

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097748.D
 Acq On : 16 Aug 2017 19:36
 Operator : SJ/JU
 Sample : I4798-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-6-COMP

Manual Integrations
 APPROVED

Sohil
 8/17/2017 5:57:48 PM

Quant Time: Aug 17 16:54:12 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	130581	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	463012	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	161505	20.00	ng	0.01
63) Phenanthrene-d10	11.33	188	213910	20.00	ng	0.03
75) Chrysene-d12	14.04	240	47911	20.00	ng	0.10
86) Perylene-d12	15.48	264	129075	20.00	ng	0.12
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	648554	75.55	ng	0.00
7) Phenol-d6	6.41	99	1201420	103.00	ng	0.00
23) Nitrobenzene-d5	7.35	82	725821	85.16	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	39611	28.27	ng	0.02
44) 2-Fluorobiphenyl	9.15	172	953267	86.72	ng	0.00
78) Terphenyl-d14	12.96	244	162443	70.70	ng	0.06
Target Compounds						
3) Pyridine	3.20	79	33628	2.541	ng	86
10) Phenol	6.42	94	33635	2.466	ng	99
49) Dimethylphthalate	9.54	163	120361	10.195	ng	# 87
70) Phenanthrene	11.36	178	189899	16.660	ng	# 68
74) Fluoranthene	12.57	202	98203	8.254	ng	# 65
77) Pyrene	12.81	202	61928	15.804	ng	# 62
80) Benzo(a)anthracene	14.03	228	29899	10.412	ng	# 69
82) Chrysene	14.06	228	17986	6.297	ng	# 73
85) Indeno(1,2,3-cd)pyrene	16.86	276	35995	17.130	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	49816m	6.123	ng	
88) Benzo(k)fluoranthene	15.09	252	17243m	2.256	ng	
91) Benzo(a,h,i)perylene	17.27	276	34713	5.674	ng	# 72

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

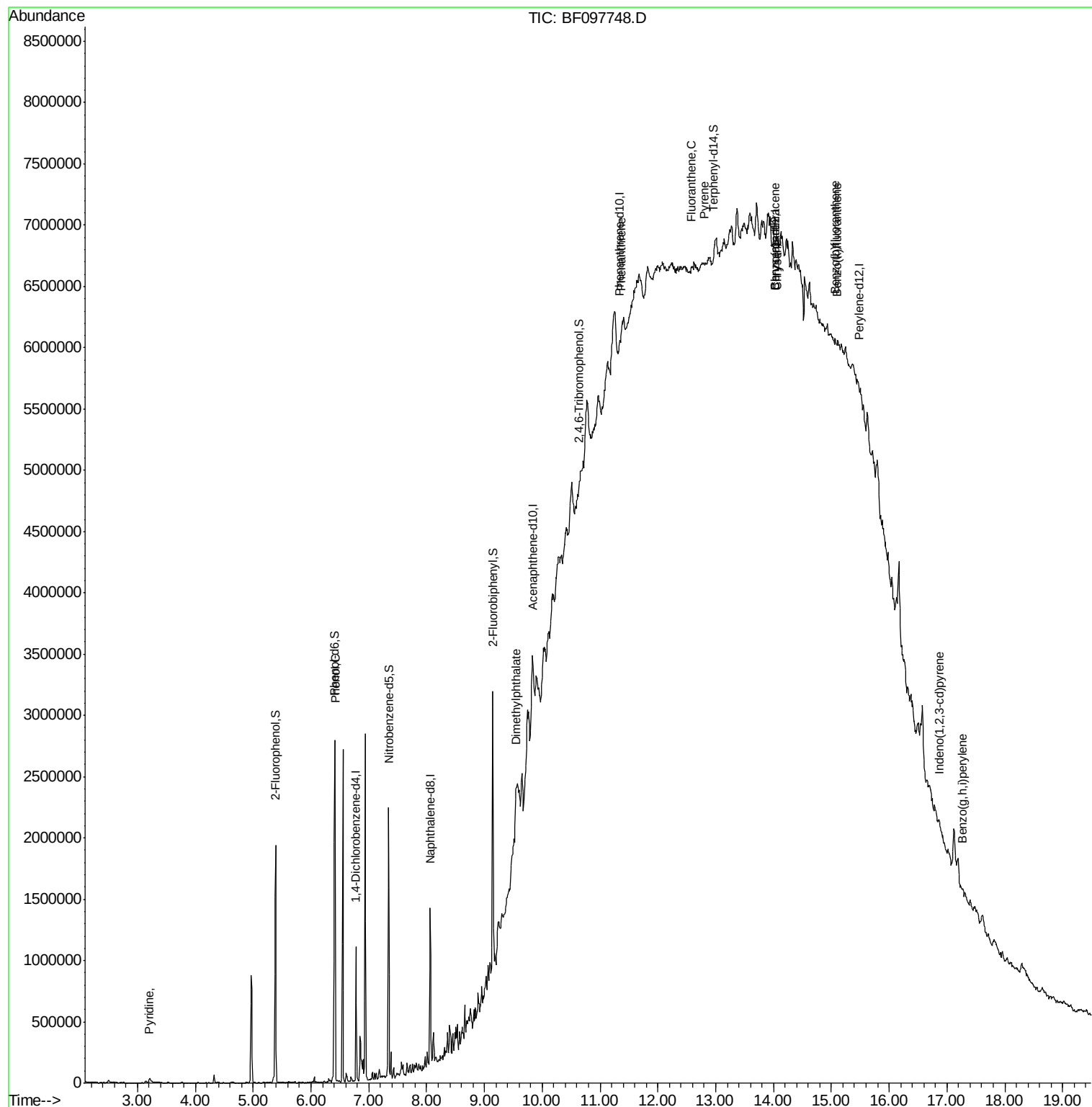
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097748.D
Acq On : 16 Aug 2017 19:36
Operator : SJ/JU
Sample : I4798-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

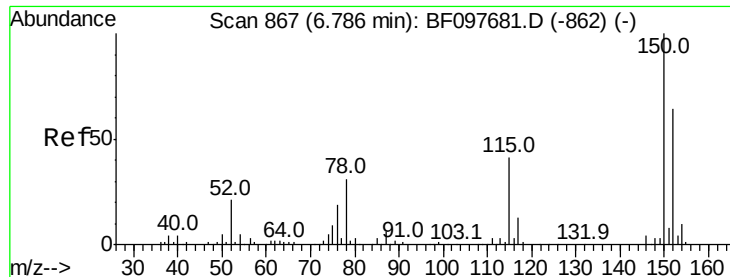
Instrument :
BNA_F
ClientSampleId :
DRUM-1-6-COMP

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

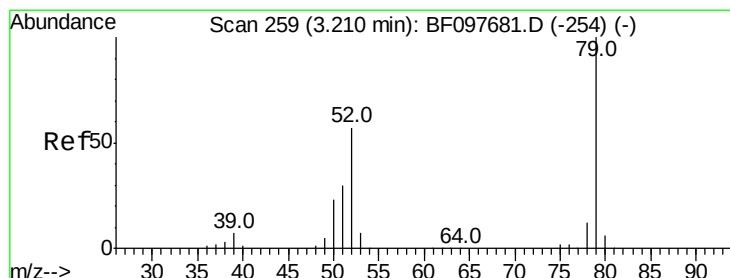
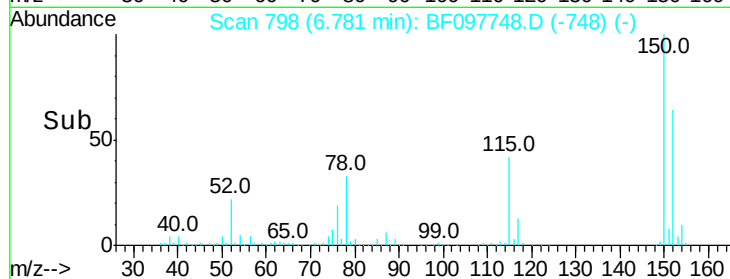
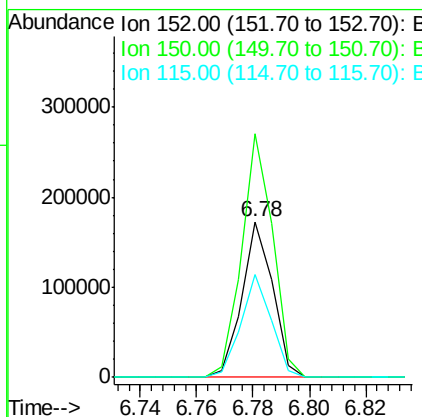
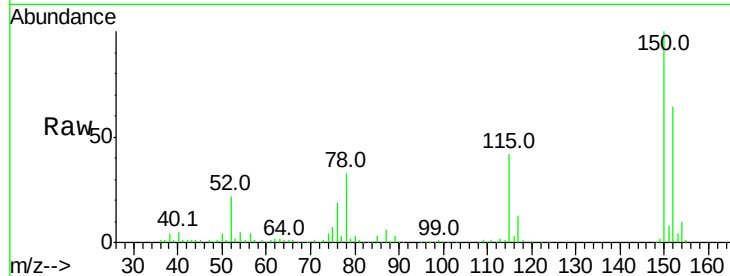
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Instrument :
 BNA_F
 ClientSampled :
 DRUM-1-6-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	66.2	52.2	78.2

