

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097744.D
 Acq On : 16 Aug 2017 17:43
 Operator : SJ/JU
 Sample : I4739-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-3

Manual Integrations
 APPROVED

Sohil
 8/17/2017 5:57:40 PM

Quant Time: Aug 17 02:31:32 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	151535	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	596500	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	273547	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	503615	20.00	ng	0.00
75) Chrysene-d12	13.93	240	285818	20.00	ng	-0.01
86) Perylene-d12	15.36	264	272664	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	155969	15.66	ng	-0.01
7) Phenol-d6	6.39	99	216038	15.96	ng	-0.02
23) Nitrobenzene-d5	7.33	82	131382	11.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	37039	15.61	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	202151	10.86	ng	-0.01
78) Terphenyl-d14	12.88	244	144650	10.55	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.32	178	320532	11.944	ng	99
71) Anthracene	11.37	178	69210	2.543	ng	97
74) Fluoranthene	12.50	202	405574	14.479	ng	98
77) Pyrene	12.73	202	371408	15.888	ng	98
80) Benzo(a)anthracene	13.92	228	119770	6.992	ng	98
82) Chrysene	13.95	228	107696m	6.320	ng	
85) Indeno(1,2,3-cd)pyrene	16.74	276	69685	5.559	ng	# 90
87) Benzo(b)fluoranthene	14.94	252	129639m	7.543	ng	
88) Benzo(k)fluoranthene	14.97	252	46429m	2.875	ng	
89) Benzo(a)pyrene	15.30	252	105632	6.943	ng	99
91) Benzo(g,h,i)perylene	17.16	276	65783m	5.090	ng	

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

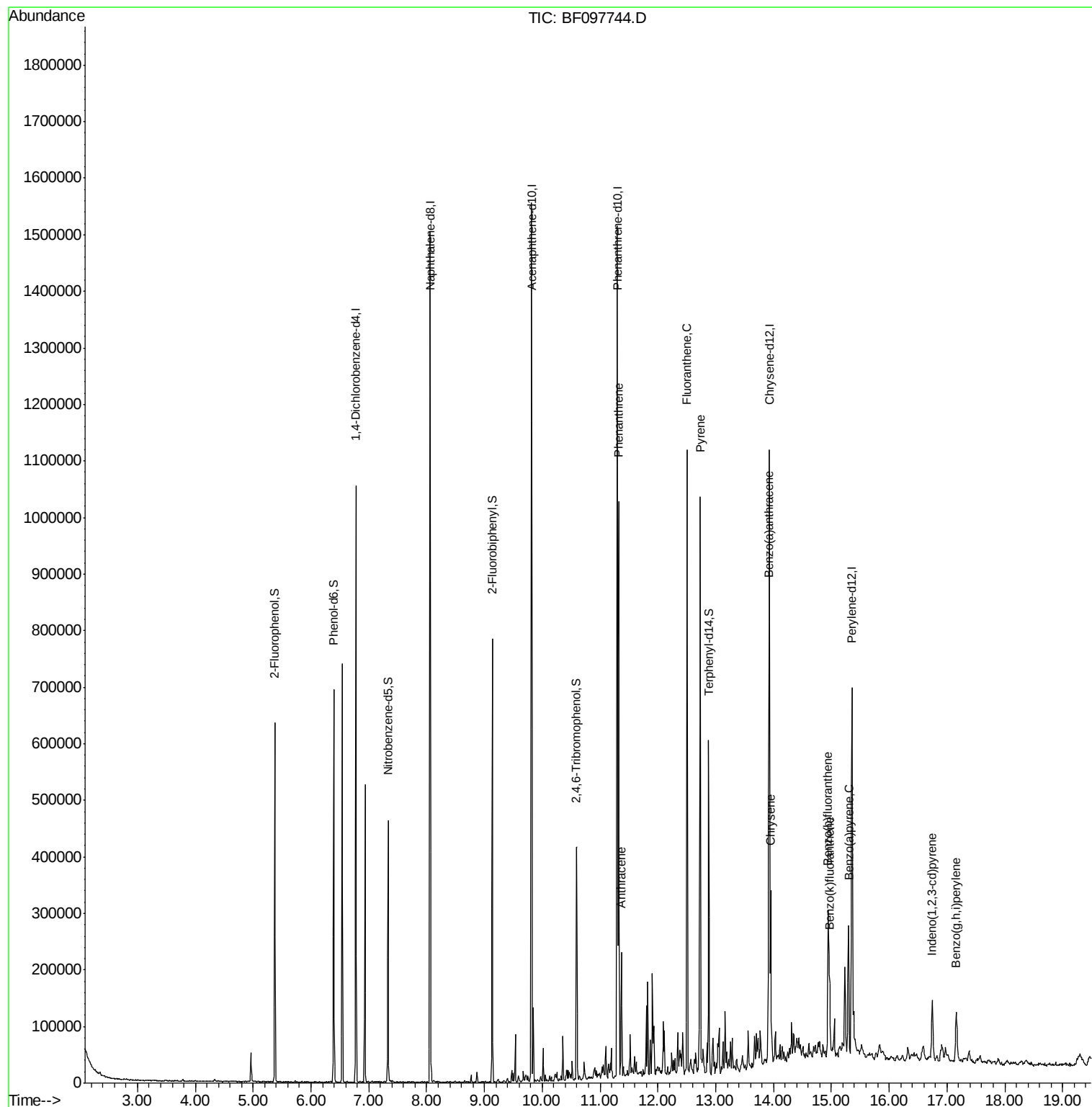
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

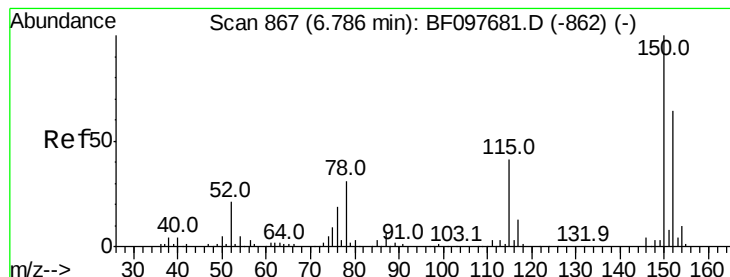
Instrument :
BNA_F
ClientSampleId :
S11-WC-3

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Quant Time: Aug 17 02:31:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

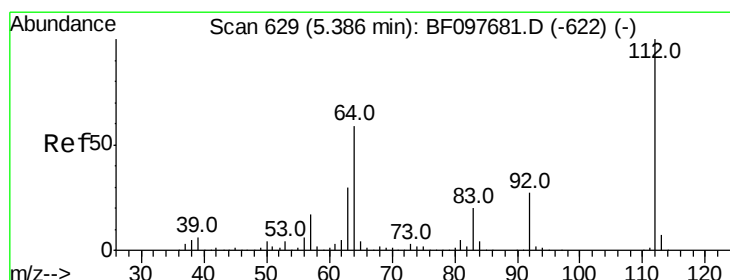
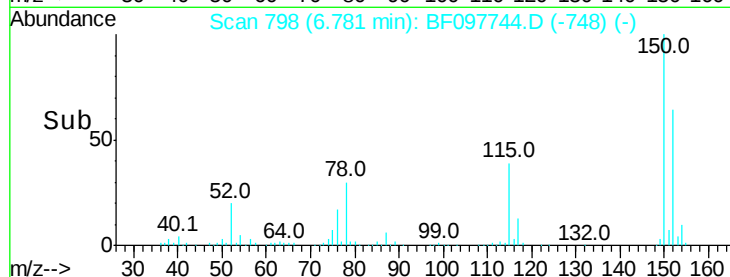
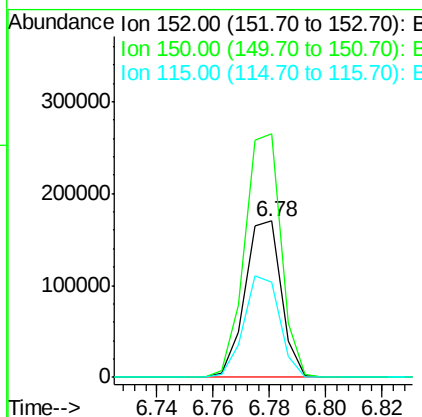
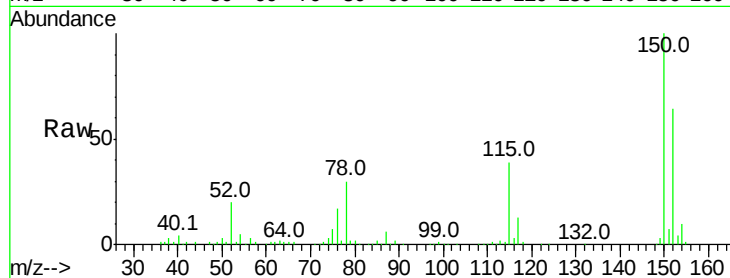
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Instrument :
BNA_F
ClientSampleId :
S11-WC-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	61.1	52.2	78.2

