

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
 Data File : BM003318.D
 Acq On : 27 Nov 2015 23:22
 Operator : UM/IZ
 Sample : G4510-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

Manual Integrations
 APPROVED

Mmdadoda
 11/30/2015 5:45:55 PM

Quant Time: Nov 28 02:29:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM112715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 27 16:36:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	55455	5.00	ng	0.00
7) Naphthalene-d8	10.53	136	217057	5.00	ng	0.00
13) Acenaphthene-d10	14.37	164	103935	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	225956	5.00	ng	0.00
26) Chrysene-d12	21.31	240	169208	5.00	ng	-0.01
35) Perylene-d12	23.58	264	163751	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	50596	4.63	ng	0.00
5) Phenol-d6	6.90	99	43093	3.43	ng	0.00
8) Nitrobenzene-d5	8.89	82	38340	3.97	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	17888	7.43	ng	0.02
15) 2-Fluorobiphenyl	13.00	172	127125	3.79	ng	0.00
29) Terphenyl-d14	19.76	244	117556	4.99	ng	0.00
Target Compounds						Qvalue
25) Fluoranthene	19.19	202	1213	0.02	ng	97
28) Pyrene	19.55	202	1285	0.02	ng	97
30) Benzo(a)anthracene	21.31	228	1639m	0.04	ng	
32) Chrysene	21.35	228	1248m	0.03	ng	
33) Bis(2-ethylhexyl)phthalate	21.23	149	27729	1.93	ng	# 96
34) Indeno(1,2,3-cd)pyrene	25.85	276	1369	0.03	ng	# 79
39) Dibenzo(a,h)anthracene	25.88	278	1360	0.04	ng	# 55
40) Benzo(g,h,i)perylene	26.55	276	1008	0.03	ng	# 61

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

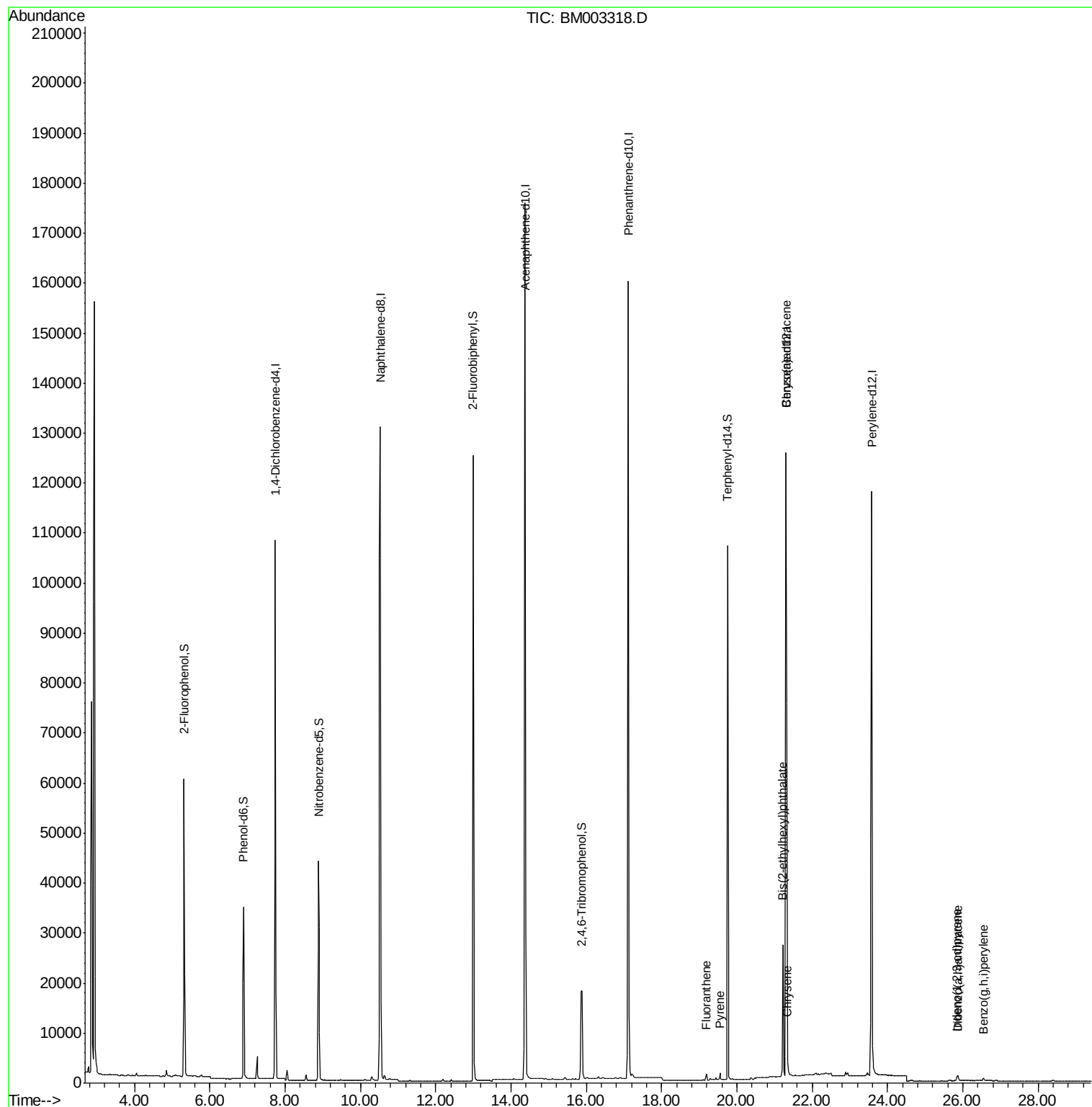
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
Data File : BM003318.D
Acq On : 27 Nov 2015 23:22
Operator : UM/IZ
Sample : G4510-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

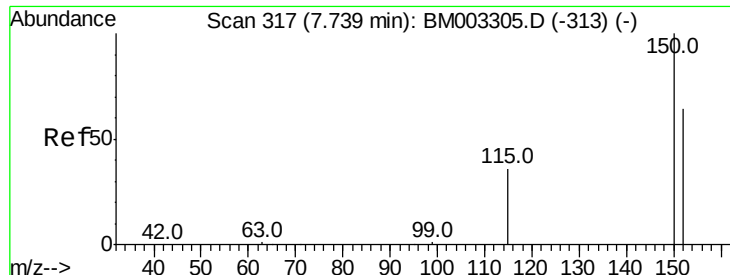
Instrument :
BNA_M
ClientSampleId :
EB-111815

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11/30/2015 5:45:55 PM

Quant Time: Nov 28 02:29:13 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.74 min Scan# 317

Delta R.T. -0.00 min

Lab File: BM003318.D

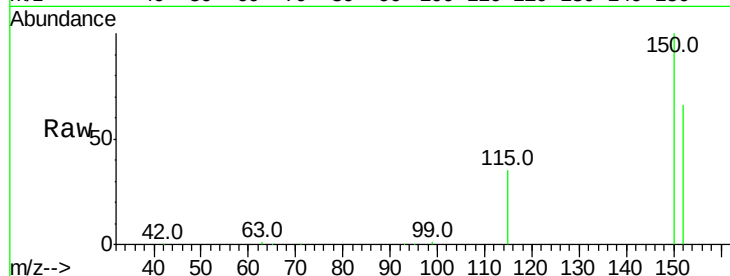
Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815