Manual Integrations
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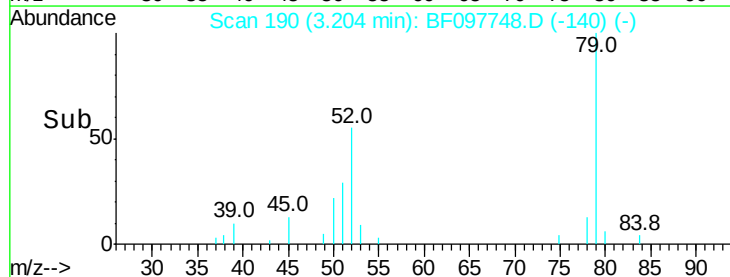
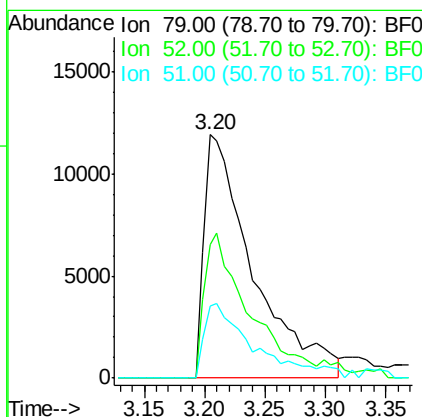
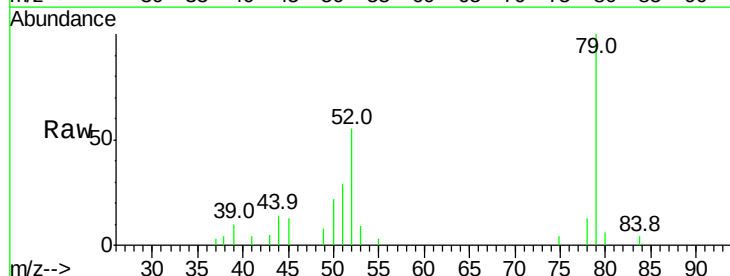
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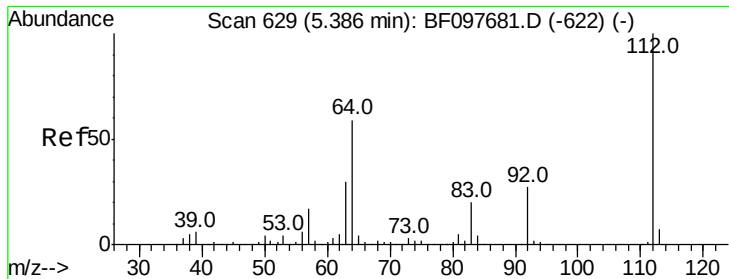


#3

Pyridine
 Concen: 2.541 ng
 RT: 3.20 min Scan# 190
 Delta R.T. -0.01 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
79	100		
52	55.0	54.8	82.2
51	29.4	27.0	40.4





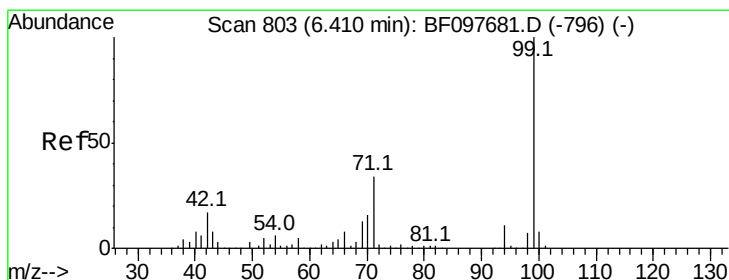
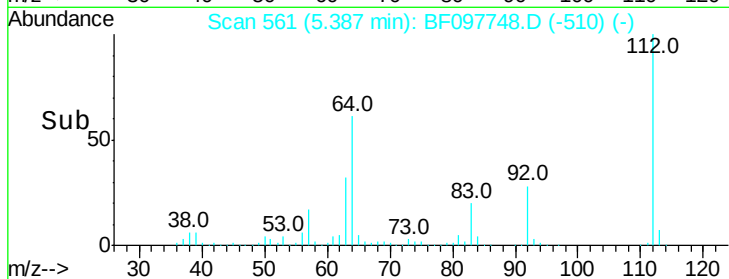
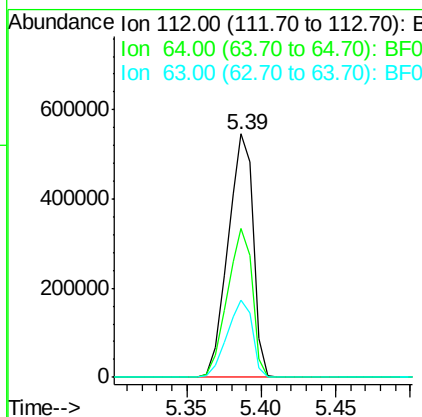
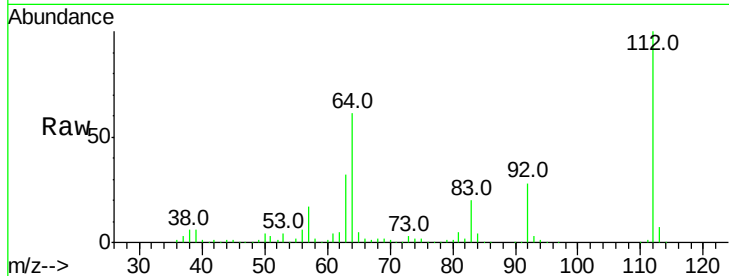
#5
 2-Fluorophenol
 Concen: 75.547 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-6-COMP

Tot Ion:	112	Resp:	648554
Ion Ratio	Lower	Upper	
112	100		
64	61.3	46.0	69.0
63	32.0	23.4	35.0

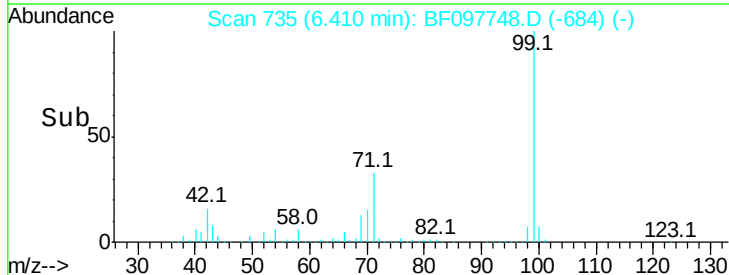
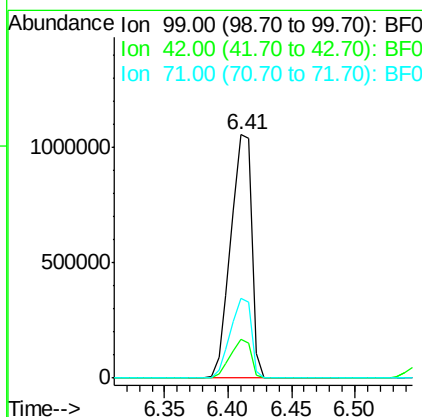
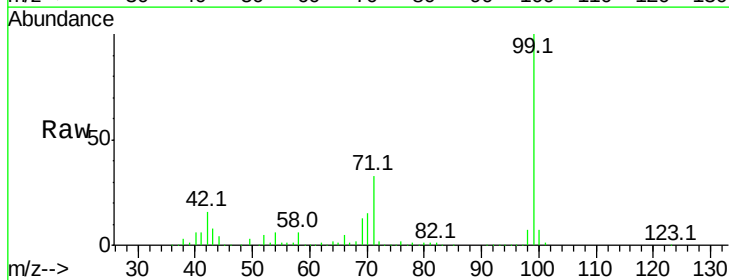
Manual Integrations
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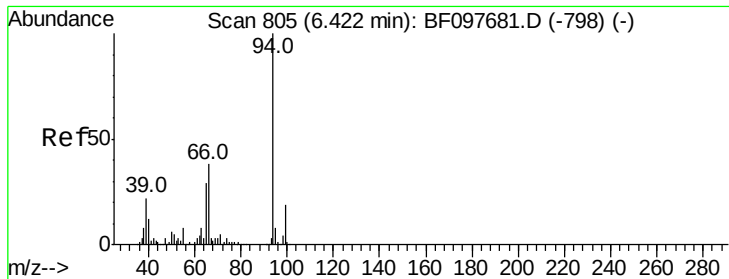
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#7
 Phenol-d6
 Concen: 103.000 ng
 RT: 6.41 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Tgt Ion:	99	Resp:	1201420
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	32.8	24.5	36.7