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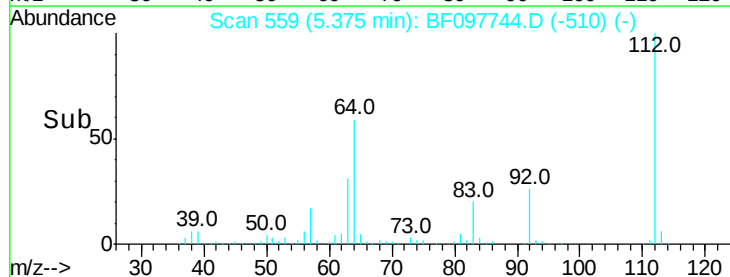
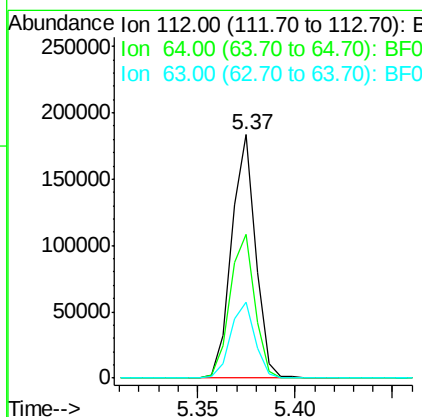
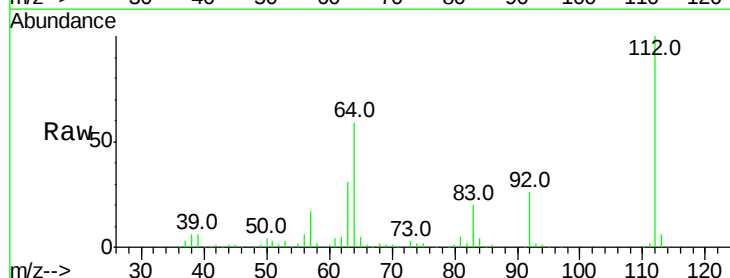
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#5

2-Fluorophenol
Concen: 15.656 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	46.0	69.0
63	31.5	23.4	35.0





#7

Phenol-d6

Concen: 15.960 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Instrument :

BNA_F

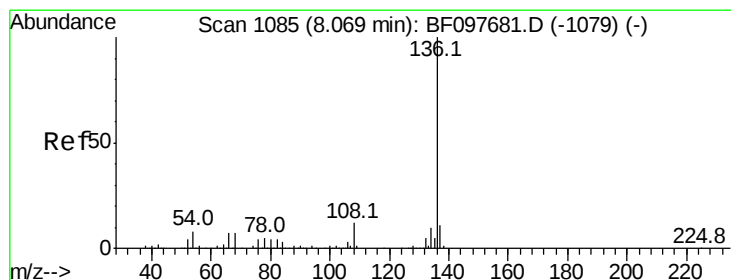
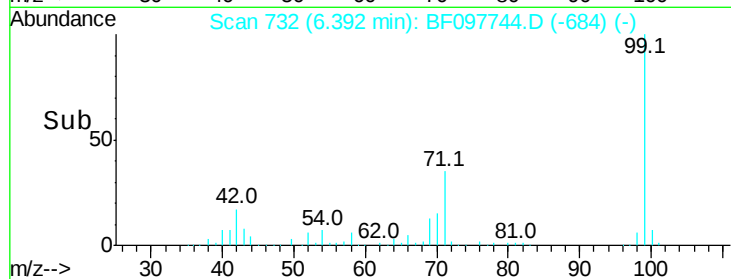
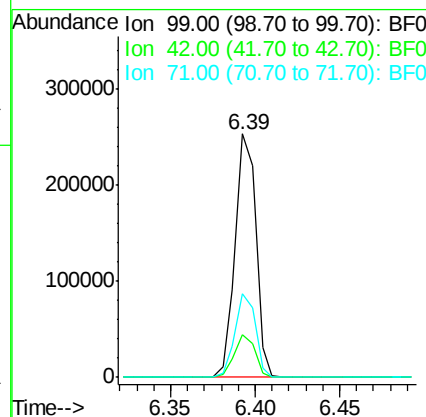
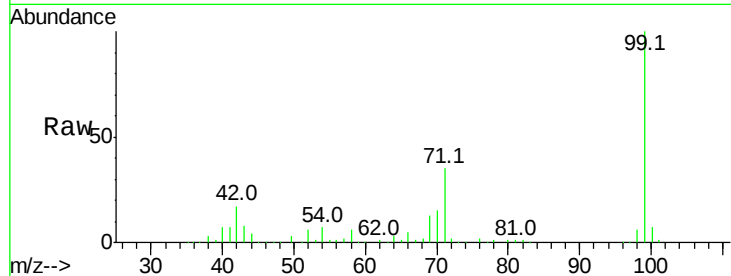
ClientSampleId :

S11-WC-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		216038		
42	17.3	13.5	20.3		
71	34.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

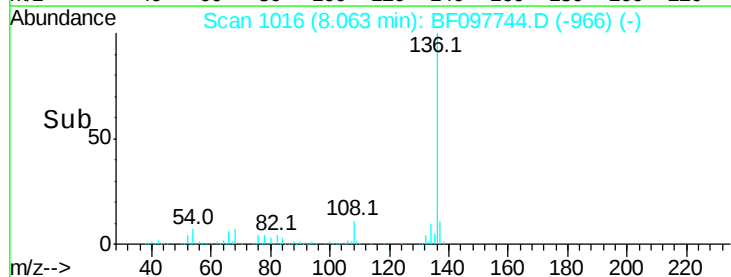
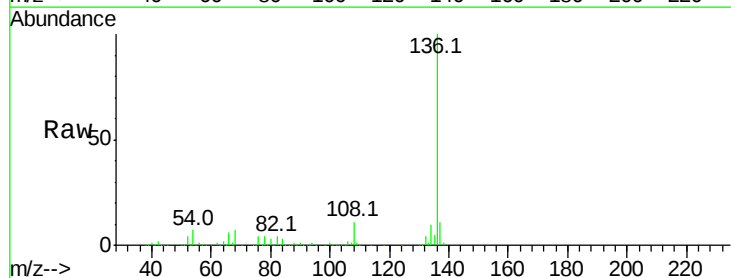
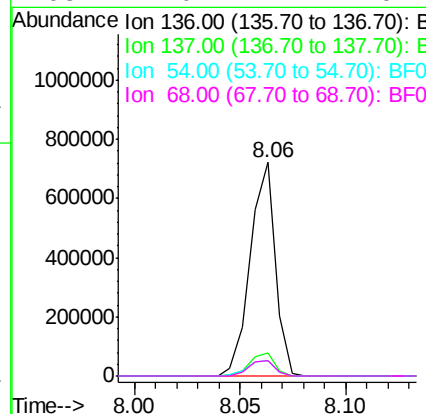
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		596500		
137	11.0	8.5	12.7		
54	7.4	4.9	7.3#		
68	7.0	4.1	6.1#		





