

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097743.D
 Acq On : 16 Aug 2017 17:15
 Operator : SJ/JU
 Sample : I4739-02 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-2

Manual Integrations
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Quant Time: Aug 17 02:26:25 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	147400	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	590634	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	261102	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	488075	20.00	ng	0.00
75) Chrysene-d12	13.93	240	313767	20.00	ng	-0.01
86) Perylene-d12	15.36	264	273754	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	171997	17.75	ng	-0.01
7) Phenol-d6	6.39	99	237691	18.05	ng	-0.02
23) Nitrobenzene-d5	7.33	82	140751	12.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	41781	18.44	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	217102	12.22	ng	-0.01
78) Terphenyl-d14	12.88	244	174495	11.60	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	171509	6.594	ng	98
74) Fluoranthene	12.50	202	345150	12.714	ng	97
77) Pyrene	12.73	202	336248	13.103	ng	97
80) Benzo(a)anthracene	13.92	228	132069	7.023	ng	98
82) Chrysene	13.95	228	120632	6.449	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	69550	5.054	ng	# 90
87) Benzo(b)fluoranthene	14.94	252	133252m	7.722	ng	
88) Benzo(k)fluoranthene	14.97	252	52166m	3.218	ng	
89) Benzo(a)pyrene	15.30	252	105721	6.921	ng	99
91) Benzo(g,h,i)perylene	17.16	276	69179	5.331	ng	94

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

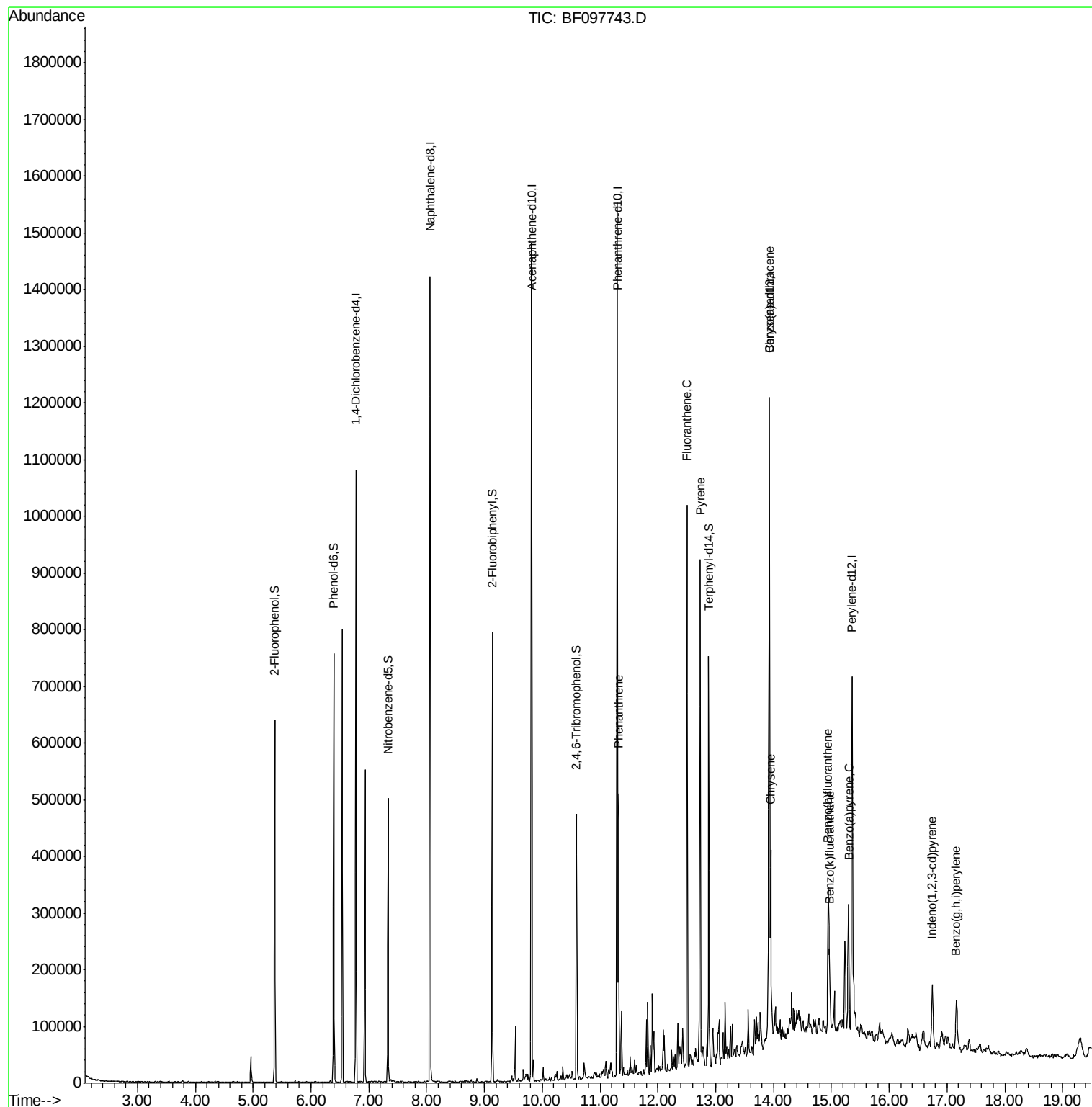
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097743.D
Acq On : 16 Aug 2017 17:15
Operator : SJ/JU
Sample : I4739-02 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

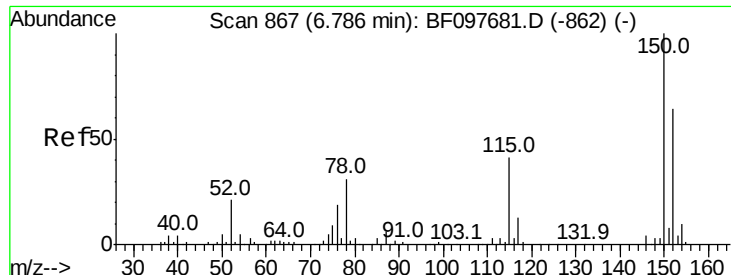
Instrument :
BNA_F
ClientSampleId :
S11-WC-2

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Quant Time: Aug 17 02:26:25 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





#1

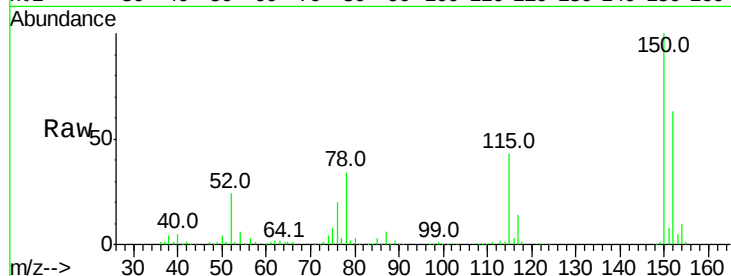
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

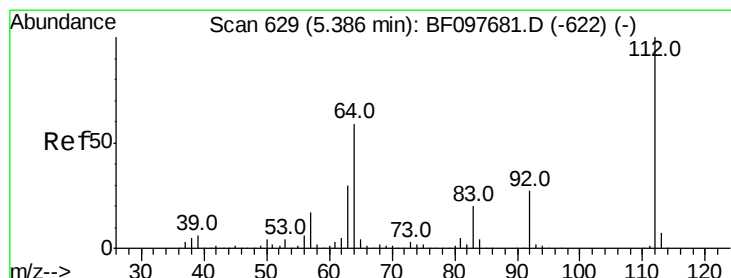
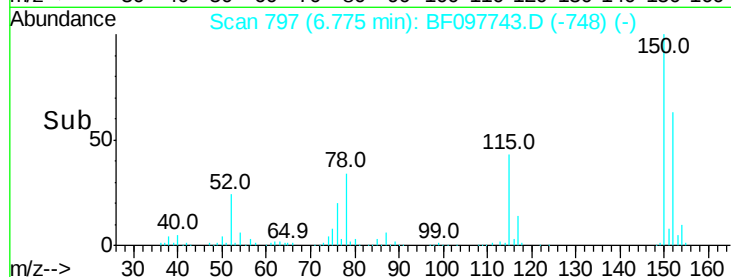
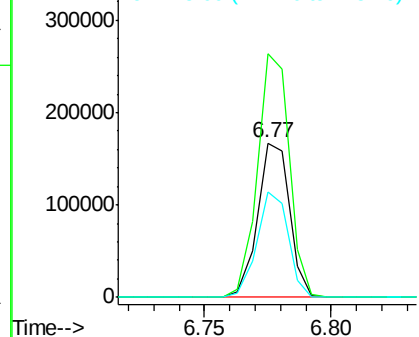
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	68.4	52.2	78.2

