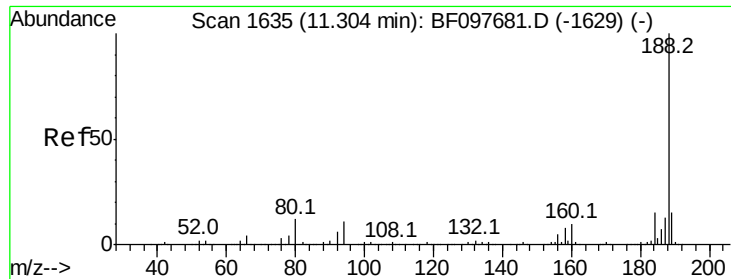
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#44
 2-Fluorobiphenyl
 Concen: 16.159 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097755.D
 Acq: 16 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.6	19.8	29.8





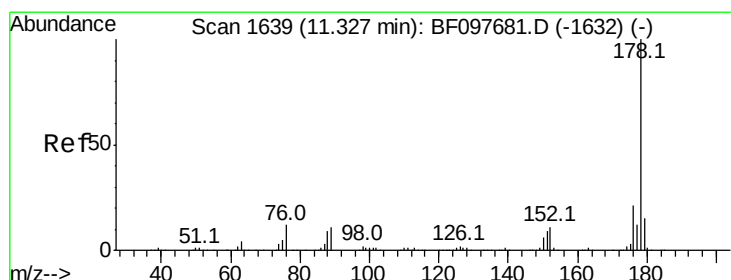
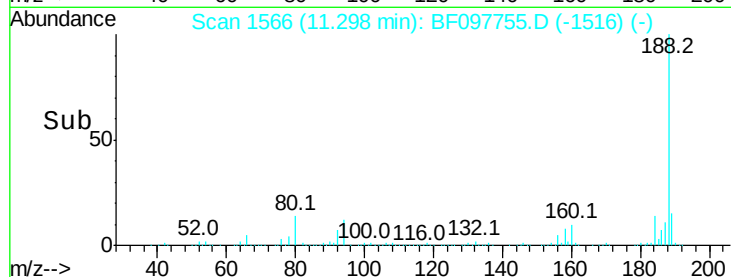
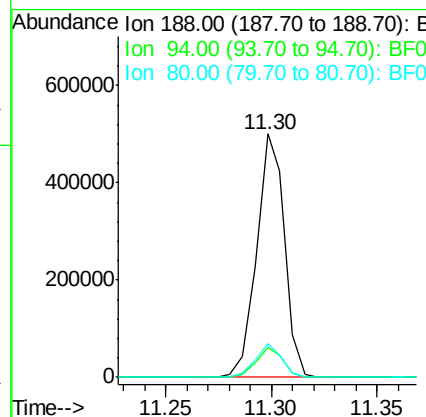
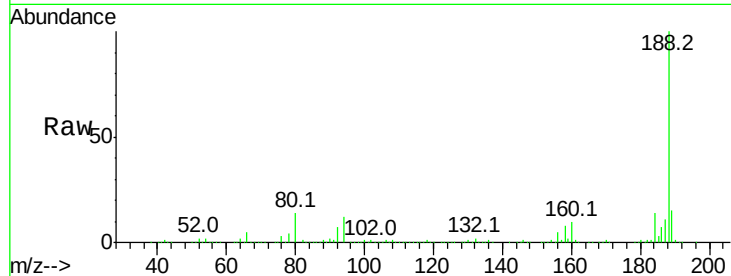
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097755.D
Acq: 16 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
S11-WC-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	457908		
94	12.4		9.4	14.2
80	13.7		10.2	15.2

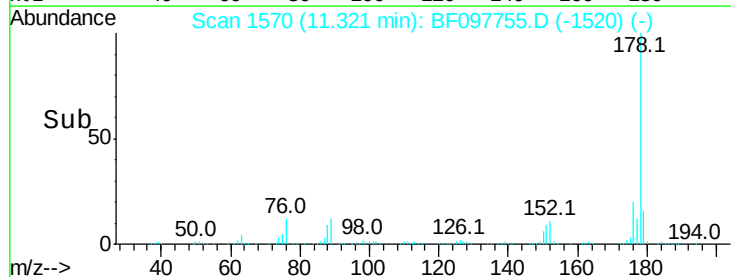
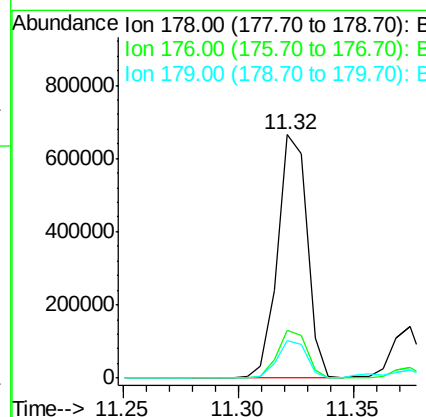
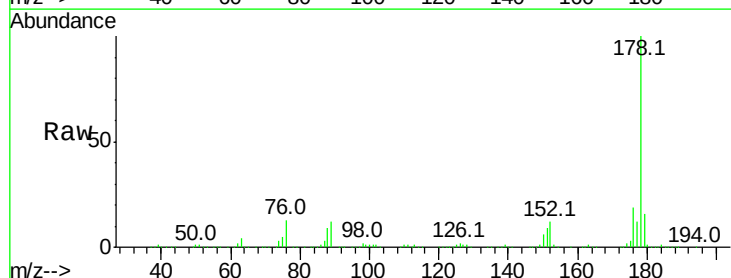
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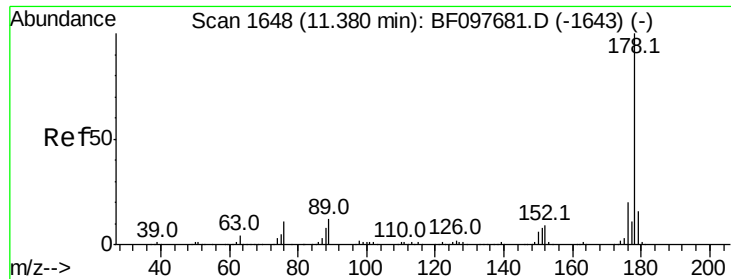
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#70
Phenanthrene
Concen: 24.166 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097755.D
Acq: 16 Aug 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	589668		
176	19.5		16.2	24.4
179	15.6		12.6	19.0