Tot Ion:152 Resp: 55455

Ion Ratio Lower Upper

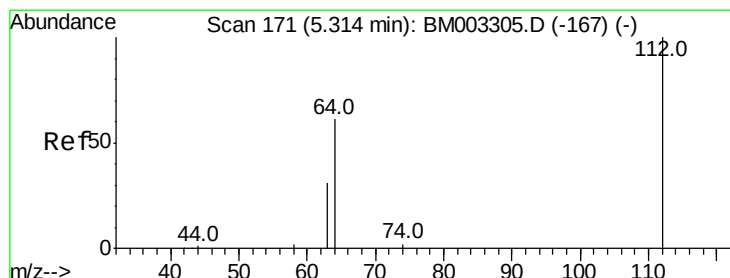
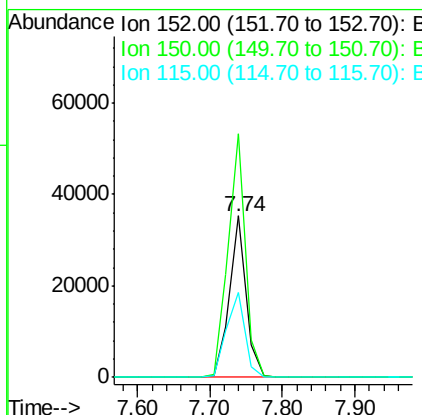
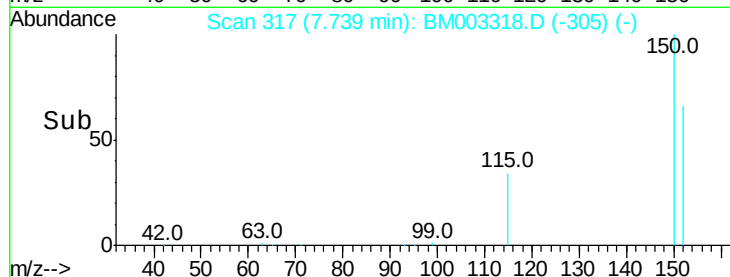
152 100

150 150.8 143.6 215.4

115 52.3 58.5 87.7#

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#4

2-Fluorophenol

Concen: 4.63 ng

RT: 5.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

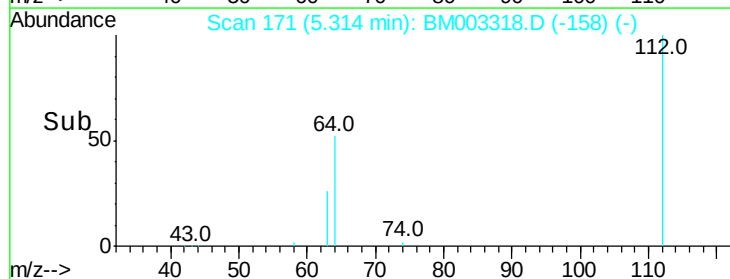
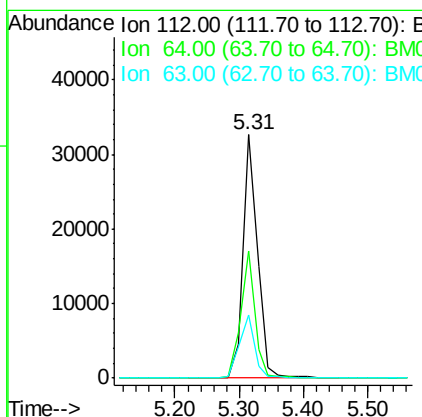
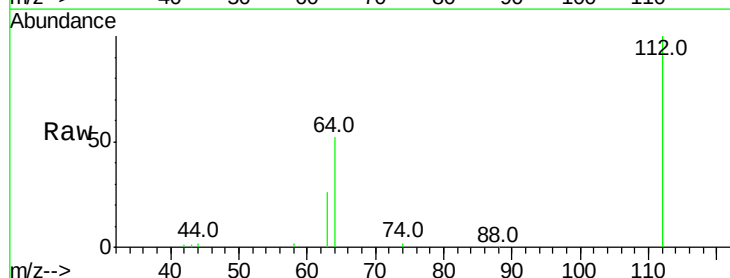
Tgt Ion:112 Resp: 50596

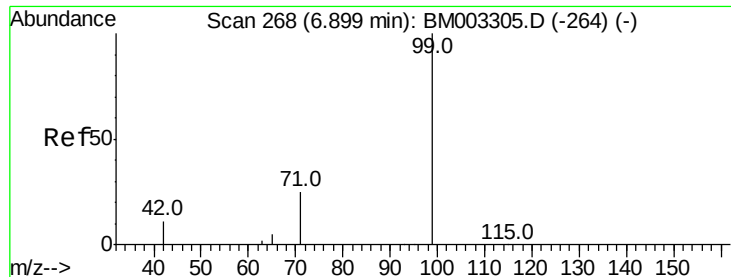
Ion Ratio Lower Upper

112 100

64 50.8 41.2 61.8

63 26.5 21.2 31.8





#5

Phenol-d6

Concen: 3.43 ng

RT: 6.90 min Scan# 268

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

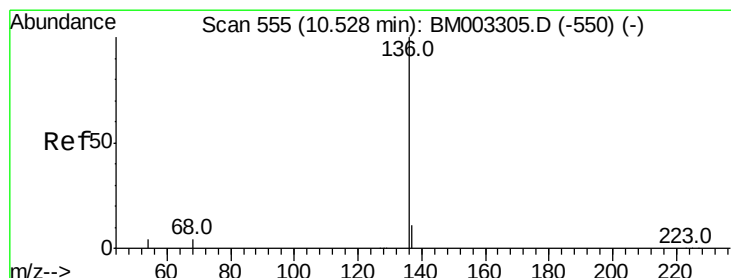
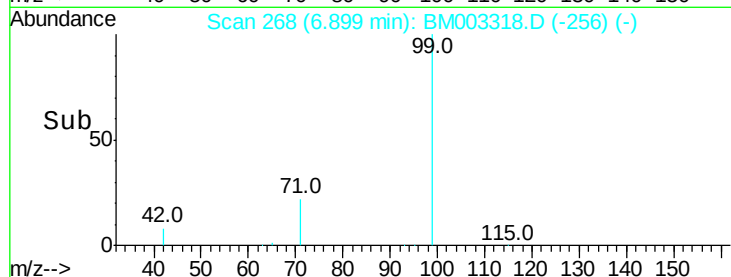
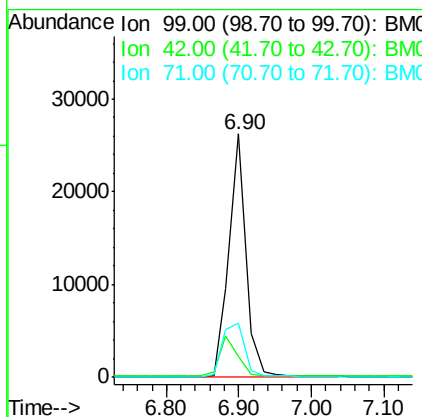
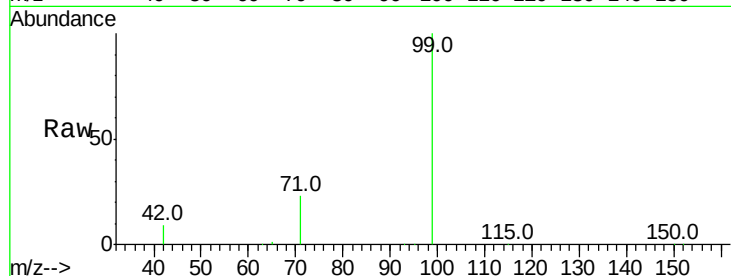
ClientSampleId :