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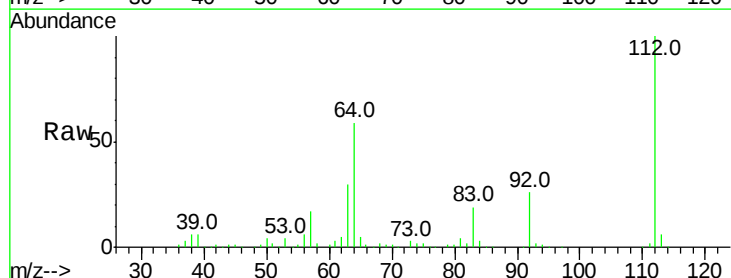
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



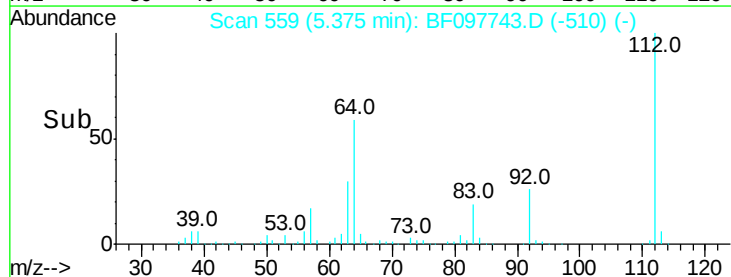
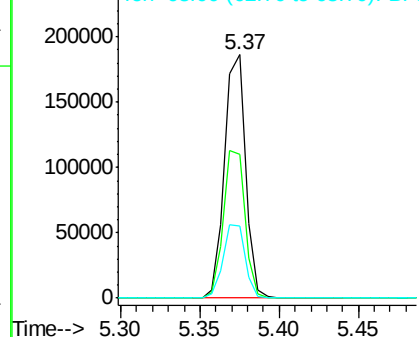
#5

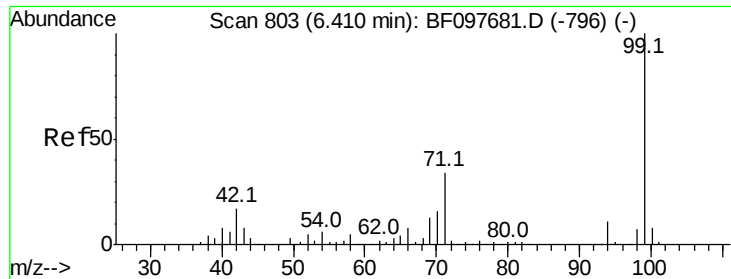
2-Fluorophenol
Concen: 17.749 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.0	69.0
63	29.5	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: 18.053 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

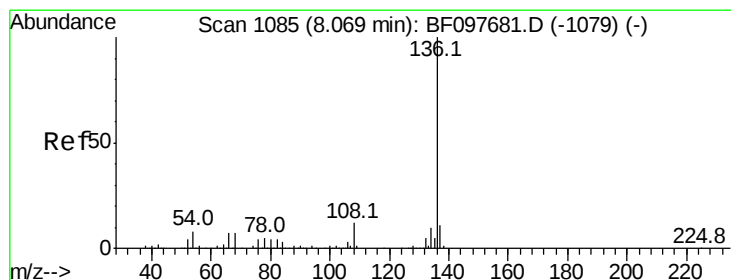
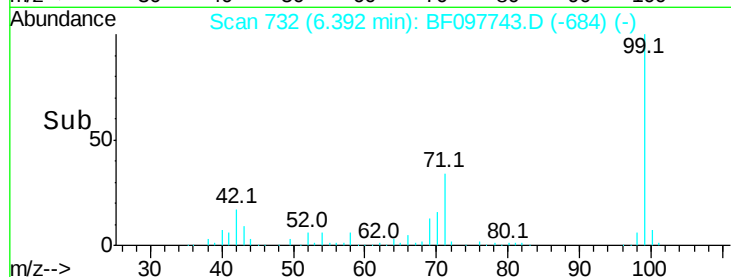
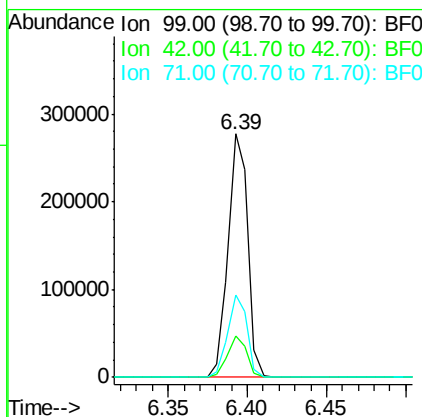
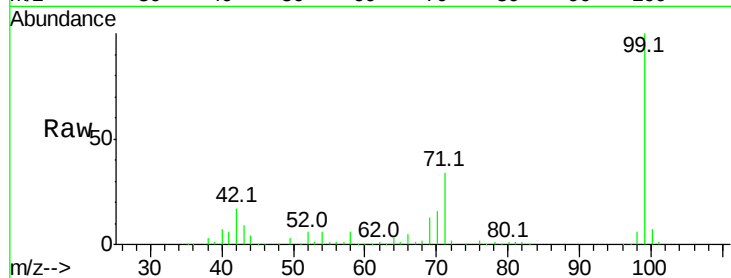
ClientSampleId :

S11-WC-2

Tot Ion	Ratio	Resp	Lower	Upper
99	100	237691		
42	17.0	13.5	20.3	
71	33.8	24.5	36.7	

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#21

Naphthalene-d8

Concen: 20.000 ng

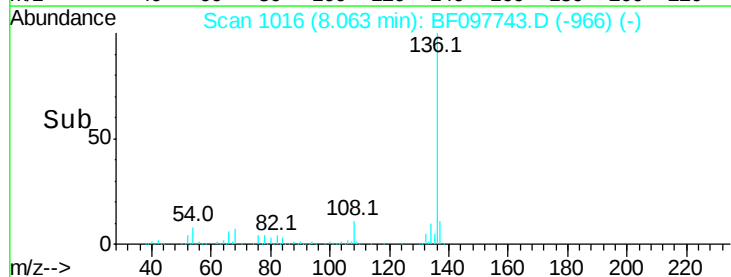
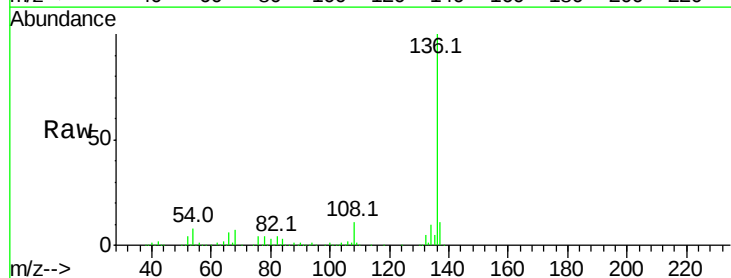
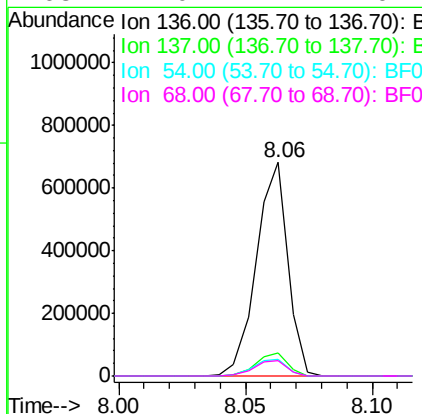
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	590634		
137	10.9	8.5	12.7	
54	7.6	4.9	7.3#	
68	7.0	4.1	6.1#	