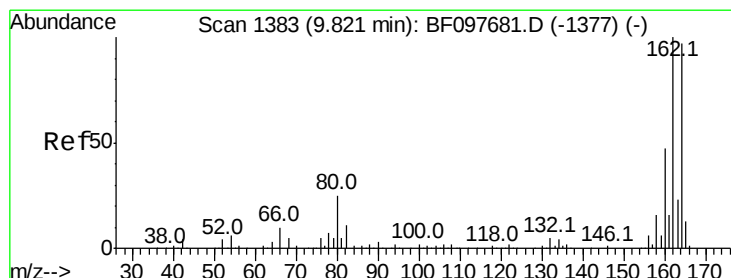
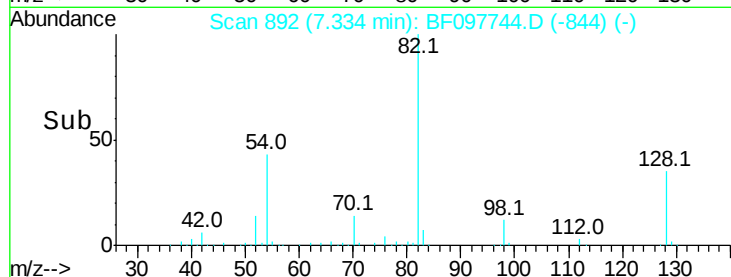
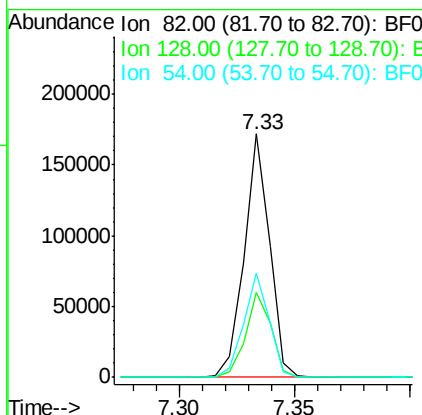
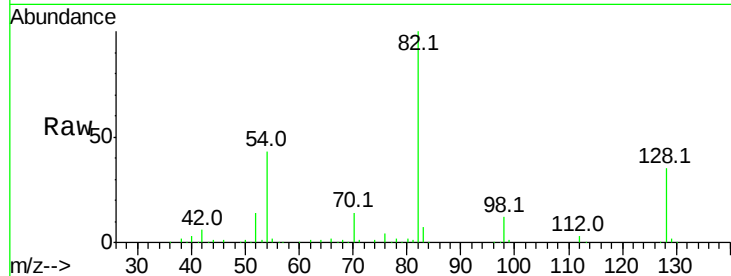
#23
Nitrobenzene-d5
Concen: 11.965 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Instrument :
BNA_F
ClientSampled :
S11-WC-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.6	34.0	51.0
54	42.5	42.2	63.2

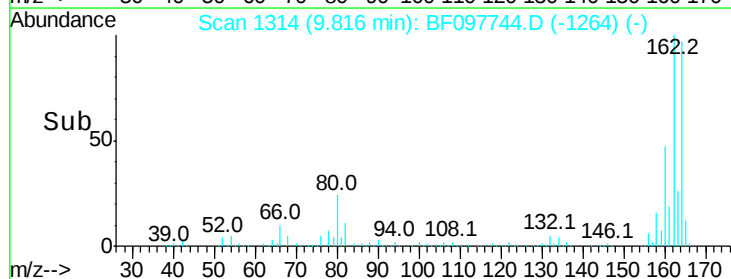
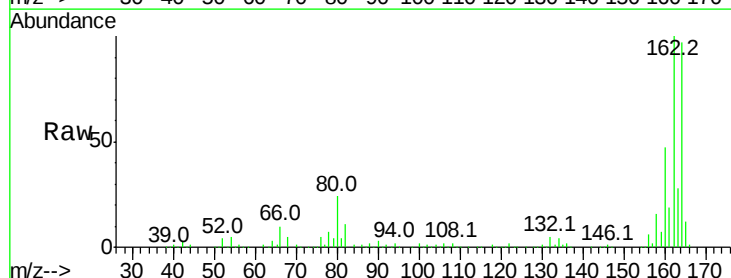
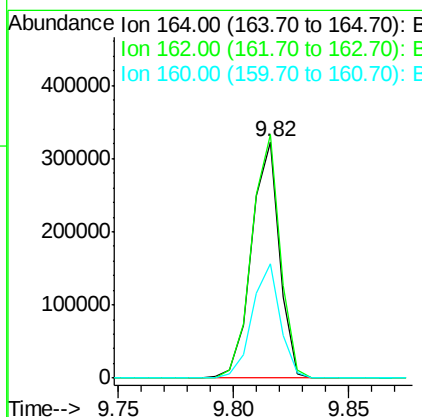
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	48.4	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 15.605 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Instrument :

BNA_F

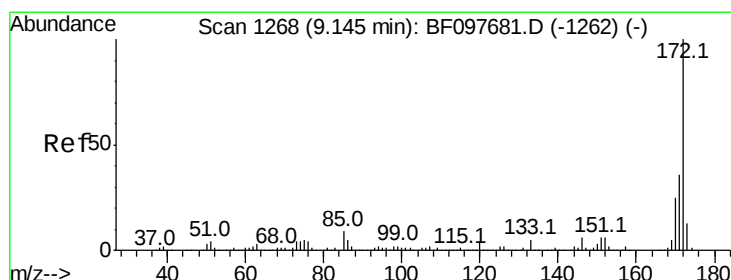
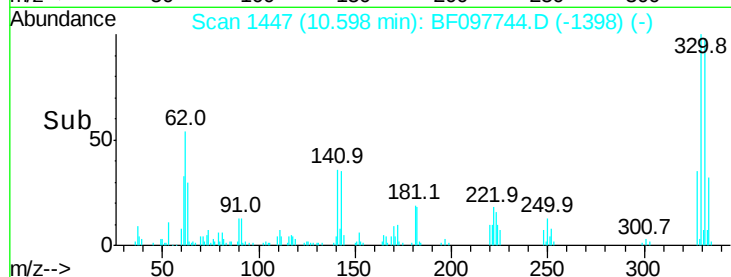
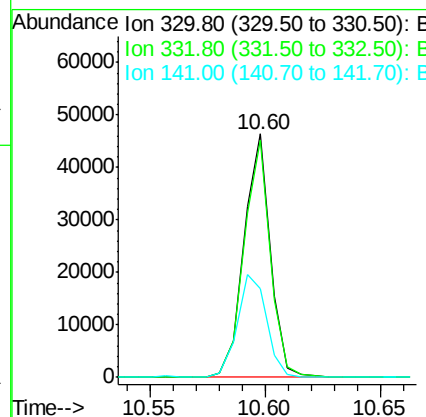
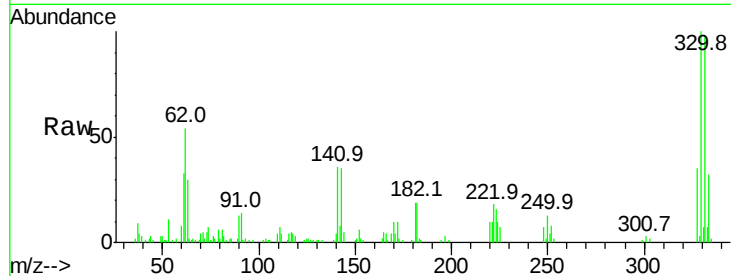
ClientSampled :

S11-WC-3

Tot Ion:	330	Resp:	37039
Ion Ratio	Lower	Upper	
330	100		
332	97.1	76.6	115.0
141	46.6	31.4	47.2

