

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
 Data File : BF096263.D
 Acq On : 28 Jun 2017 21:36
 Operator : SJ/MA
 Sample : I3852-16 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-38-1.5-3

Manual Integrations
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Quant Time: Jun 29 05:09:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	145982	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	573943	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	226705	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	377225	20.00	ng	0.01
75) Chrysene-d12	13.93	240	341918	20.00	ng	0.01
86) Perylene-d12	15.36	264	256424	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	215635	21.28	ng	0.00
7) Phenol-d6	6.40	99	258868	21.10	ng	0.01
23) Nitrobenzene-d5	7.33	82	127731	15.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	46209	25.90	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	228146	18.43	ng	-0.01
78) Terphenyl-d14	12.87	244	193301	14.11	ng	0.00
Target Compounds						Qvalue
71) Anthracene	11.37	178	47024	2.23	ng	98
74) Fluoranthene	12.50	202	157302	7.51	ng	93
77) Pyrene	12.73	202	152975	5.44	ng	97
80) Benzo(a)anthracene	13.92	228	86282	4.14	ng	94
82) Chrysene	13.95	228	99654	4.62	ng	96
85) Indeno(1,2,3-cd)pyrene	16.76	276	43758	2.45	ng	98
87) Benzo(b)fluoranthene	14.95	252	130505m	7.75	ng	
88) Benzo(k)fluoranthene	14.97	252	43209m	2.81	ng	
89) Benzo(a)pyrene	15.30	252	59411	3.99	ng	# 86
91) Benzo(g,h,i)perylene	17.17	276	38898	3.21	ng	# 89

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

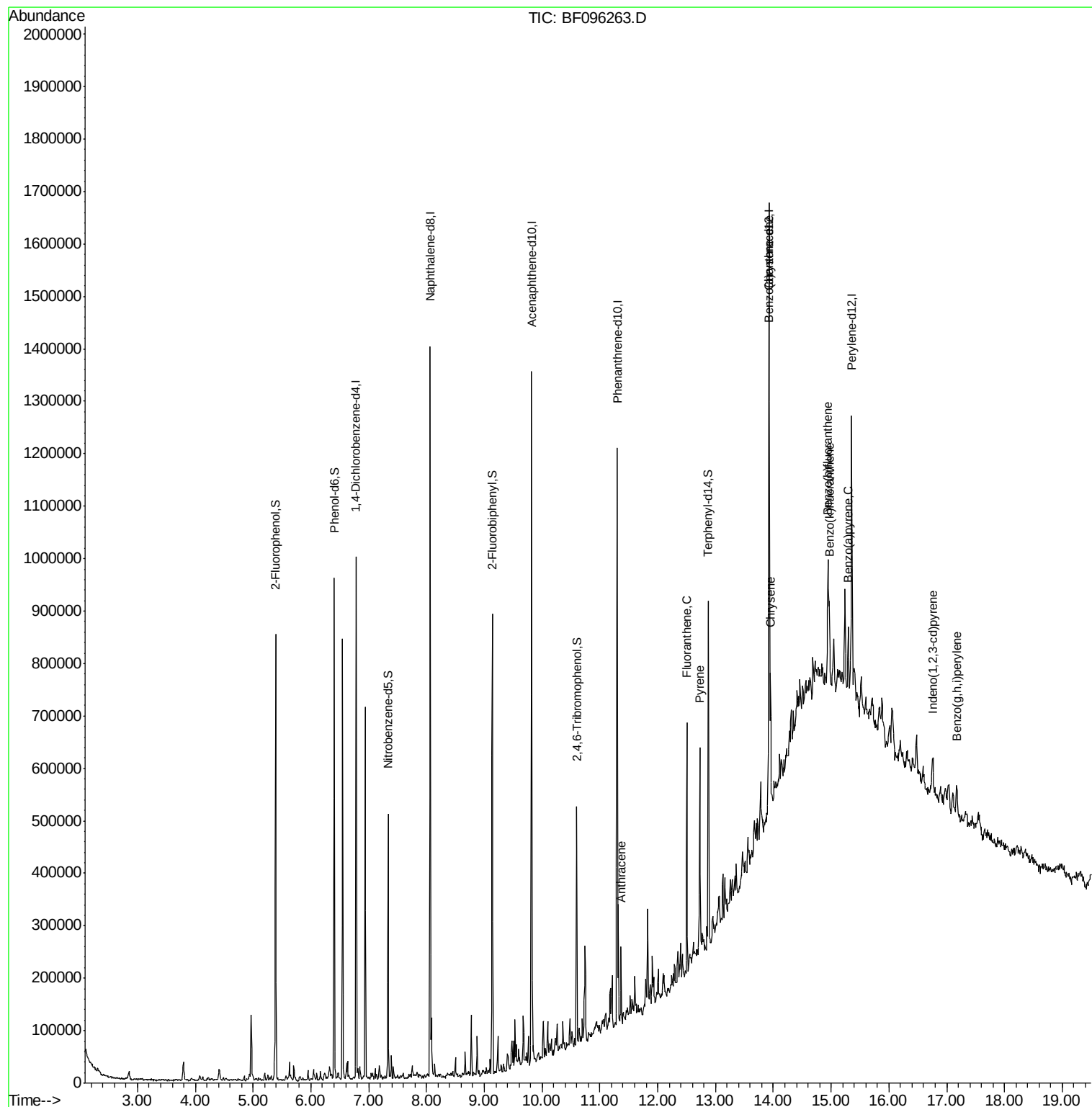
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062817\
Data File : BF096263.D
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Operator : SJ/MA
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Misc :
ALS Vial : 22 Sample Multiplier: 1

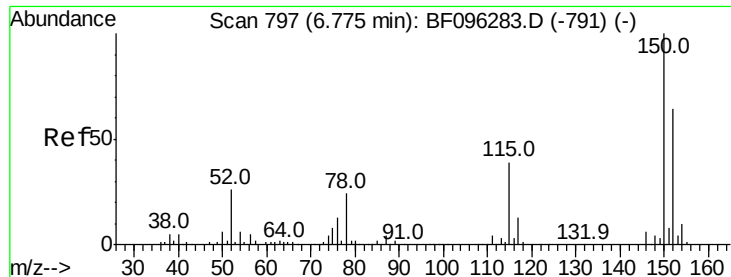
Instrument :
BNA_F
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G-38-1.5-3

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#1

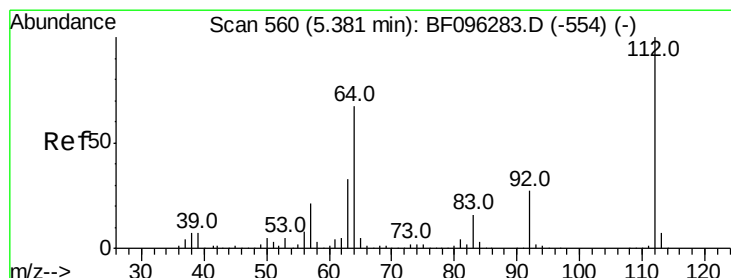
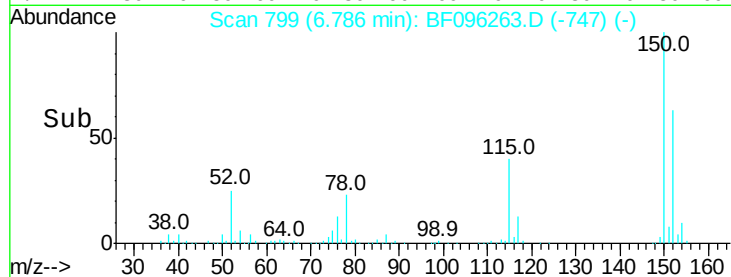
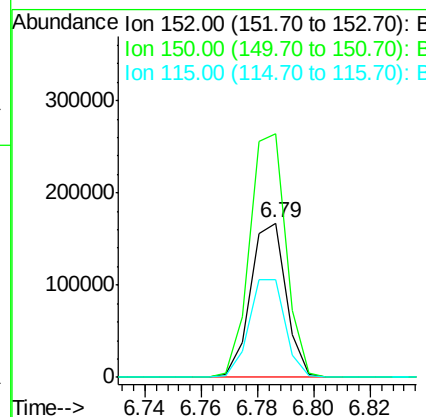
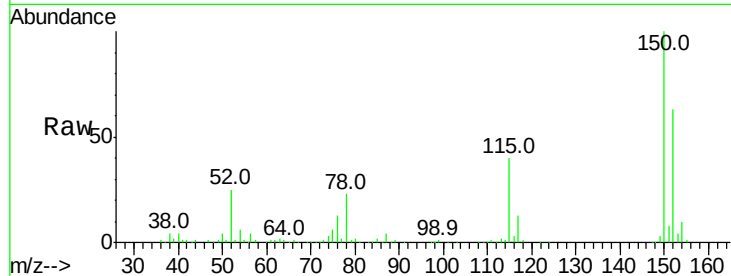
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
G-38-1.5-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	63.2	52.2	78.2