EB-111815

Tot Ion:	99	Resp:	43093
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.6	22.0
71	28.9	23.3	34.9

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#7

Naphthalene-d8

Concen: 5.00 ng

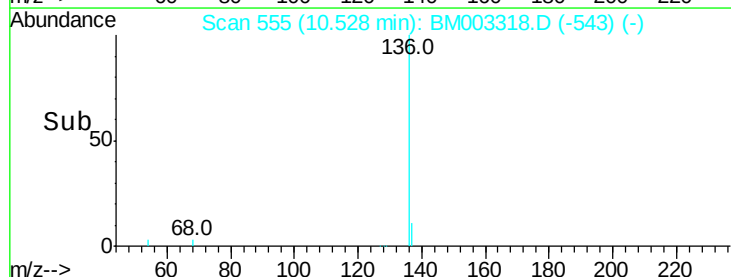
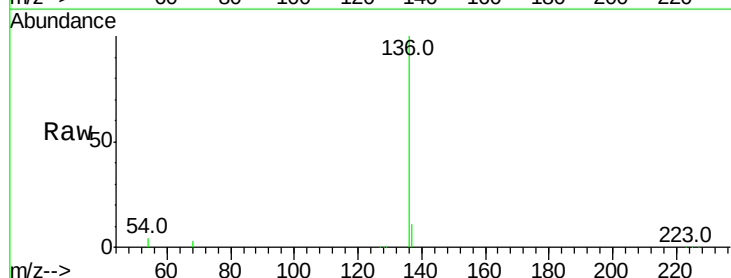
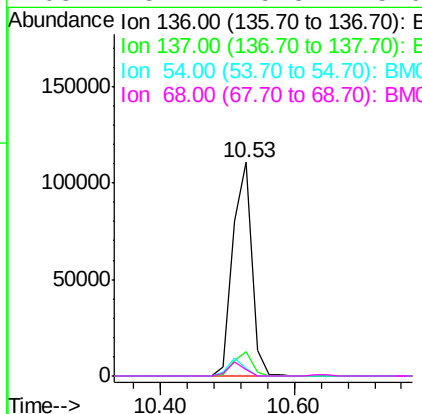
RT: 10.53 min Scan# 555

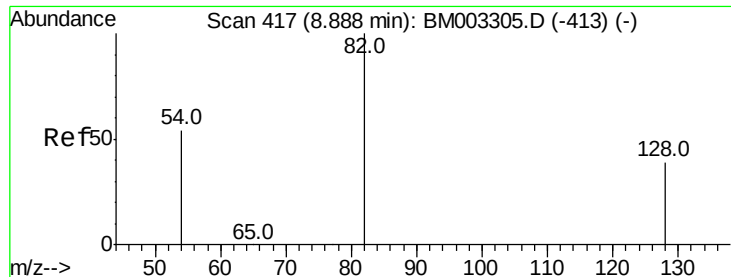
Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Tgt Ion:	136	Resp:	217057
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.0	12.0
54	3.5	7.4	11.0#
68	3.2	5.8	8.6#





#8

Nitrobenzene-d5

Concen: 3.97 ng

RT: 8.89 min Scan# 417

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

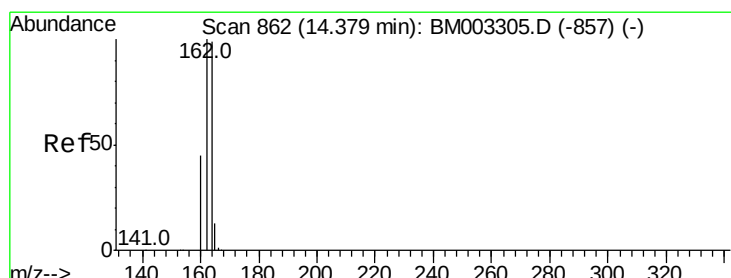
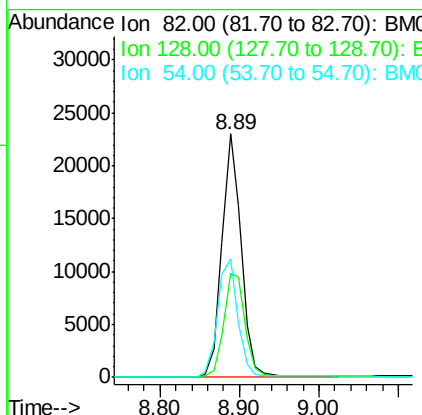
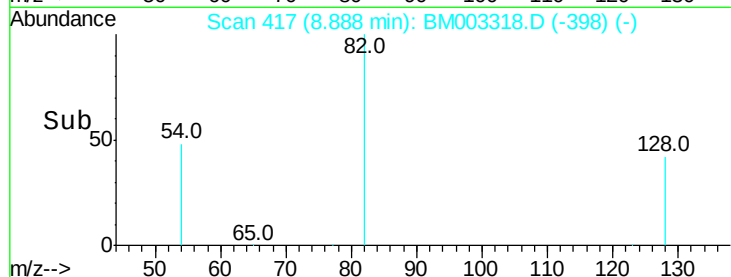
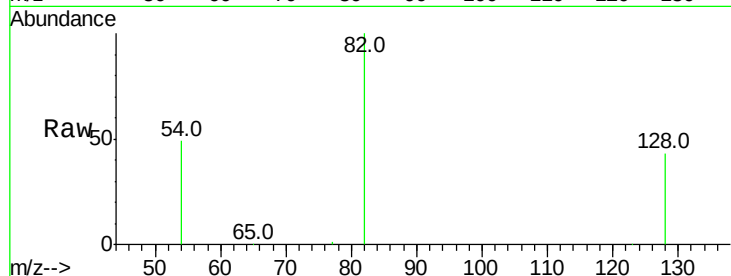
ClientSampleId :

EB-111815

Tot Ion:	82	Resp:	38340
Ion Ratio	Lower	Upper	
82	100		
128	42.7	35.2	52.8
54	48.6	36.4	54.6

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#13

Acenaphthene-d10

Concen: 5.00 ng

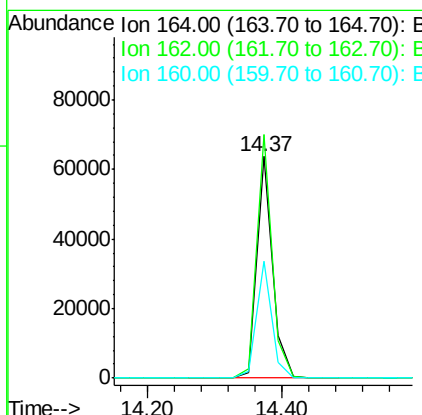
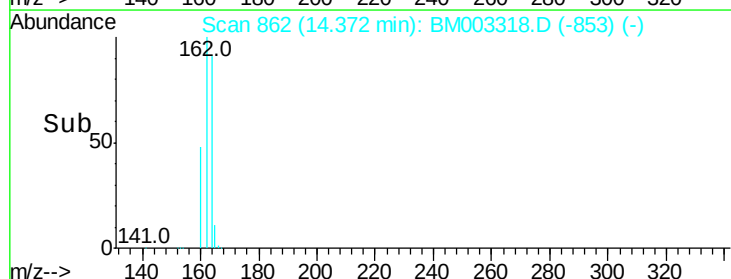
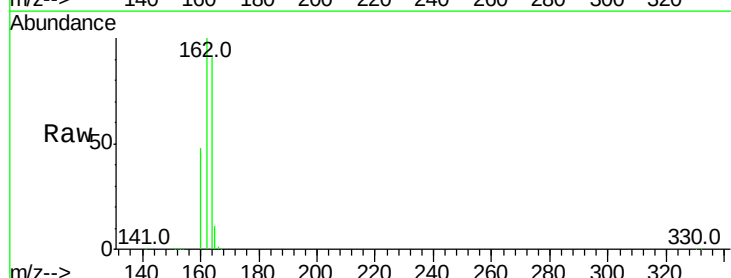
RT: 14.37 min Scan# 862