#10

Phenol

Concen: 2.466 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

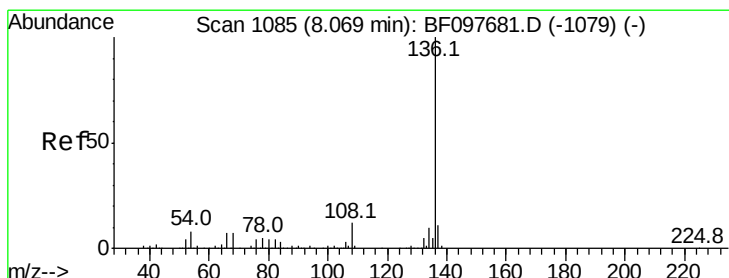
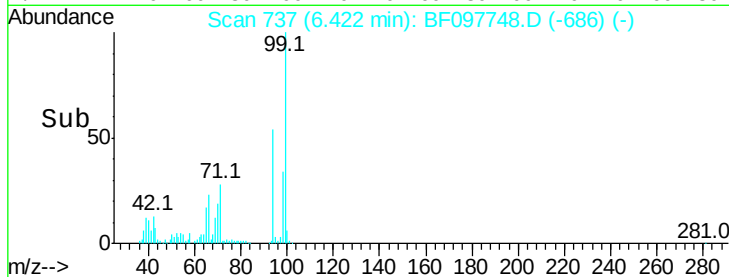
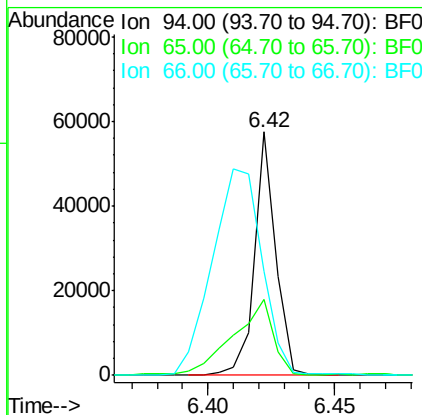
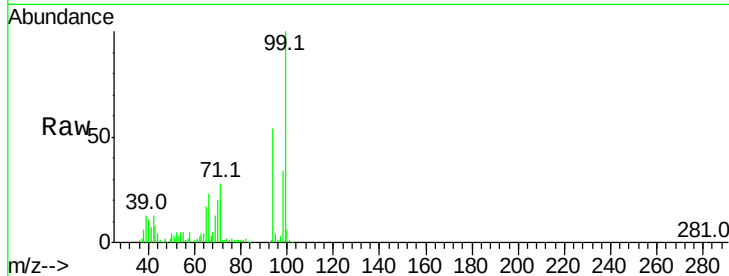
ClientSampleId :

DRUM-1-6-COMP

Tot Ion:	94	Resp:	33635
Ion Ratio	Lower	Upper	
94	100		
65	31.4	9.9	49.9
66	42.7	23.1	63.1

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#21

Naphthalene-d8

Concen: 20.000 ng

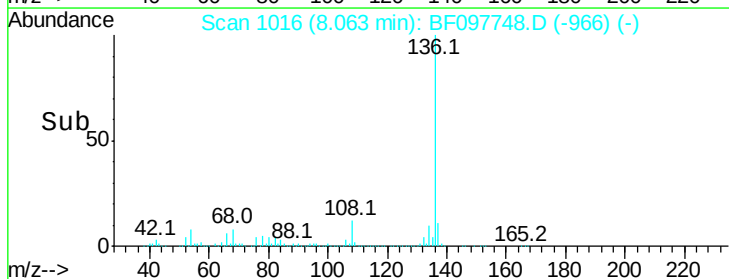
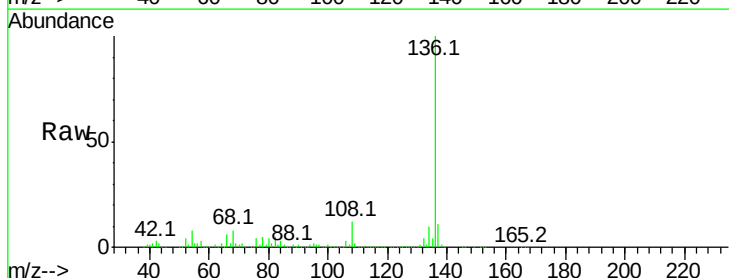
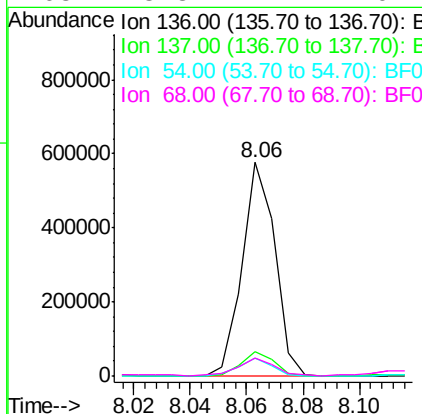
RT: 8.06 min Scan# 1016

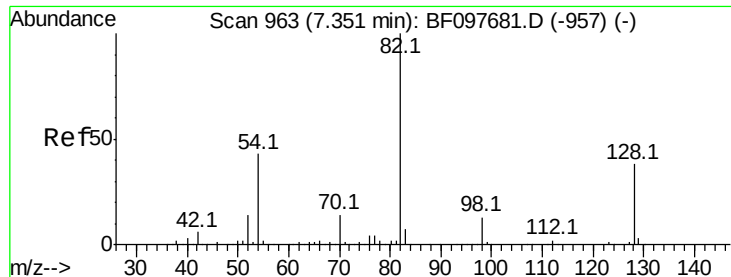
Delta R.T. -0.01 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Tgt Ion:	136	Resp:	463012
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	8.3	4.9	7.3#
68	8.3	4.1	6.1#





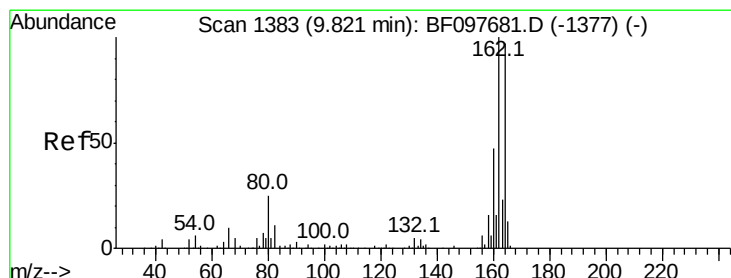
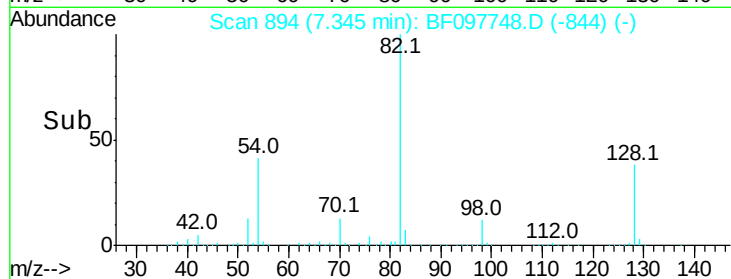
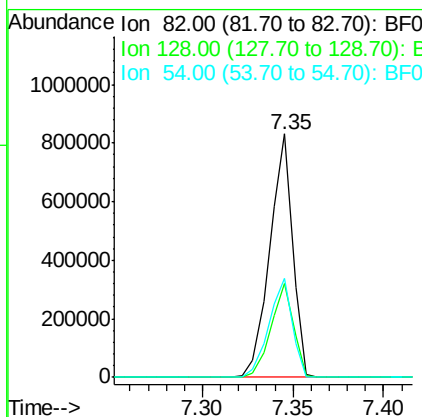
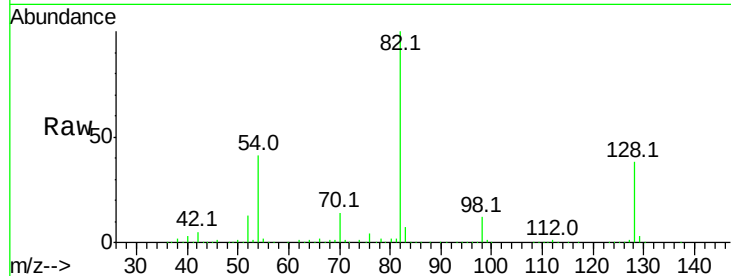
#23
 Nitrobenzene-d5
 Concen: 85.160 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-6-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.5	34.0	51.0
54	40.7	42.2	63.2