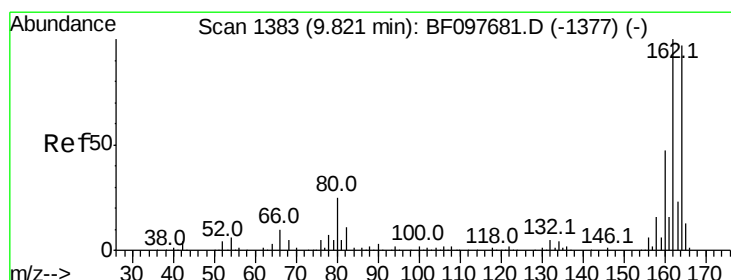
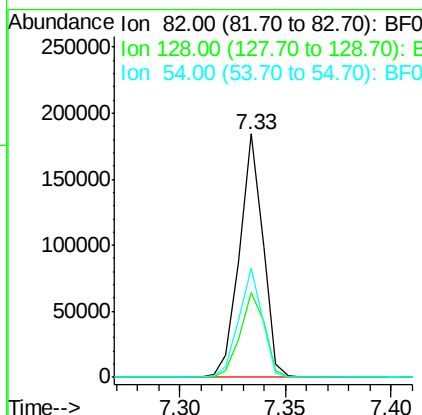
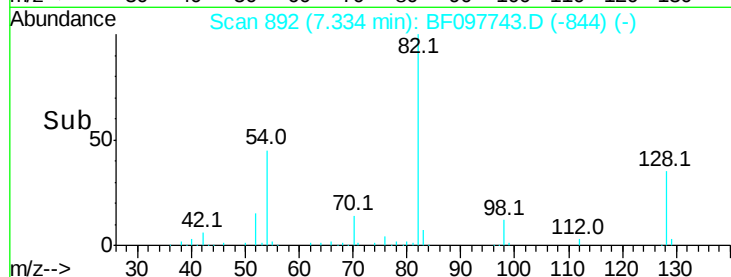
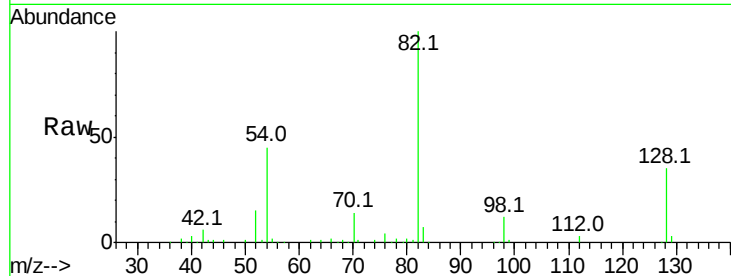
#23
 Nitrobenzene-d5
 Concen: 12.946 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097743.D
 Acq: 16 Aug 2017 17:15

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-2

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.0	34.0	51.0	
54	44.7	42.2	63.2	

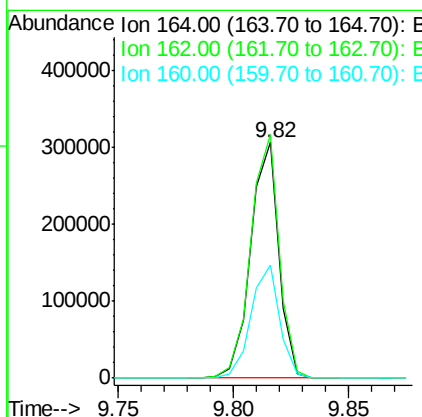
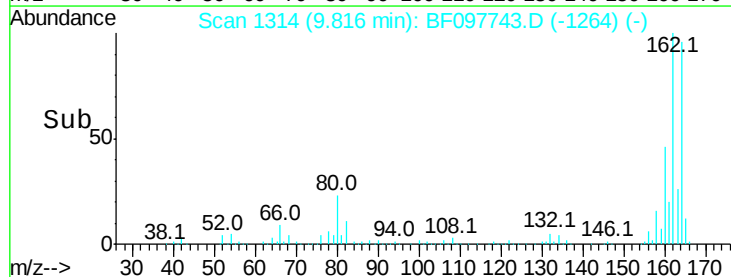
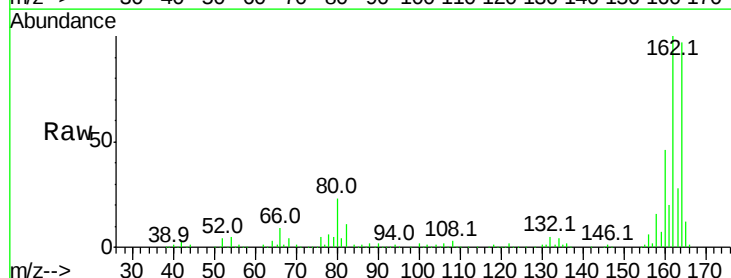
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097743.D
 Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.3	82.6	123.8	
160	47.9	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 18.442 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

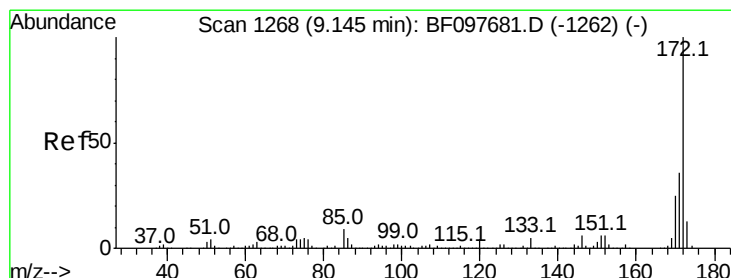
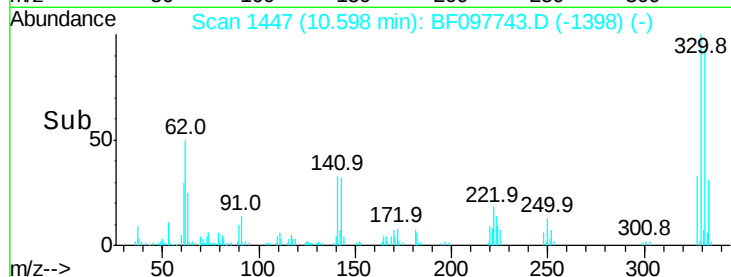
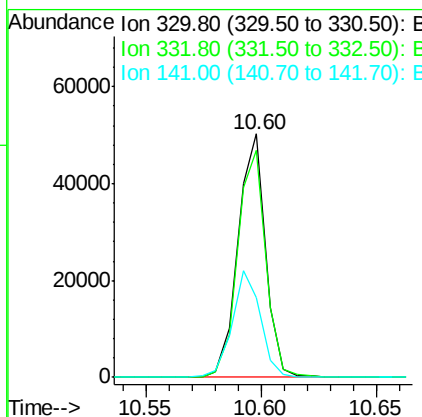
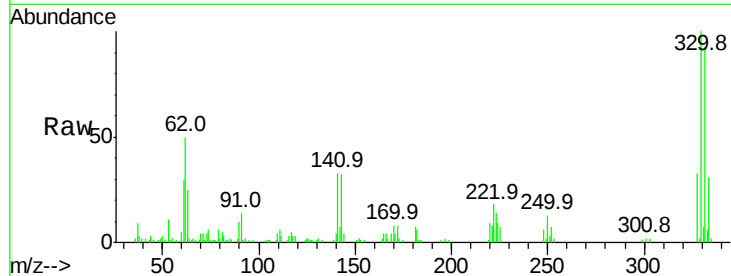
ClientSampleId :