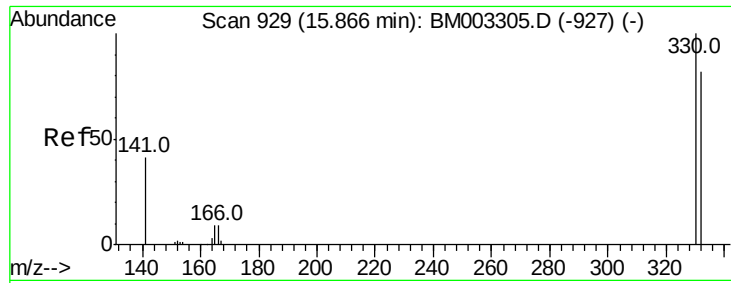
Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Tgt Ion:	164	Resp:	103935
Ion Ratio	Lower	Upper	
164	100		
162	110.0	78.3	117.5
160	52.7	33.8	50.6





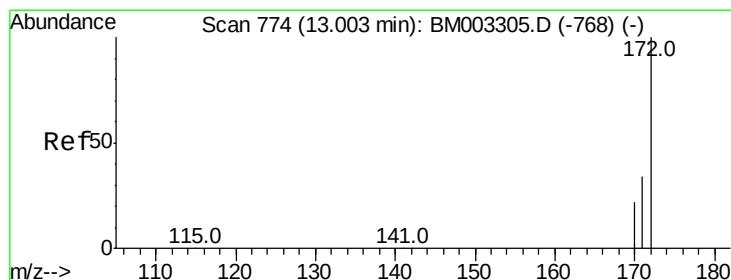
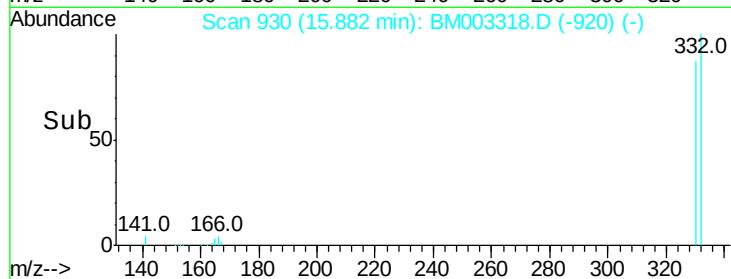
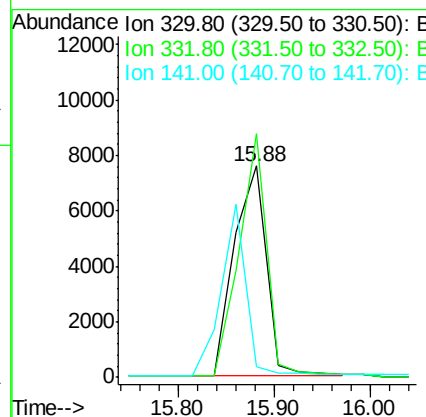
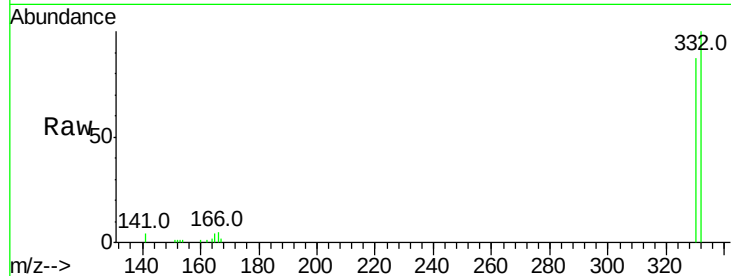
#14
 2,4,6-Tribromophenol
 Concen: 7.43 ng
 RT: 15.88 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.8	76.0	114.0	
141	0.0	0.0	0.0	

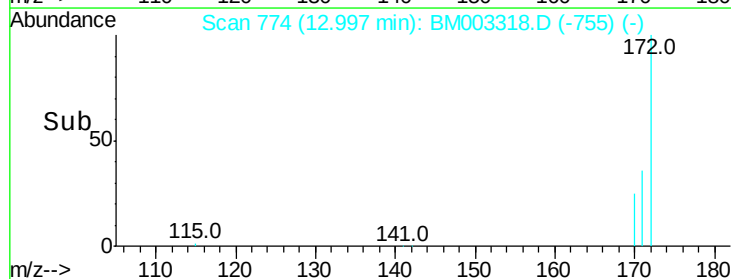
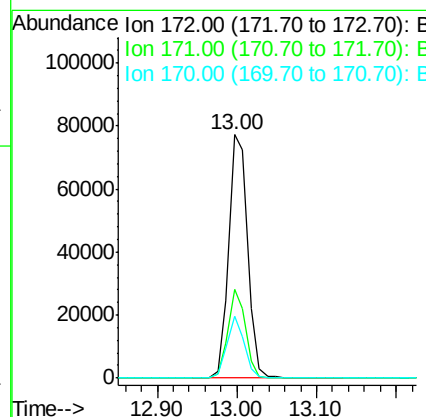
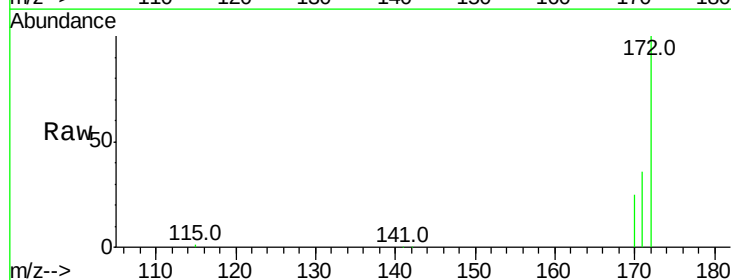
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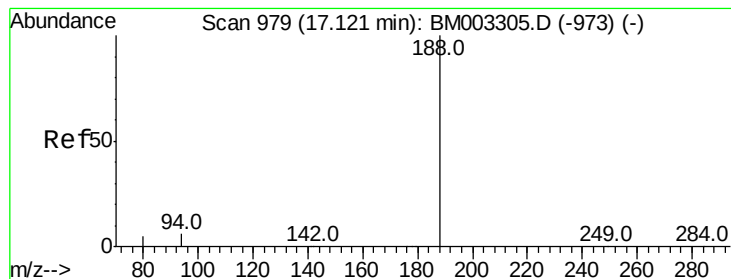
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 11/30/2015 5:45:55 PM



#15
 2-Fluorobiphenyl
 Concen: 3.79 ng
 RT: 13.00 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	28.0	42.0	
170	25.4	18.9	28.3	