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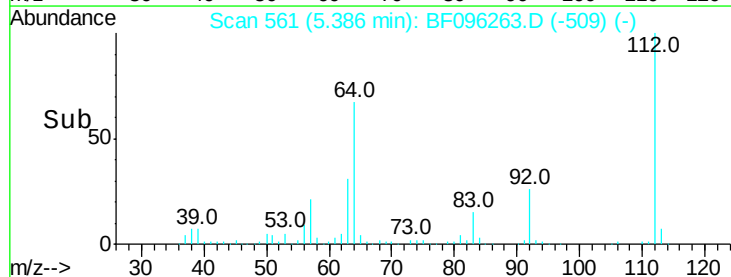
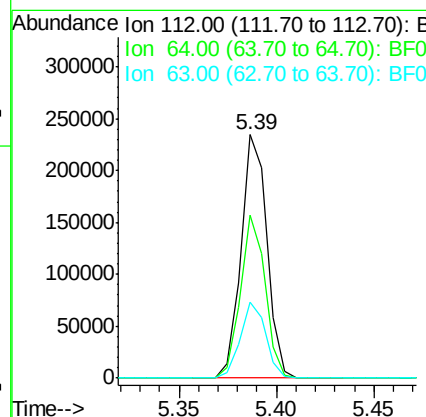
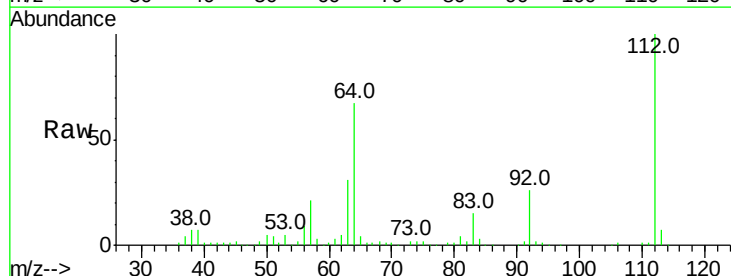
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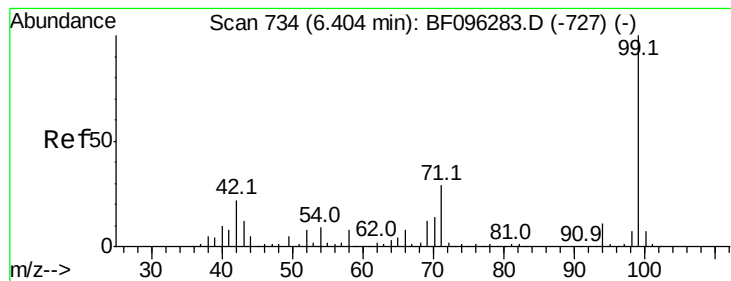


#5

2-Fluorophenol
Concen: 21.28 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	46.0	69.0
63	31.4	23.4	35.0





#7

Phenol-d6

Concen: 21.10 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

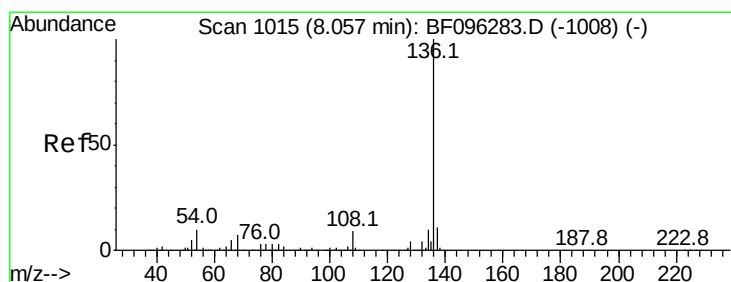
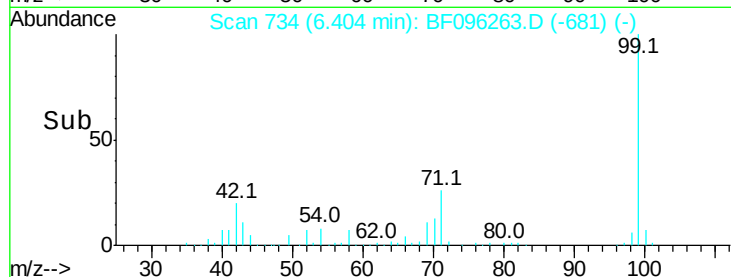
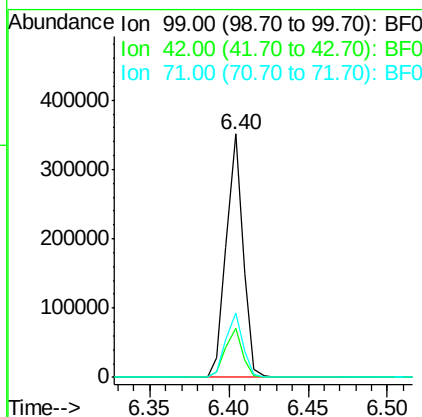
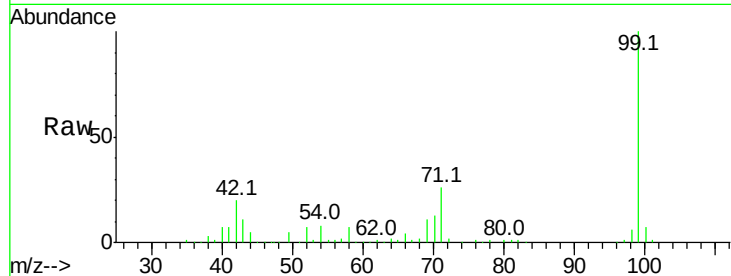
ClientSampleId :

G-38-1.5-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		258868		
42	20.0	13.5	20.3		
71	26.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

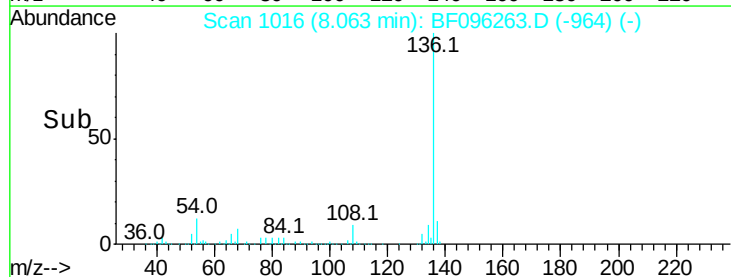
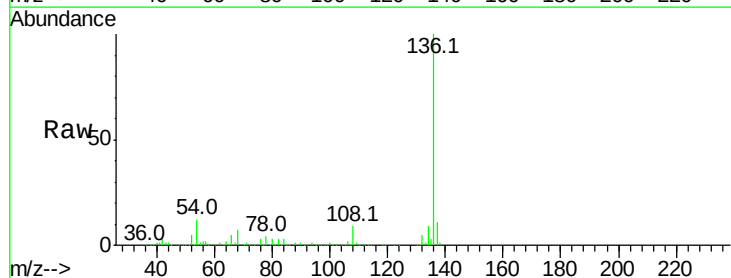
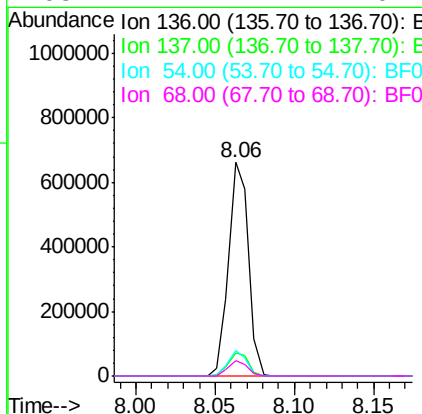
RT: 8.06 min Scan# 1016