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 10.857 ng

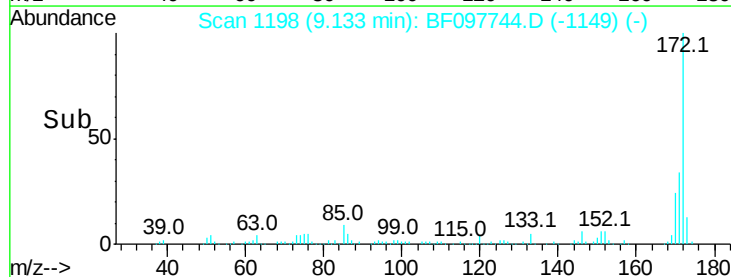
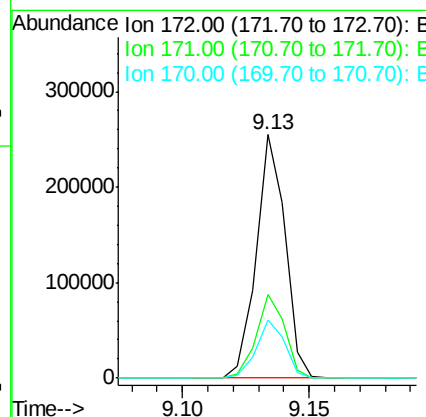
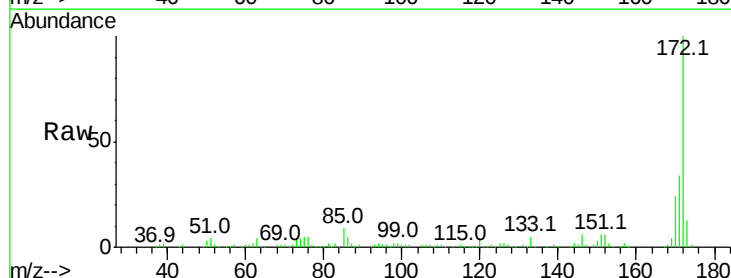
RT: 9.13 min Scan# 1198

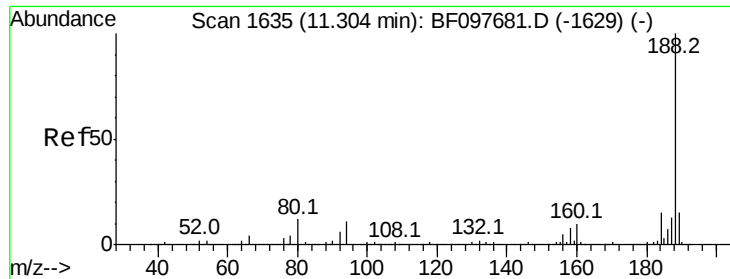
Delta R.T. -0.01 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Tgt Ion:	172	Resp:	202151
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.6	44.4
170	23.6	19.8	29.8





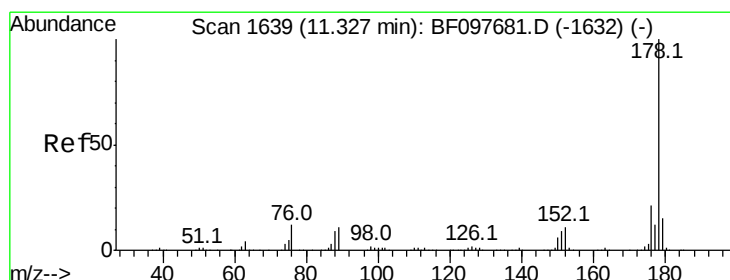
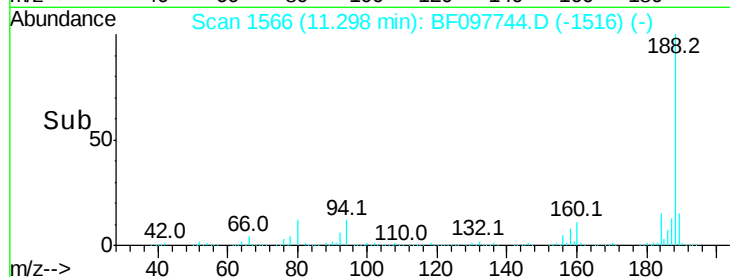
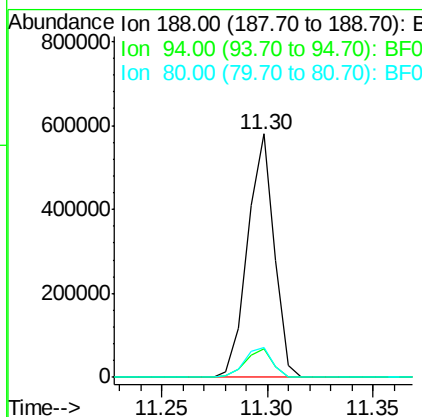
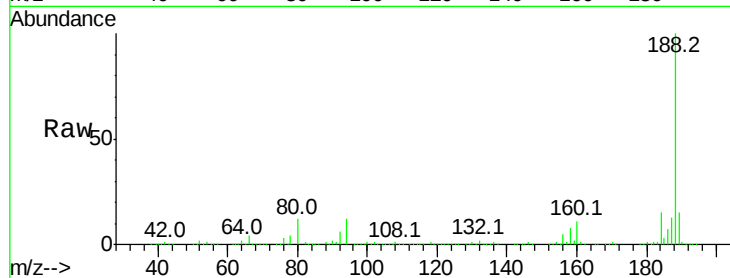
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-3

Tot Ion:188	Resp: 503615
Ion Ratio	Lower Upper
188 100	
94 11.7	9.4 14.2
80 12.0	10.2 15.2

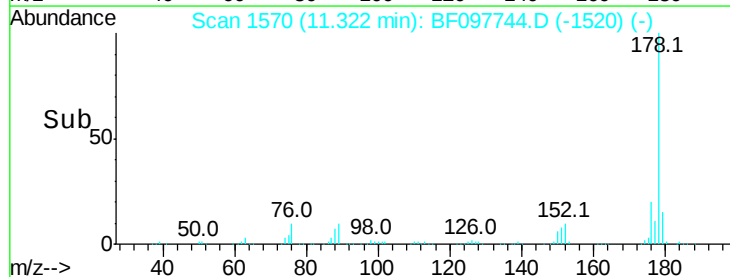
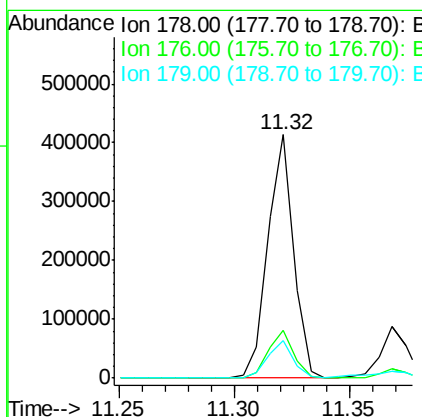
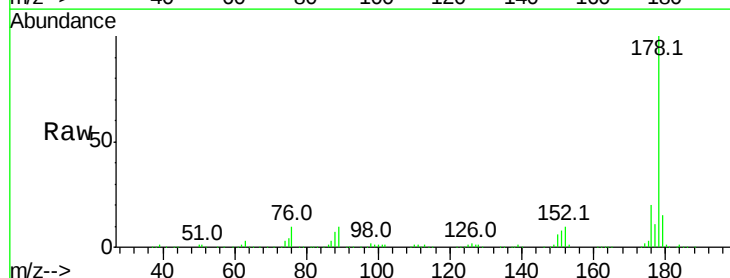
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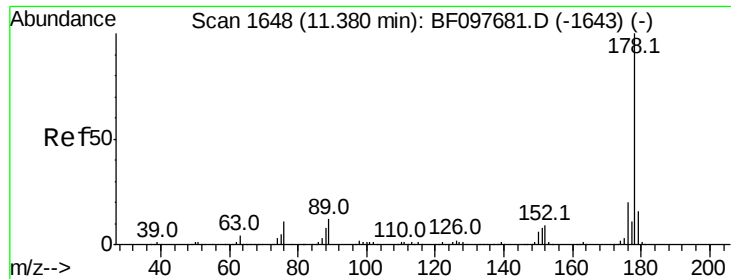
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#70
 Phenanthrene
 Concen: 11.944 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Tgt Ion:178	Resp: 320532
Ion Ratio	Lower Upper
178 100	
176 19.8	16.2 24.4
179 15.4	12.6 19.0