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

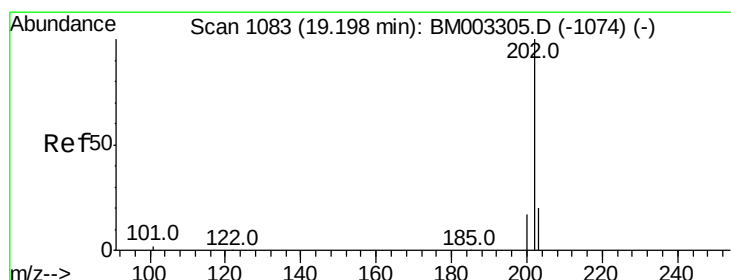
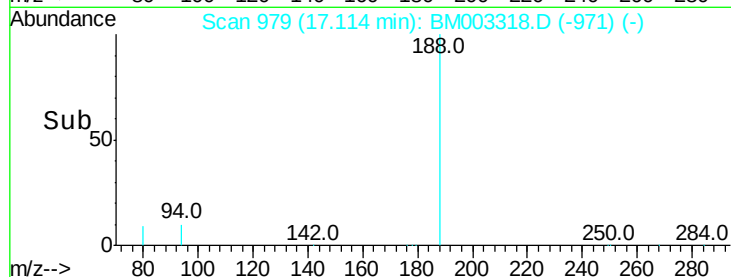
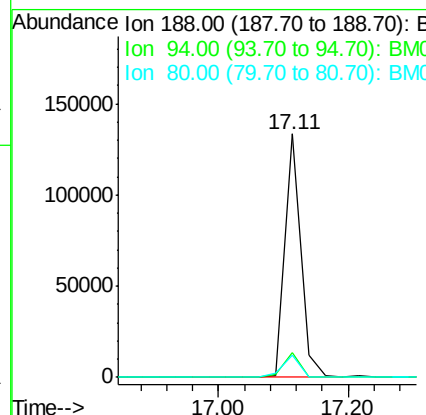
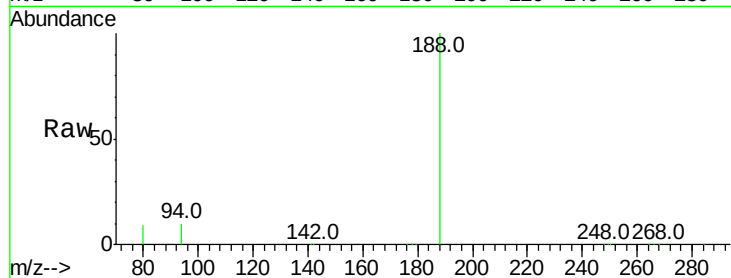
ClientSampleId :

EB-111815

Tot Ion:	188	Resp:	225956
Ion Ratio	Lower	Upper	
188	100		
94	10.0	1.8	2.6#
80	9.3	1.4	2.0#

Manual Integrations
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#25

Fluoranthene

Concen: 0.02 ng

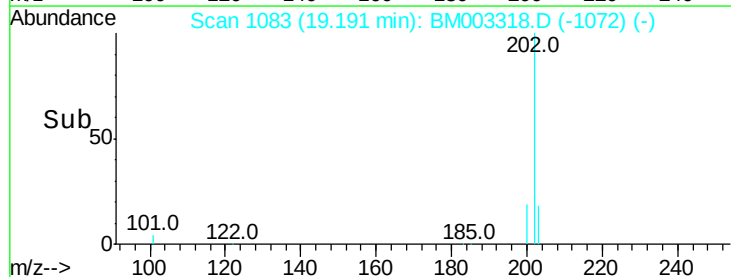
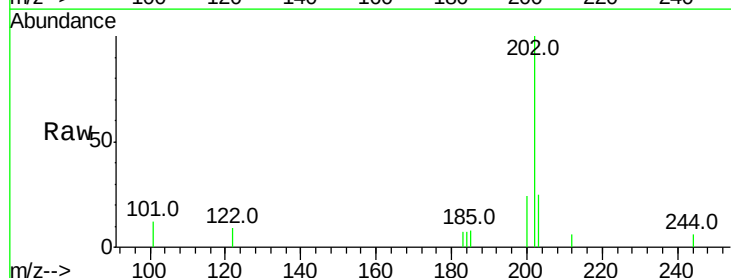
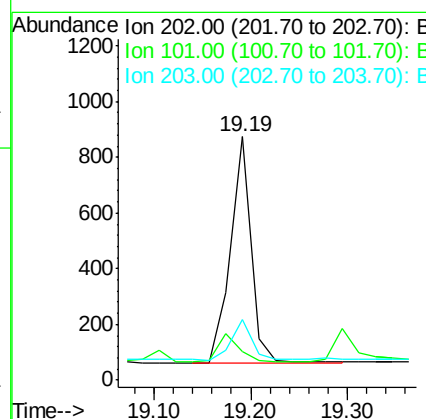
RT: 19.19 min Scan# 1083

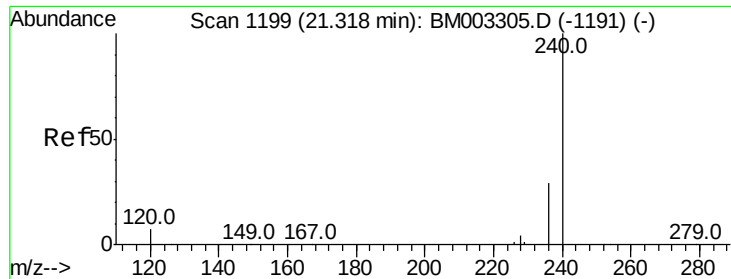
Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Tgt Ion:	202	Resp:	1213
Ion Ratio	Lower	Upper	
202	100		
101	12.3	9.9	14.9
203	19.4	13.9	20.9





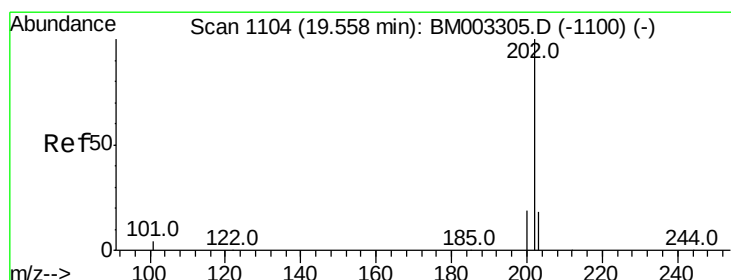
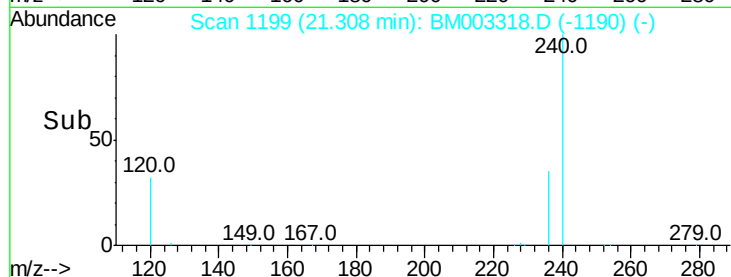
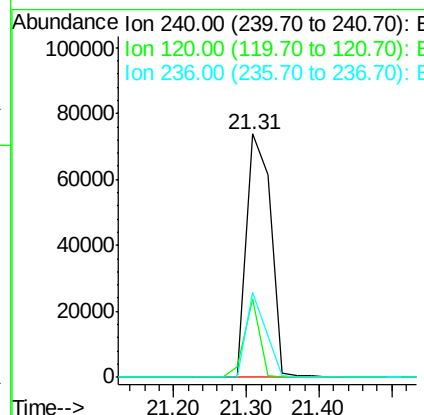
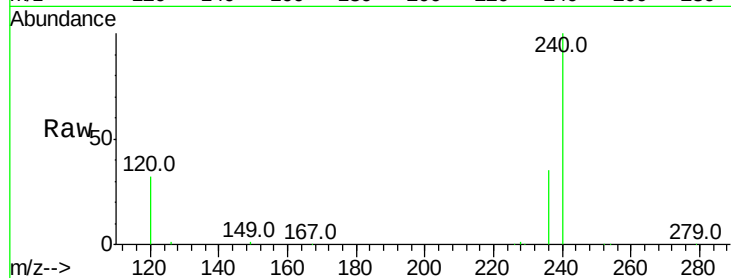
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Instrument :
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ClientSampleId :
EB-111815