S11-WC-2

Tot Ion:	330	Resp:	41781
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.6	115.0
141	44.6	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 12.216 ng

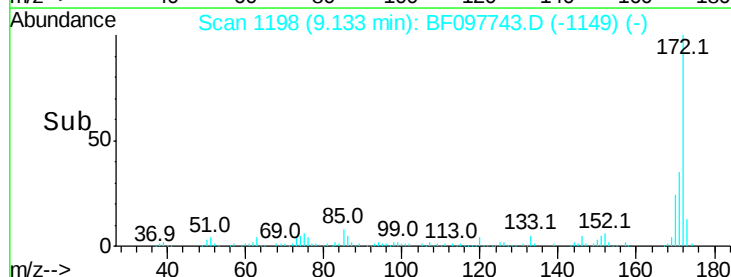
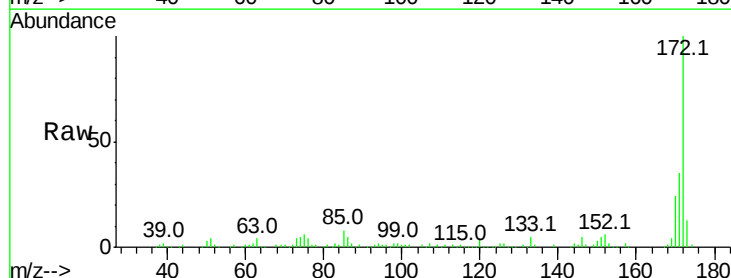
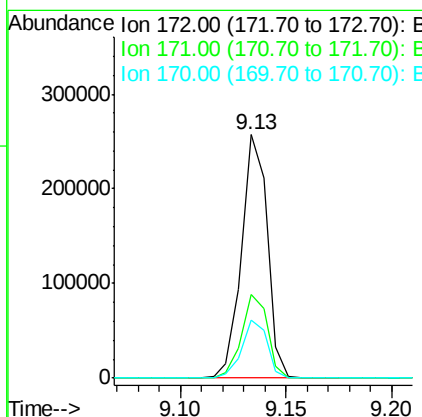
RT: 9.13 min Scan# 1198

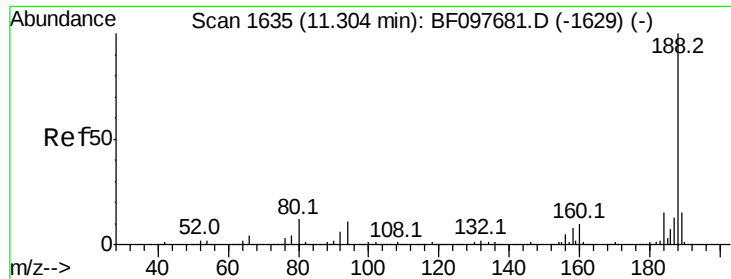
Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Tgt Ion:	172	Resp:	217102
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.6	44.4
170	23.6	19.8	29.8





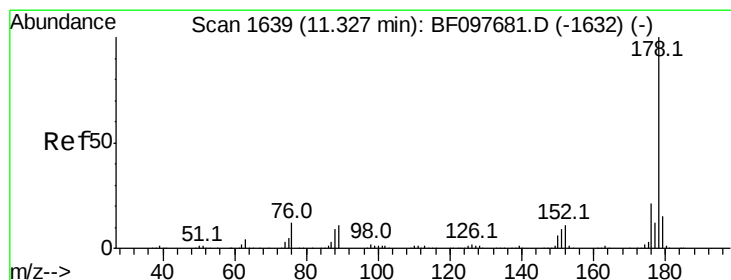
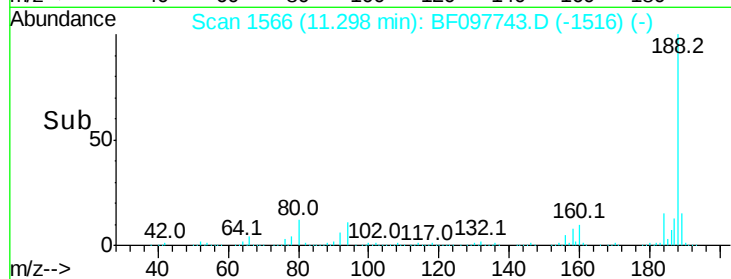
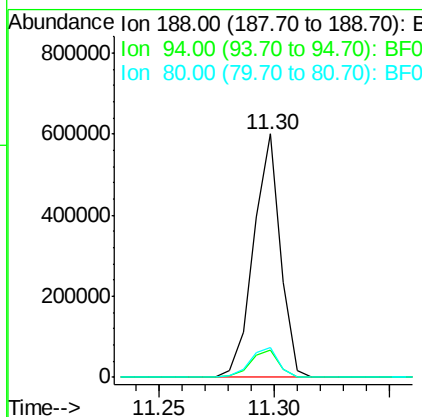
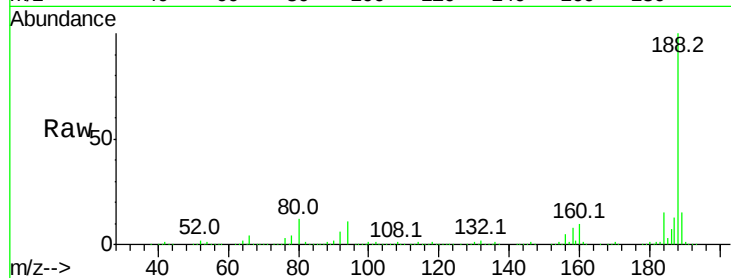
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.4	9.4	14.2
80	12.3	10.2	15.2

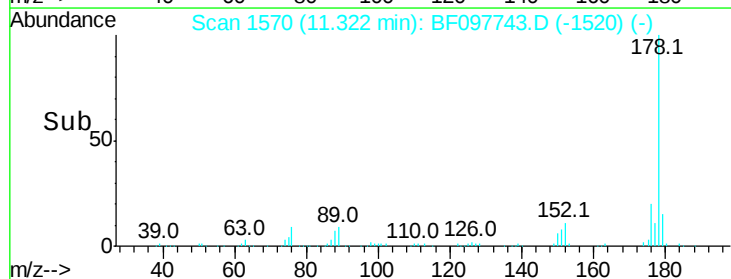
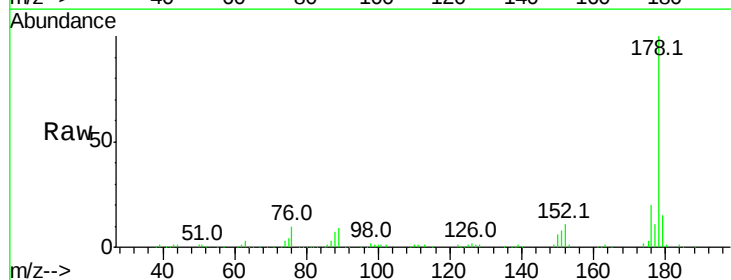
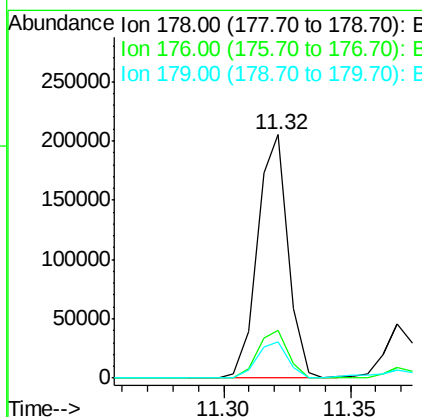
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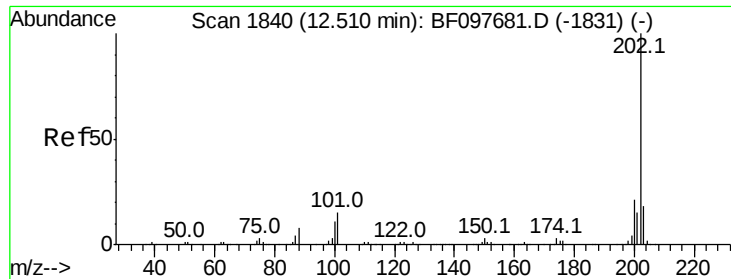
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#70
Phenanthrene
Concen: 6.594 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.2	24.4
179	14.9	12.6	19.0





