

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
 Data File : BM003317.D
 Acq On : 27 Nov 2015 22:46
 Operator : UM/IZ
 Sample : G4510-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DUP-111815-2

Manual Integrations
 APPROVED

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 11/30/2015 5:45:54 PM

Quant Time: Nov 28 02:26:06 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	69602	5.00	ng	0.00
7) Naphthalene-d8	10.53	136	289598	5.00	ng	0.00
13) Acenaphthene-d10	14.37	164	147089	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	301040	5.00	ng	0.00
26) Chrysene-d12	21.31	240	198871	5.00	ng	-0.01
35) Perylene-d12	23.58	264	189615	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.31	112	55455	4.04	ng	0.00
5) Phenol-d6	6.90	99	48188	3.06	ng	0.00
8) Nitrobenzene-d5	8.89	82	49150	3.81	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	31719	9.25	ng	0.02
15) 2-Fluorobiphenyl	13.00	172	174238	3.67	ng	0.00
29) Terphenyl-d14	19.76	244	140921	5.08	ng	0.00
Target Compounds						
10) Naphthalene	10.56	128	44700	0.71	ng	Qvalue 98
12) 2-Methylnaphthalene	12.18	142	28674	0.73	ng	97
18) Fluorene	15.44	166	3067	0.07	ng	# 90
22) Pentachlorophenol	16.78	266	414	0.21	ng	# 86
23) Phenanthrene	17.16	178	2924	0.14	ng	# 64
24) Anthracene	17.24	178	1471	0.03	ng	# 94
25) Fluoranthene	19.19	202	1676	0.03	ng	# 85
28) Pyrene	19.55	202	1778m	0.03	ng	
30) Benzo(a)anthracene	21.31	228	2124m	0.04	ng	
32) Chrysene	21.35	228	1435m	0.03	ng	
33) Bis(2-ethylhexyl)phthalate	21.23	149	3623	0.24	ng	# 97
34) Indeno(1,2,3-cd)pyrene	25.85	276	3150	0.07	ng	# 77
39) Dibenzo(a,h)anthracene	25.86	278	3334	0.09	ng	# 75
40) Benzo(a,h,i)perylene	26.55	276	1909	0.04	ng	# 75

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

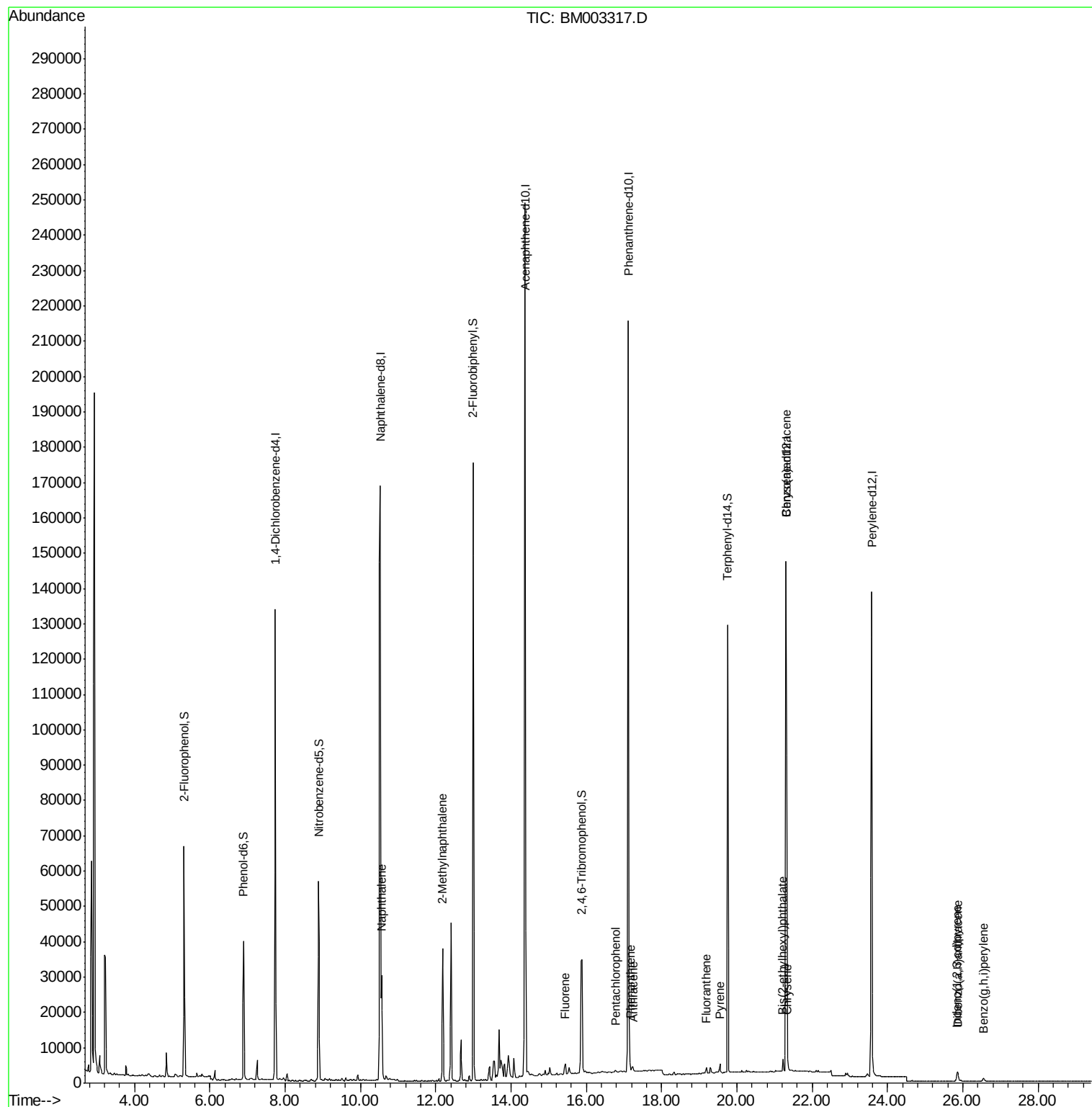
Data Path : Z:\HPCHEM1\BNA M\DATA\BM112715\
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Sample : G4510-11
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ALS Vial : 16 Sample Multiplier: 1

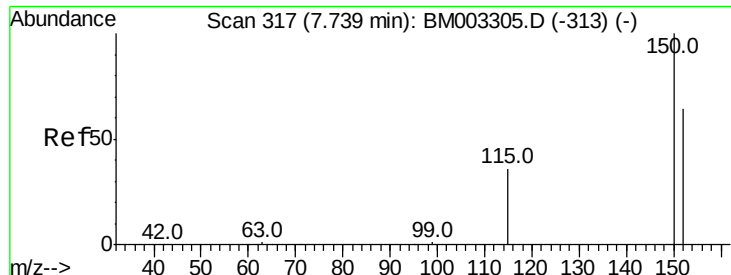
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.74 min Scan# 317

Delta R.T. -0.00 min

Lab File: BM003317.D

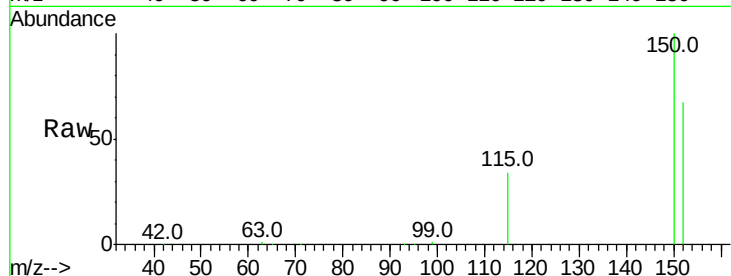
Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

ClientSampleId :

DUP-111815-2



Tot Ion:152 Resp: 69602

Ion Ratio Lower Upper

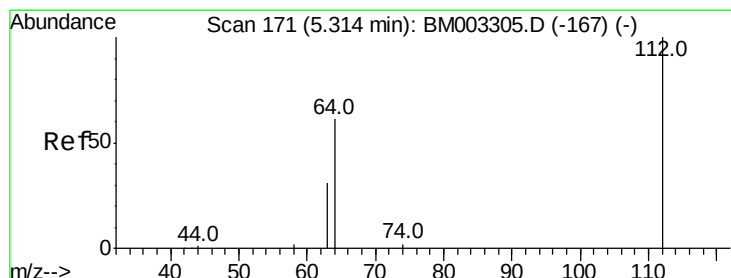
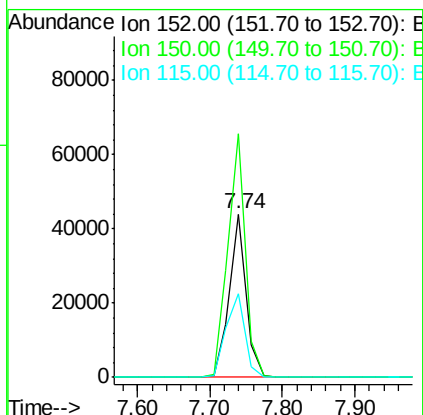
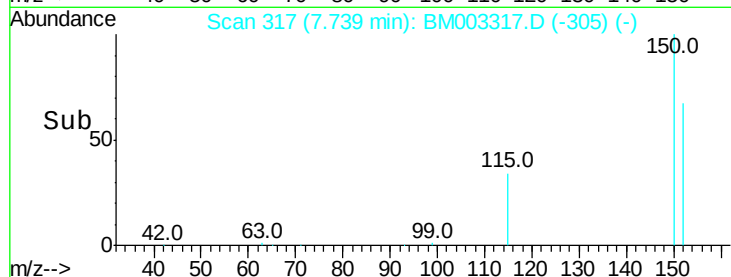
152 100