#71

Anthracene

Concen: 4.668 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Instrument :

BNA_F

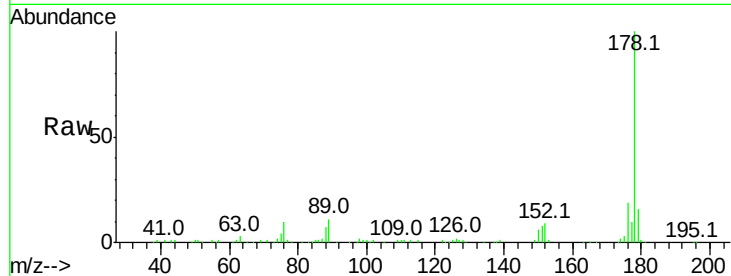
ClientSampleId :

S11-WC-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.1	12.7	19.1

Manual Integrations
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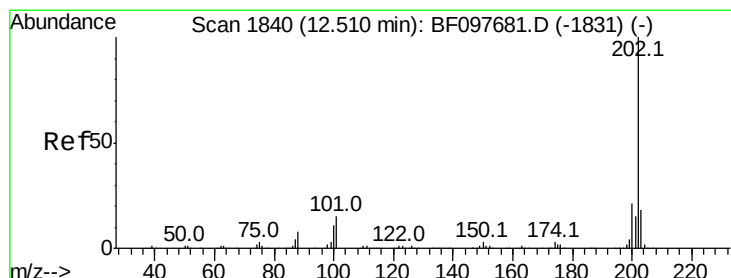
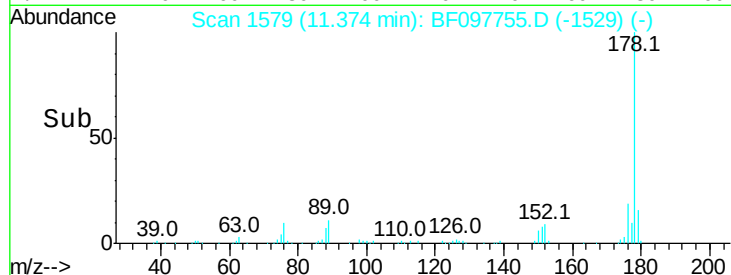
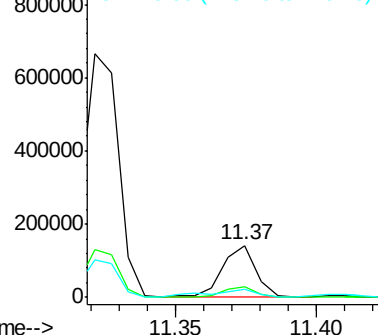
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 25.170 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097755.D

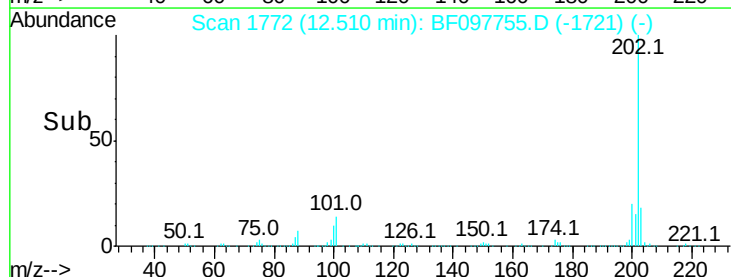
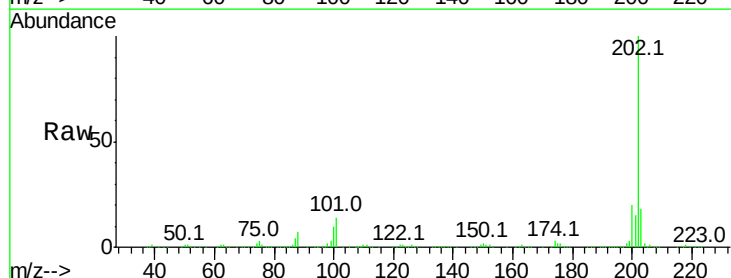
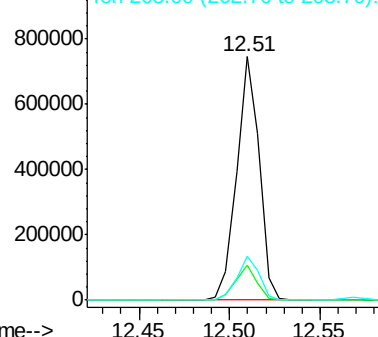
Acq: 16 Aug 2017 22:54