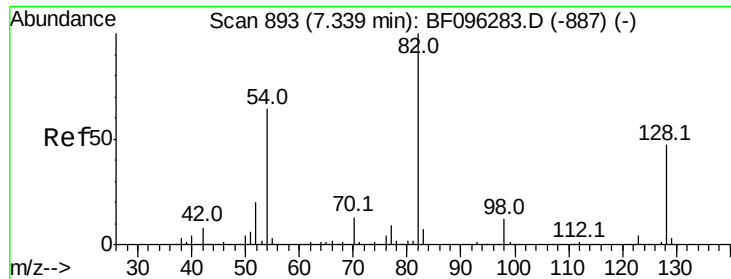
Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		573943		
137	11.1	8.5	12.7		
54	11.8	4.9	7.3#		
68	7.4	4.1	6.1#		





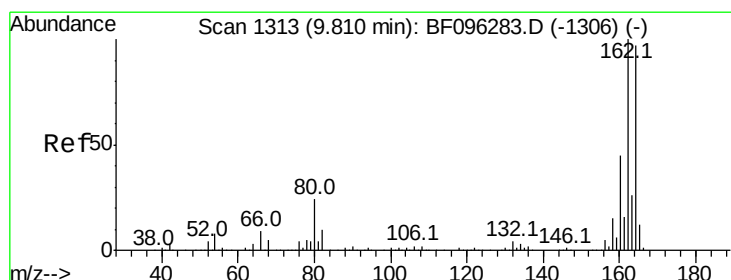
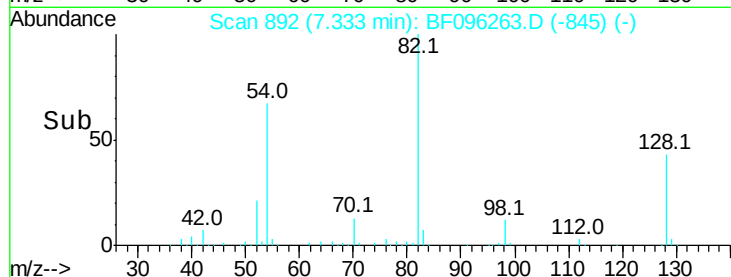
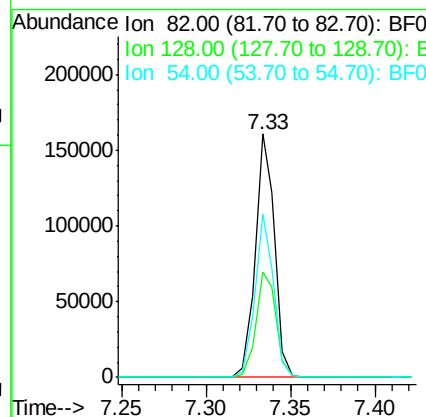
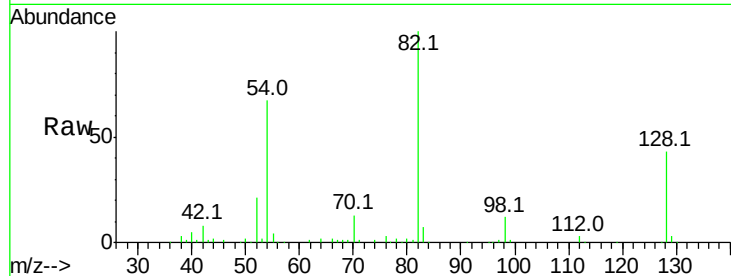
#23
 Nitrobenzene-d5
 Concen: 15.41 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 G-38-1.5-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.0	51.0
54	66.8	42.2	63.2

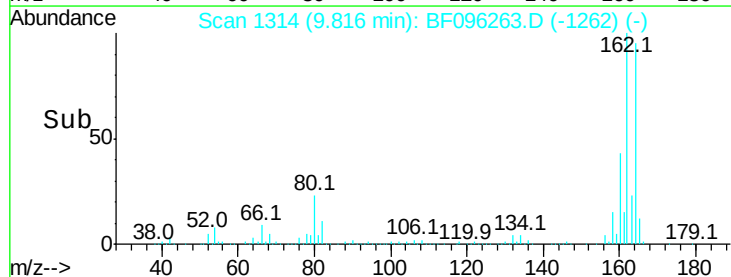
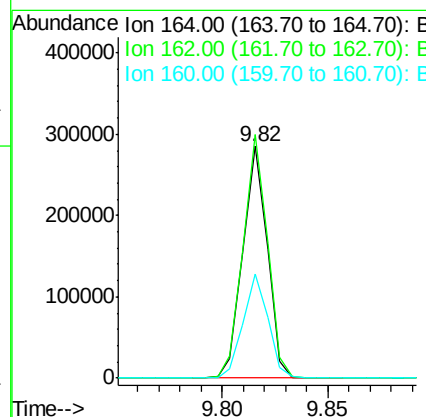
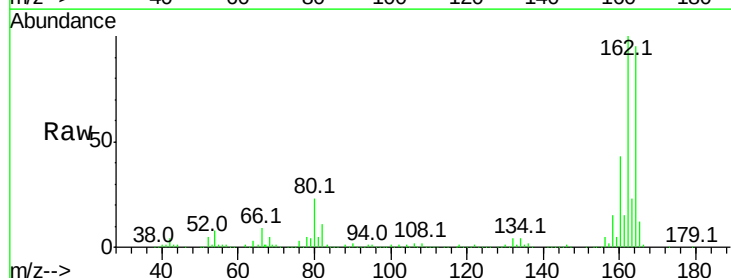
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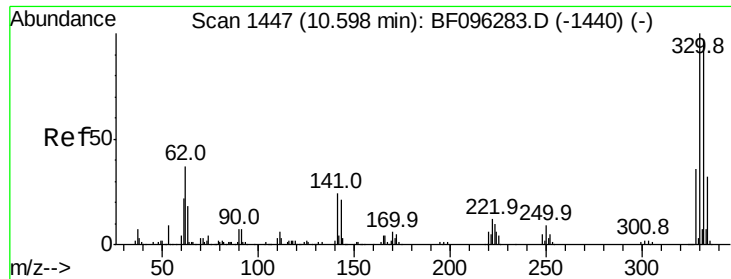
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. 0.01 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.6	123.8
160	44.9	36.2	54.2





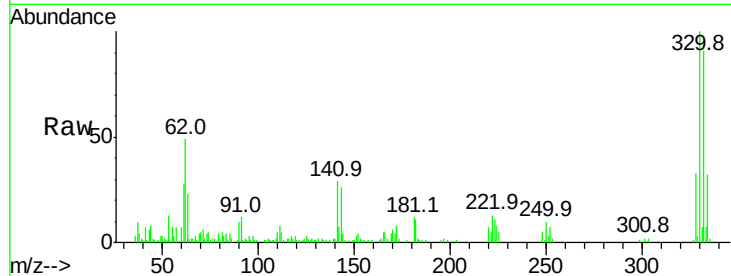
#41
 2,4,6-Tribromophenol
 Concen: 25.90 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. 0.01 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Instrument :
 BNA_F
 ClientSampleId :
 G-38-1.5-3