Tot Ion	Ratio	Lower	Upper
240	100		
120	32.2	1.0	1.4#
236	35.0	17.9	26.9#

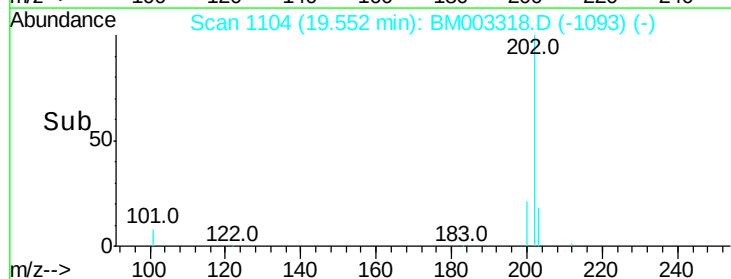
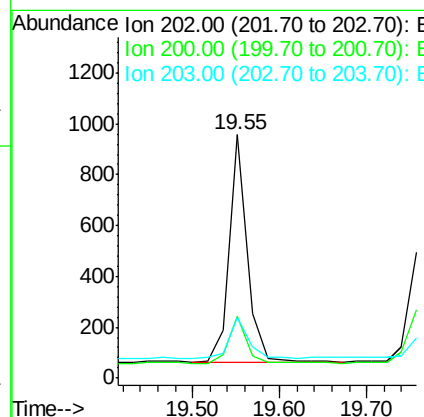
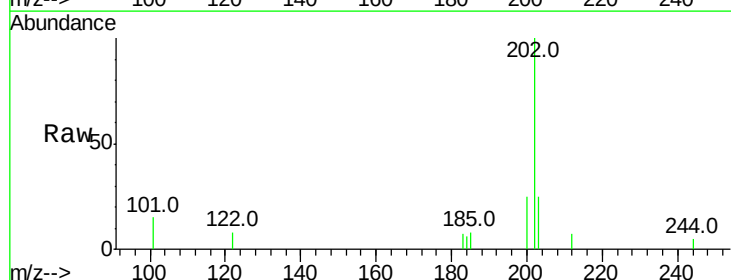
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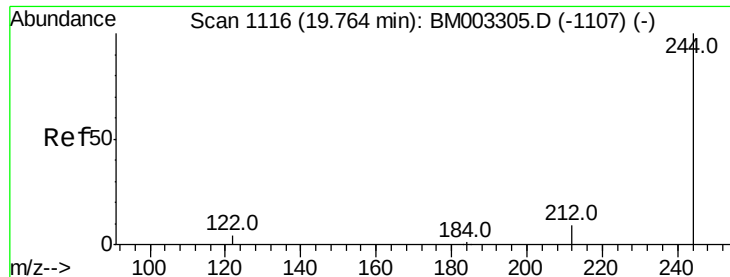
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#28
Pyrene
Concen: 0.02 ng
RT: 19.55 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	19.8	13.8	20.6





#29

Terphenyl-d14

Concen: 4.99 ng

RT: 19.76 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

Tot Ion:244 Resp: 117556

Ion Ratio Lower Upper

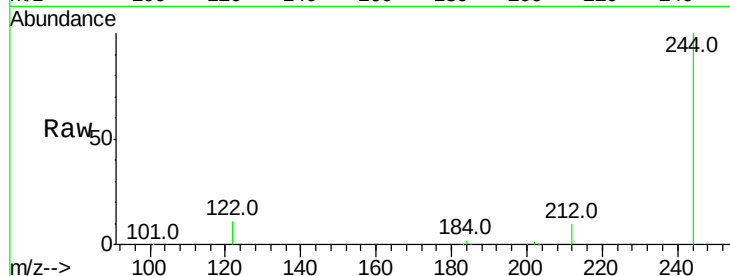
244 100

212 10.4 6.5 9.7#

122 11.0 2.0 3.0#

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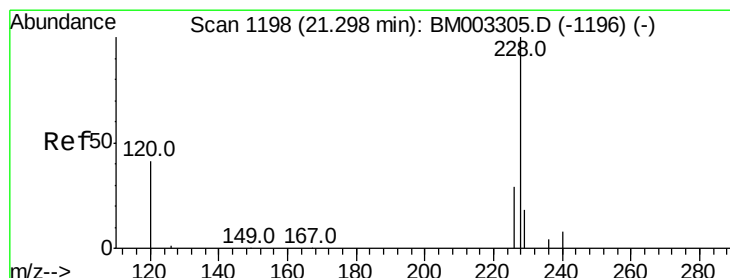
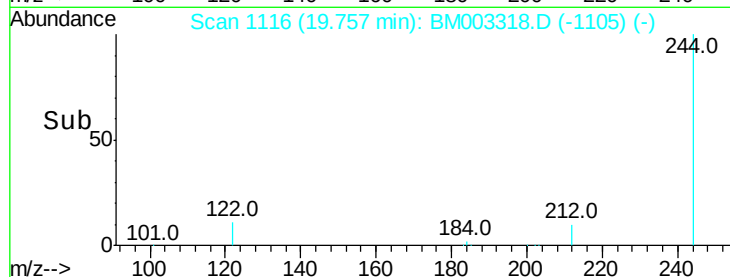
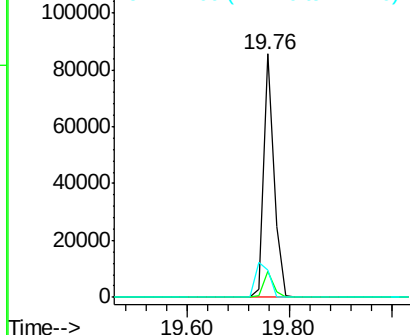
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11/30/2015 5:45:55 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.04 ng m

RT: 21.31 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

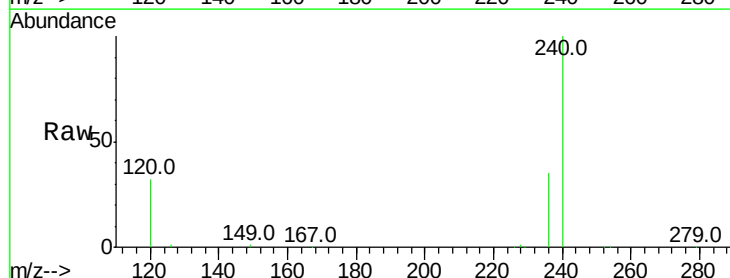
Tgt Ion:228 Resp: 1639

Ion Ratio Lower Upper

228 100

226 22.2 17.8 26.6

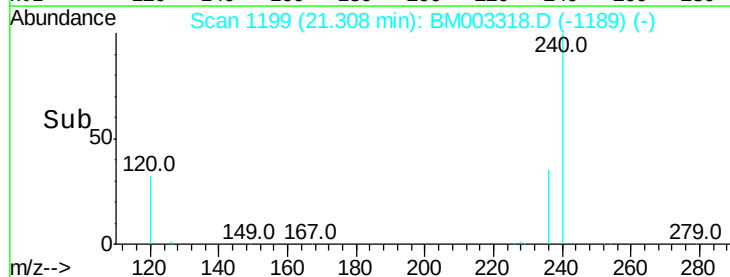
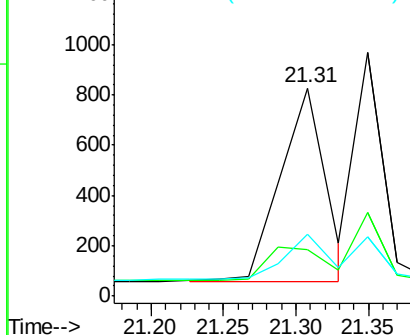
229 29.7 18.0 27.0#