150 149.3 143.6 215.4

115 51.3 58.5 87.7#

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#4

2-Fluorophenol

Concen: 4.04 ng

RT: 5.31 min Scan# 171

Delta R.T. -0.00 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

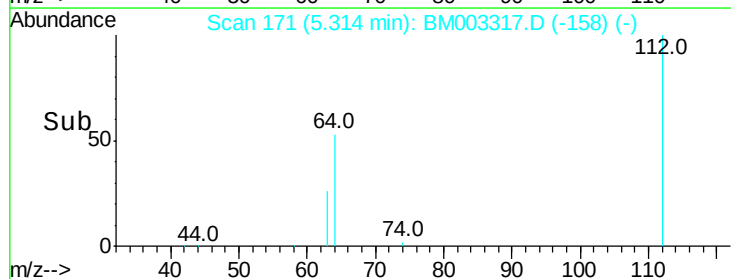
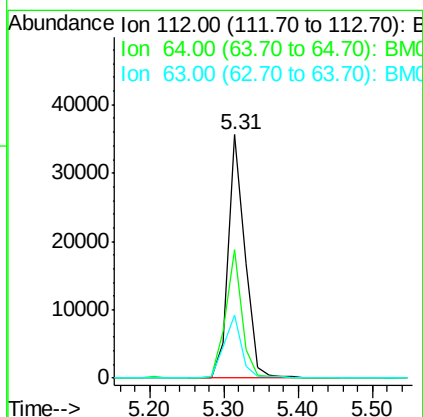
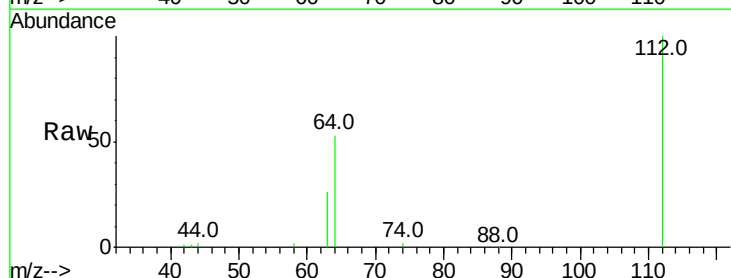
Tgt Ion:112 Resp: 55455

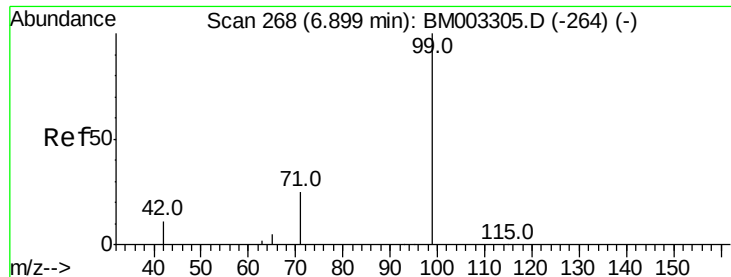
Ion Ratio Lower Upper

112 100

64 50.9 41.2 61.8

63 26.4 21.2 31.8





#5

Phenol-d6

Concen: 3.06 ng

RT: 6.90 min Scan# 268

Delta R.T. -0.00 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

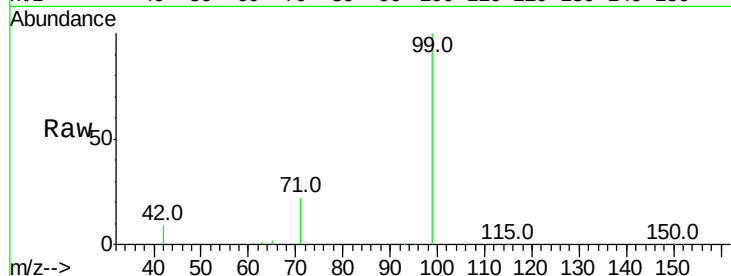
ClientSampleId :

DUP-111815-2

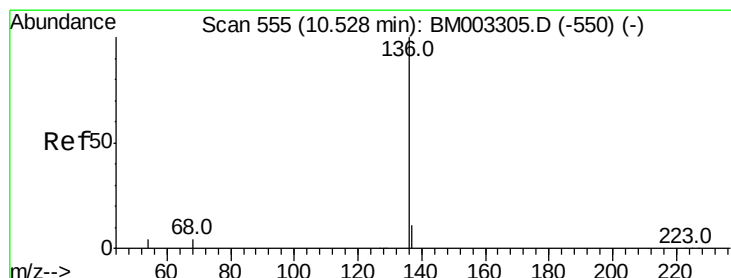
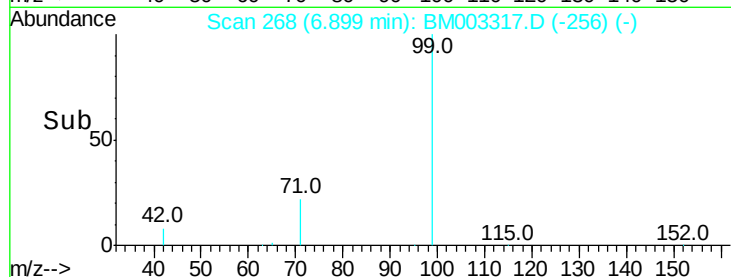
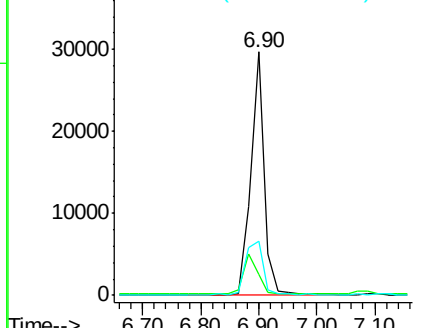
Tot Ion:	99	Resp:	48188
Ion Ratio	Lower	Upper	
99	100		
42	17.8	14.6	22.0
71	29.4	23.3	34.9

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Abundance Ion 99.00 (98.70 to 99.70): BM003317.D (-256) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.53 min Scan# 555

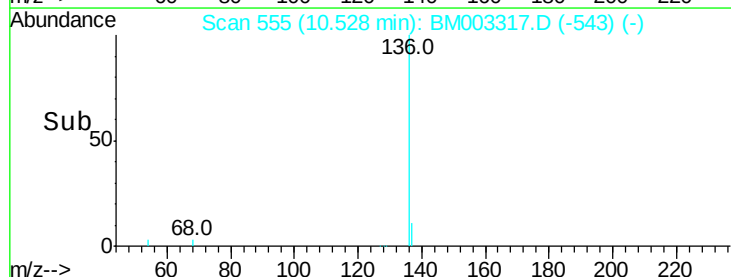
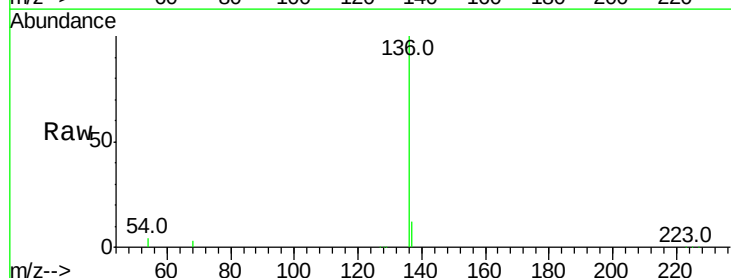
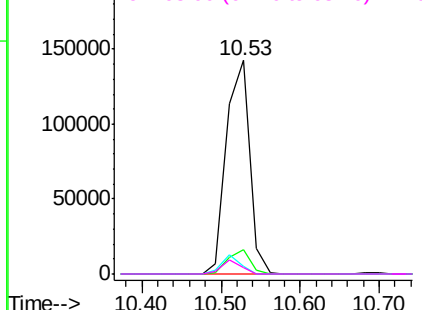
Delta R.T. -0.00 min

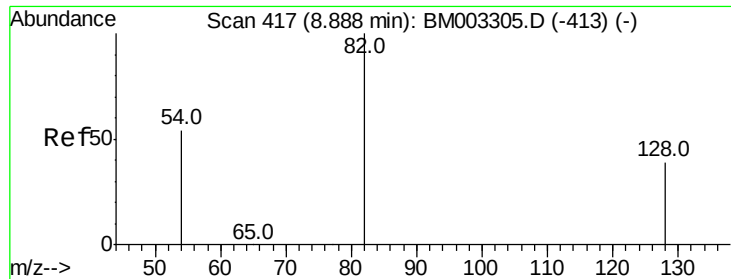
Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Tgt Ion:	136	Resp:	289598
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.0	12.0
54	3.5	7.4	11.0#
68	3.3	5.8	8.6#

Abundance Ion 136.00 (135.70 to 136.70): BM003317.D (-543) (-)





#8

Nitrobenzene-d5

Concen: 3.81 ng

RT: 8.89 min Scan# 417

Delta R.T. -0.00 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

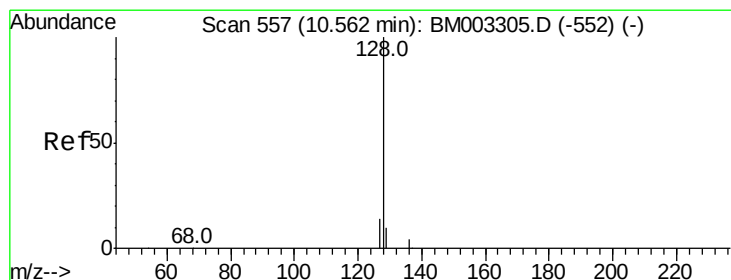
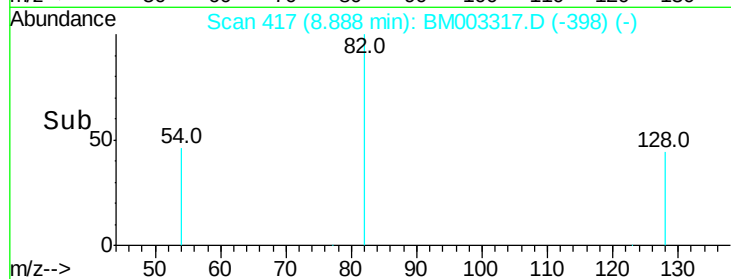
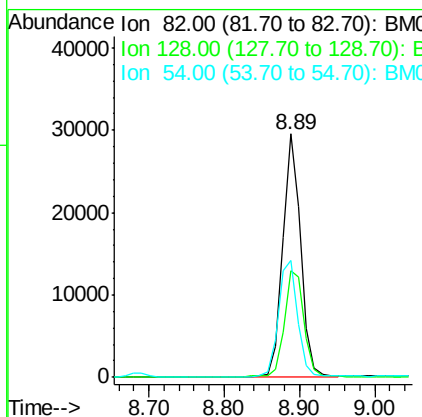
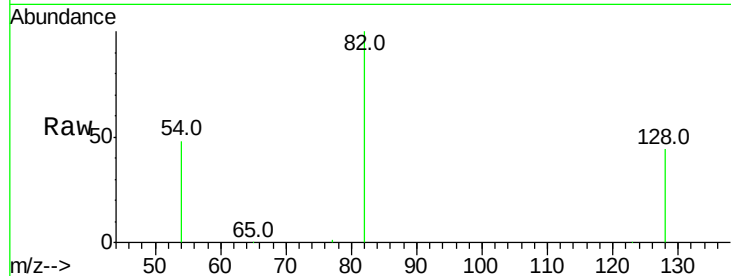
ClientSampleId :