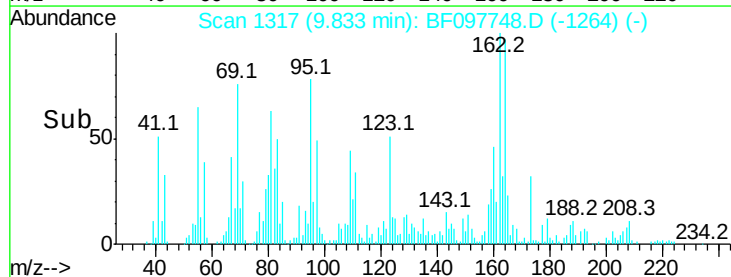
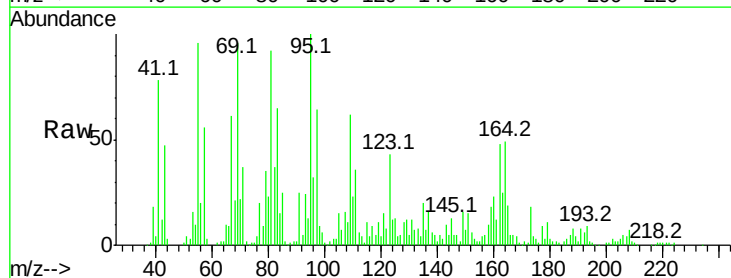
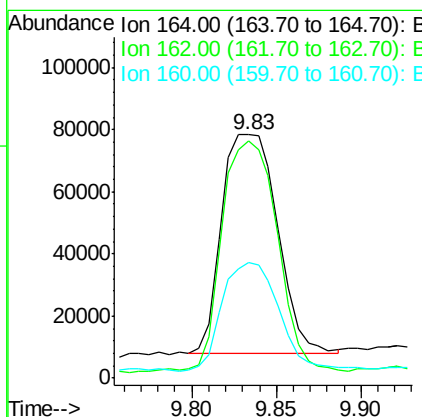
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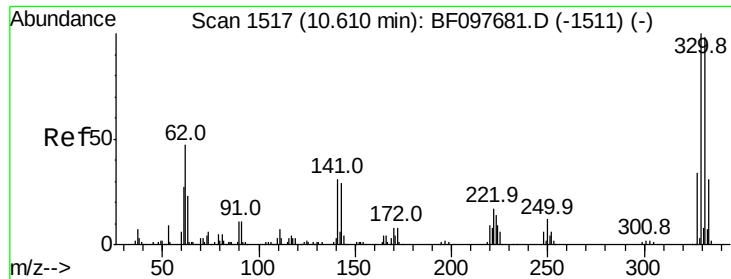
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.7	82.6	123.8
160	47.7	36.2	54.2





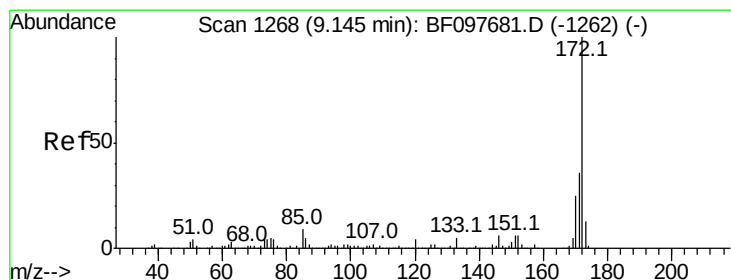
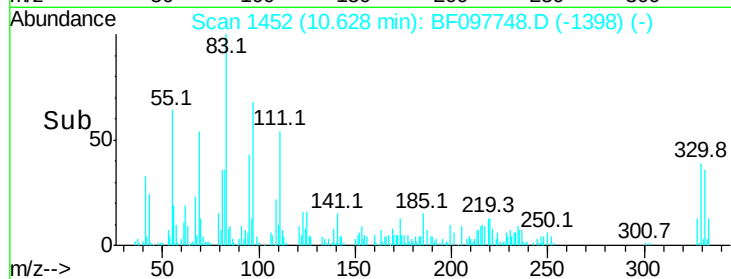
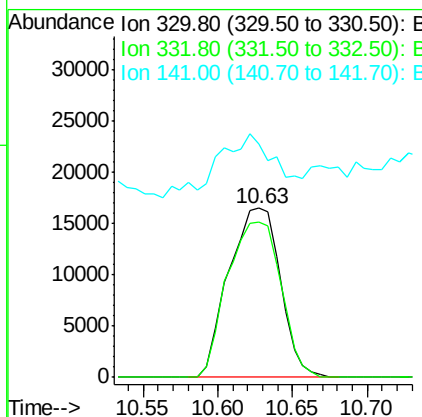
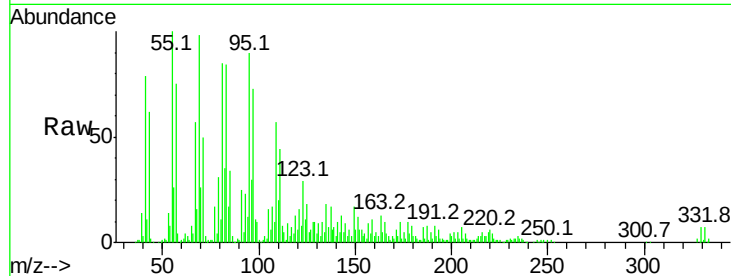
#41
 2,4,6-Tribromophenol
 Concen: 28.267 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.02 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1-6-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	42.7	31.4	47.2

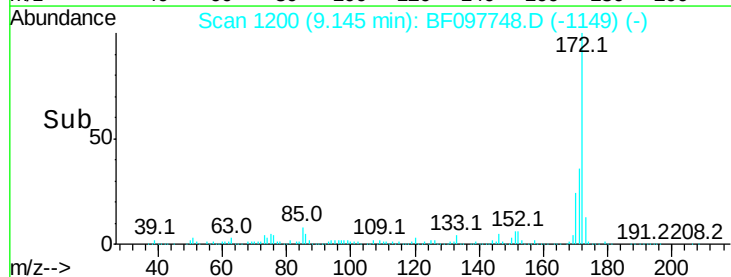
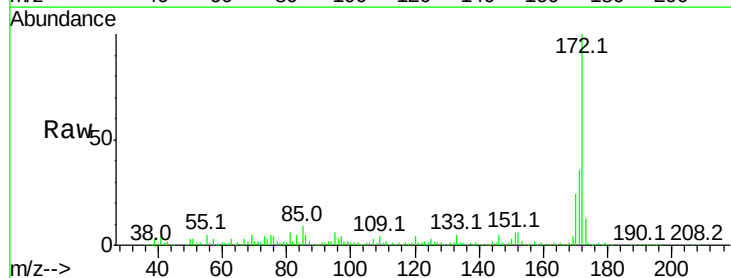
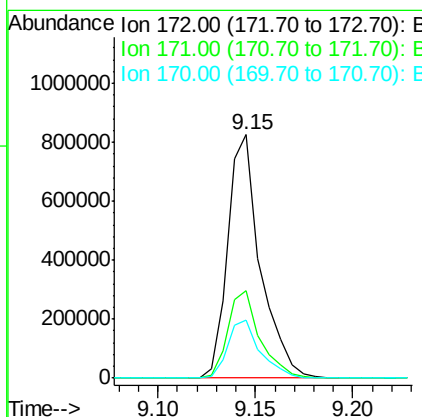
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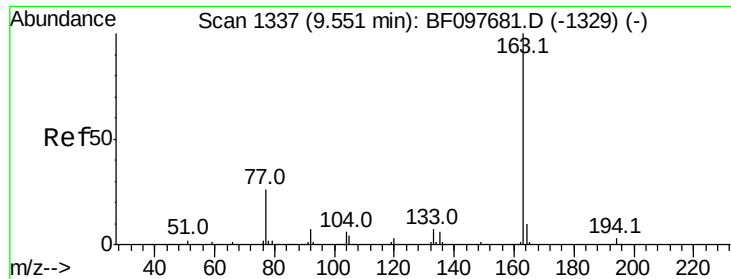
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#44
 2-Fluorobiphenyl
 Concen: 86.718 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097748.D
 Acq: 16 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.0	19.8	29.8