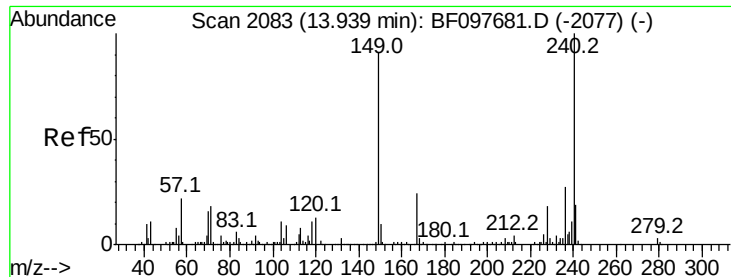
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	18.0	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Instrument :

BNA_F

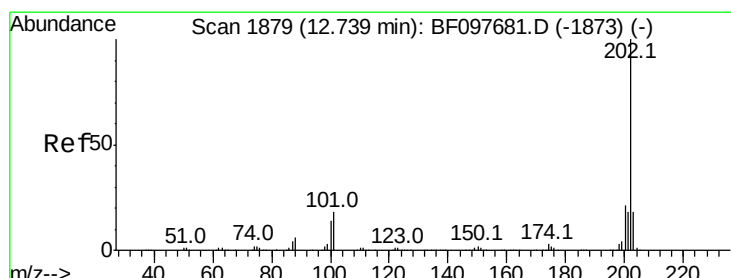
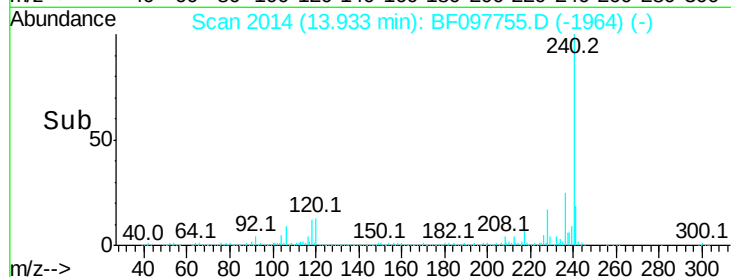
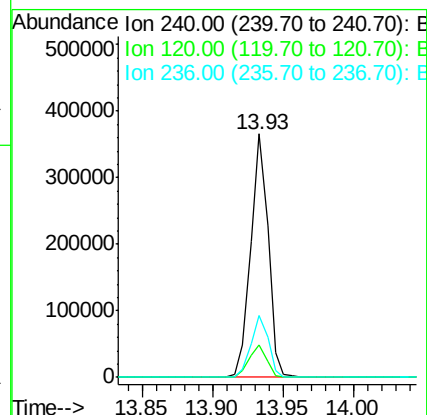
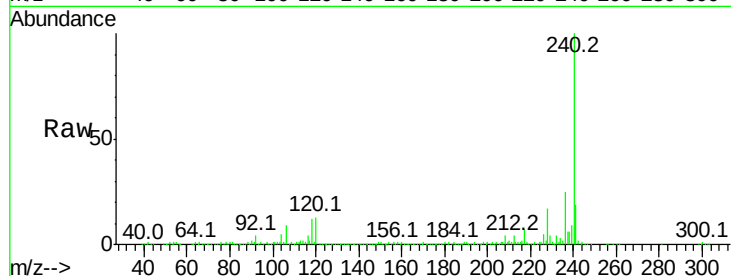
ClientSampled :

S11-WC-5

Tot Ion:	240	Resp:	318527
Ion Ratio	Lower	Upper	
240	100		
120	13.3	5.8	8.8#
236	25.4	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 23.103 ng