DUP-111815-2

Tot Ion:	82	Resp:	49150
Ion Ratio	Lower	Upper	
82	100		
128	43.8	35.2	52.8
54	47.8	36.4	54.6

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#10

Naphthalene

Concen: 0.71 ng

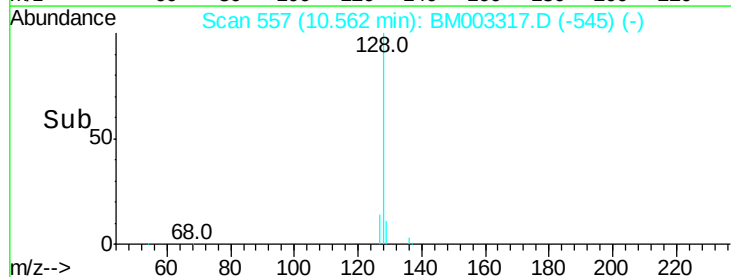
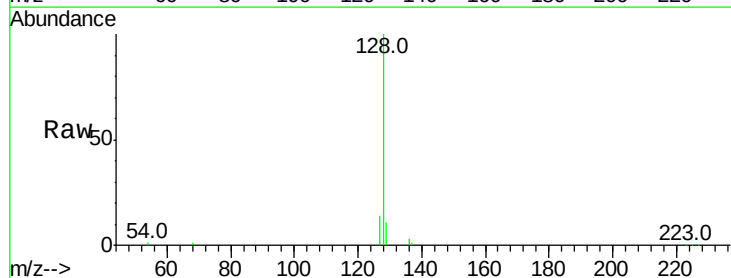
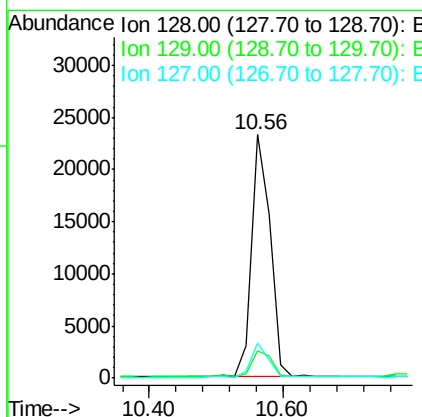
RT: 10.56 min Scan# 557

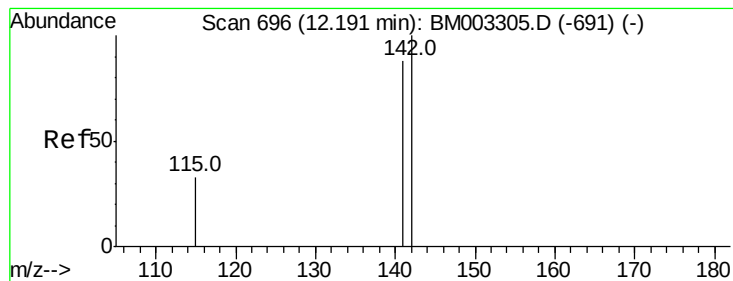
Delta R.T. -0.00 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Tgt Ion:	128	Resp:	44700
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.5	12.7
127	14.2	10.6	16.0





#12

2-Methylnaphthalene

Concen: 0.73 ng

RT: 12.18 min Scan# 696

Delta R.T. -0.01 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

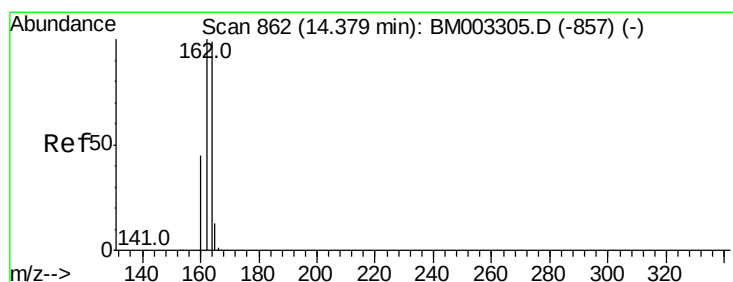
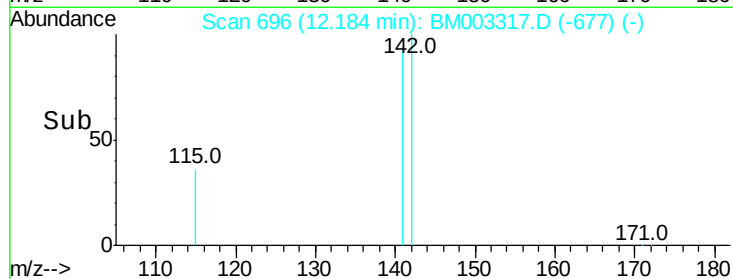
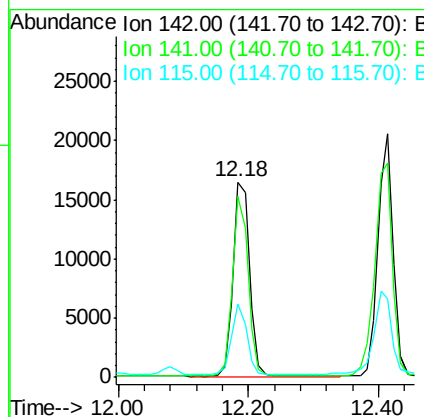
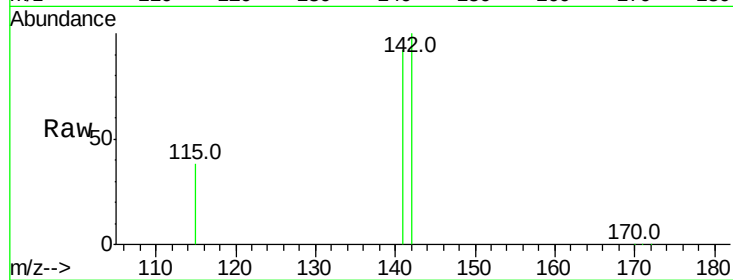
ClientSampleId :

DUP-111815-2

Tot Ion:	142	Resp:	28674
Ion Ratio	Lower	Upper	
142	100		
141	92.3	72.2	108.2
115	37.5	28.0	42.0

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#13

Acenaphthene-d10

Concen: 5.00 ng

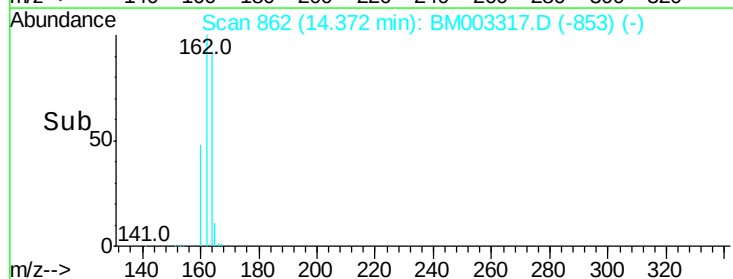
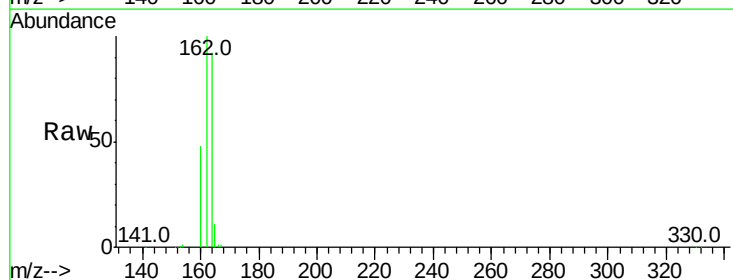
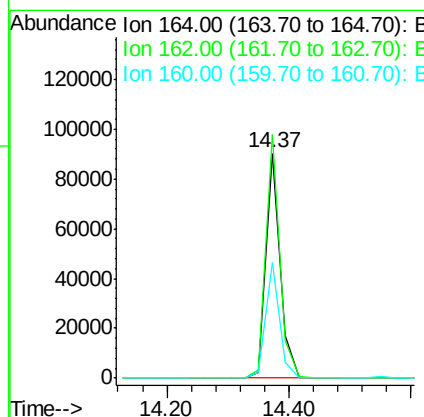
RT: 14.37 min Scan# 862