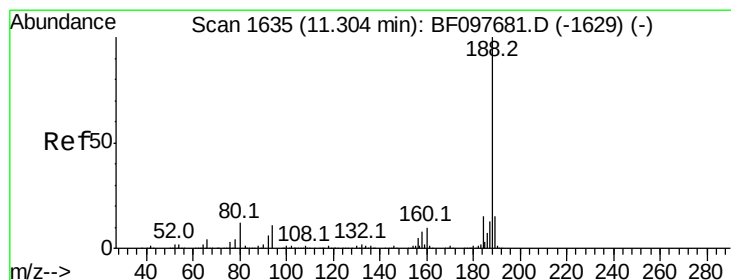
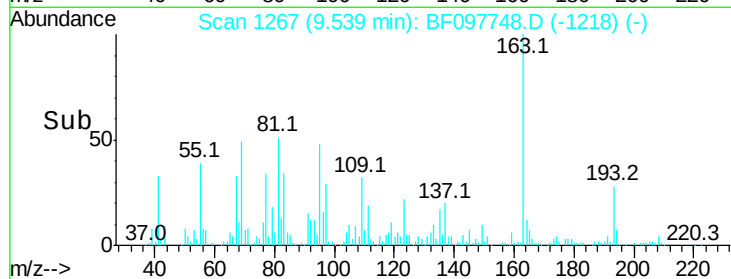
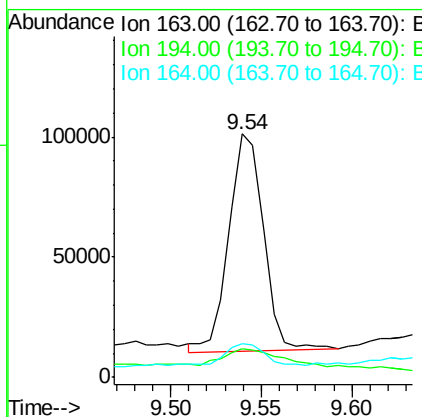
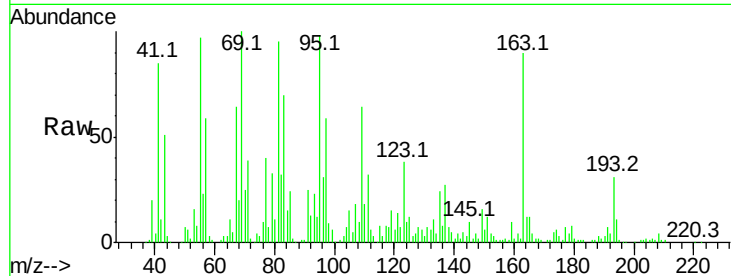
#49
Dimethylphthalate
Concen: 10.195 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF097748.D
Acq: 16 Aug 2017 19:36

Instrument :
BNA_F
ClientSampleId :
DRUM-1-6-COMP

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	11.7	2.6	4.0#
164	13.7	8.4	12.6#

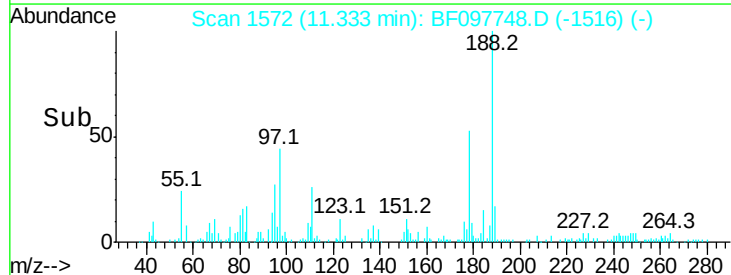
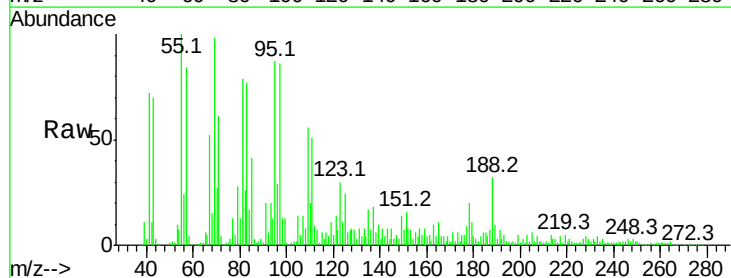
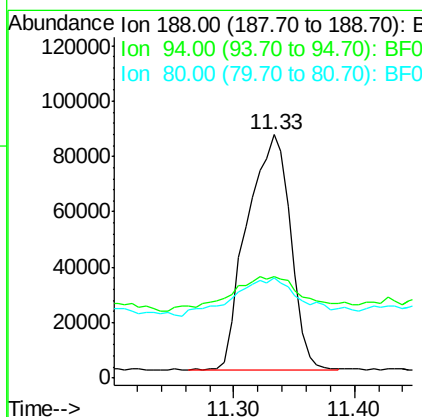
Manual Integrations
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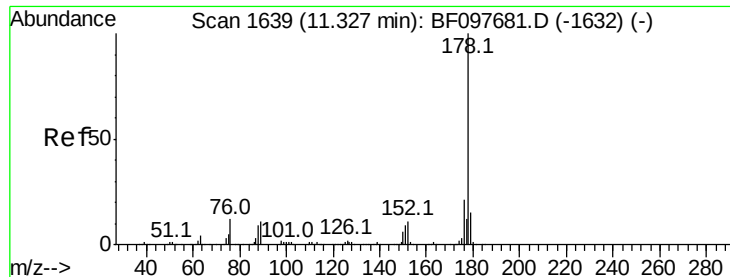
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.03 min
Lab File: BF097748.D
Acq: 16 Aug 2017 19:36

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	41.8	9.4	14.2#
80	41.3	10.2	15.2#





#70

Phenanthrene

Concen: 16.660 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.03 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

ClientSampleId :

DRUM-1-6-COMP

Tot Ion:178 Resp: 189899

Ion Ratio Lower Upper

178 100

176 22.8 16.2 24.4

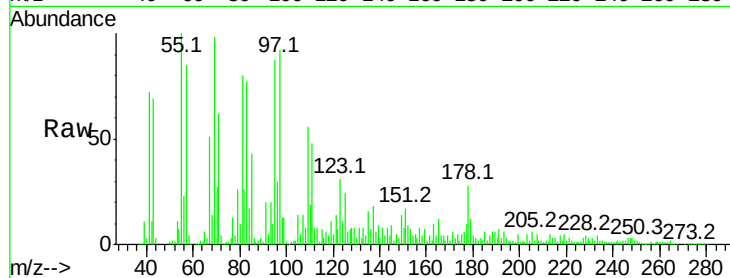
179 43.6 12.6 19.0#

Manual Integrations

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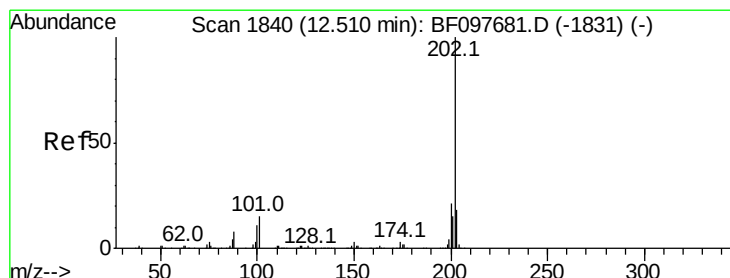
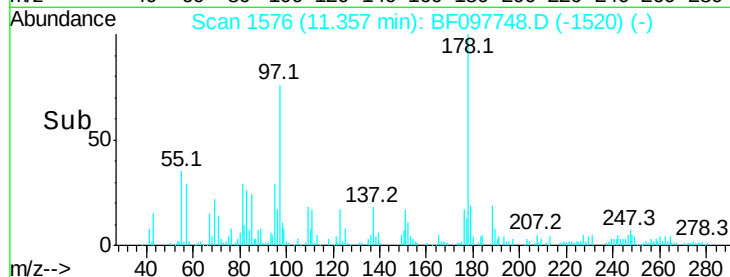
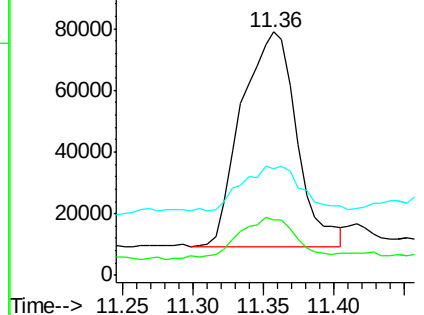
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 8.254 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.06 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

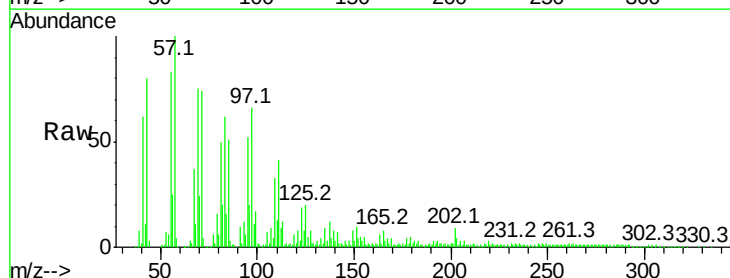
Tgt Ion:202 Resp: 98203

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.2

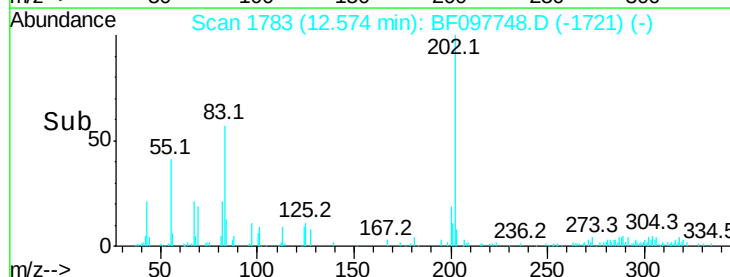
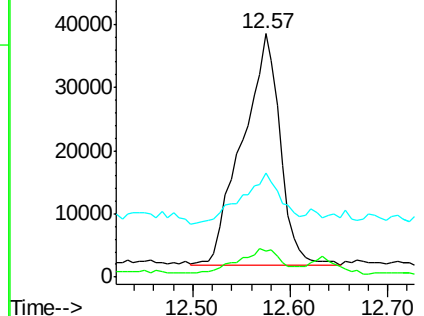
203 42.6 0.0 38.1#