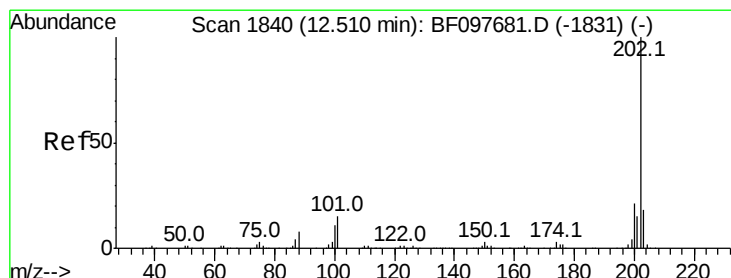
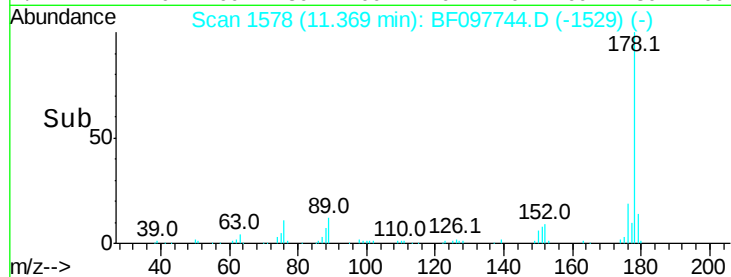
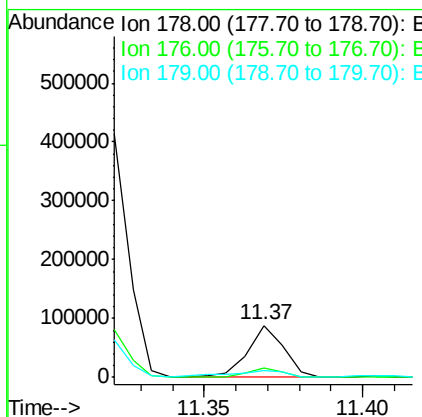
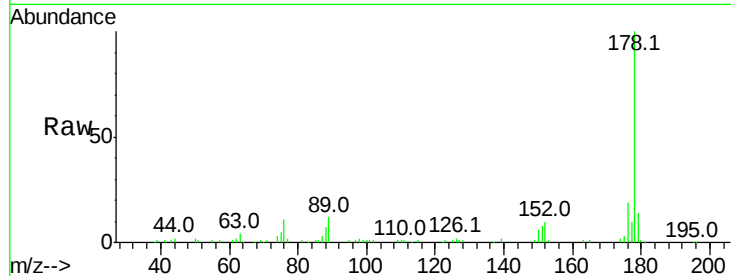
#71
 Anthracene
 Concen: 2.543 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.0	12.7	19.1

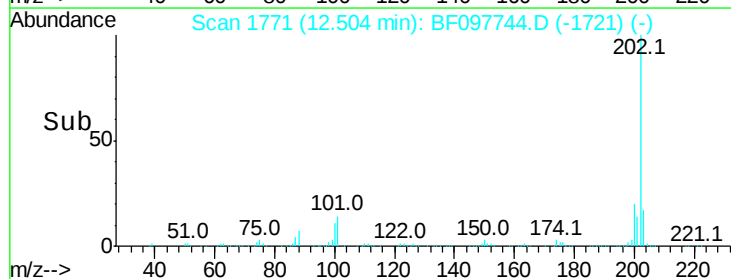
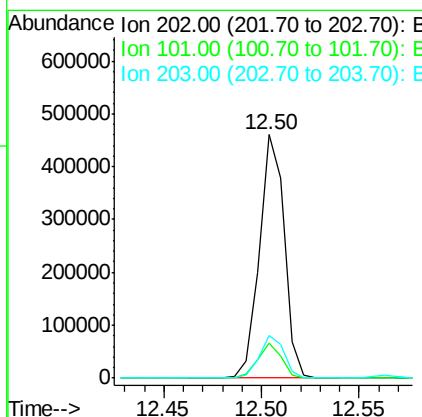
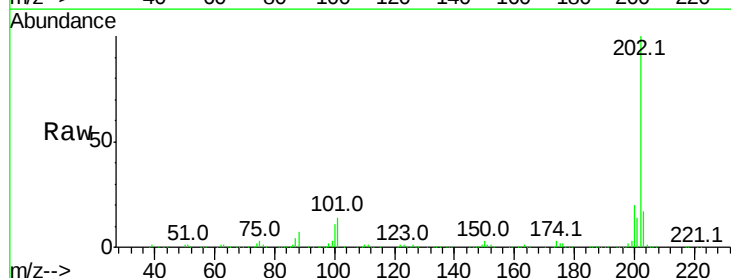
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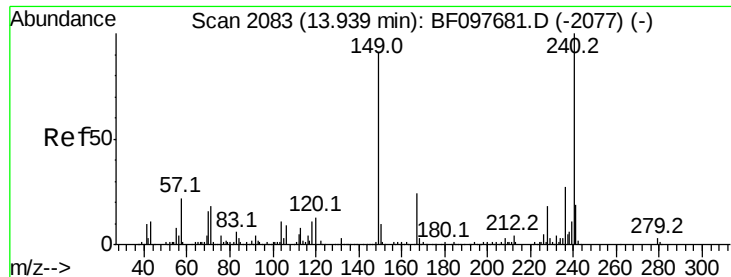
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#74
 Fluoranthene
 Concen: 14.479 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Instrument :

BNA_F

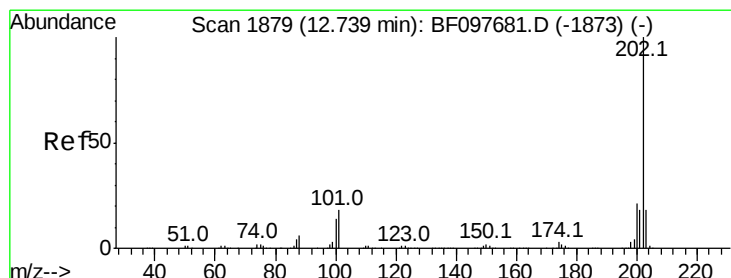
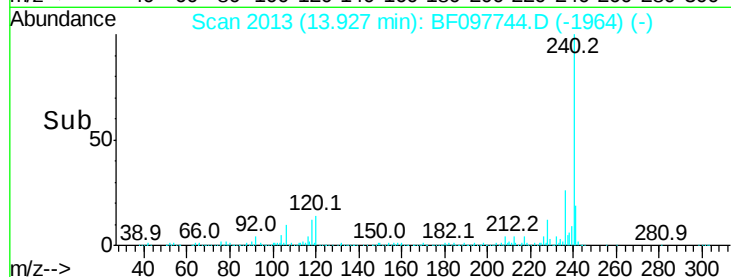
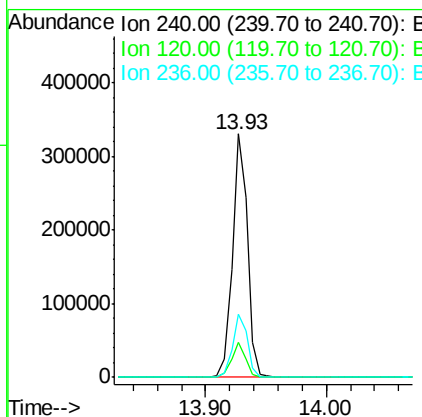
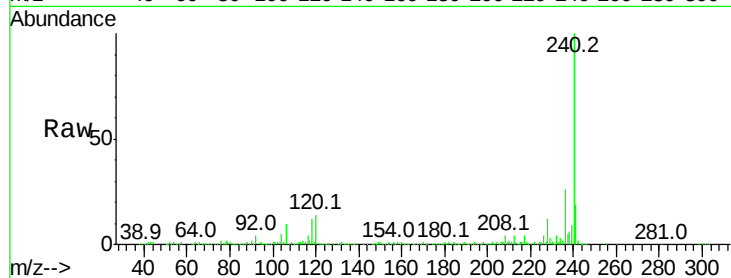
ClientSampleId :