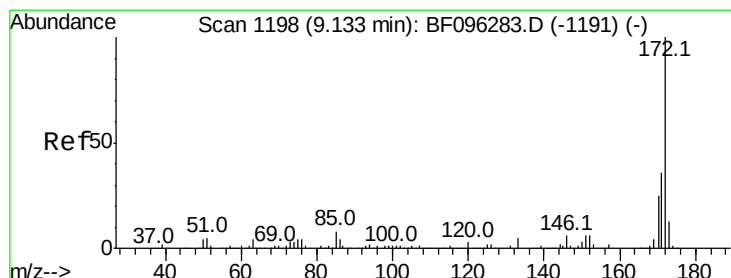
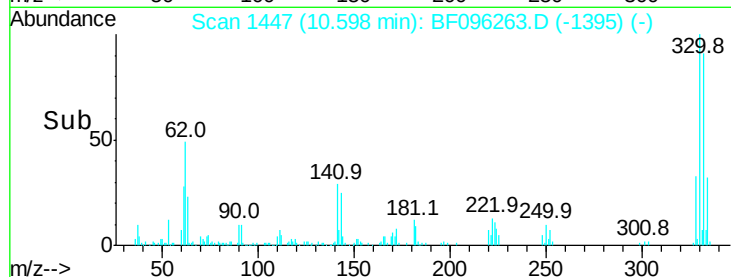
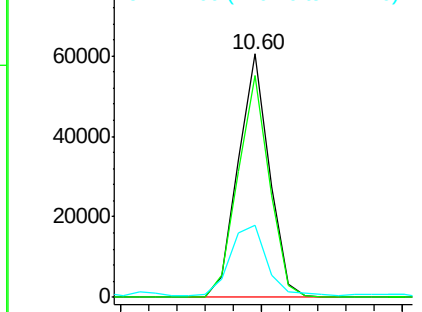
Tot Ion	Ratio	Resp	Lower	Upper
330	100	46209		
332	92.2	76.6	115.0	
141	33.6	31.4	47.2	

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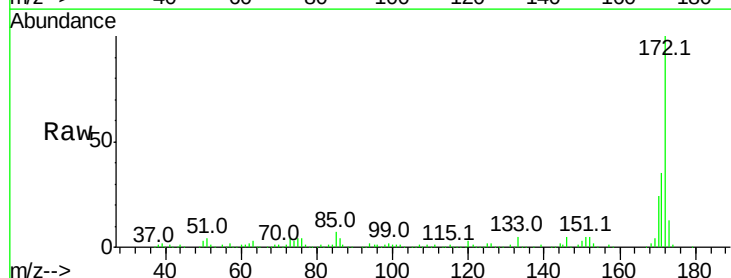


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

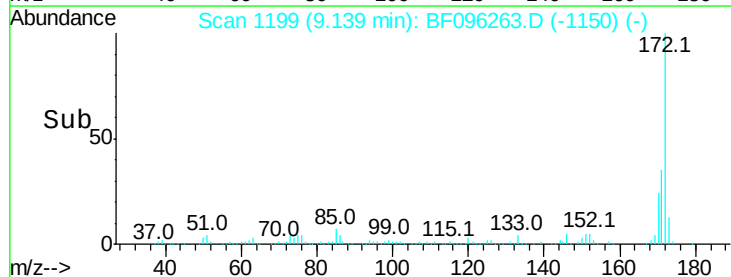
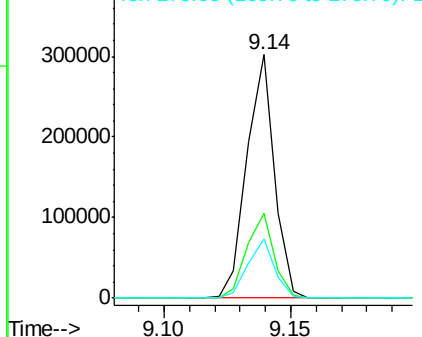


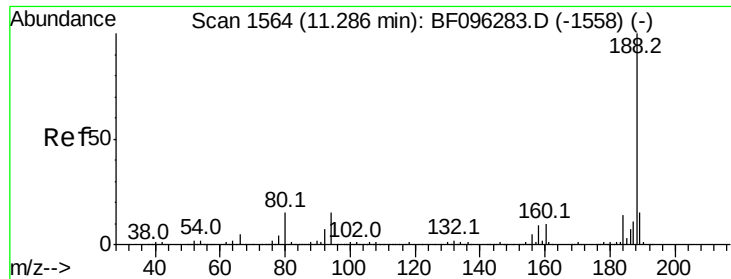
#44
 2-Fluorobiphenyl
 Concen: 18.43 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF096263.D
 Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	228146		
171	35.1	29.6	44.4	
170	24.2	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

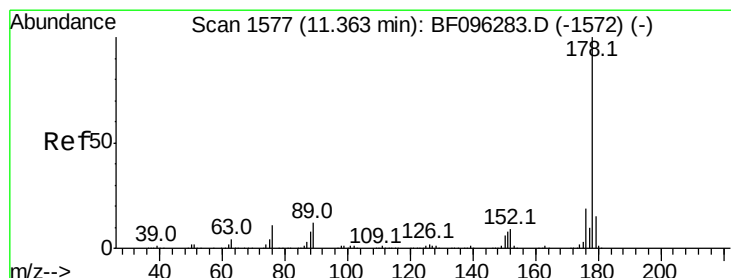
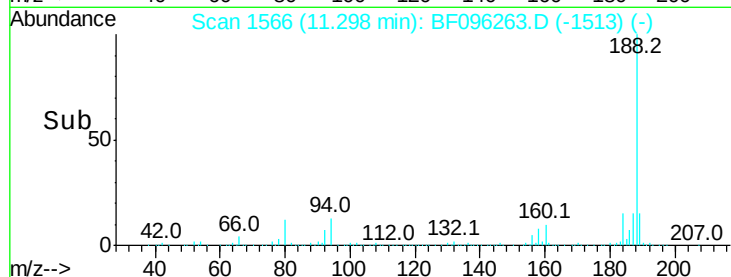
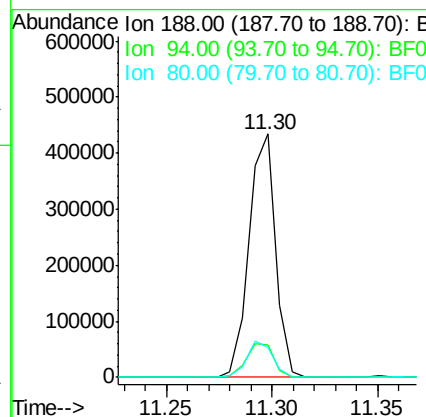
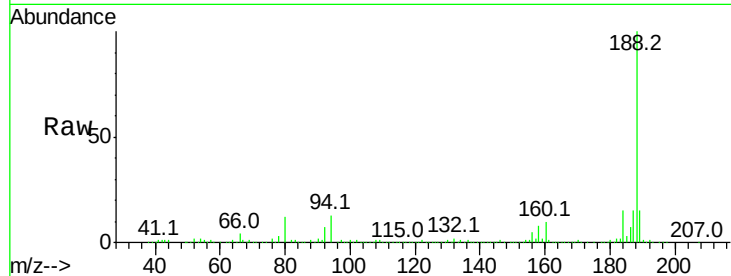
ClientSampled :

G-38-1.5-3

Tot Ion:	188	Resp:	377225
Ion Ratio	Lower	Upper	
188	100		
94	13.3	9.4	14.2
80	12.5	10.2	15.2