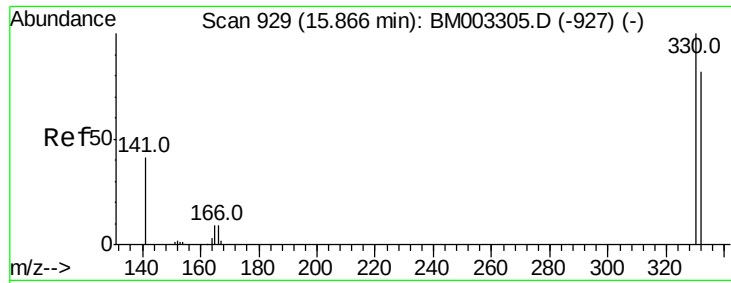
Delta R.T. -0.01 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Tgt Ion:	164	Resp:	147089
Ion Ratio	Lower	Upper	
164	100		
162	108.2	78.3	117.5
160	51.6	33.8	50.6#





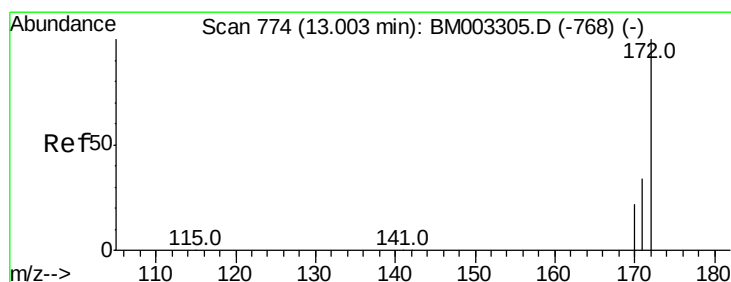
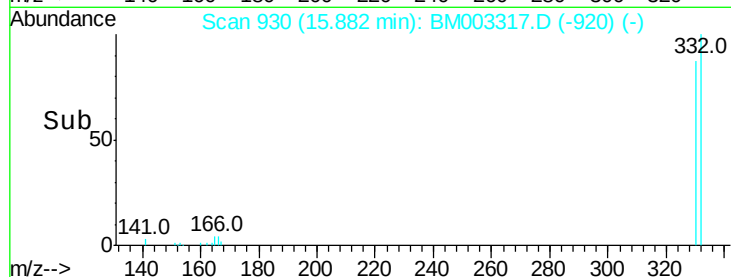
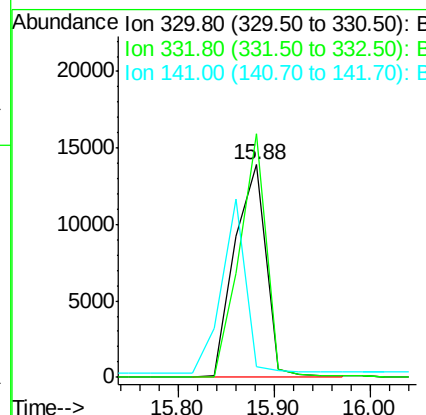
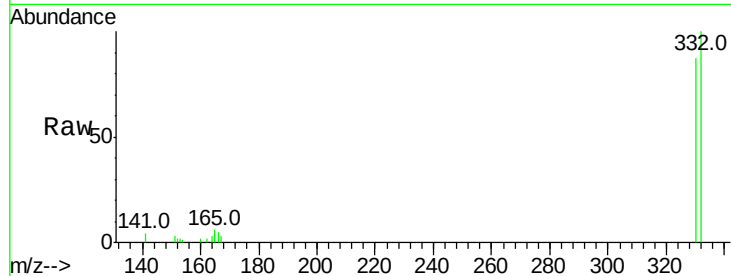
#14
 2,4,6-Tribromophenol
 Concen: 9.25 ng
 RT: 15.88 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Instrument :
 BNA_M
 ClientSampleId :
 DUP-111815-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.0	114.0
141	0.0	0.0	0.0

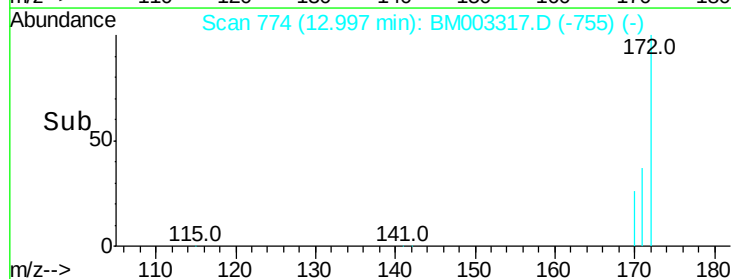
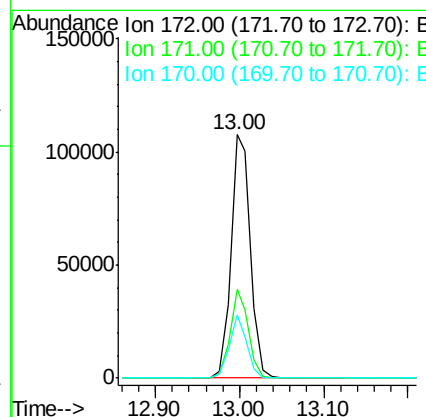
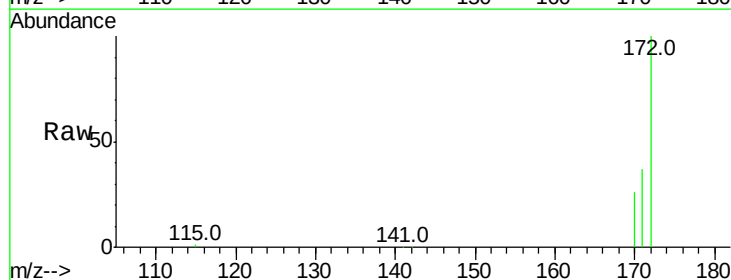
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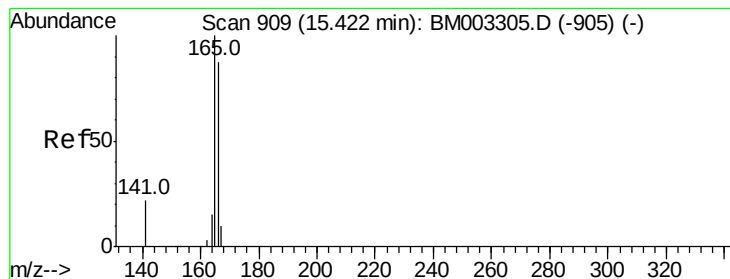
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#15
 2-Fluorobiphenyl
 Concen: 3.67 ng
 RT: 13.00 min Scan# 774
 Delta R.T. -0.01 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.0	42.0
170	25.7	18.9	28.3





#18

Fluorene

Concen: 0.07 ng

RT: 15.44 min Scan# 910

Delta R.T. 0.02 min

Lab File: BM003317.D

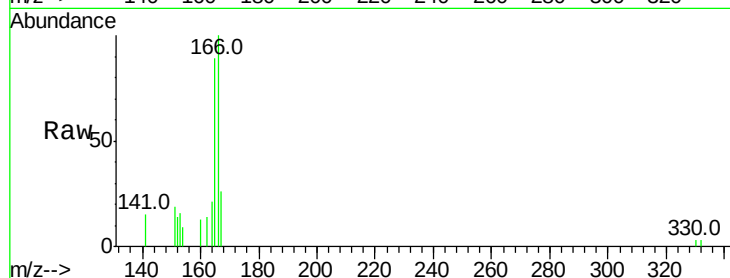
Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

ClientSampleId :

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Tot Ion:166 Resp: 3067

Ion Ratio Lower Upper

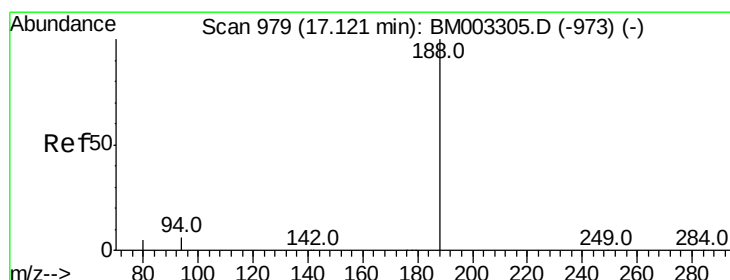
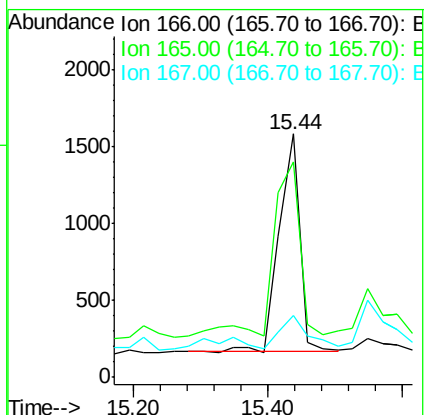
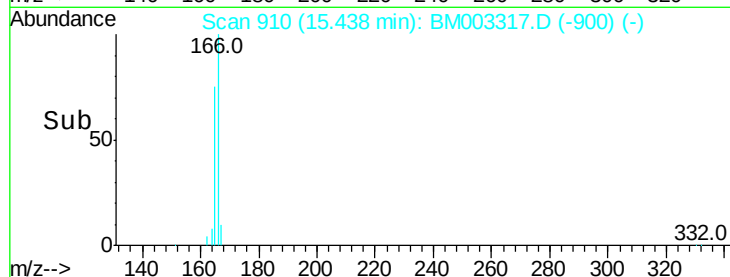
166 100

165 92.3 80.8 121.2

167 20.9 10.5 15.7#

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#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.11 min Scan# 979