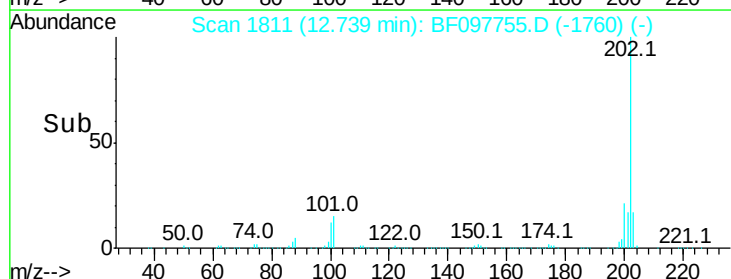
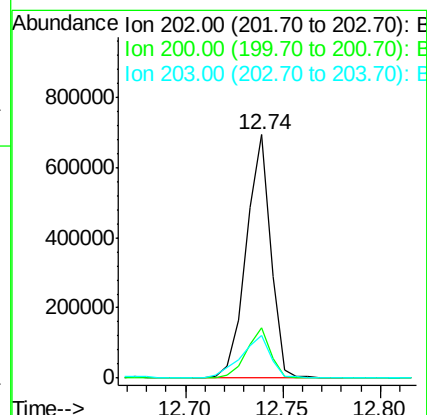
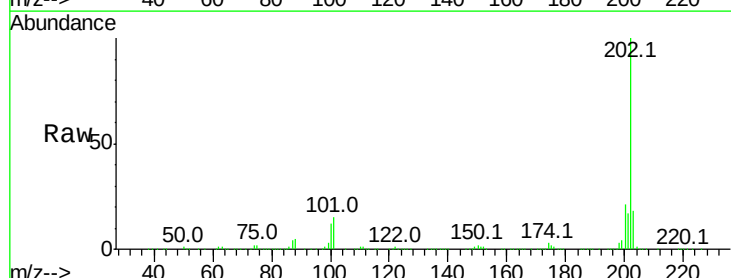
RT: 12.74 min Scan# 1811

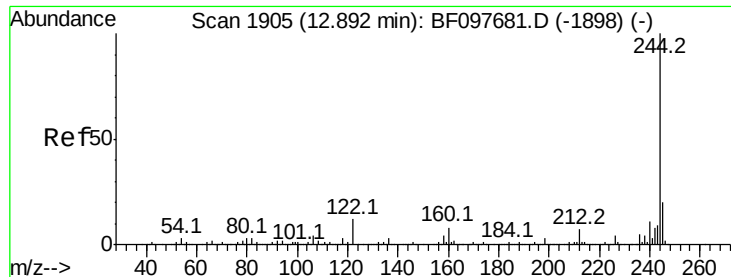
Delta R.T. 0.00 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Tgt Ion:	202	Resp:	601883
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.6	26.4
203	17.6	14.4	21.6





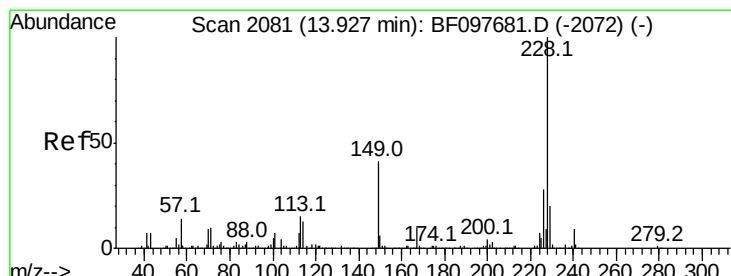
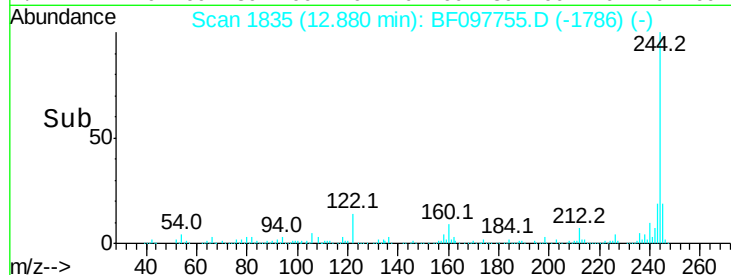
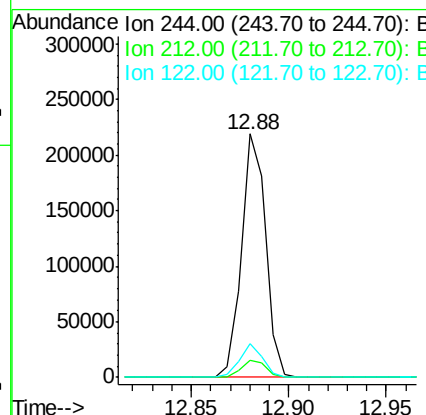
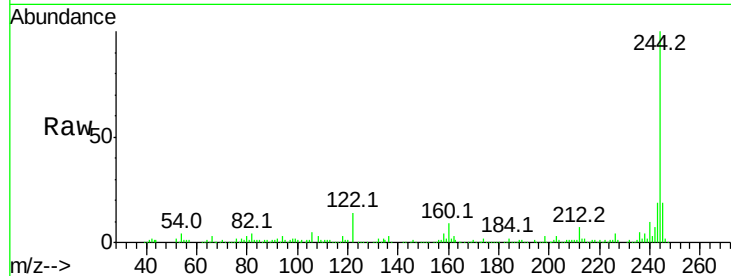
#78
 Terphenyl-d14
 Concen: 12.272 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF097755.D
 Acq: 16 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.7	10.3	15.5