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#71

Anthracene

Concen: 2.23 ng

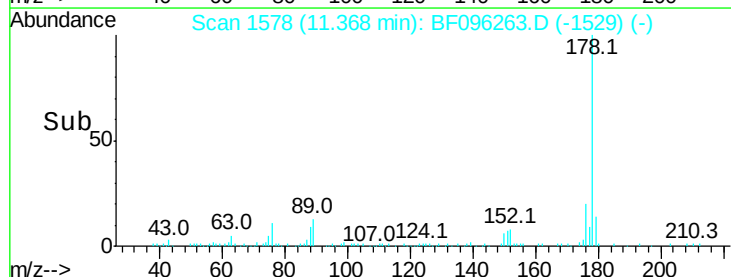
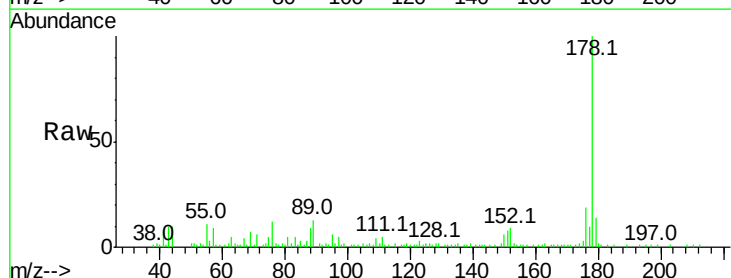
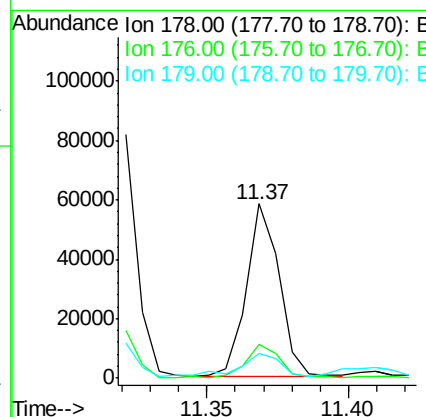
RT: 11.37 min Scan# 1578

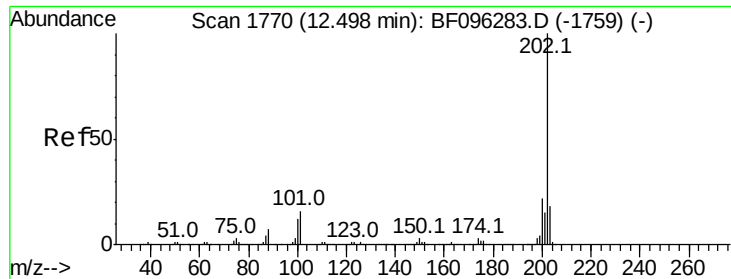
Delta R.T. -0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion:	178	Resp:	47024
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	14.5	12.7	19.1





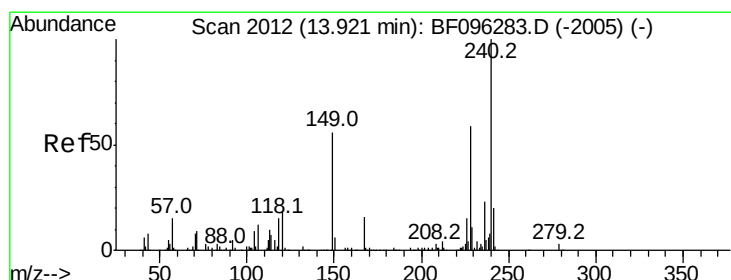
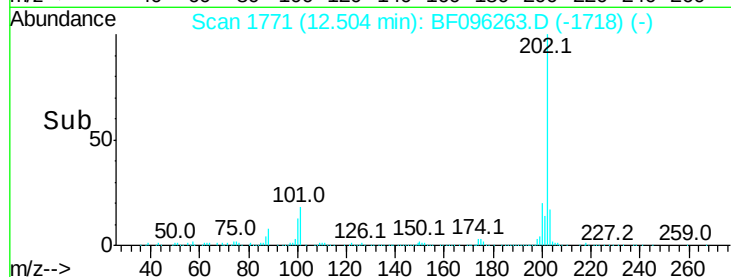
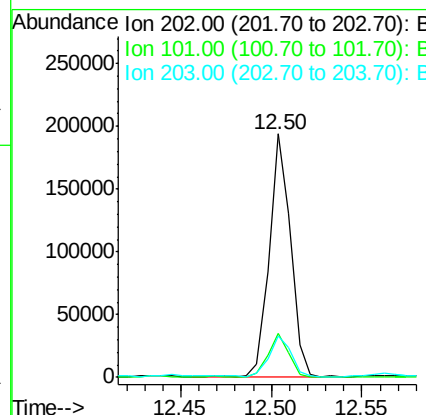
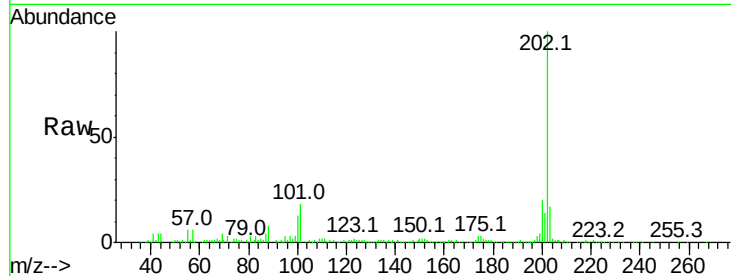
#74
Fluoranthene
Concen: 7.51 ng
RT: 12.50 min Scan# 1771
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampled :
G-38-1.5-3

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	17.8	0.0	33.2
203	16.8	0.0	38.1

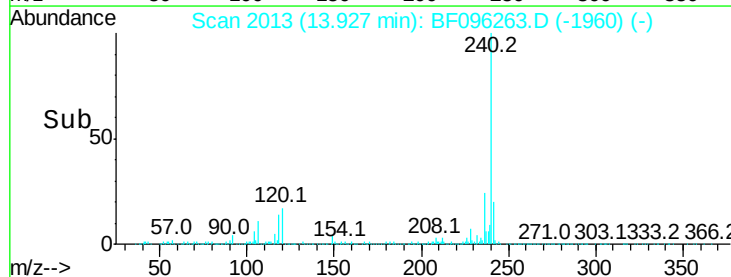
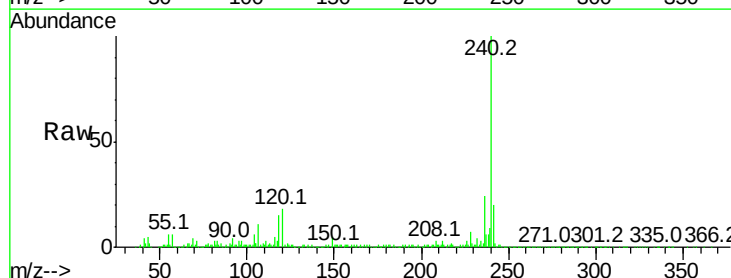
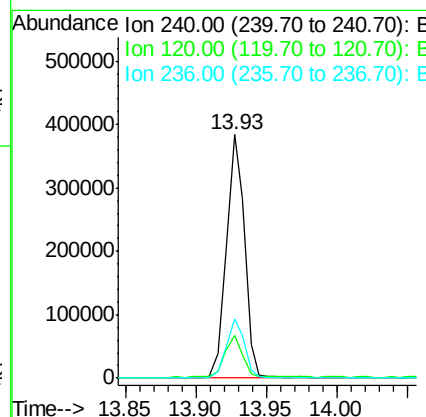
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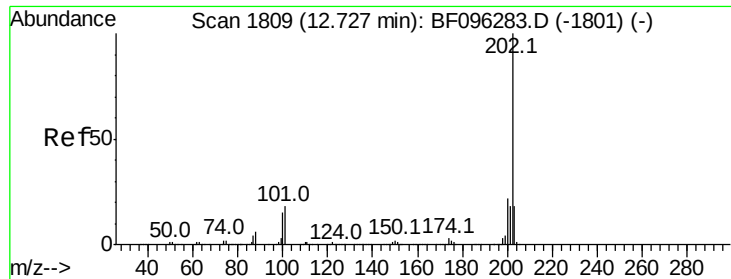
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.7	5.8	8.8#
236	24.1	20.5	30.7