Delta R.T. -0.01 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

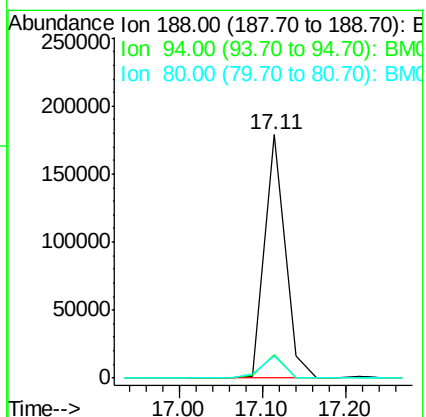
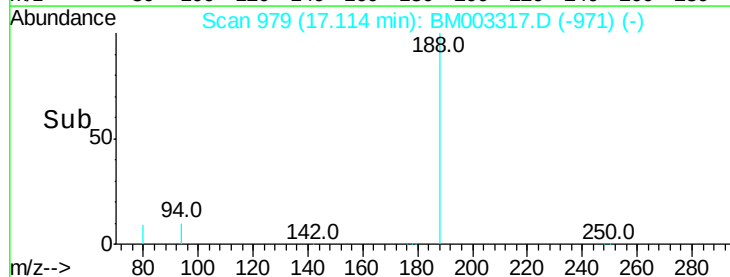
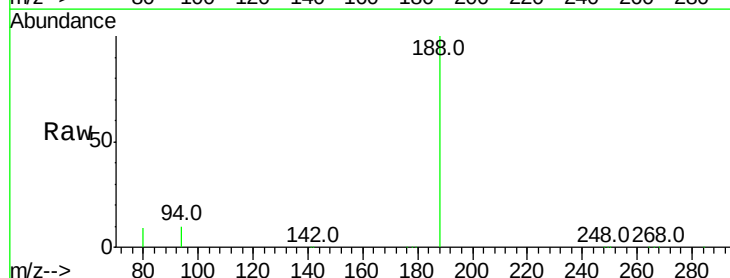
Tgt Ion:188 Resp: 301040

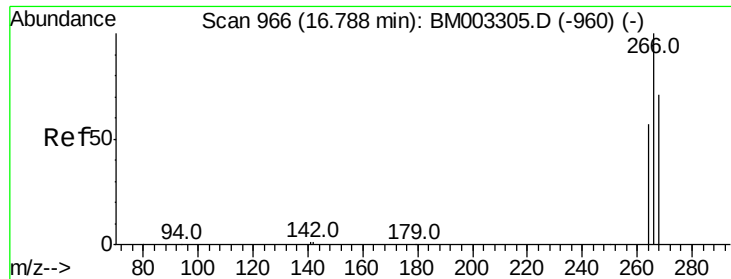
Ion Ratio Lower Upper

188 100

94 9.8 1.8 2.6#

80 9.1 1.4 2.0#





#22

Pentachlorophenol

Concen: 0.21 ng

RT: 16.78 min Scan# 966

Delta R.T. -0.01 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

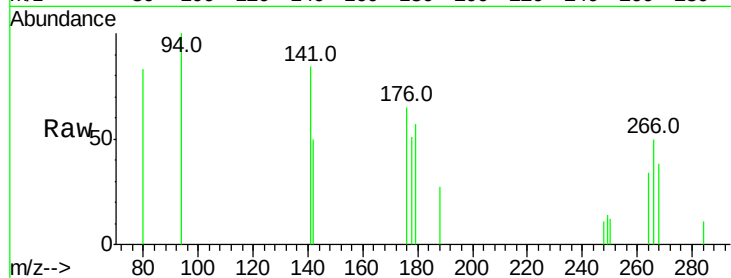
ClientSampleId :

DUP-111815-2

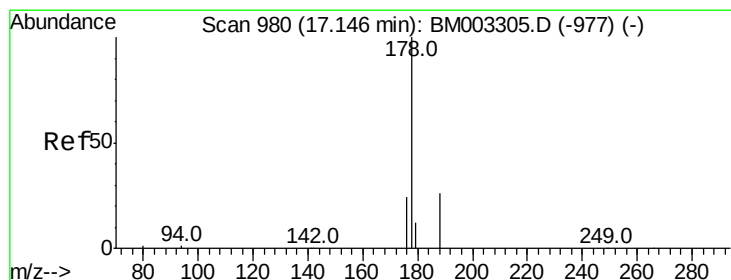
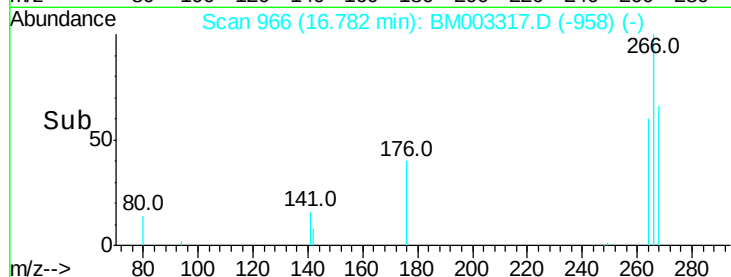
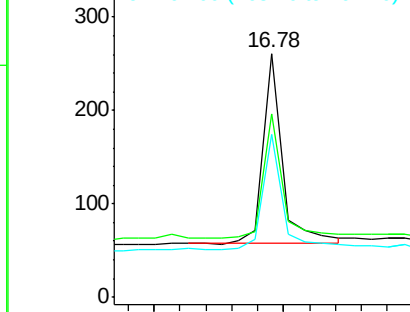
Tot Ion:	266	Resp:	414
Ion Ratio	Lower	Upper	
266	100		
268	75.5	45.8	68.8#
264	66.7	56.7	85.1

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Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



#23

Phenanthrene

Concen: 0.14 ng

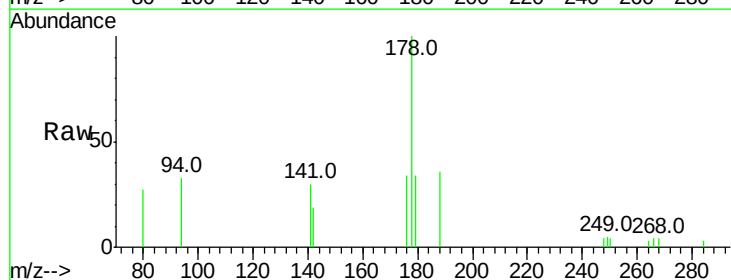
RT: 17.16 min Scan# 981

Delta R.T. 0.02 min

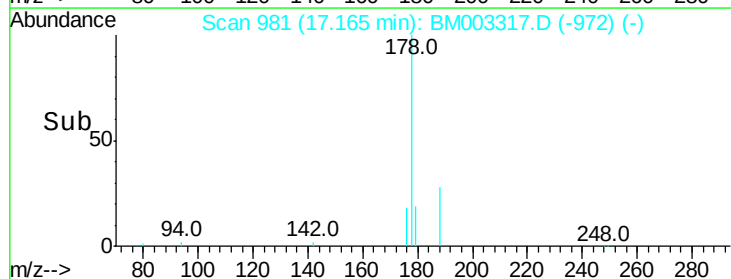
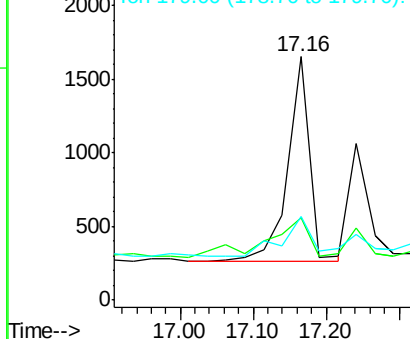
Lab File: BM003317.D

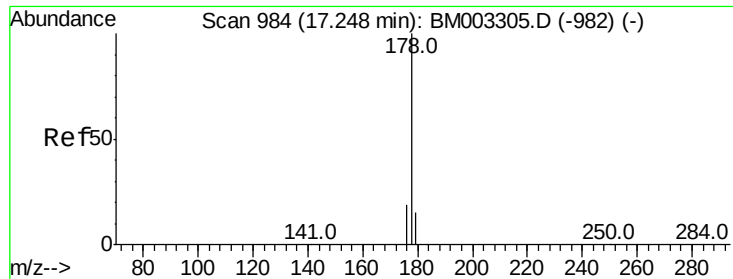
Acq: 27 Nov 2015 22:46

Tgt Ion:	178	Resp:	2924
Ion Ratio	Lower	Upper	
178	100		
176	37.6	15.9	23.9#
179	27.7	11.7	17.5#



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





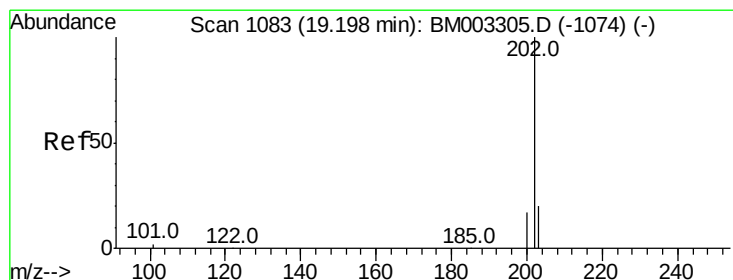
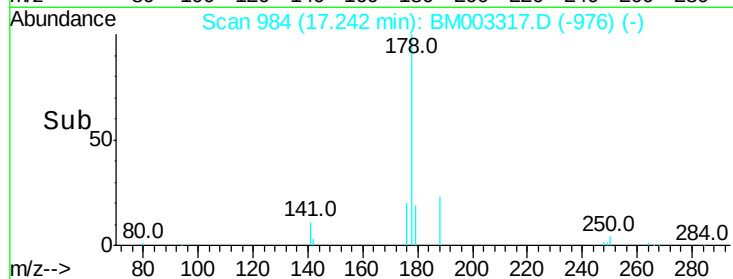
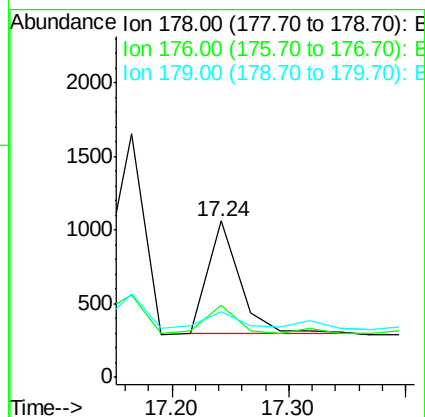
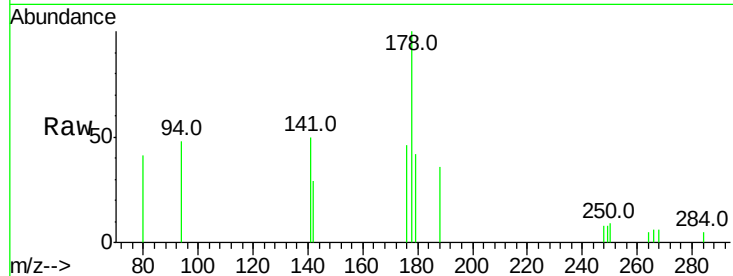
#24
 Anthracene
 Concen: 0.03 ng
 RT: 17.24 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Instrument :
 BNA_M
 ClientSampleId :
 DUP-111815-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	14.1	21.1#
179	14.6	12.8	19.2