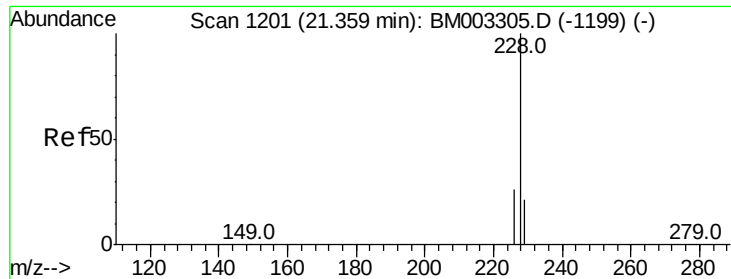


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 0.03 ng/mL

RT: 21.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

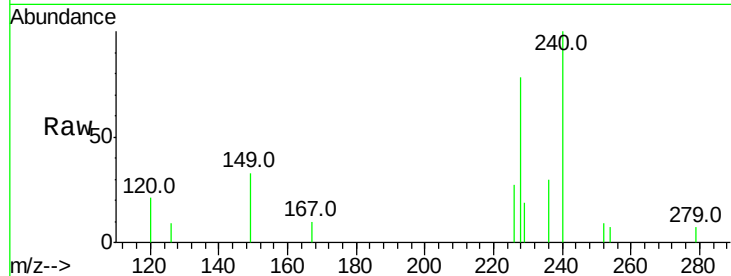
ClientSampleID :

EB-111815

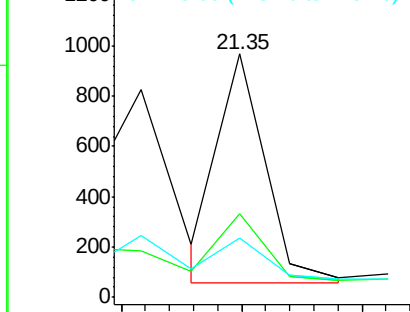
Tot Ion:	228	Resp:	1248
Ion Ratio	Lower	Upper	
228	100		
226	34.3	25.5	38.3
229	24.3	14.3	21.5

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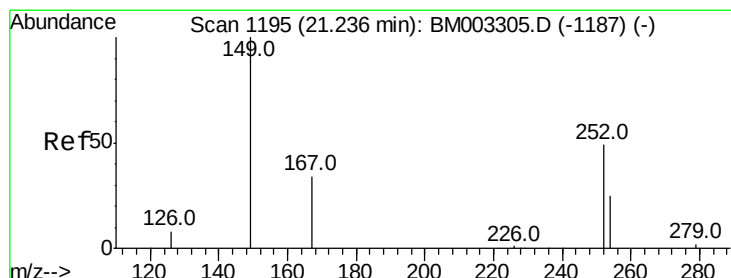
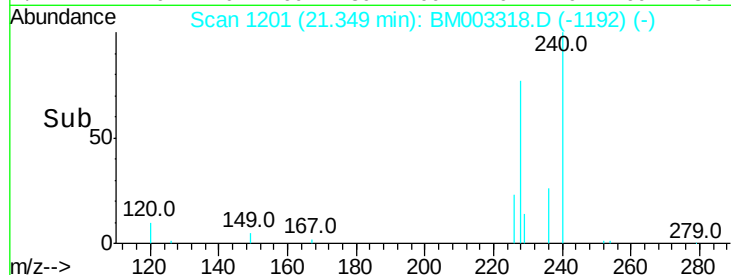
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 21.30 21.35 21.40



#33

Bis(2-ethylhexyl)phthalate

Concen: 1.93 ng/mL

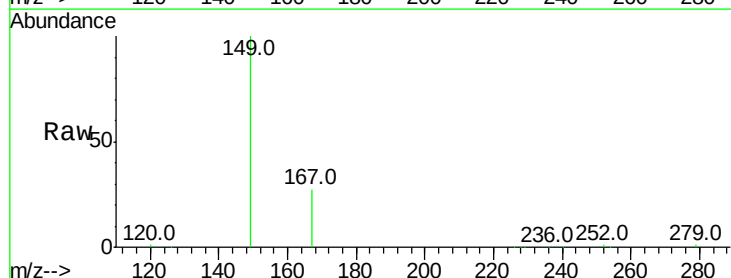
RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

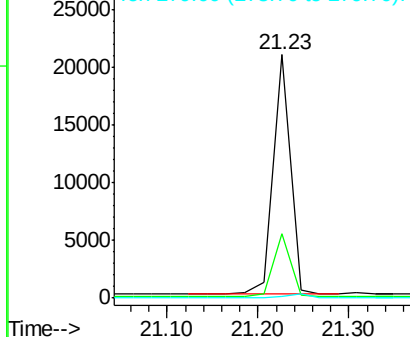
Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

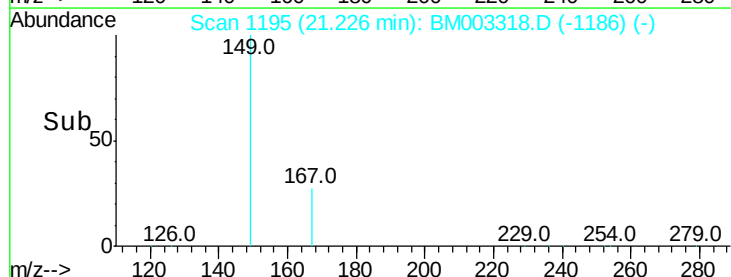
Tgt Ion:	149	Resp:	27729
Ion Ratio	Lower	Upper	
149	100		
167	26.4	19.6	29.4
279	0.0	0.0	0.0