#77

Pvrene

Concen: 5.44 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

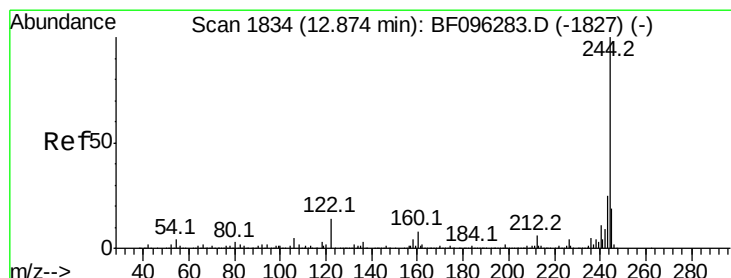
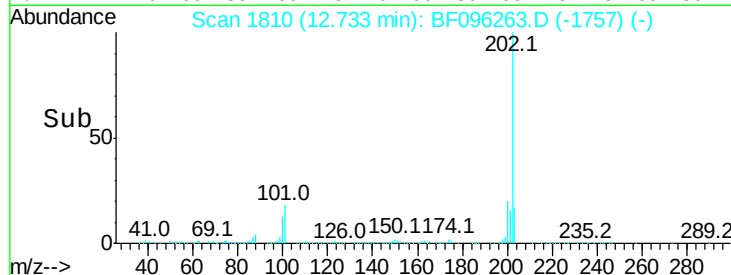
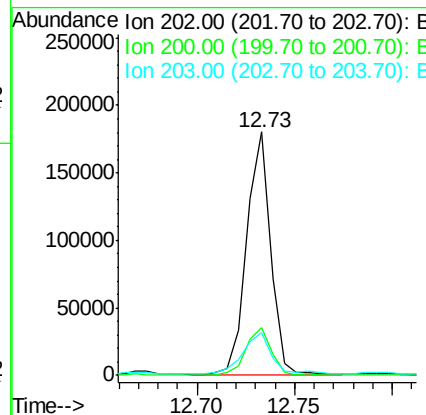
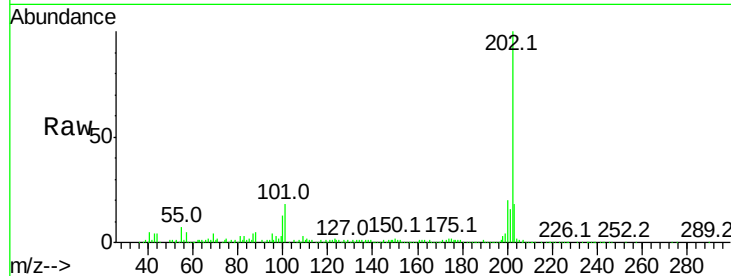
ClientSampleId :

G-38-1.5-3

Tot Ion:	202	Resp:	152975
Ion Ratio		Lower	Upper
202	100		
200	19.7	17.6	26.4
203	17.5	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 14.11 ng

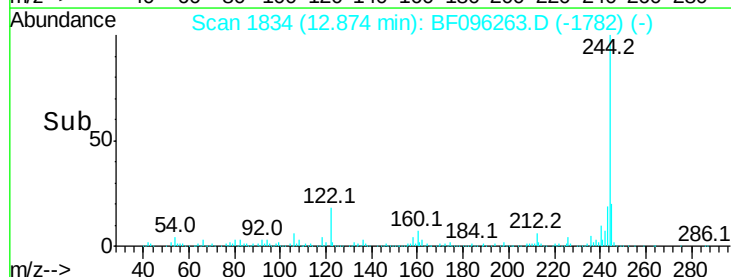
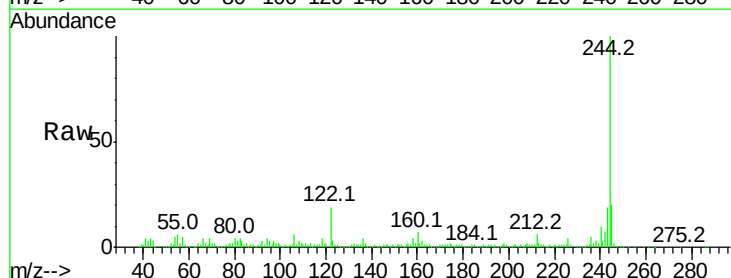
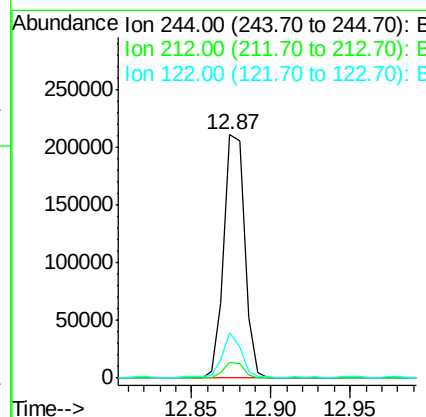
RT: 12.87 min Scan# 1834

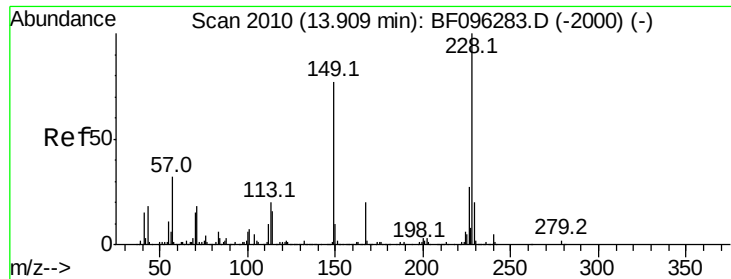
Delta R.T. 0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion:	244	Resp:	193301
Ion Ratio		Lower	Upper
244	100		
212	6.2	6.0	9.0
122	18.6	10.3	15.5#





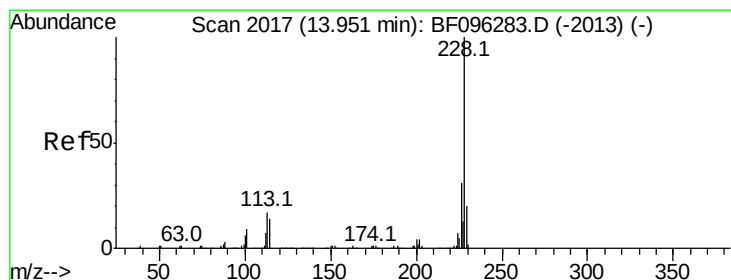
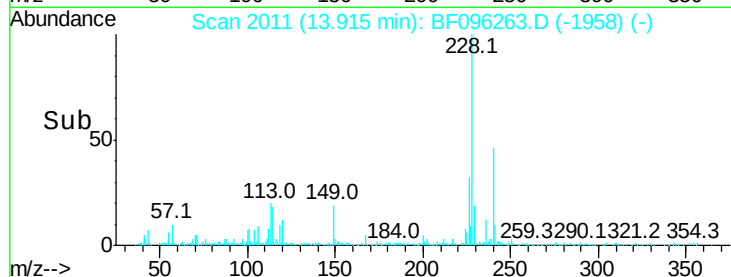
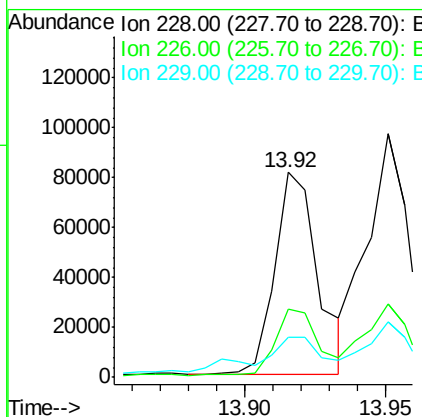
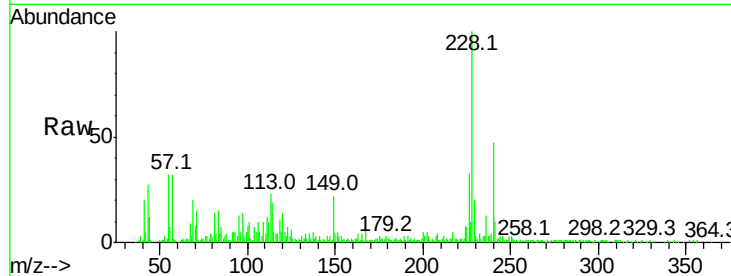
#80
Benzo(a)anthracene
Concen: 4.14 ng
RT: 13.92 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
G-38-1.5-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.6	33.8
229	19.9	16.3	24.5