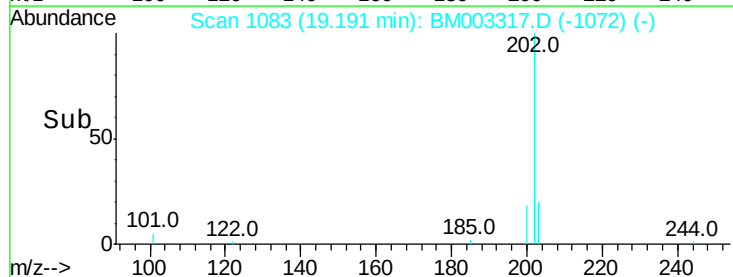
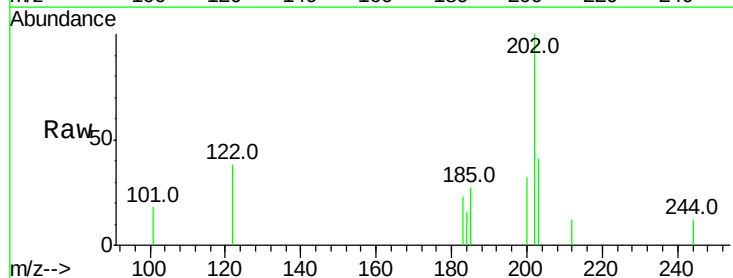
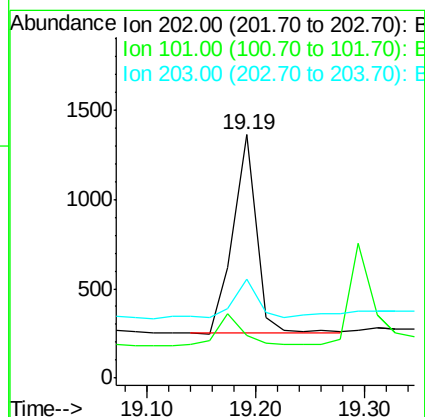
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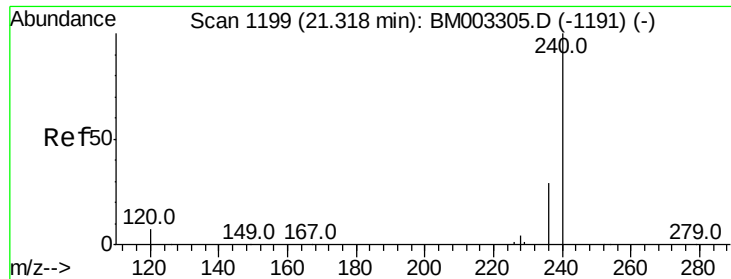
Mmdadoda
 11/30/2015 5:45:54 PM



#25
 Fluoranthene
 Concen: 0.03 ng
 RT: 19.19 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	20.0	9.9	14.9#
203	22.6	13.9	20.9#





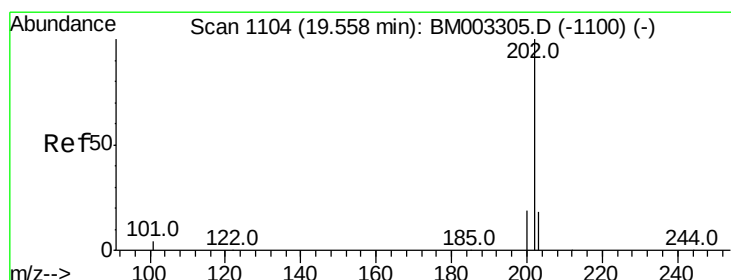
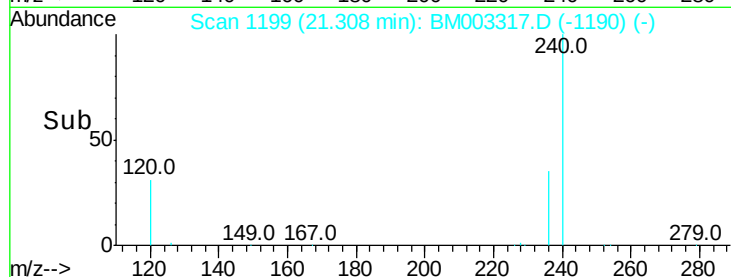
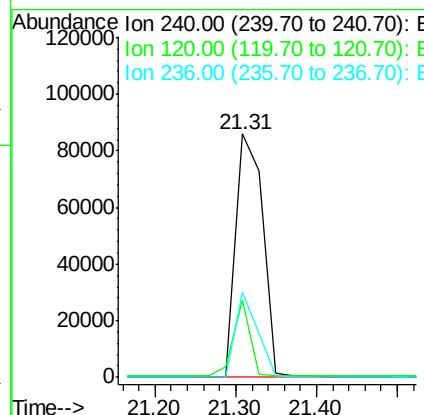
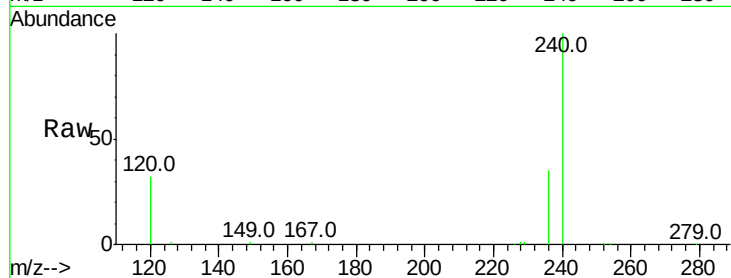
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BM003317.D
Acq: 27 Nov 2015 22:46

Instrument :
BNA_M
ClientSampleId :
DUP-111815-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	31.7	1.0	1.4#
236	34.7	17.9	26.9#

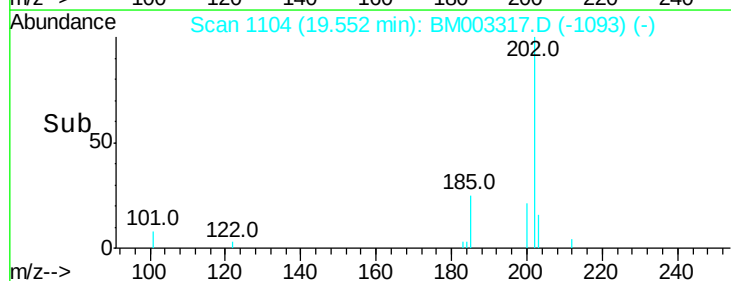
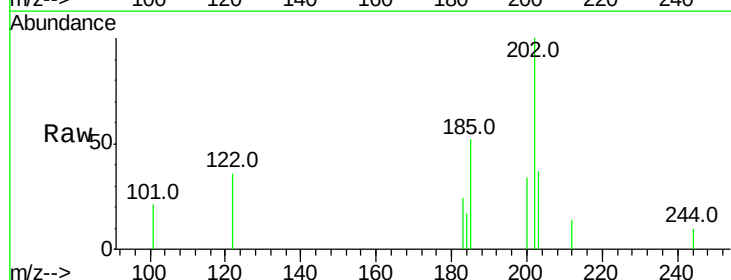
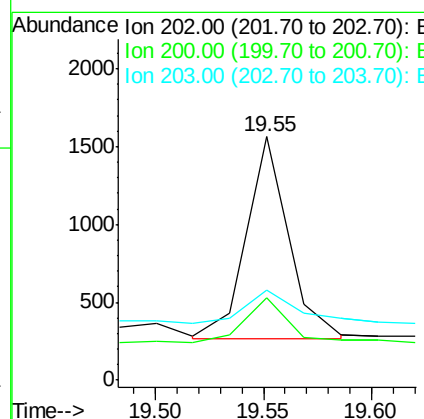
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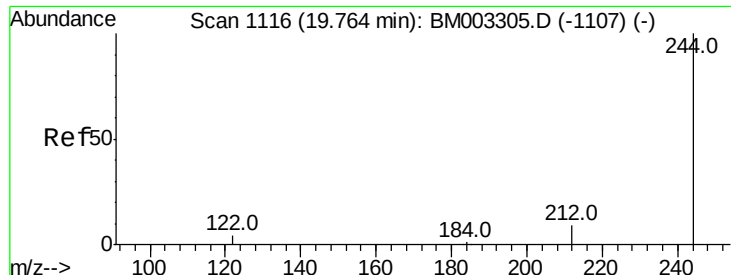
Mmdadoda
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#28
Pyrene
Concen: 0.03 ng m
RT: 19.55 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BM003317.D
Acq: 27 Nov 2015 22:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.0	16.7	25.1
203	23.0	13.8	20.6#