#74

Fluoranthene

Concen: 12.714 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

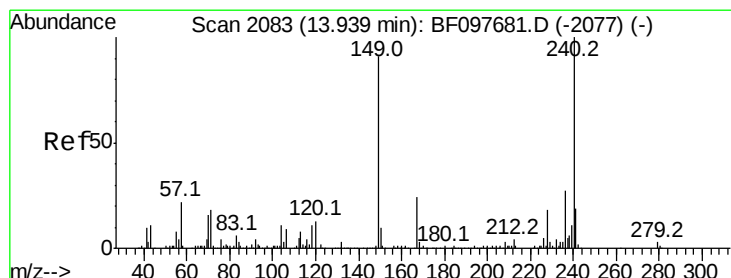
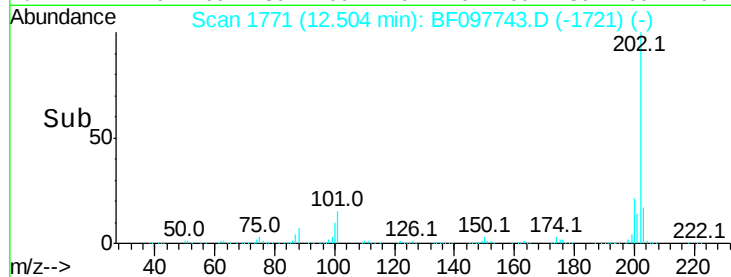
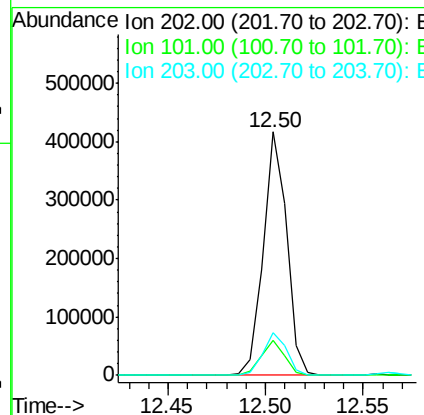
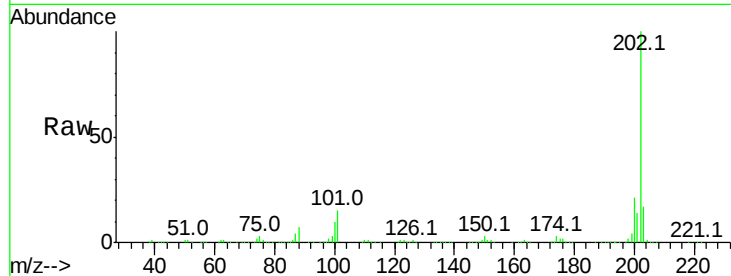
ClientSampled :

S11-WC-2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	345150		
101	14.6	0.0	33.2	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

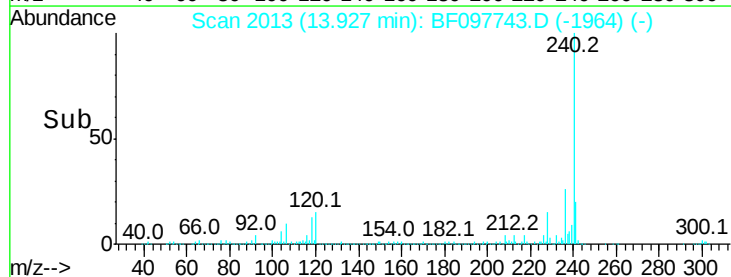
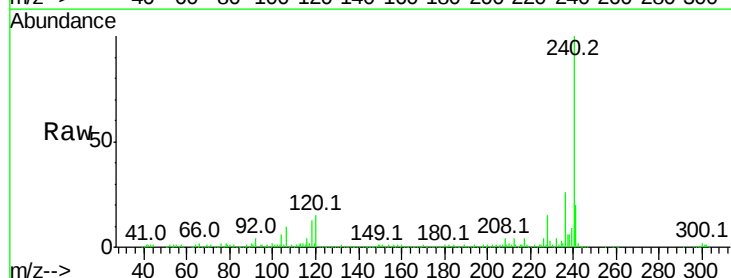
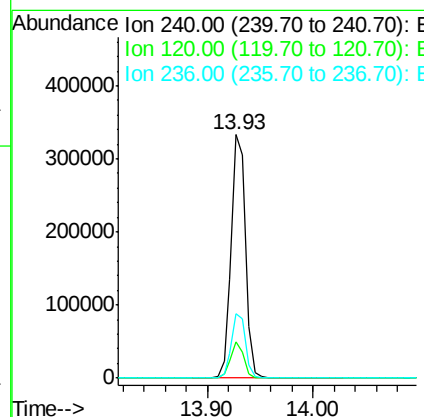
RT: 13.93 min Scan# 2013

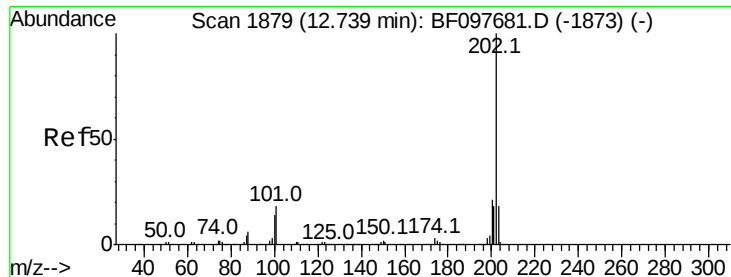
Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	313767		
120	14.9	5.8	8.8#	
236	26.4	20.5	30.7	





#77

Pvrene

Concen: 13.103 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Instrument :

BNA_F

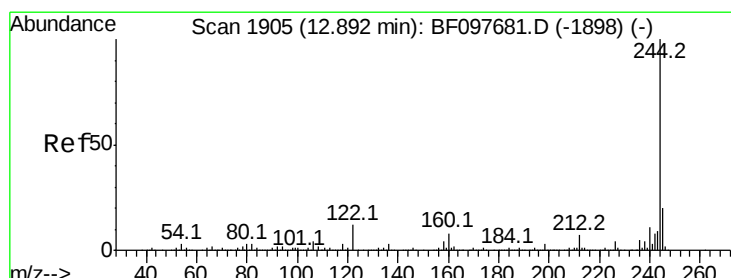
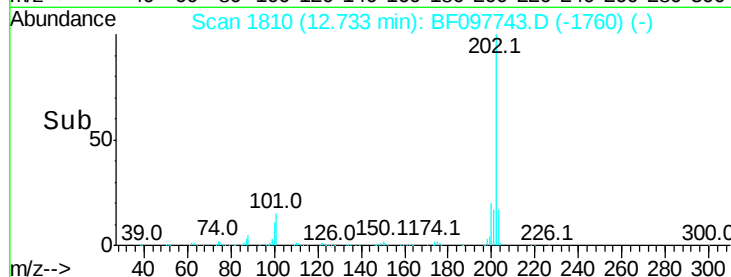
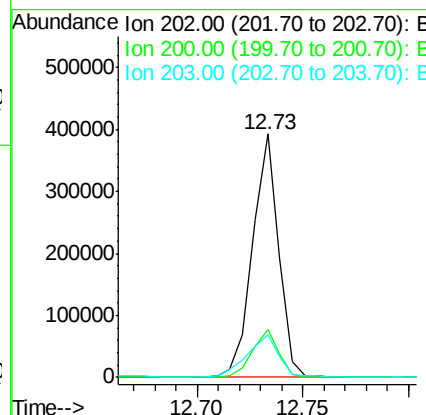
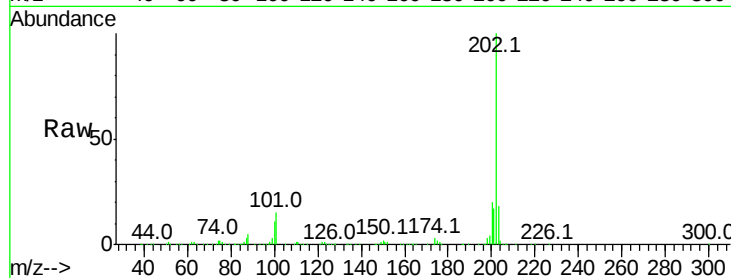
ClientSampled :