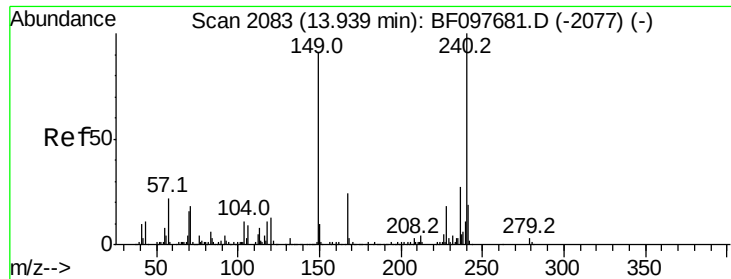


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 2032

Delta R.T. 0.10 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

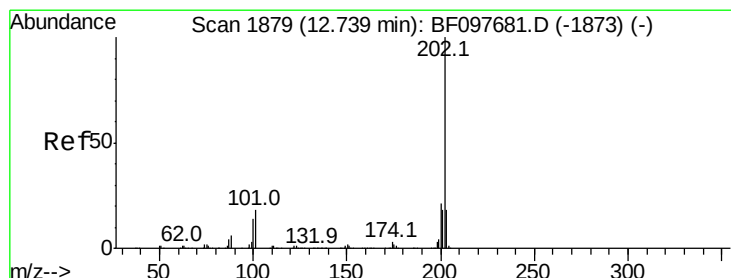
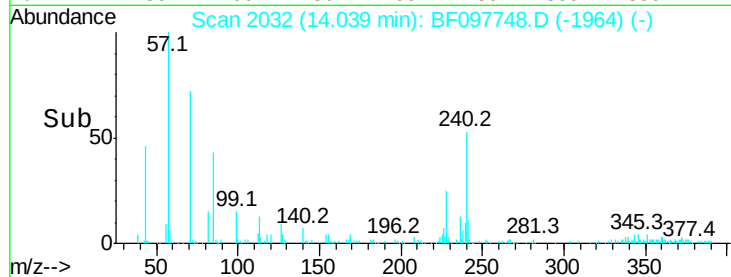
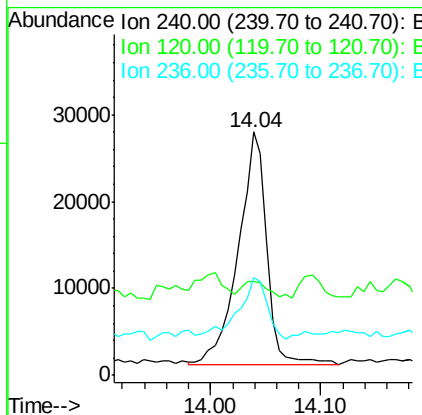
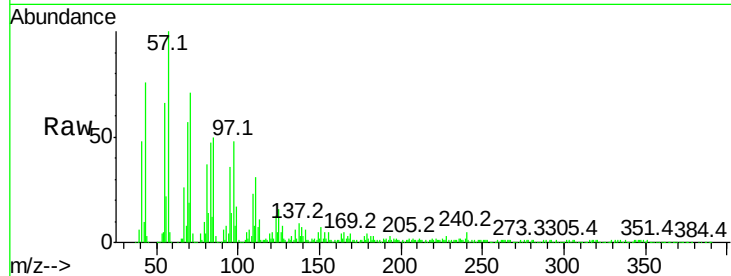
ClientSampleId :

DRUM-1-6-COMP

Tot Ion:240 Resp: 47911
 Ion Ratio Lower Upper
 240 100
 120 38.3 5.8 8.8#
 236 39.9 20.5 30.7#

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#77

Pyrene

Concen: 15.804 ng

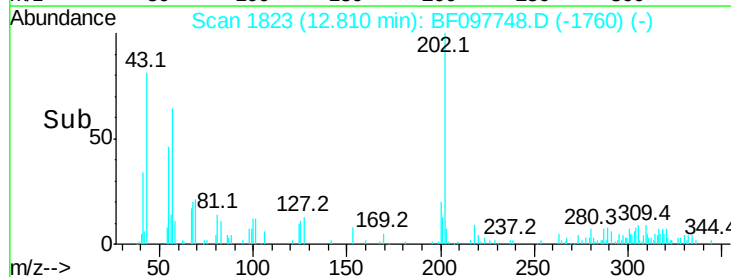
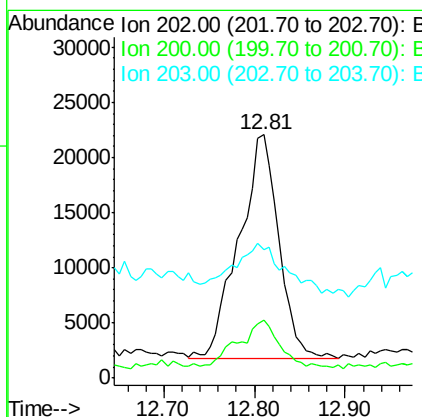
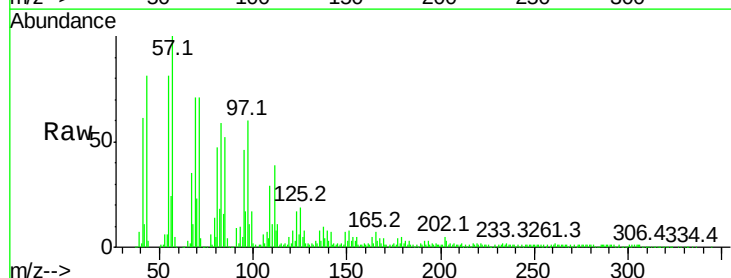
RT: 12.81 min Scan# 1823

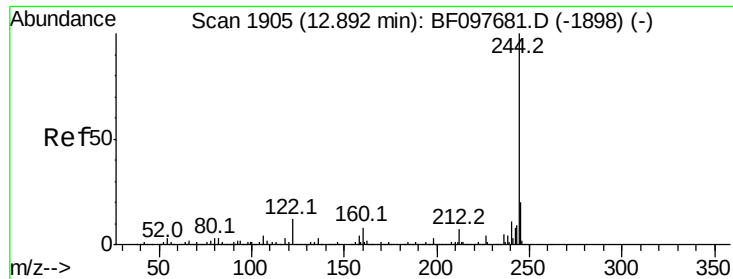
Delta R.T. 0.07 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Tgt Ion:202 Resp: 61928
 Ion Ratio Lower Upper
 202 100
 200 23.9 17.6 26.4
 203 52.9 14.4 21.6#





#78

Terphenyl-d14

Concen: 70.704 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.06 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

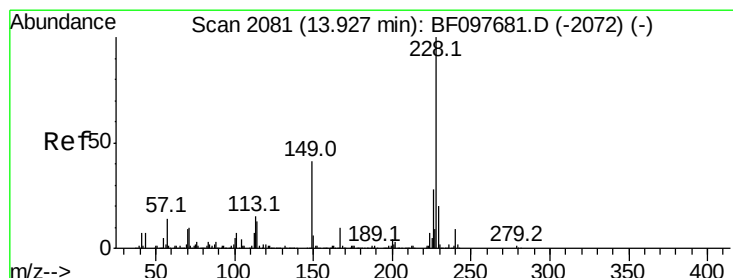
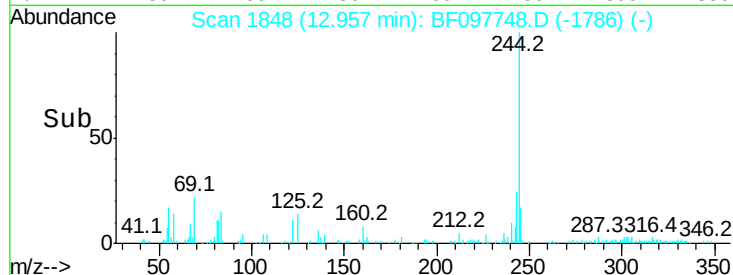
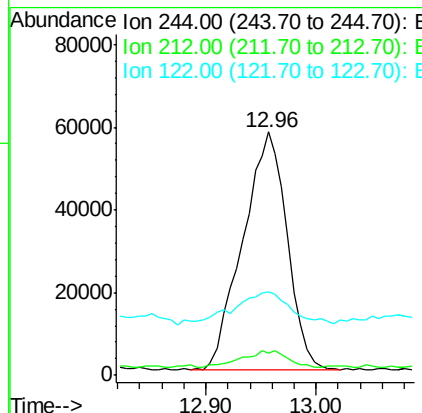
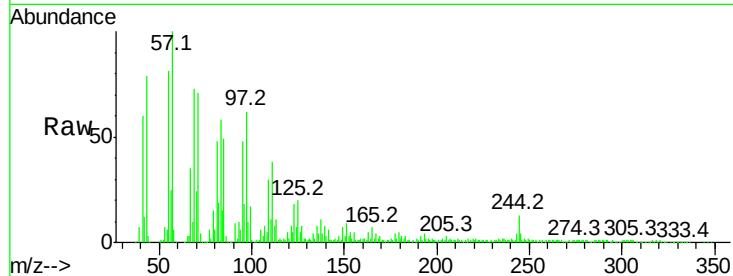
ClientSampleId :