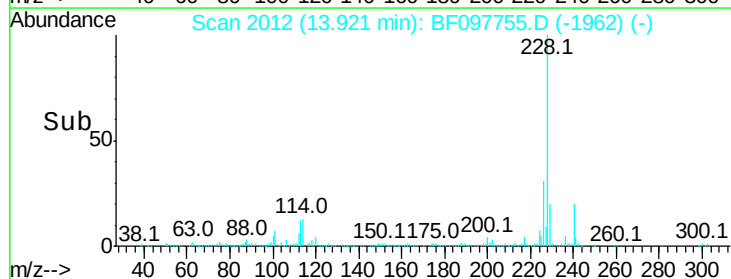
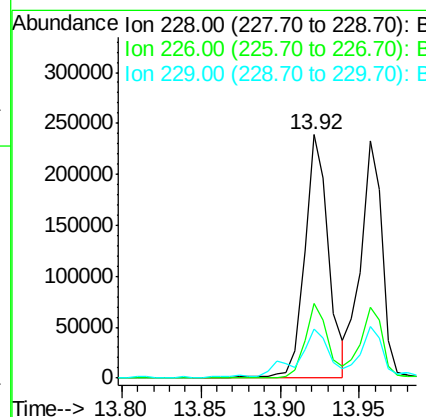
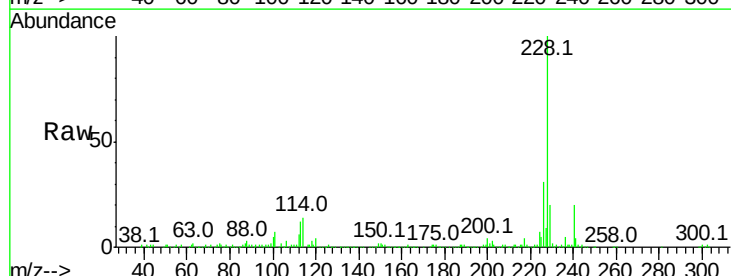
Manual Integrations
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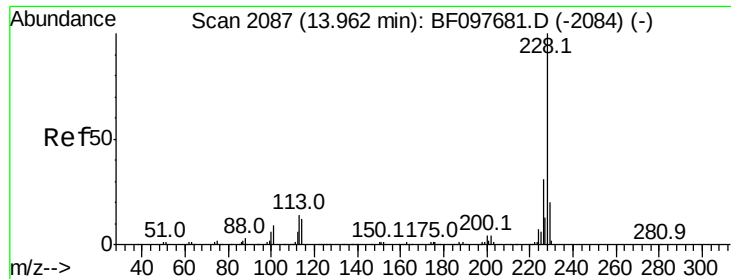
Sohil
 8/17/2017 5:57:57 PM



#80
 Benzo(a)anthracene
 Concen: 12.947 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF097755.D
 Acq: 16 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	20.4	16.3	24.5





#82

Chrysene

Concen: 11.635 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Instrument :

BNA_F

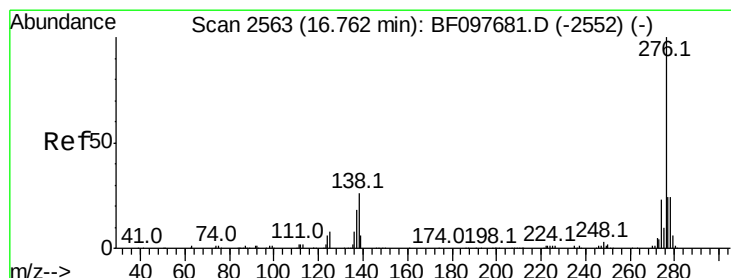
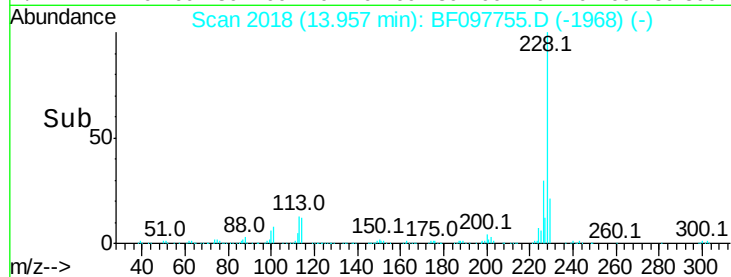
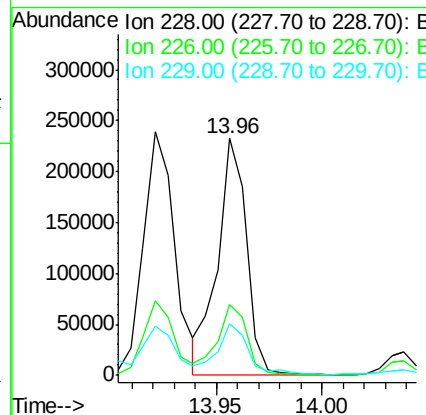
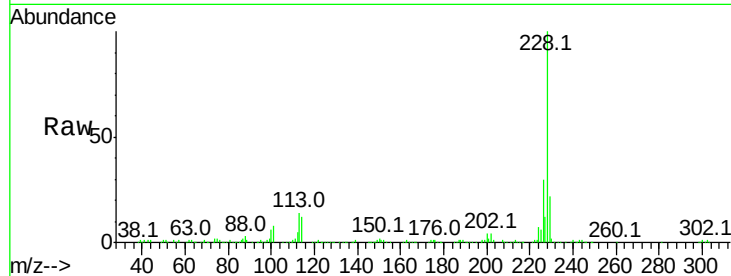
ClientSampleId :

S11-WC-5

Tot Ion:	228	Resp:	220954
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	22.0	15.8	23.6