S11-WC-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	26.1	20.5	30.7

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#77

Pyrene

Concen: 15.888 ng

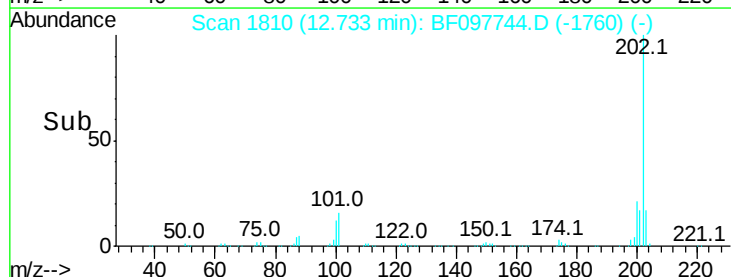
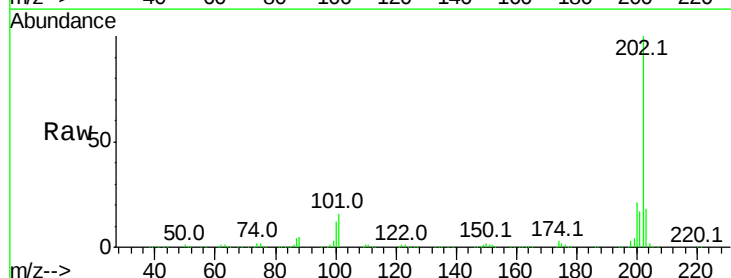
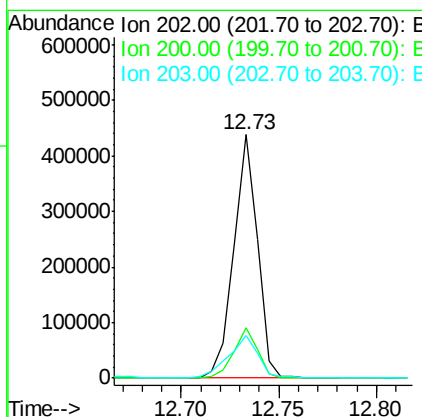
RT: 12.73 min Scan# 1810

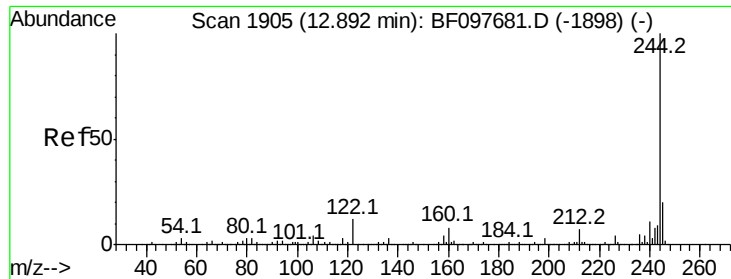
Delta R.T. -0.01 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.6	14.4	21.6





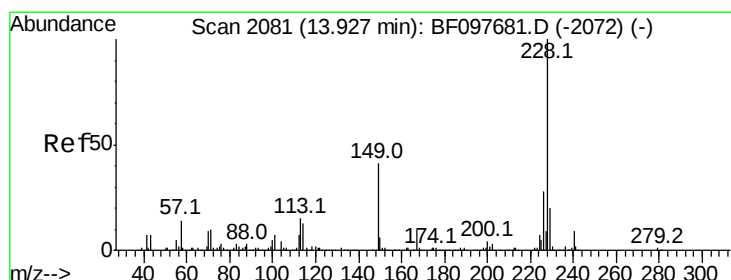
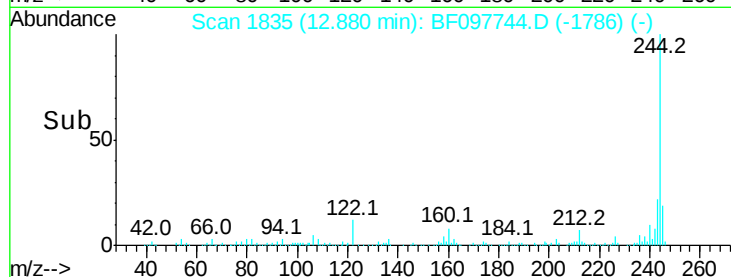
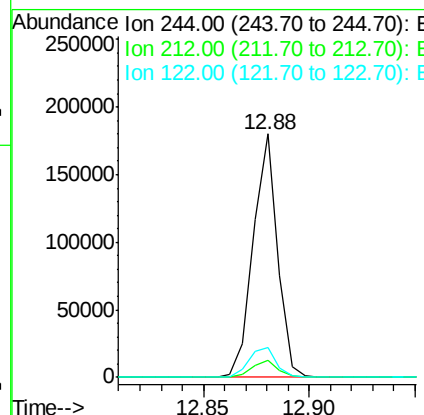
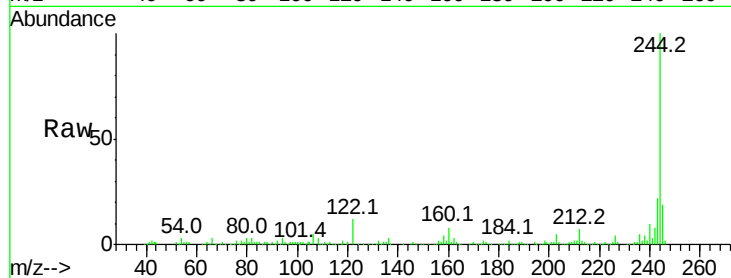
#78
 Terphenyl-d14
 Concen: 10.554 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.2	10.3	15.5

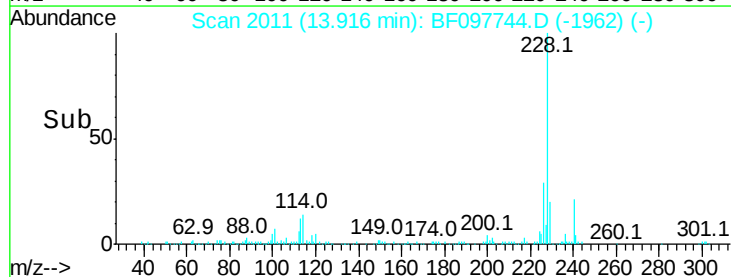
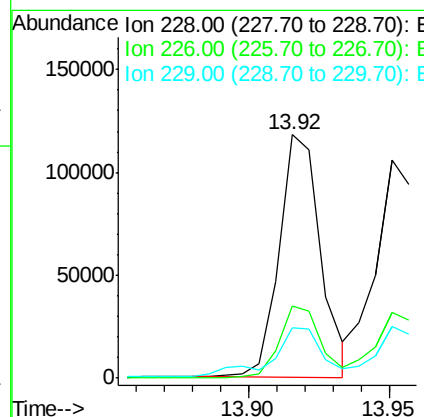
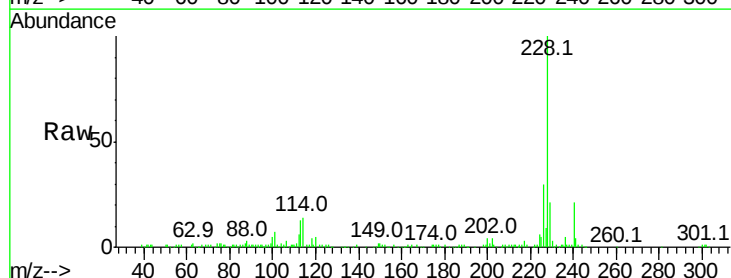
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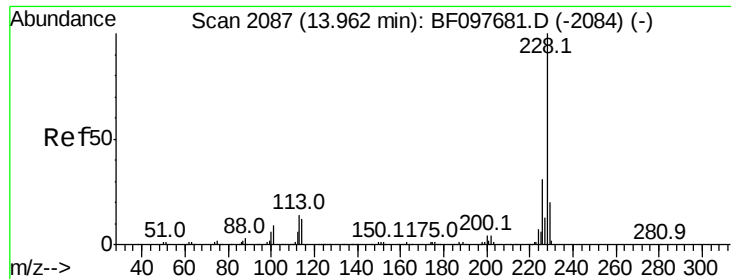
Sohil
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#80
 Benzo(a)anthracene
 Concen: 6.992 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.9	16.3	24.5





#82

Chrysene

Concen: 6.320 ng/mL

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Instrument :

BNA_F

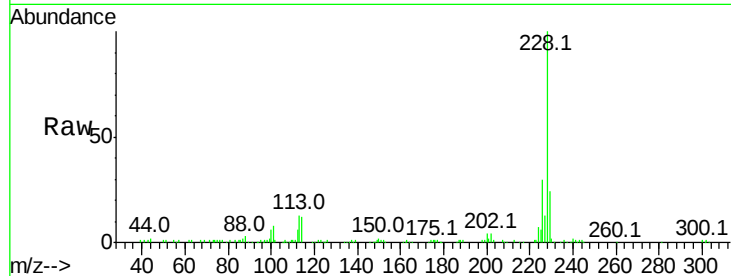
ClientSampleId :