DRUM-1-6-COMP

Tot Ion:	244	Resp:	162443
Ion Ratio	Lower	Upper	
244	100		
212	8.9	6.0	9.0
122	34.5	10.3	15.5#

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#80

Benzo(a)anthracene

Concen: 10.412 ng

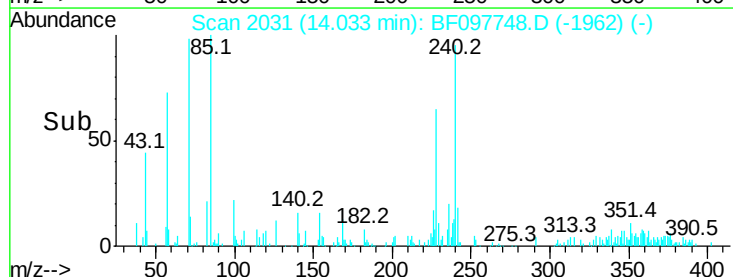
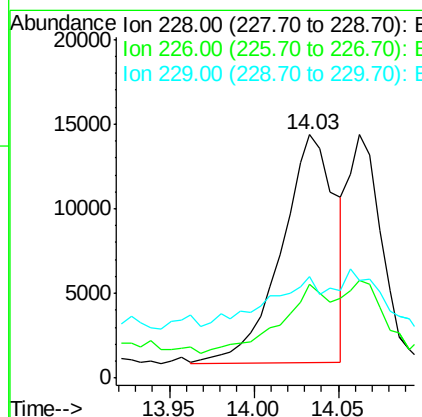
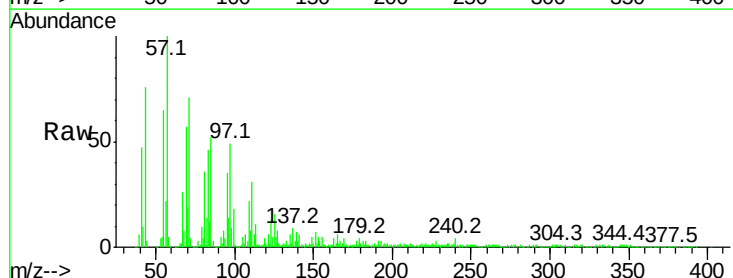
RT: 14.03 min Scan# 2031

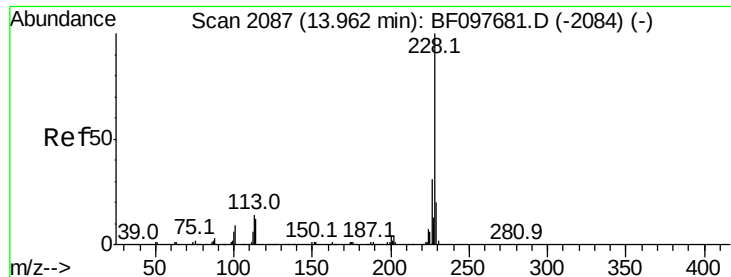
Delta R.T. 0.11 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Tgt Ion:	228	Resp:	29899
Ion Ratio	Lower	Upper	
228	100		
226	38.6	22.6	33.8#
229	41.5	16.3	24.5#





#82

Chrysene

Concen: 6.297 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.10 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

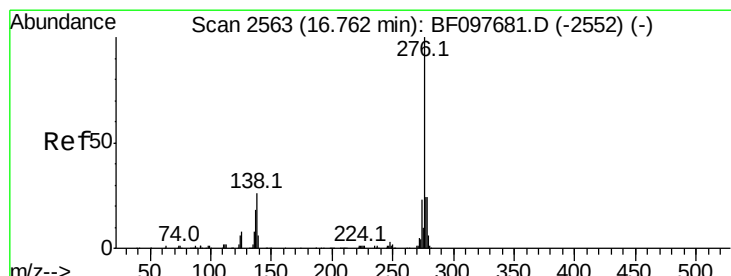
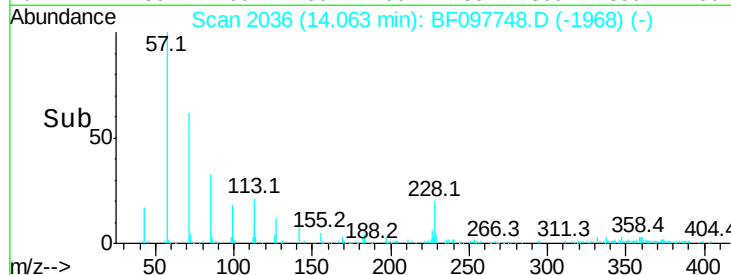
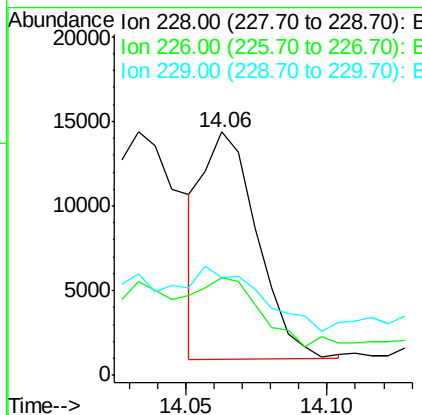
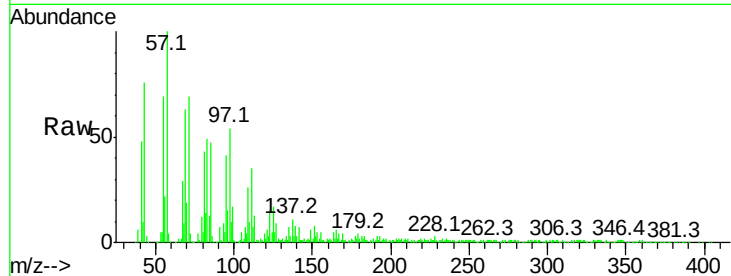
ClientSampleId :

DRUM-1-6-COMP

Tot Ion:	228	Resp:	17986
Ion Ratio	Lower	Upper	
228	100		
226	40.0	24.9	37.3#
229	40.3	15.8	23.6#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.130 ng

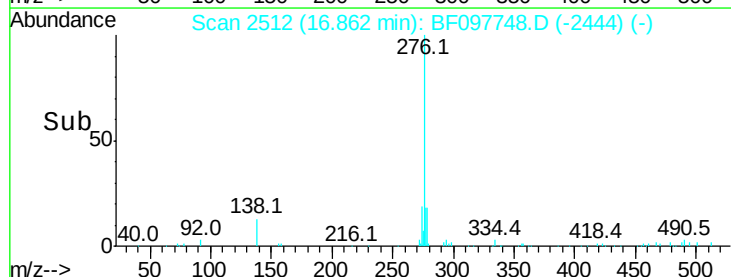
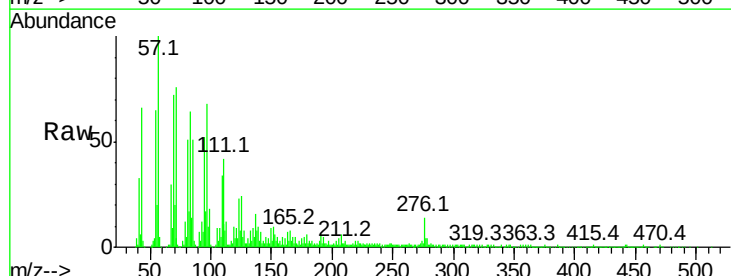
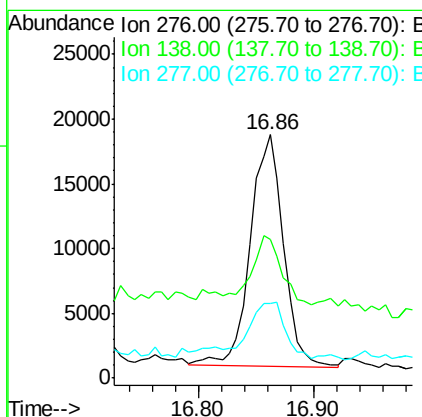
RT: 16.86 min Scan# 2512

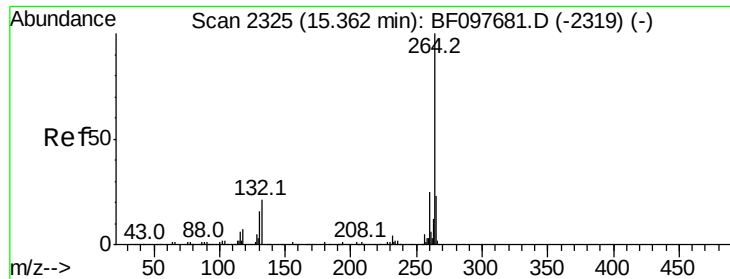
Delta R.T. 0.10 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Tgt Ion:	276	Resp:	35995
Ion Ratio	Lower	Upper	
276	100		
138	26.2	27.8	41.6#
277	24.0	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.12 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