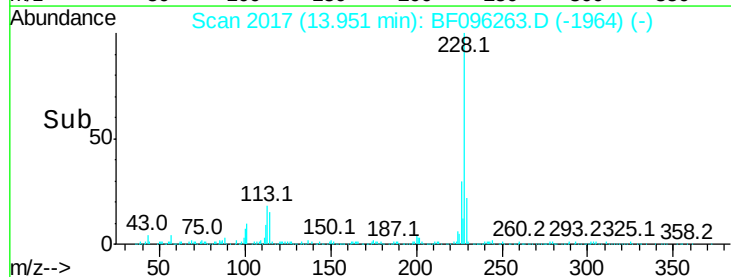
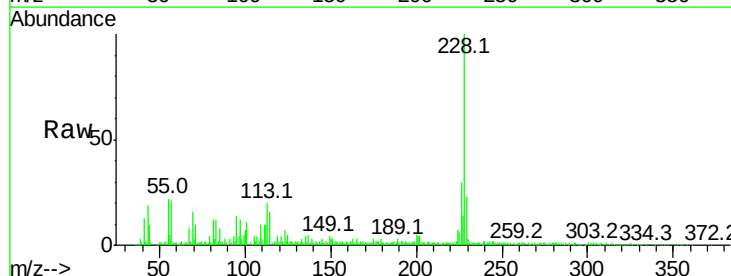
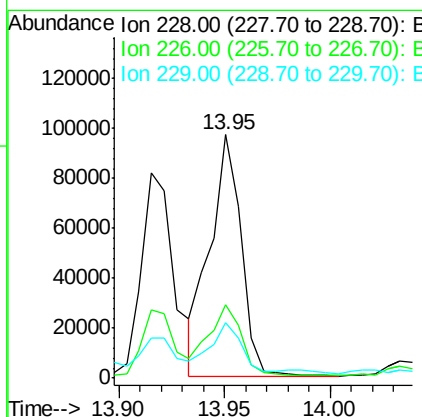
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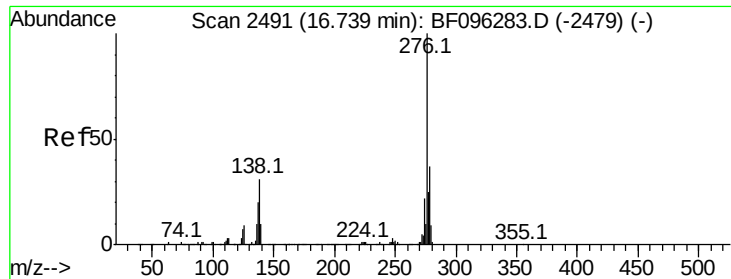
mohammad
6/29/2017 5:59:45 PM



#82
Chrysene
Concen: 4.62 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	23.0	15.8	23.6





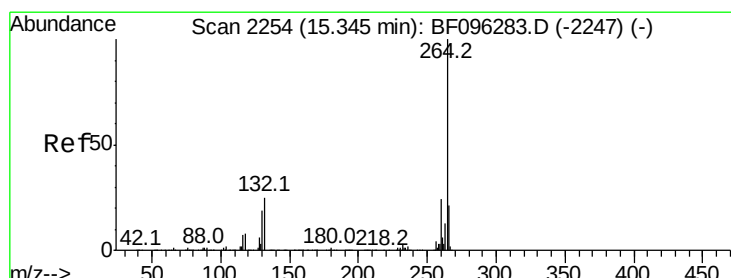
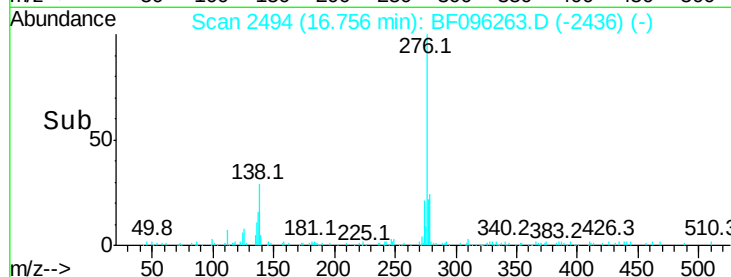
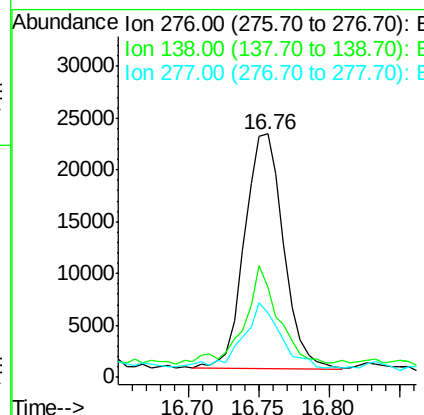
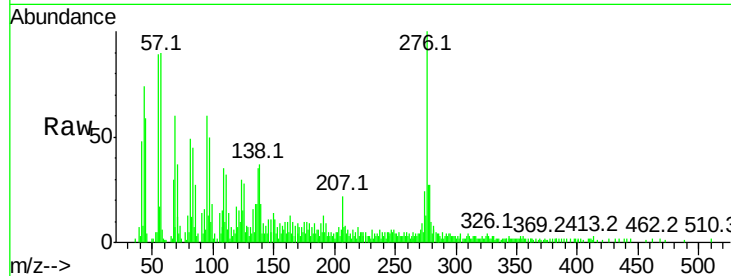
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.45 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.04 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
G-38-1.5-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	35.8	27.8	41.6
277	26.7	20.2	30.4

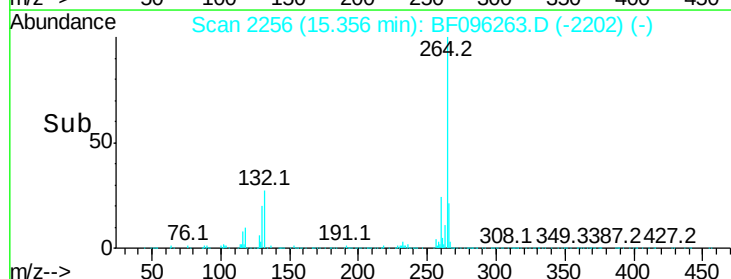
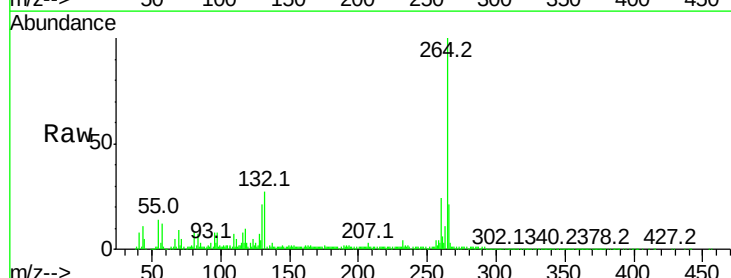
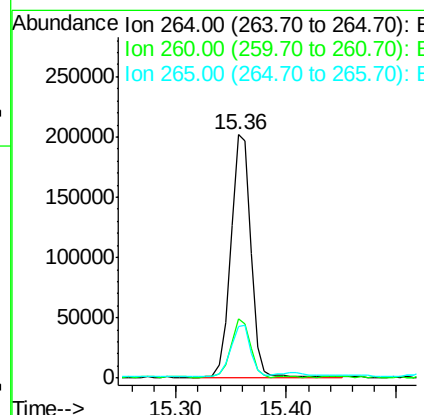
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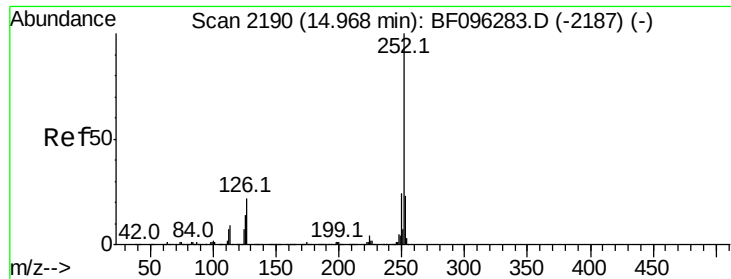
mohammad
6/29/2017 5:59:45 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.02 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 7.75 ng m

RT: 14.95 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Instrument :