Manual Integrations
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Sohil
8/17/2017 5:57:57 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.597 ng m

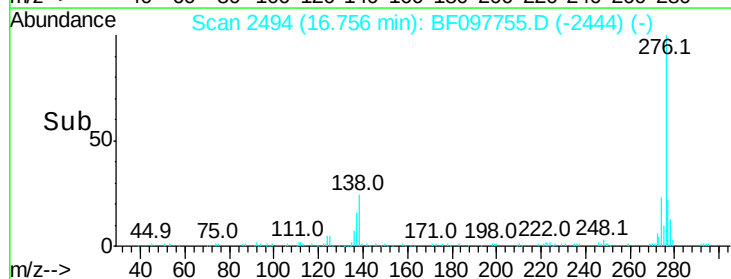
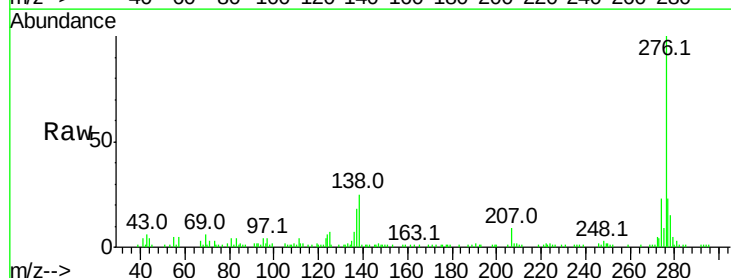
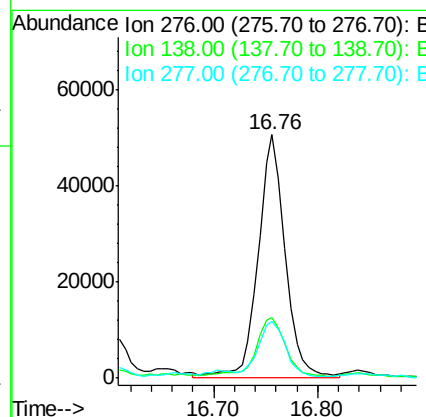
RT: 16.76 min Scan# 2494

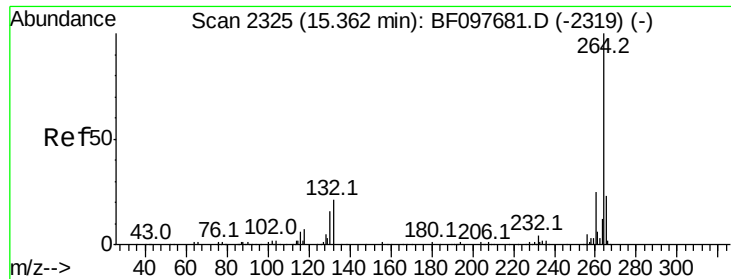
Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Tgt Ion:	276	Resp:	92164
Ion Ratio	Lower	Upper	
276	100		
138	6.8	27.8	41.6#
277	4.1	20.2	30.4#





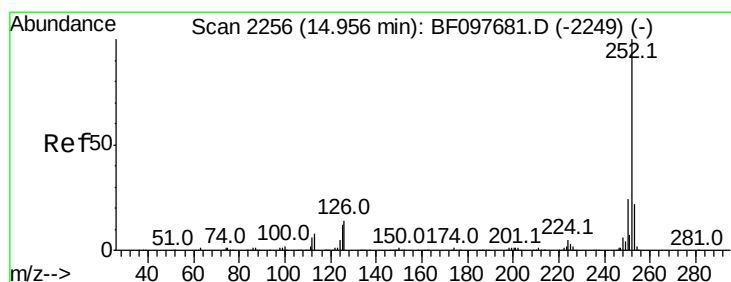
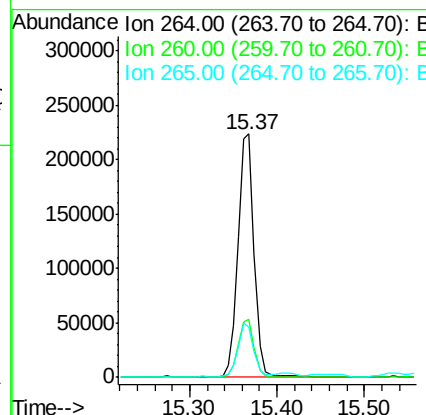
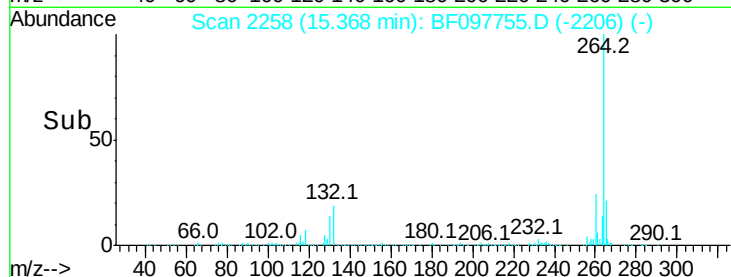
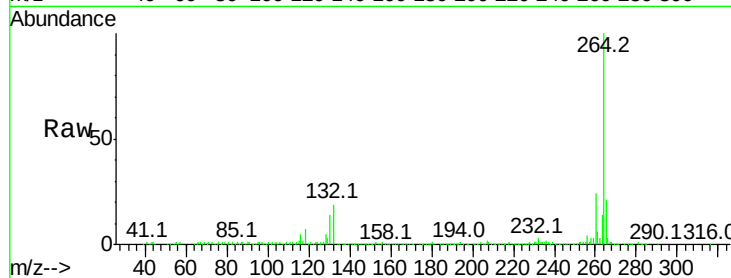
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097755.D
Acq: 16 Aug 2017 22:54