S11-WC-2

Tot Ion:	202	Resp:	336248
Ion Ratio	Lower	Upper	
202	100		
200	19.7	17.6	26.4
203	17.7	14.4	21.6

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#78

Terphenyl-d14

Concen: 11.597 ng

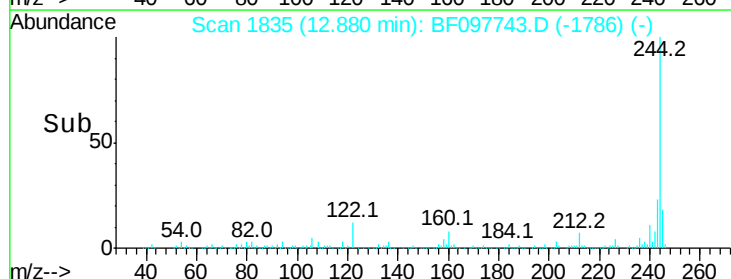
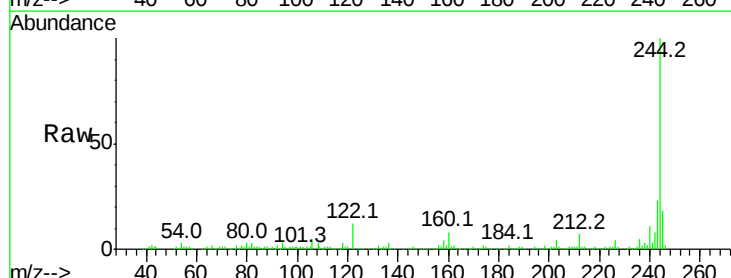
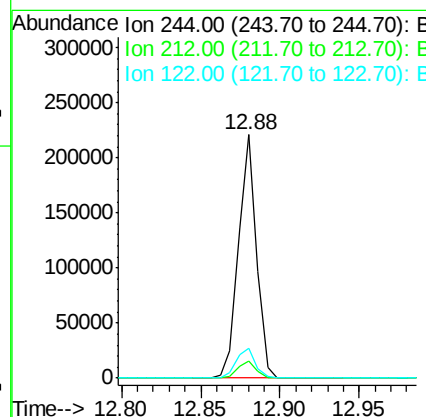
RT: 12.88 min Scan# 1835

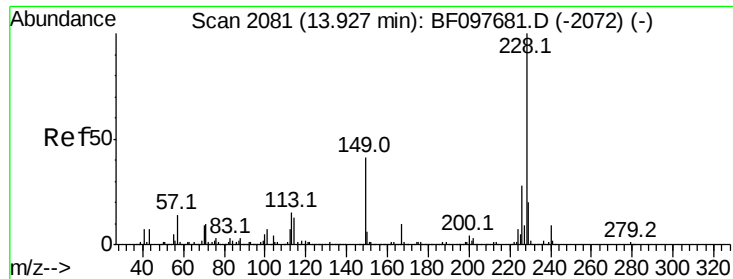
Delta R.T. -0.01 min

Lab File: BF097743.D

Acq: 16 Aug 2017 17:15

Tgt Ion:	244	Resp:	174495
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	12.2	10.3	15.5





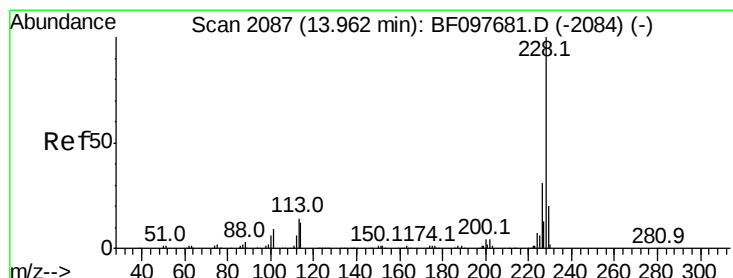
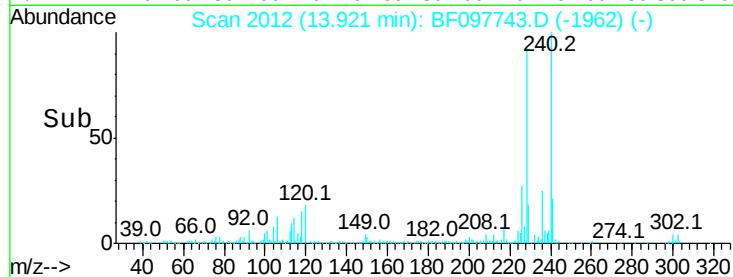
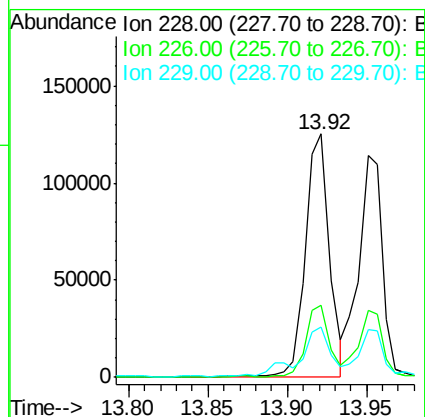
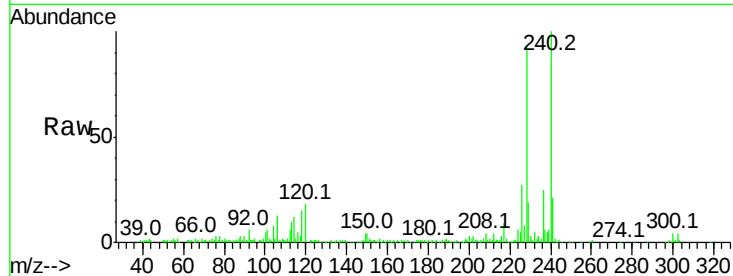
#80
Benzo(a)anthracene
Concen: 7.023 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

Tot Ion:	228	Resp:	132069
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.6	33.8
229	20.8	16.3	24.5

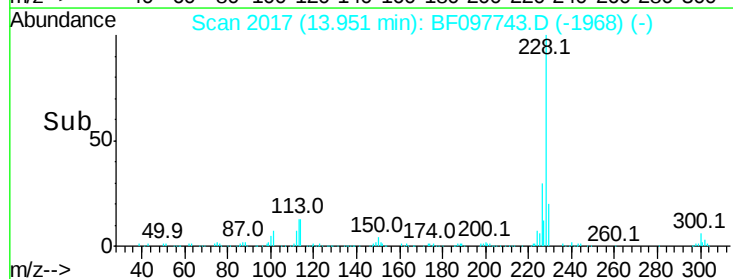
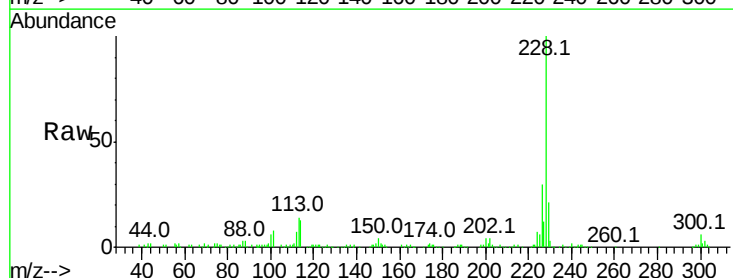
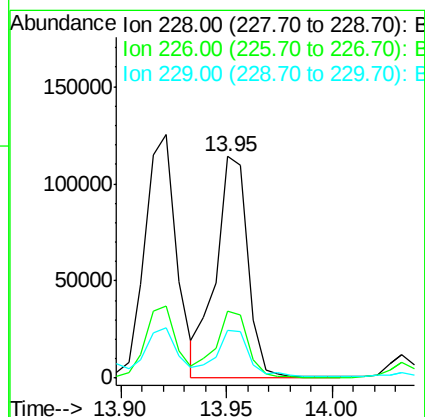
Manual Integrations
APPROVED