BNA_F

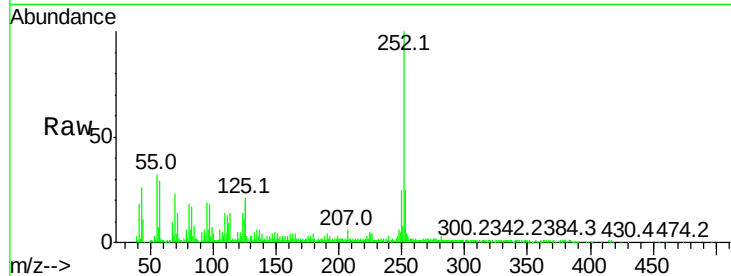
ClientSampleId :

G-38-1.5-3

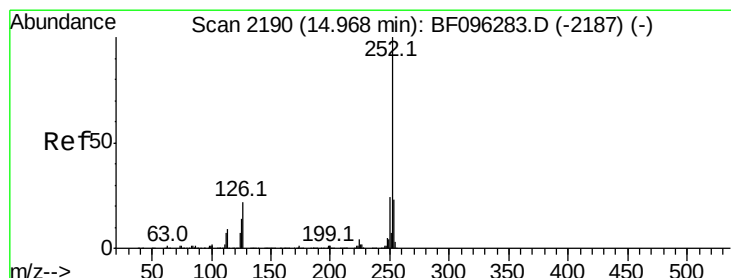
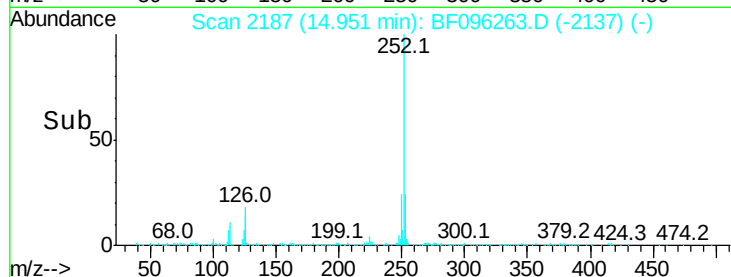
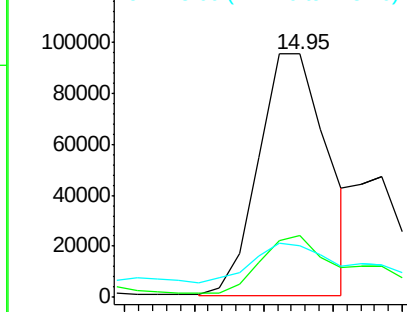
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	21.1	9.8	14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.81 ng m

RT: 14.97 min Scan# 2191

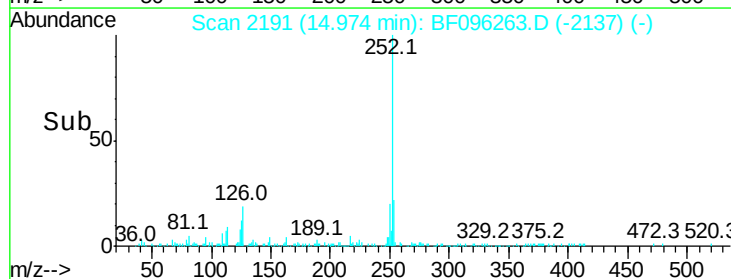
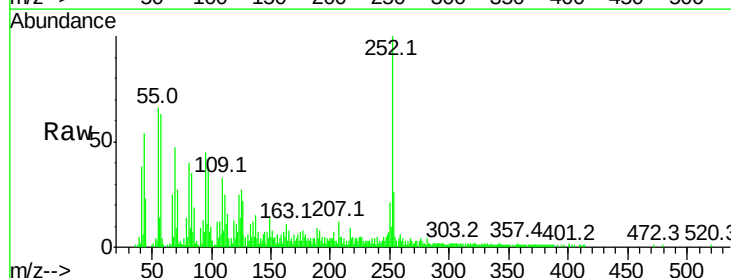
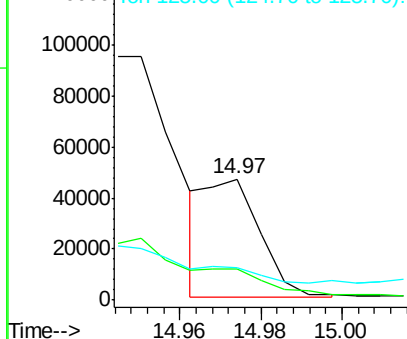
Delta R.T. 0.02 min

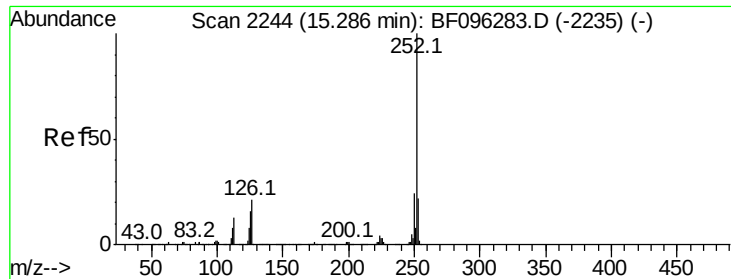
Lab File: BF096263.D

Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.4	27.6
125	27.2	13.1	19.7#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





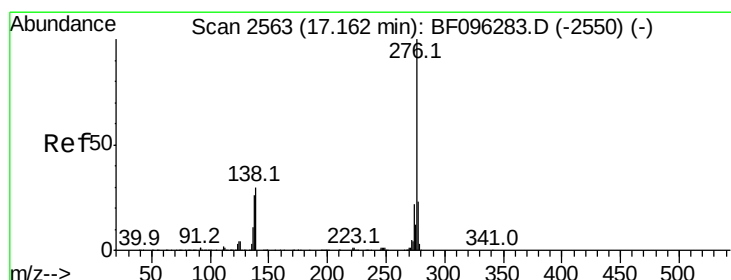
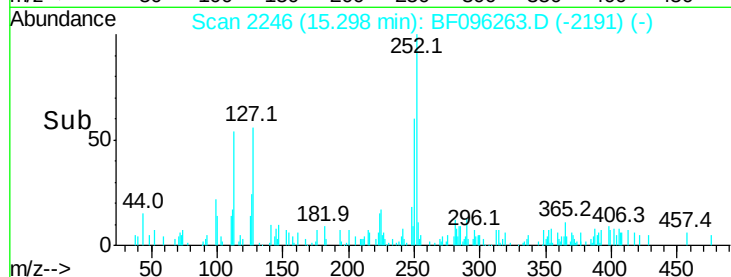
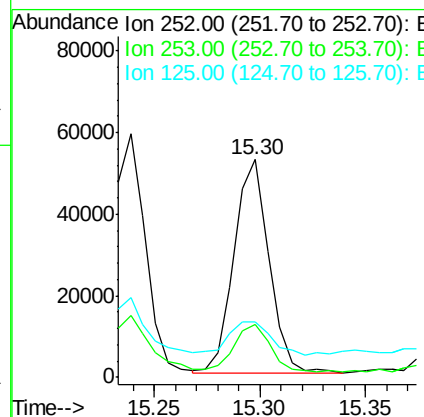
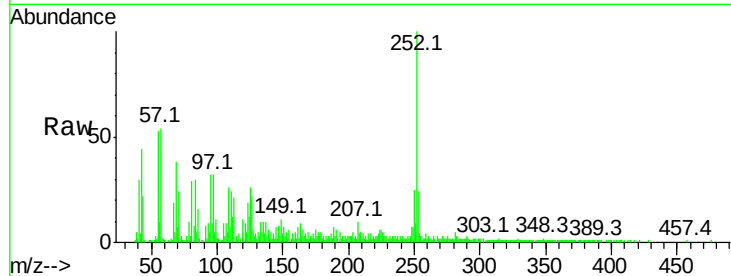
#89
Benzo(a)pyrene
Concen: 3.99 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Instrument :
BNA_F
ClientSampleId :
G-38-1.5-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	25.7	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 3.21 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.04 min
Lab File: BF096263.D
Acq: 28 Jun 2017 21:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	39.5	25.4	38.0