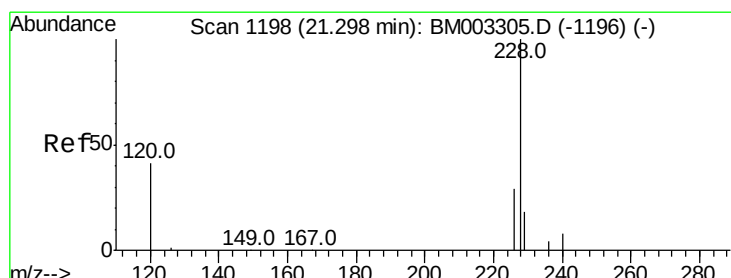
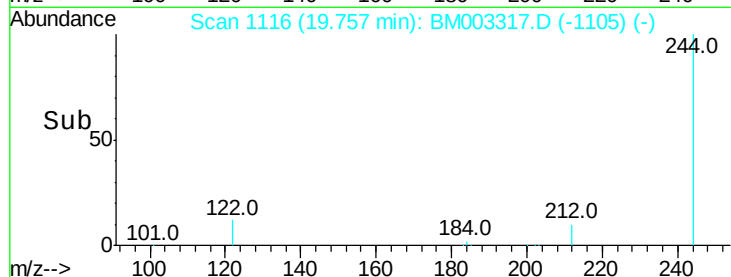
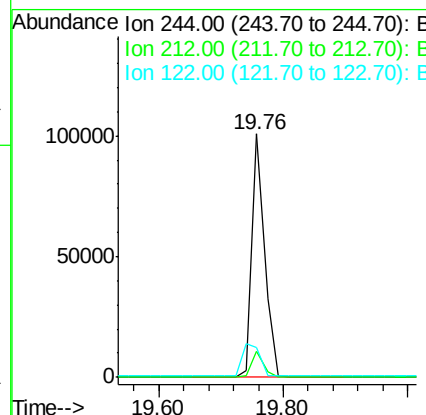
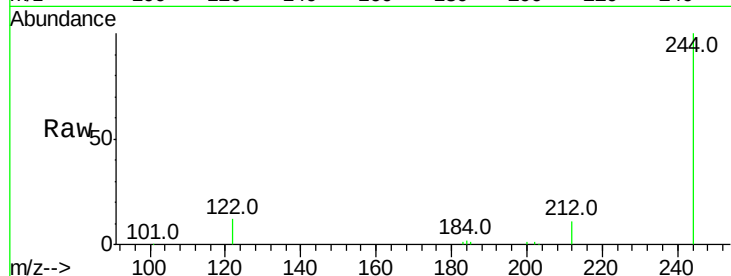
#29
 Terphenyl-d14
 Concen: 5.08 ng
 RT: 19.76 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Instrument :
 BNA_M
 ClientSampleId :
 DUP-111815-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.6	6.5	9.7#
122	12.3	2.0	3.0#

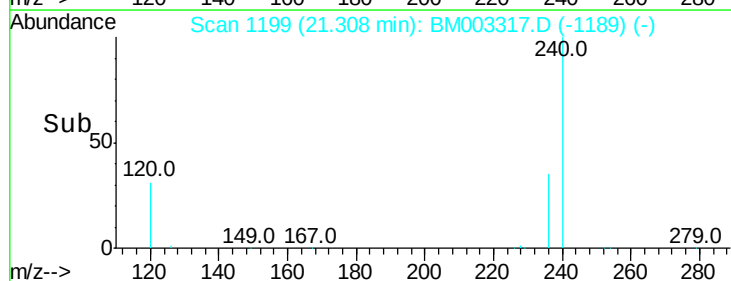
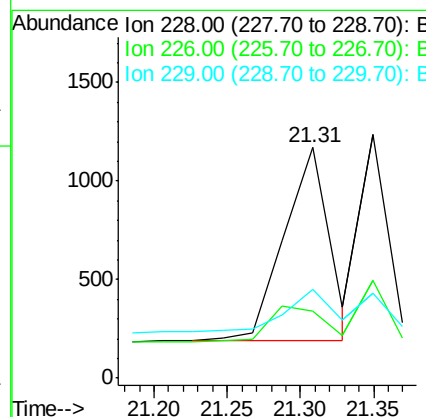
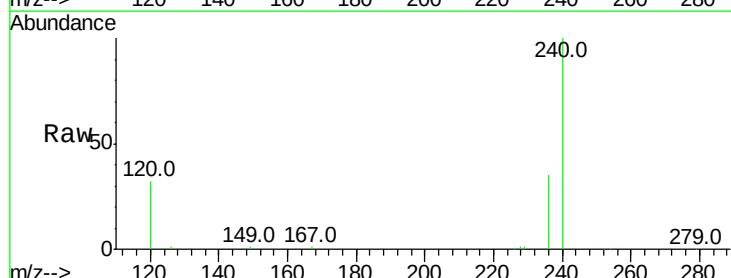
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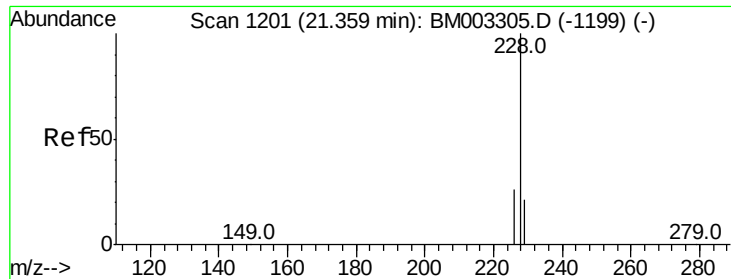
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#30
 Benzo(a)anthracene
 Concen: 0.04 ng m
 RT: 21.31 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	17.8	26.6#
229	38.6	18.0	27.0#





#32

Chrysene

Concen: 0.03 ng m

RT: 21.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Instrument :

BNA_M

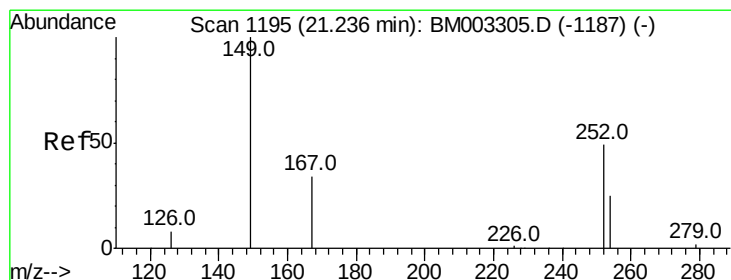
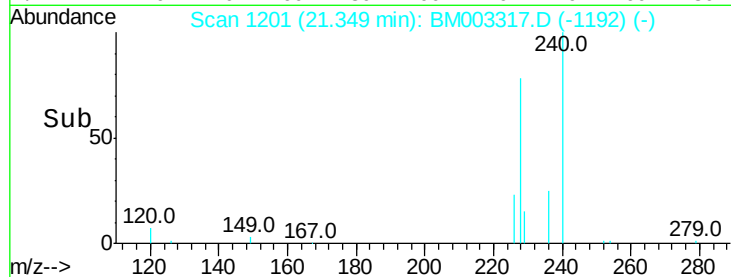
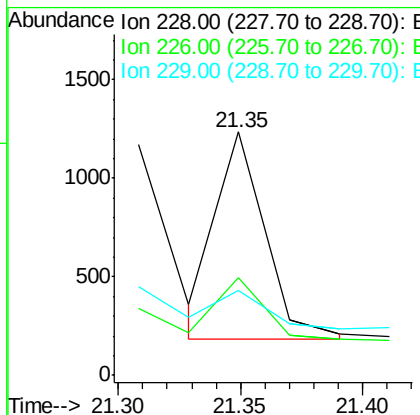
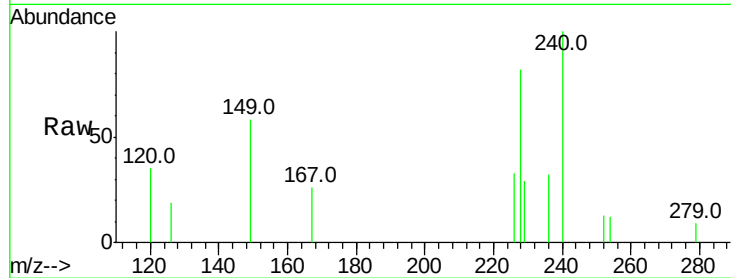
ClientSampleId :

DUP-111815-2

Tot Ion:	228	Resp:	1435
Ion Ratio	Lower	Upper	
228	100		
226	40.2	25.5	38.3#
229	35.1	14.3	21.5#

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#33

Bis(2-ethylhexyl)phthalate

Concen: 0.24 ng

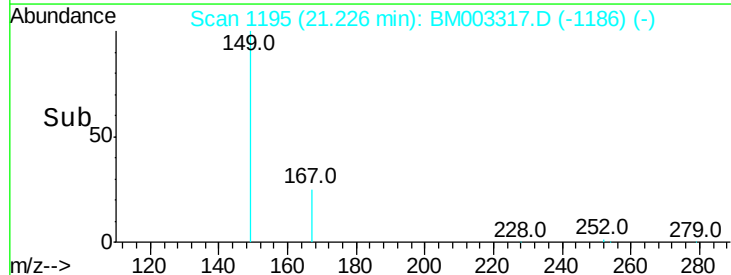
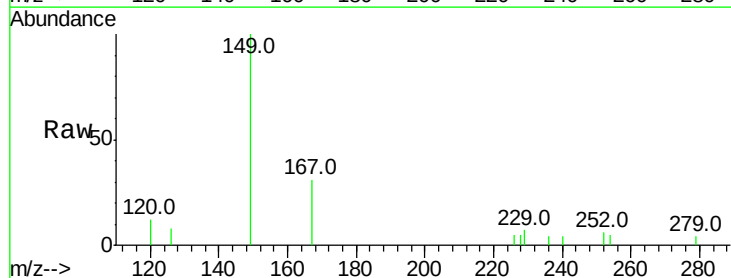
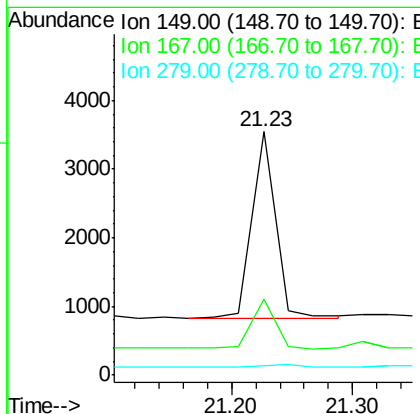
RT: 21.23 min Scan# 1195