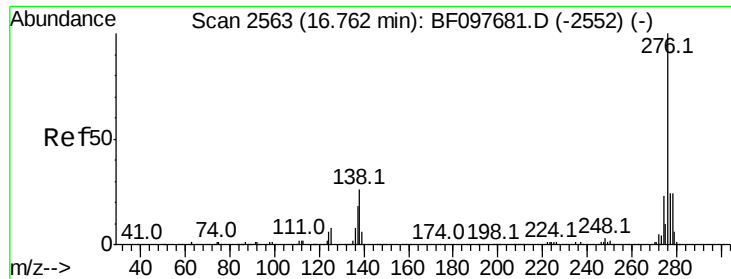
Sohil
8/17/2017 5:57:39 PM



#82
Chrysene
Concen: 6.449 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion:	228	Resp:	120632
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	21.5	15.8	23.6





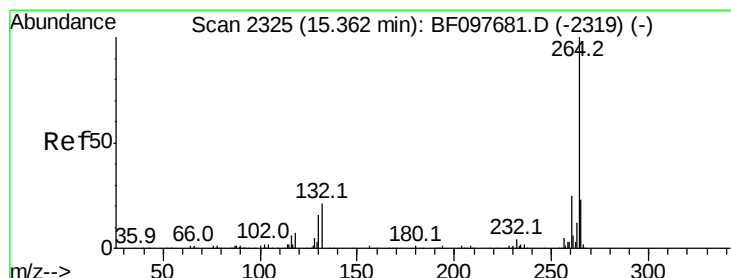
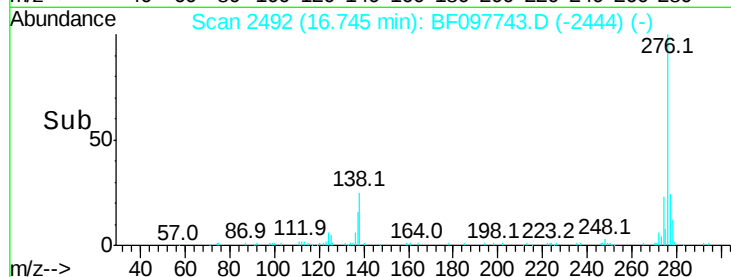
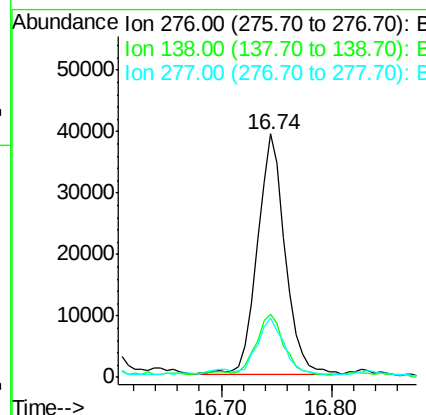
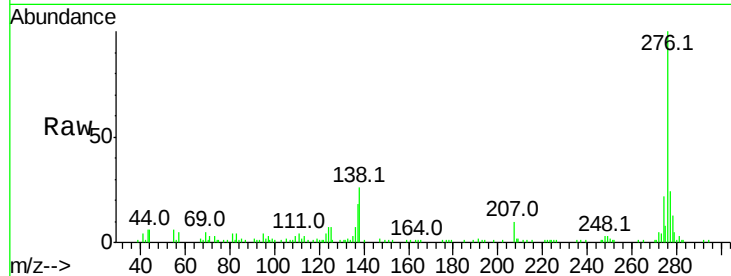
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.054 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampled :
S11-WC-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	27.8	41.6#
277	24.6	20.2	30.4

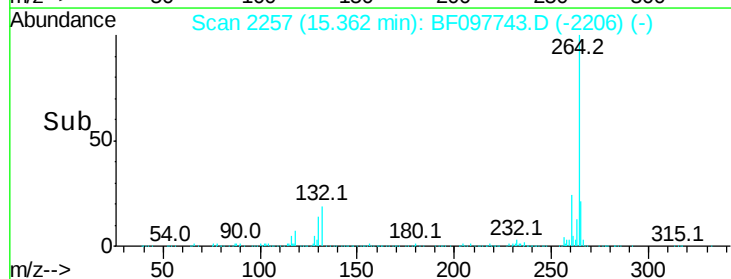
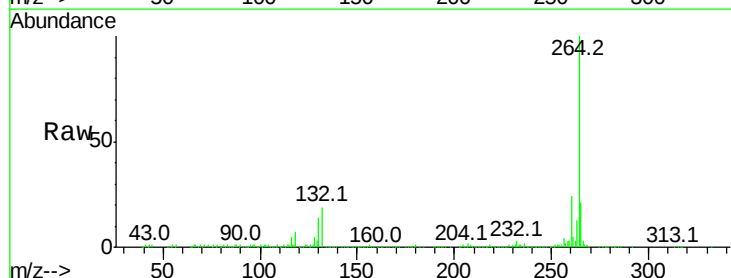
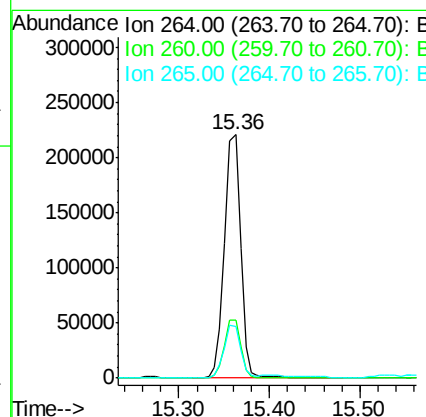
Manual Integrations
APPROVED

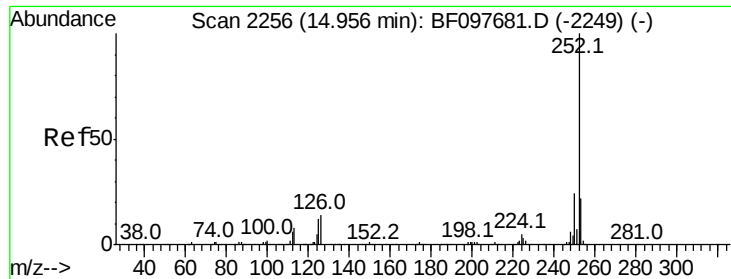
Sohil
8/17/2017 5:57:39 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.2	17.2	25.8