S11-WC-3

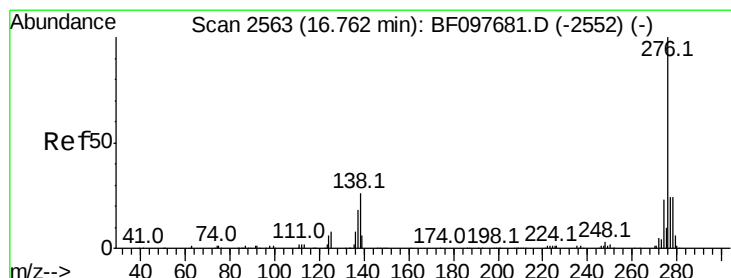
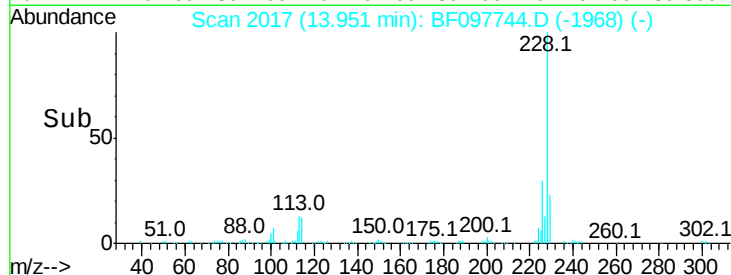
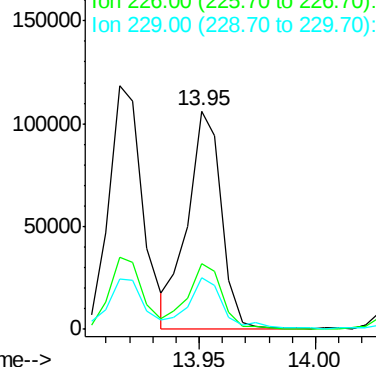
Tot Ion:	228	Resp:	107696
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	23.7	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.559 ng/mL

RT: 16.74 min Scan# 2492

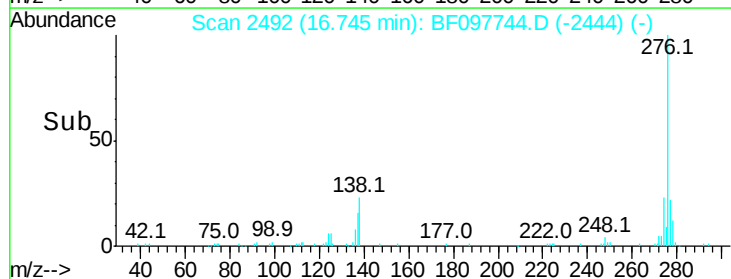
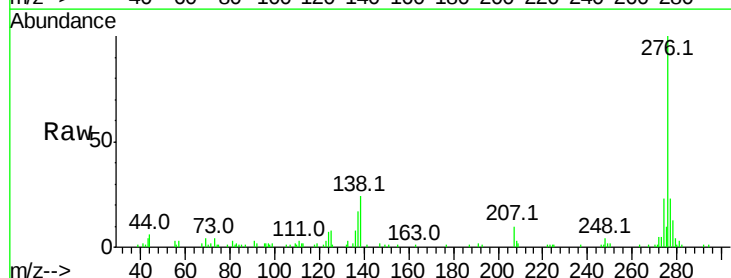
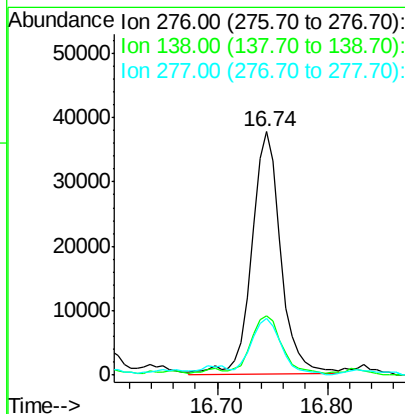
Delta R.T. -0.02 min

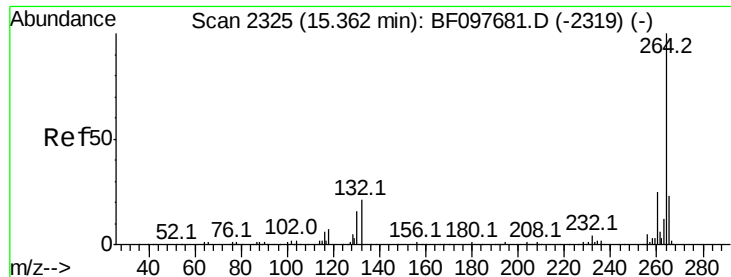
Lab File: BF097744.D

Acq: 16 Aug 2017 17:43

Tgt Ion:	276	Resp:	69685
Ion Ratio	Lower	Upper	
276	100		
138	25.5	27.8	41.6
277	24.5	20.2	30.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





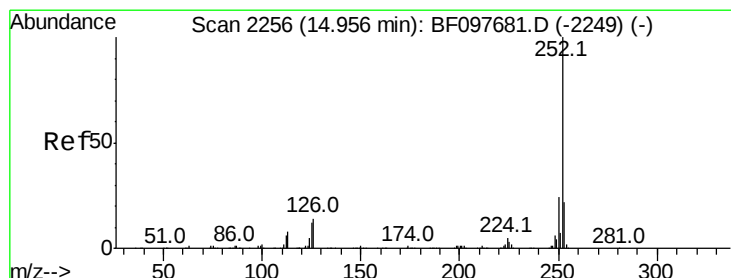
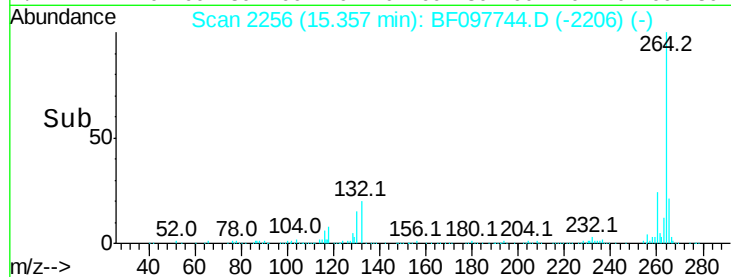
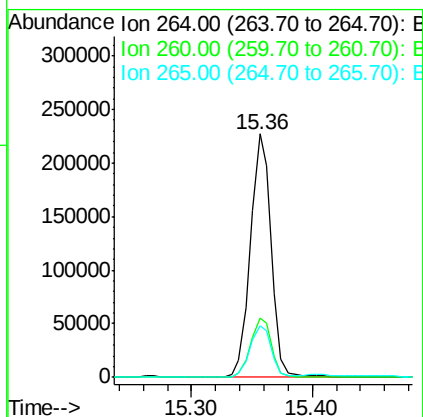
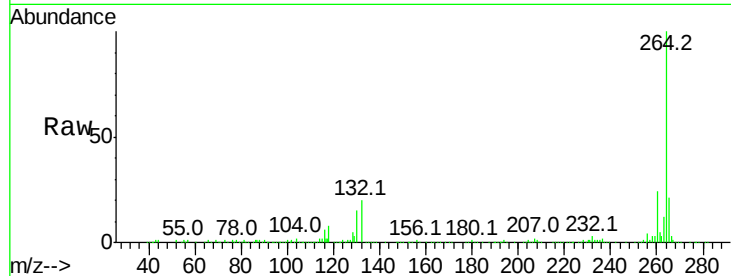
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Instrument :
BNA_F
ClientSampleId :
S11-WC-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.2	17.2	25.8