Instrument :
BNA_F
ClientSampleId :
S11-WC-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	20.9	17.2	25.8

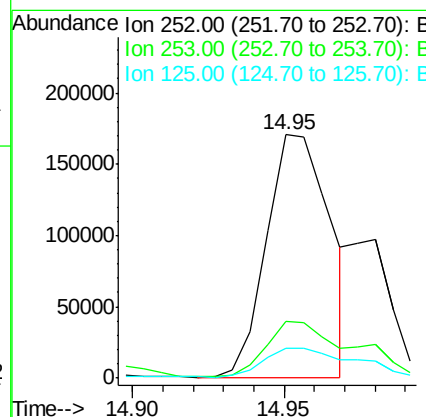
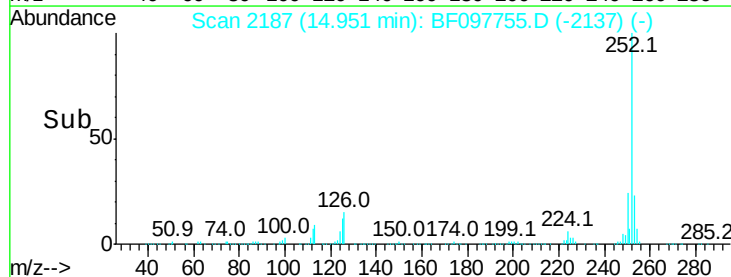
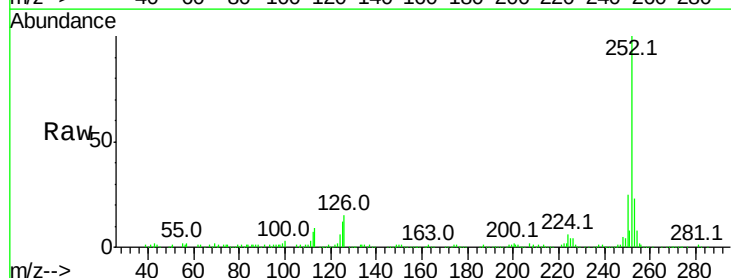
Manual Integrations
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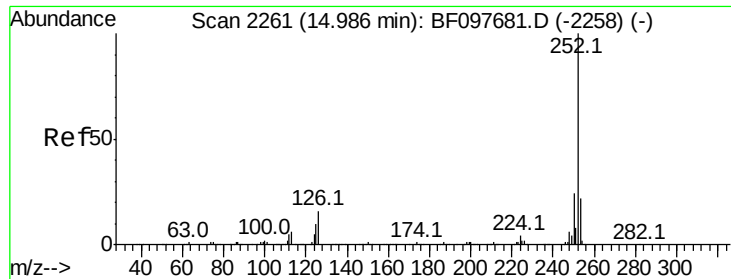
Sohil
8/17/2017 5:57:57 PM



#87
Benzo(b)fluoranthene
Concen: 13.973 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097755.D
Acq: 16 Aug 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 5.544 ng m

RT: 14.98 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Instrument :

BNA_F

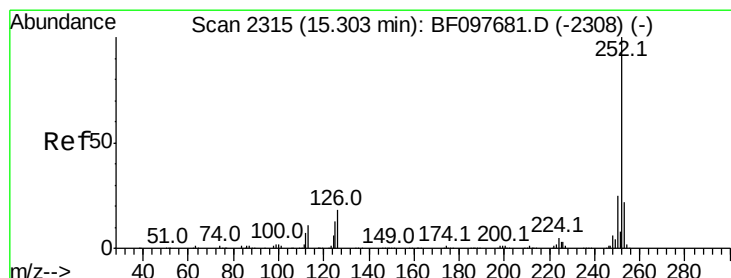
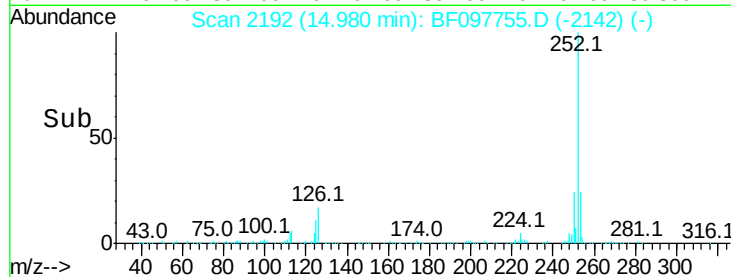
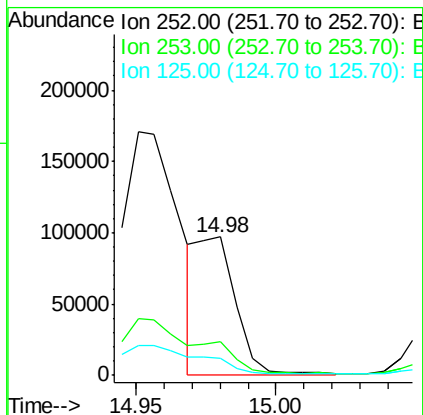
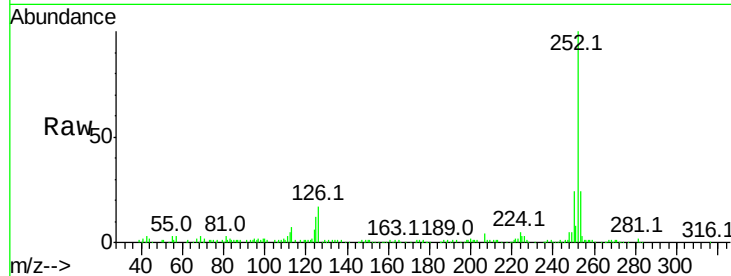
ClientSampleId :