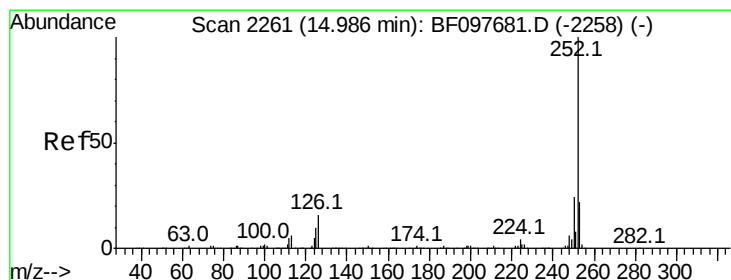
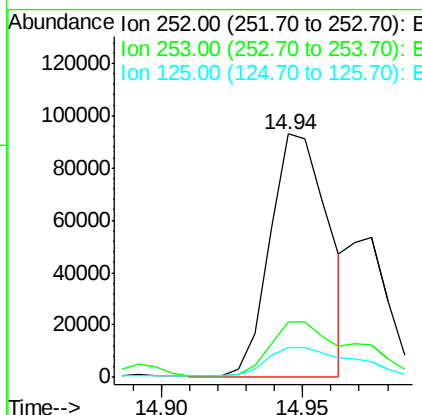
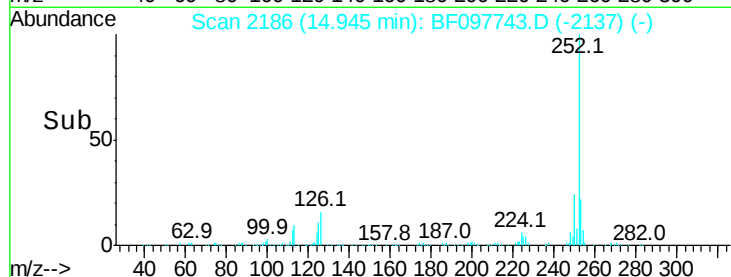
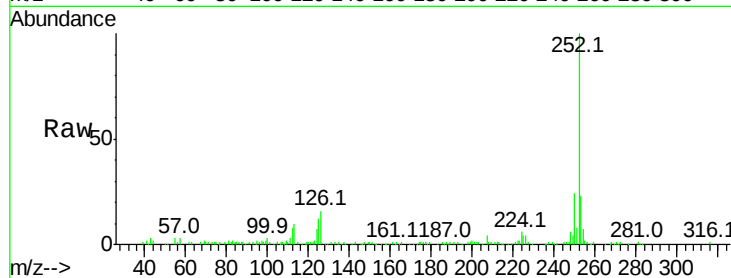
#87
Benzo(b)fluoranthene
Concen: 7.722 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.0	9.8	14.8

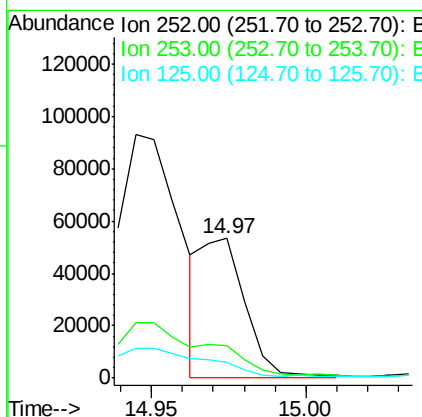
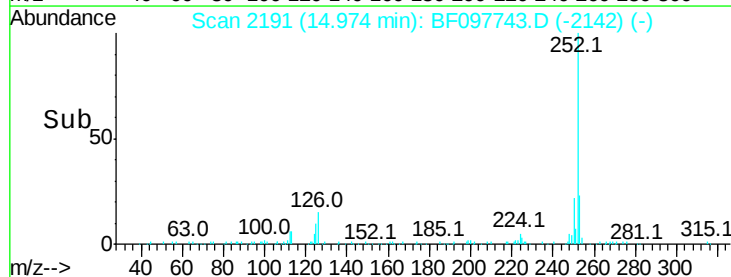
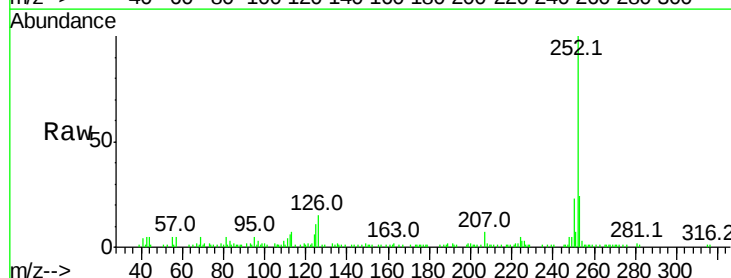
Manual Integrations
APPROVED

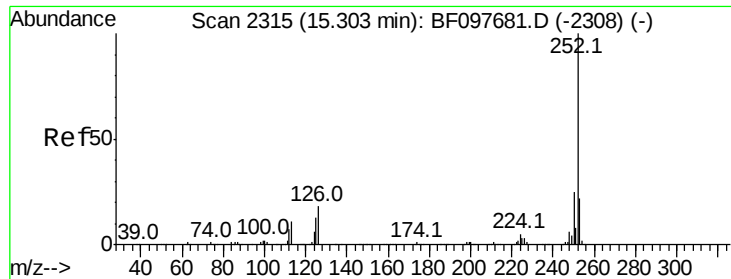
Sohil
8/17/2017 5:57:39 PM



#88
Benzo(k)fluoranthene
Concen: 3.218 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	10.9	13.1	19.7#





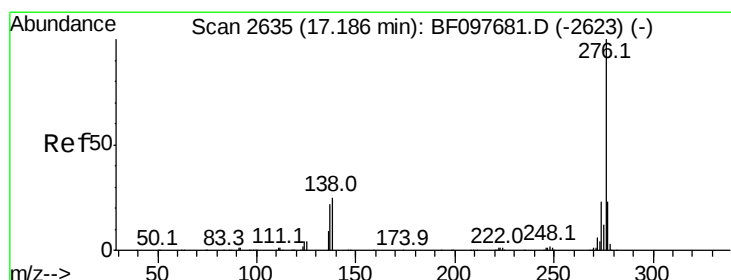
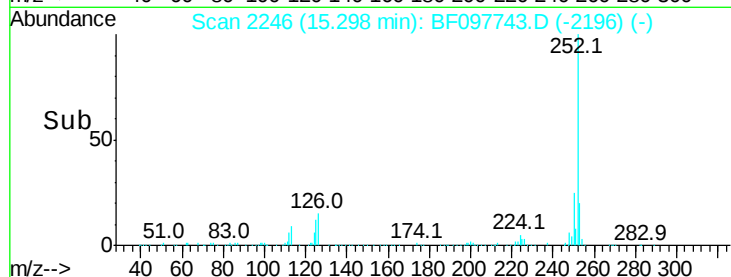
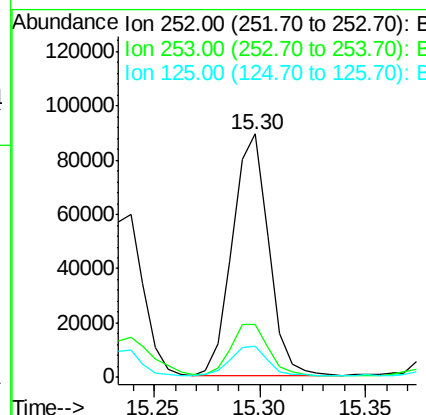
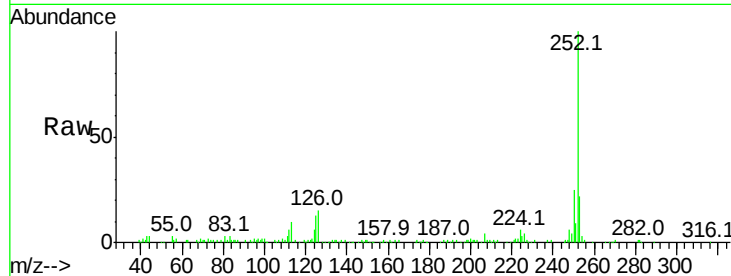
#89
Benzo(a)pyrene
Concen: 6.921 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
S11-WC-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	12.7	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/17/2017 5:57:39 PM



#91
Benzo(g,h,i)perylene
Concen: 5.331 ng
RT: 17.16 min Scan# 2563
Delta R.T. -0.02 min
Lab File: BF097743.D
Acq: 16 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	25.6	25.4	38.0