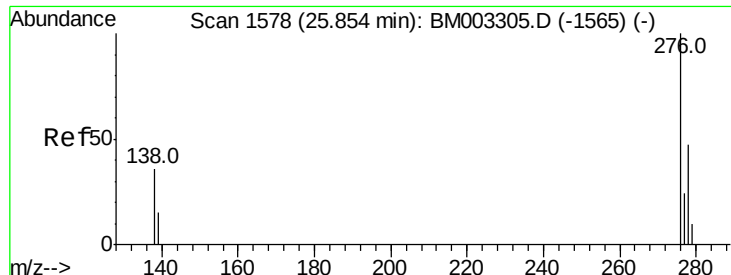
Delta R.T. -0.01 min

Lab File: BM003317.D

Acq: 27 Nov 2015 22:46

Tgt Ion:	149	Resp:	3623
Ion Ratio	Lower	Upper	
149	100		
167	25.9	19.6	29.4
279	0.0	0.0	0.0





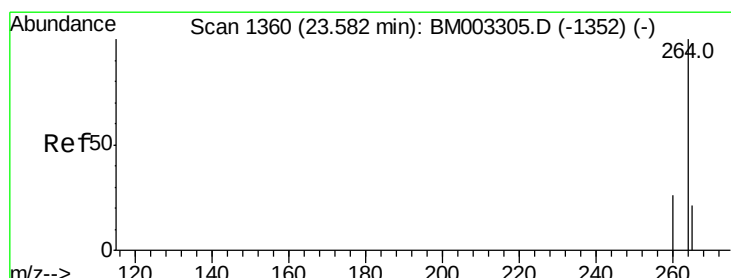
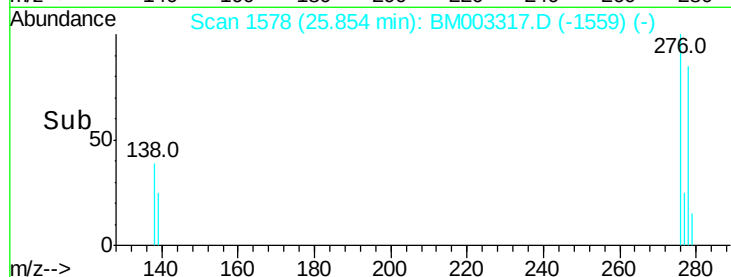
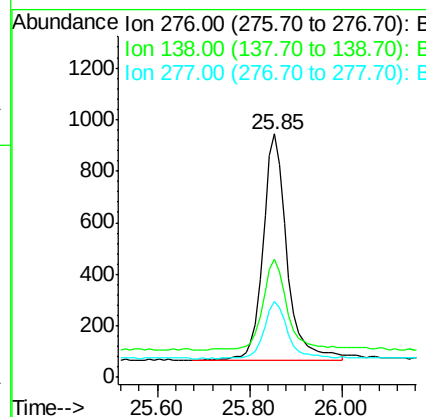
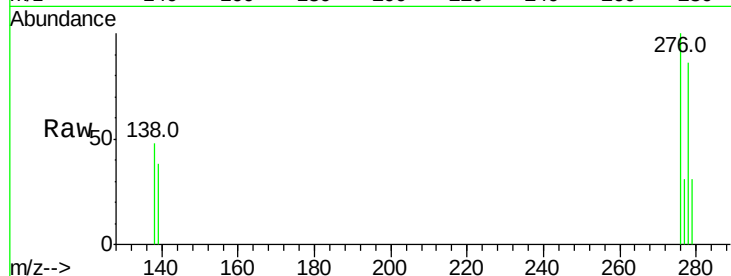
#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.07 ng
 RT: 25.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

Instrument :
 BNA_M
 ClientSampleId :
 DUP-111815-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	39.5	19.1	28.7#
277	25.3	15.9	23.9#

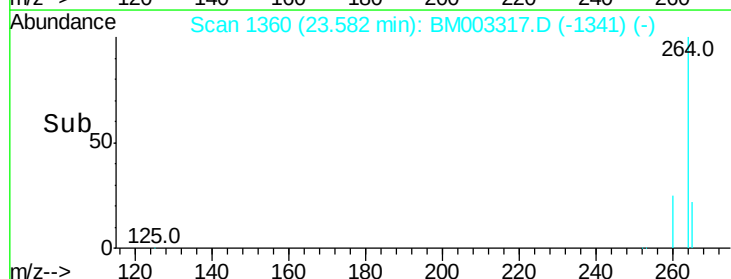
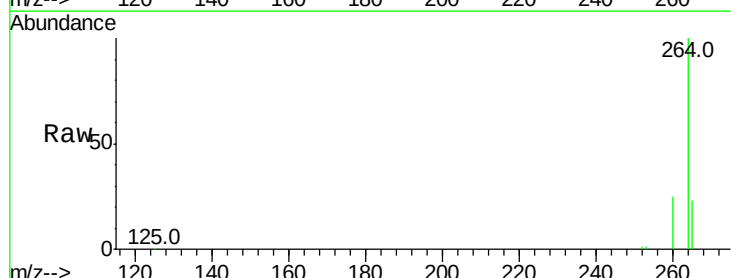
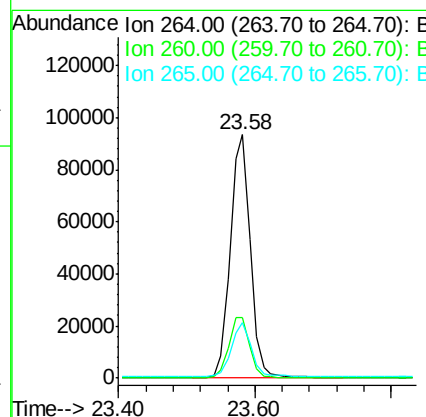
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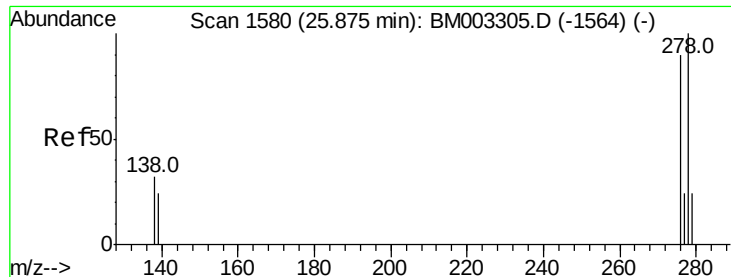
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 11/30/2015 5:45:54 PM



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BM003317.D
 Acq: 27 Nov 2015 22:46

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





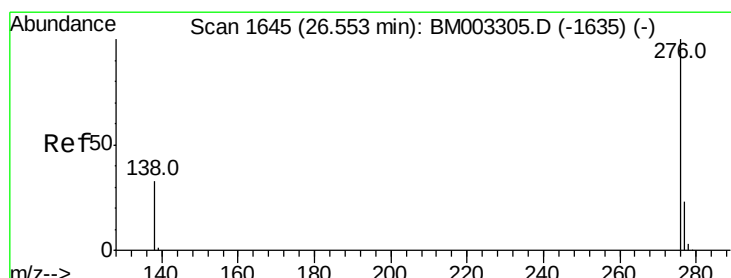
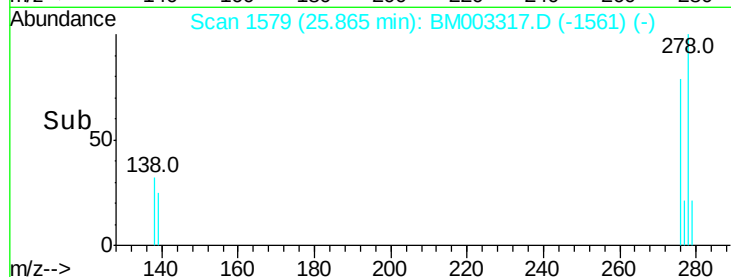
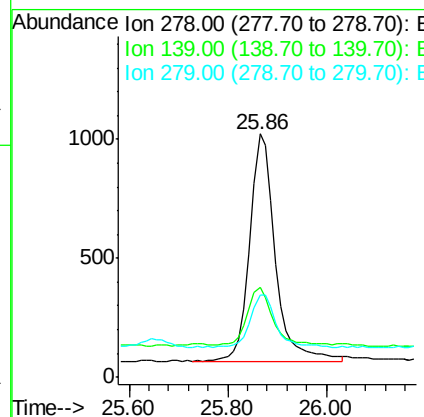
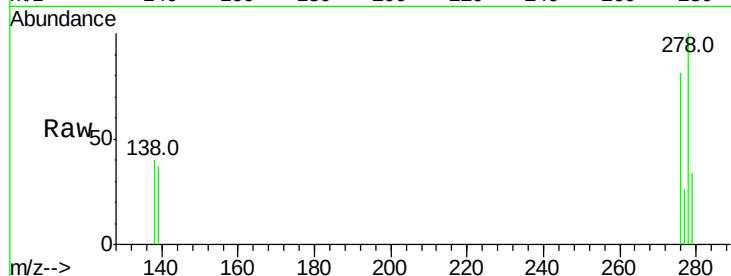
#39
Dibenzo(a,h)anthracene
Concen: 0.09 ng
RT: 25.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BM003317.D
Acq: 27 Nov 2015 22:46

Instrument :
BNA_M
ClientSampleId :
DUP-111815-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.8	18.2	27.4#
279	33.8	18.8	28.2#

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#40
Benzo(g,h,i)perylene
Concen: 0.04 ng
RT: 26.55 min Scan# 1645
Delta R.T. -0.00 min
Lab File: BM003317.D
Acq: 27 Nov 2015 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.6	19.0	28.6#
138	44.5	22.3	33.5#