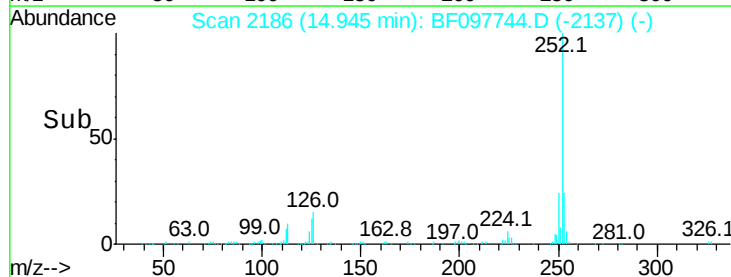
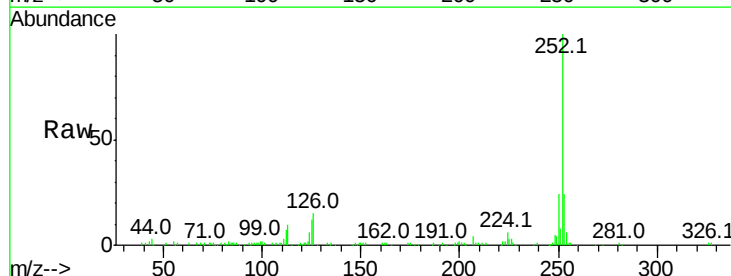
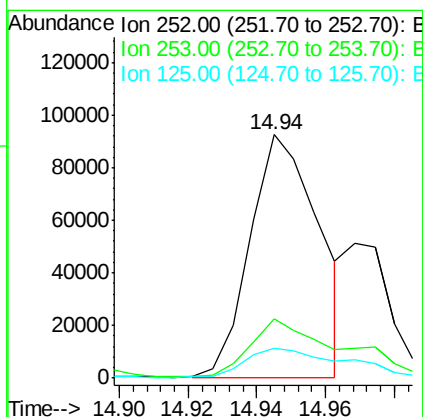
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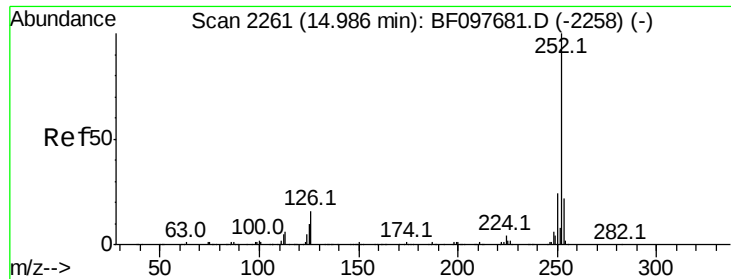
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#87
Benzo(b)fluoranthene
Concen: 7.543 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	12.5	9.8	14.8





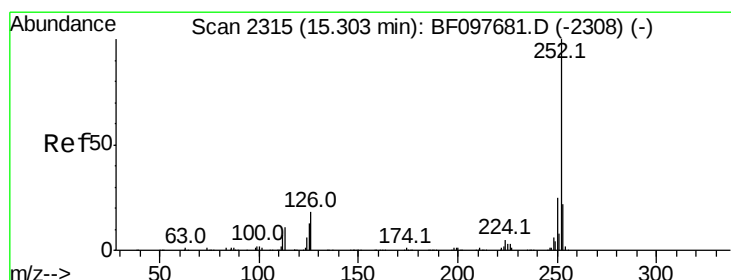
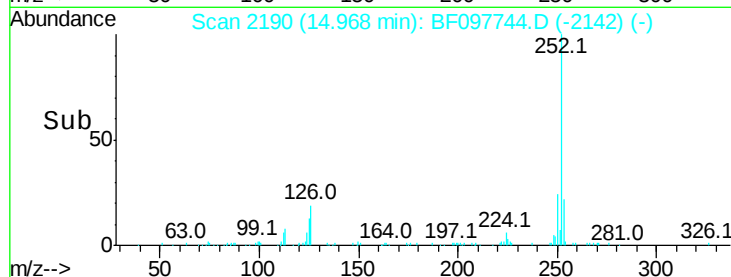
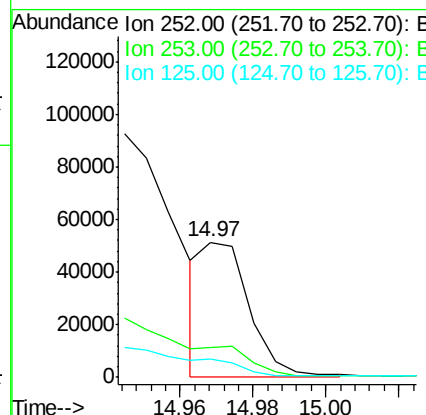
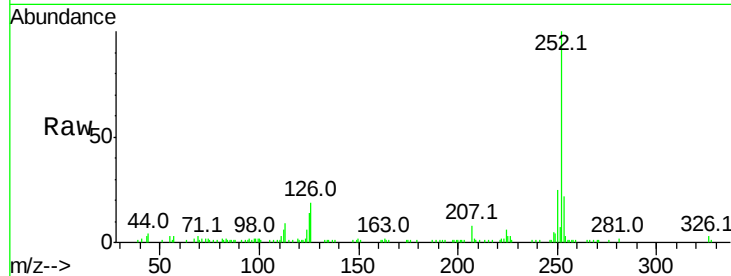
#88
Benzo(k)fluoranthene
Concen: 2.875 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Instrument :
BNA_F
ClientSampleId :
S11-WC-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	13.8	13.1	19.7

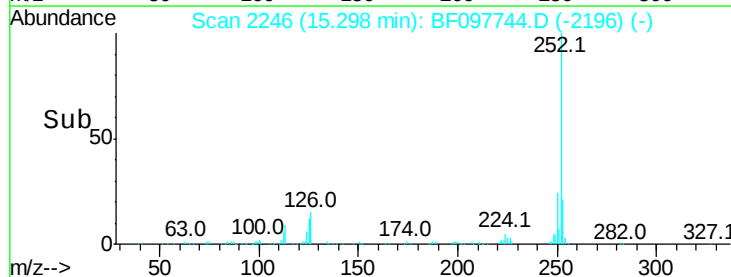
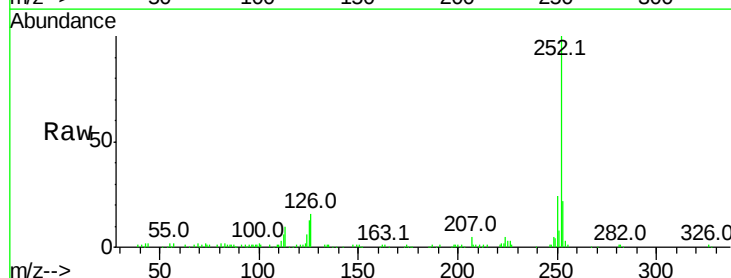
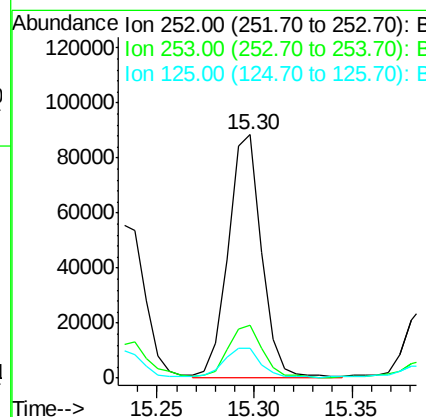
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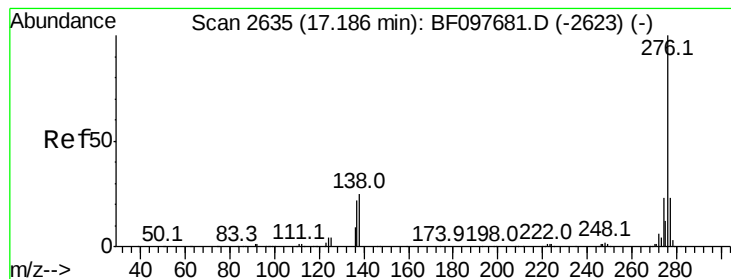
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#89
Benzo(a)pyrene
Concen: 6.943 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097744.D
Acq: 16 Aug 2017 17:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	12.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.090 ng m
 RT: 17.16 min Scan# 2563
 Delta R.T. -0.02 min
 Lab File: BF097744.D
 Acq: 16 Aug 2017 17:43

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	23.8	25.4	38.0

Manual Integrations
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