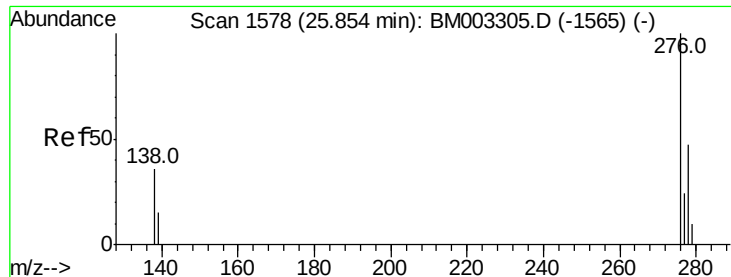


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time--> 21.10 21.20 21.30





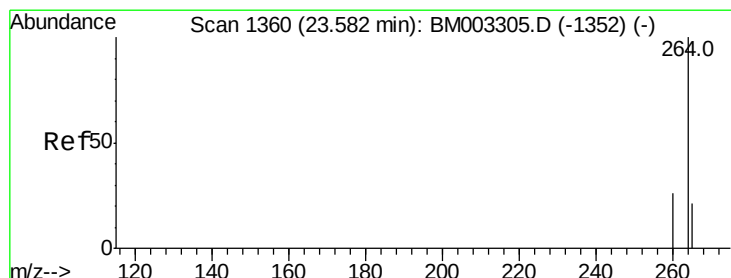
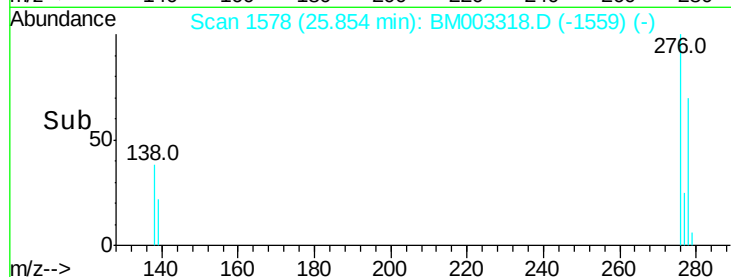
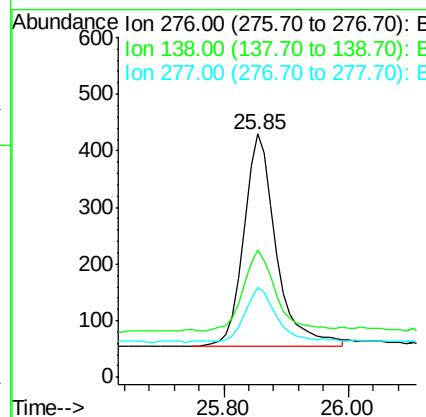
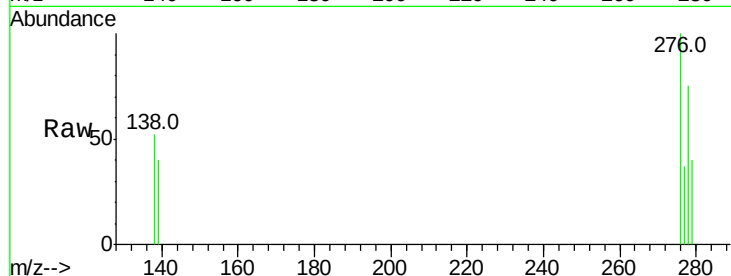
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.3	19.1	28.7#
277	25.1	15.9	23.9#

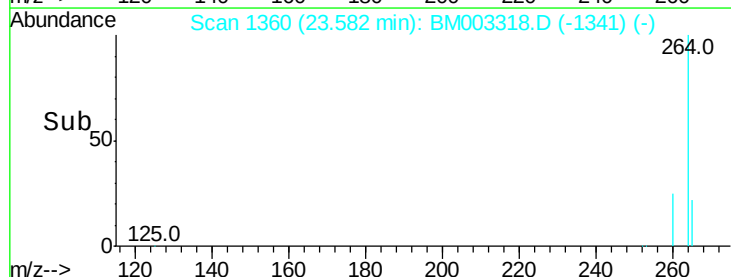
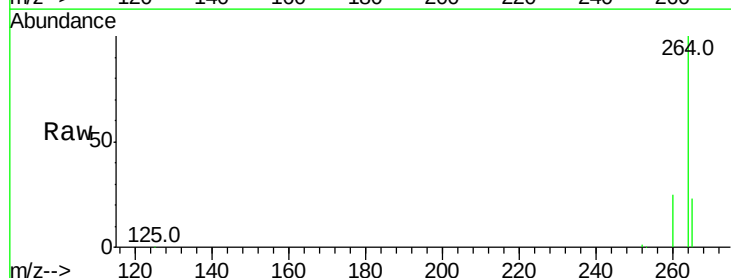
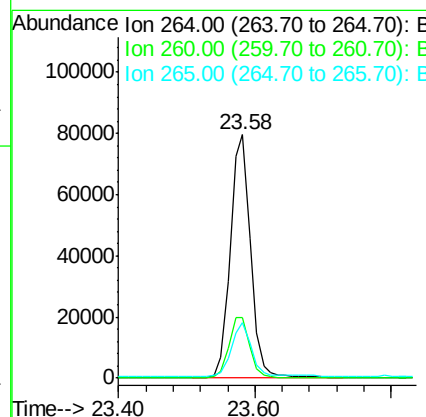
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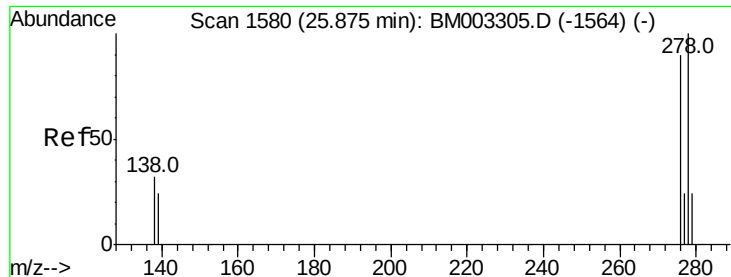
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#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	22.6	18.4	27.6





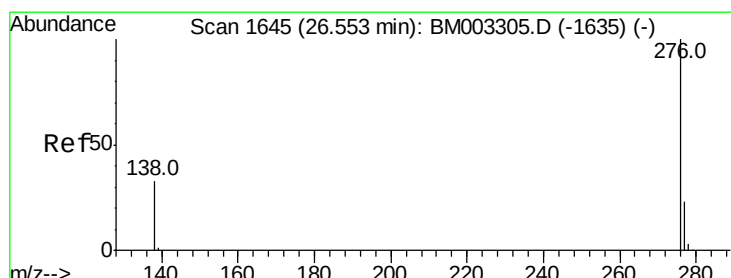
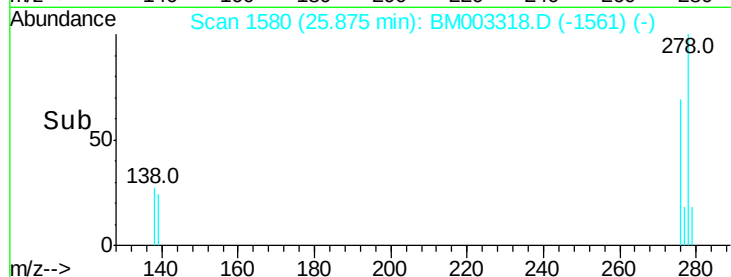
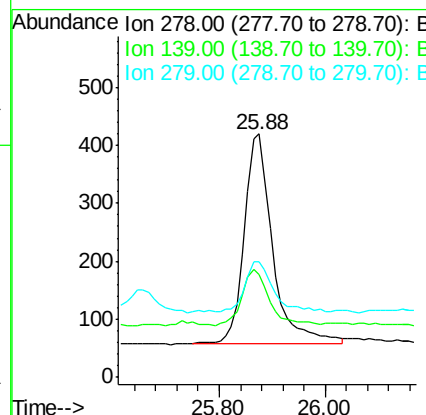
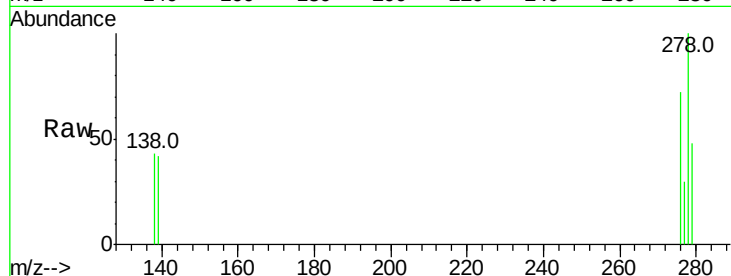
#39
Dibenzo(a,h)anthracene
Concen: 0.04 ng
RT: 25.88 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Instrument :
BNA_M
ClientSampleId :
EB-111815

Tot Ion	Ratio	Lower	Upper
278	100		
139	42.1	18.2	27.4#
279	47.6	18.8	28.2#

Manual Integrations
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#40
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 26.55 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	38.6	19.0	28.6#
138	52.3	22.3	33.5#