S11-WC-5

Tot Ion:	252	Resp:	92663
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.4	27.6
125	11.9	13.1	19.7

Manual Integrations
APPROVED

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#89

Benzo(a)pyrene

Concen: 11.897 ng

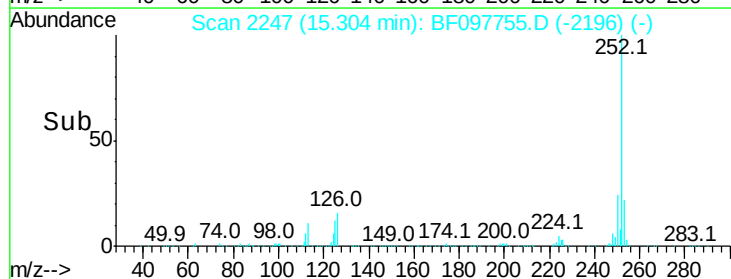
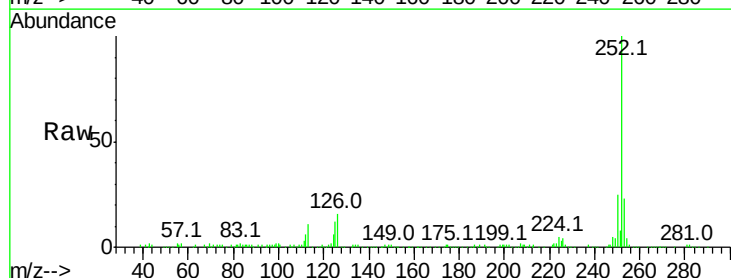
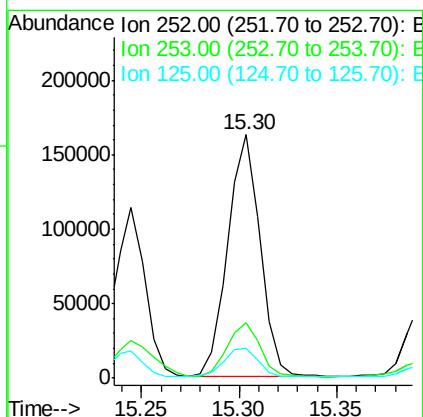
RT: 15.30 min Scan# 2247

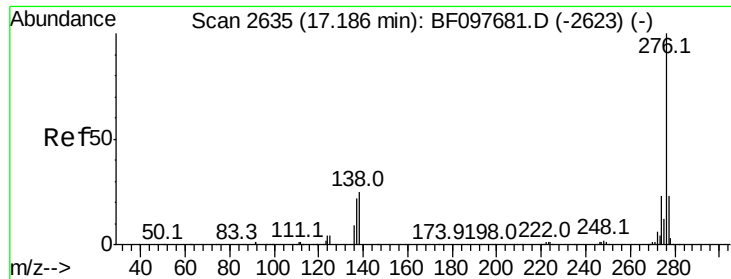
Delta R.T. 0.00 min

Lab File: BF097755.D

Acq: 16 Aug 2017 22:54

Tgt Ion:	252	Resp:	187374
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	12.3	11.0	16.4





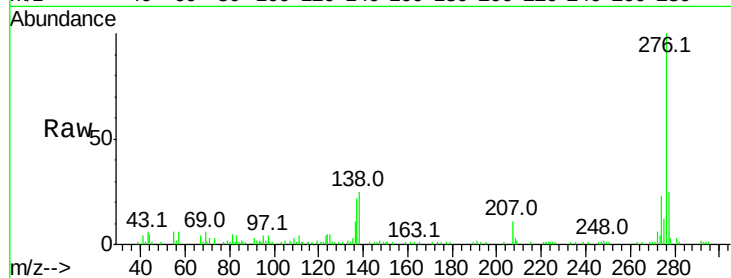
#91
 Benzo(a,h,i)perylene
 Concen: 6.257 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. -0.01 min
 Lab File: BF097755.D
 Acq: 16 Aug 2017 22:54

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-5

Tot Ion:	276	Resp:	83704
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	24.9	25.4	38.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