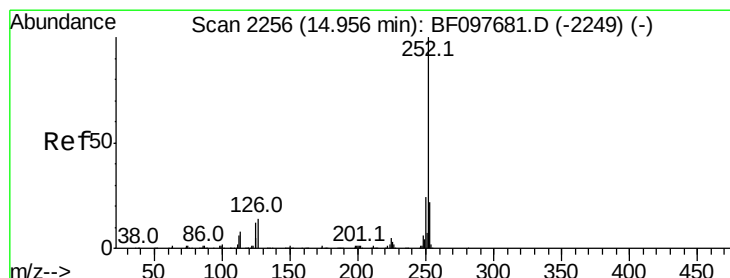
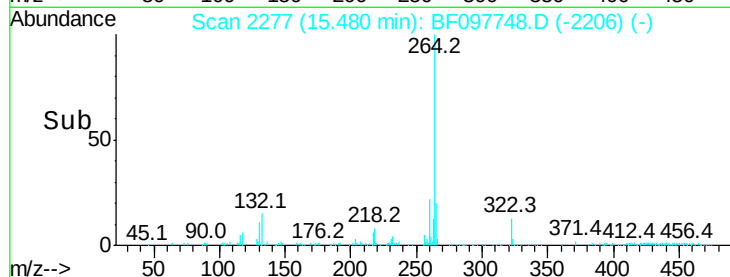
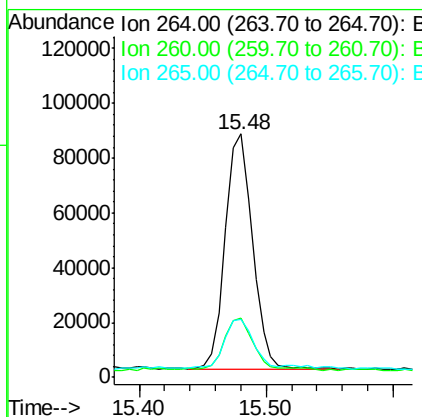
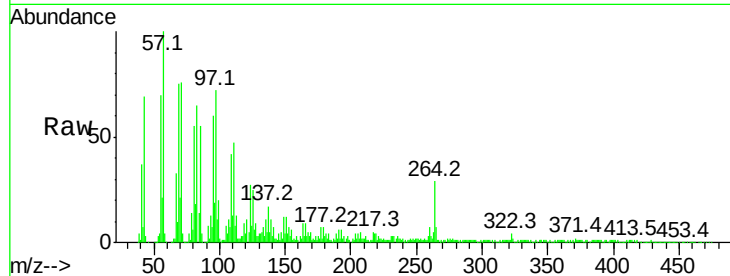
ClientSampleId :

DRUM-1-6-COMP

Tot Ion:	264	Resp:	129075
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	23.6	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 6.123 ng m

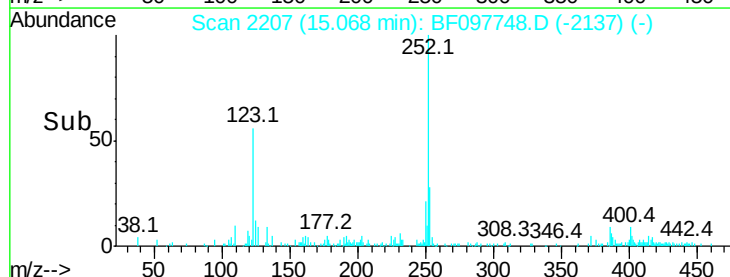
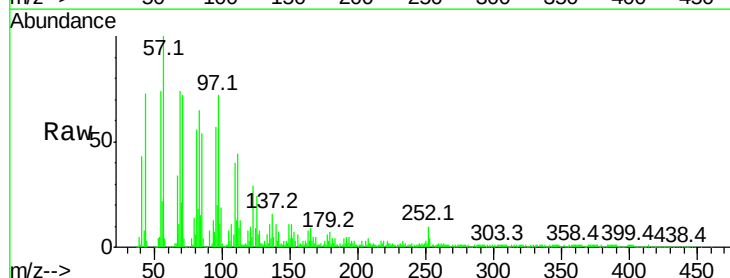
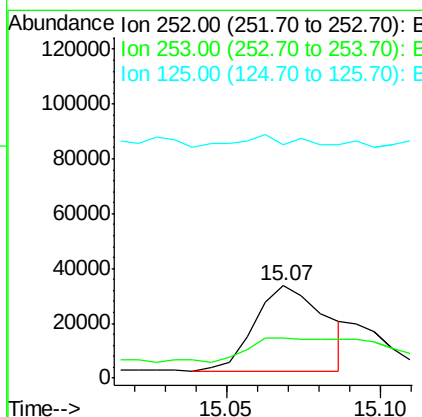
RT: 15.07 min Scan# 2207

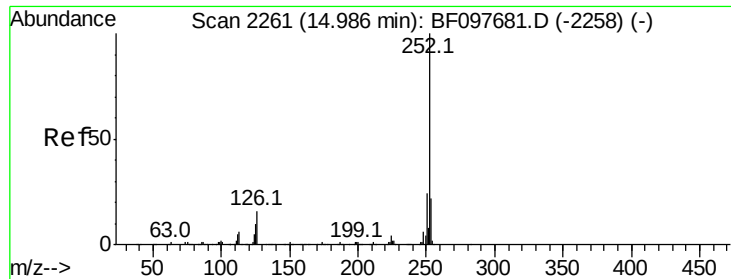
Delta R.T. 0.11 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Tgt Ion:	252	Resp:	49816
Ion Ratio	Lower	Upper	
252	100		
253	43.2	18.1	27.1#
125	252.5	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.256 ng m

RT: 15.09 min Scan# 2210

Delta R.T. 0.10 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Instrument :

BNA_F

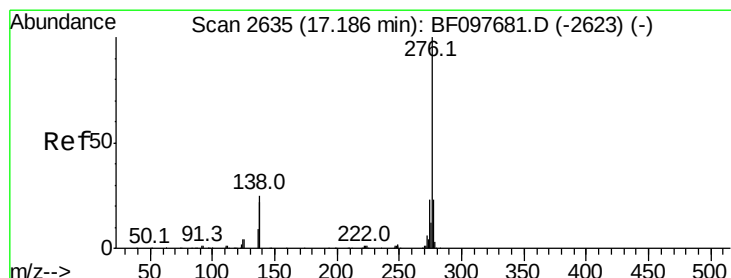
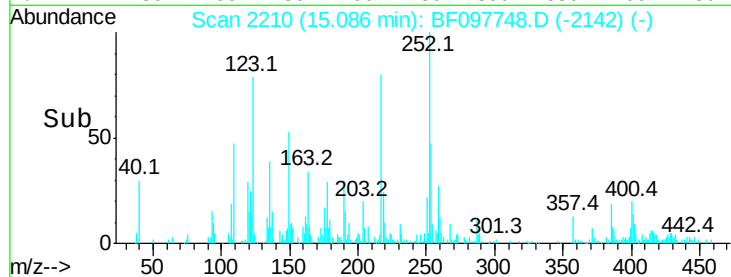
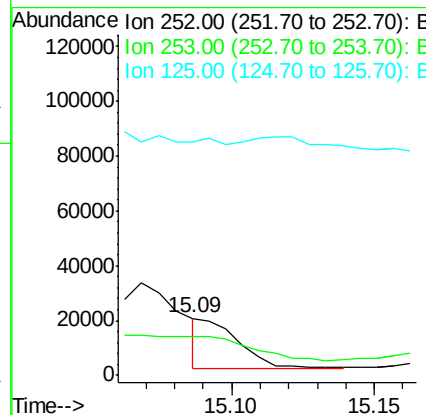
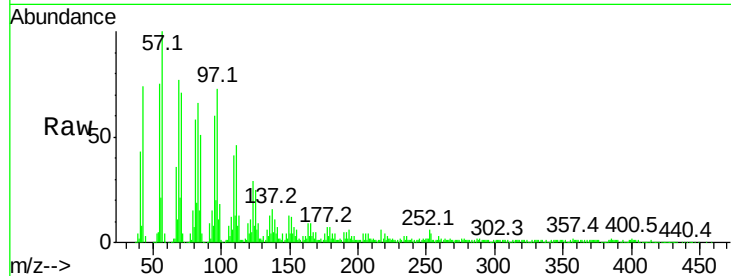
ClientSampleId :

DRUM-1-6-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	68.7	18.4	27.6#
125	411.6	13.1	19.7#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.674 ng

RT: 17.27 min Scan# 2582

Delta R.T. 0.09 min

Lab File: BF097748.D

Acq: 16 Aug 2017 19:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	34.4	18.6	28.0#
138	49.2	25.4	38.0#

