

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012716\
 Data File : BM004134.D
 Acq On : 27 Jan 2016 15:01
 Operator : SJ/IZ
 Sample : H1242-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TW1

Manual Integrations
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Quant Time: Jan 28 09:36:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM012216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 22 14:46:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	16251	5.00	ng	0.00
7) Naphthalene-d8	10.44	136	73469	5.00	ng	0.00
13) Acenaphthene-d10	14.31	164	44588	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	128257	5.00	ng	0.00
26) Chrysene-d12	21.27	240	144074	5.00	ng	0.00
35) Perylene-d12	23.51	264	135422	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	10580	3.12	ng	-0.02
5) Phenol-d6	6.85	99	10255	2.51	ng	0.00
8) Nitrobenzene-d5	8.83	82	10371	3.22	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	13240	7.58	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	49926	3.65	ng	0.00
29) Terphenyl-d14	19.71	244	83827	4.58	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Naphthalene	10.49	128	858	0.05	ng	# 69
12) 2-Methylnaphthalene	12.13	142	318	0.03	ng	# 86
16) Acenaphthylene	14.02	152	694	0.04	ng	# 87
17) Acenaphthene	14.37	154	714	0.05	ng	# 84
18) Fluorene	15.37	166	887	0.05	ng	# 91
22) Pentachlorophenol	16.76	266	172	0.36	ng	# 77
25) Fluoranthene	19.14	202	4348	0.13	ng	99
28) Pyrene	19.50	202	4366	0.09	ng	96
30) Benzo(a)anthracene	21.25	228	3908	0.04	ng	# 87
33) Bis(2-ethylhexyl)phthalate	21.19	149	8812	0.67	ng	# 98
34) Indeno(1,2,3-cd)pyrene	25.76	276	2966	0.09	ng	98
36) Benzo(b)fluoranthene	22.84	252	4631m	0.11	ng	
37) Benzo(k)fluoranthene	22.88	252	1349m	0.04	ng	
38) Benzo(a)pyrene	23.40	252	2625	0.07	ng	# 73
39) Dibenzo(a,h)anthracene	25.77	278	1738	0.05	ng	# 71
40) Benzo(g,h,i)perylene	26.45	276	2599	0.07	ng	# 87

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

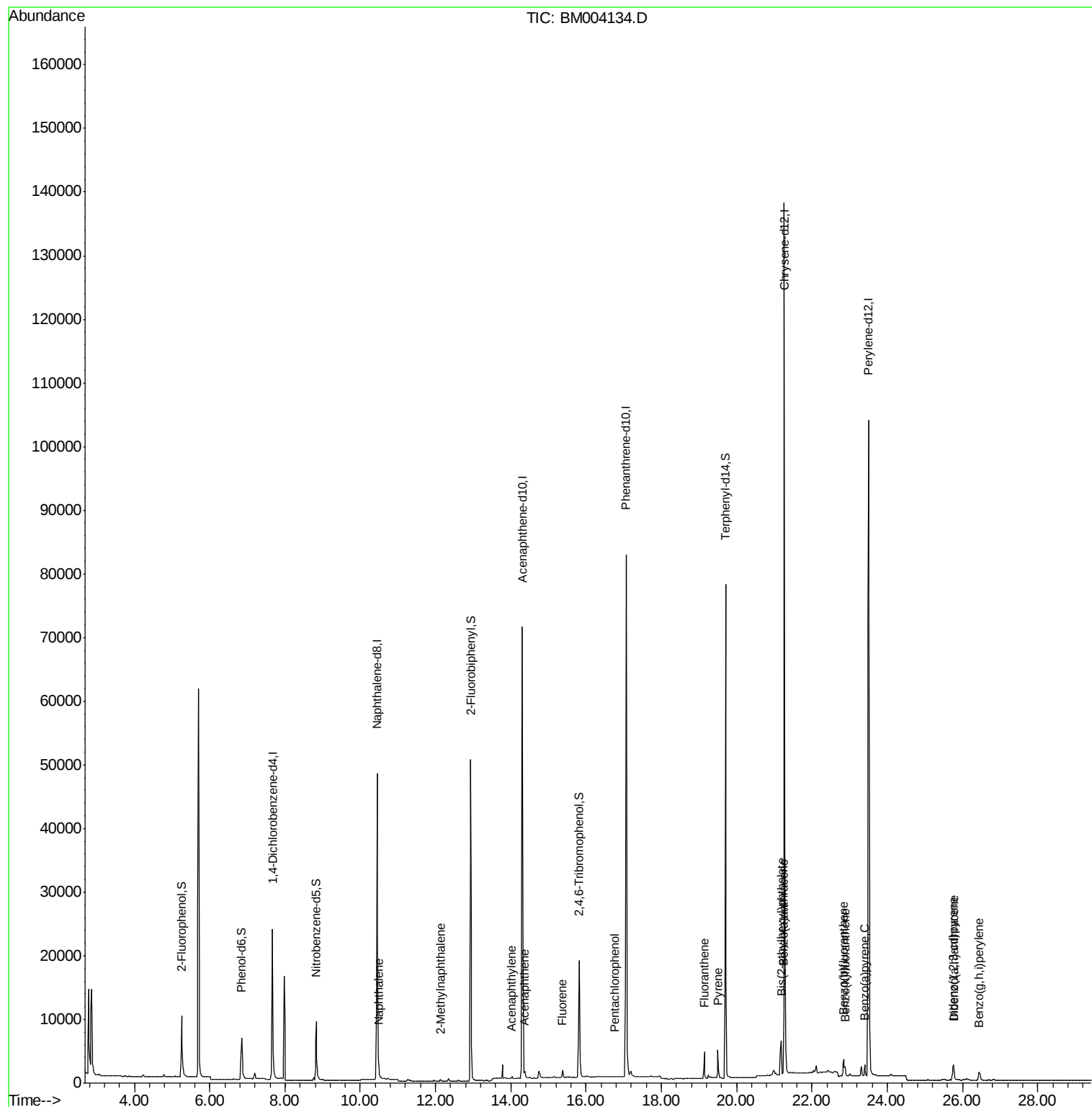
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012716\
Data File : BM004134.D
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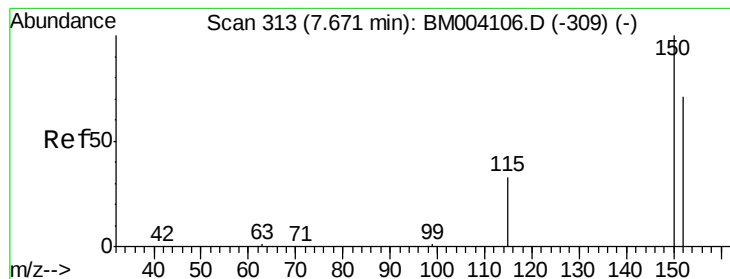
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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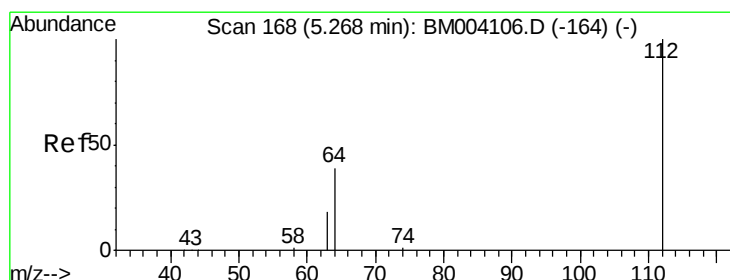
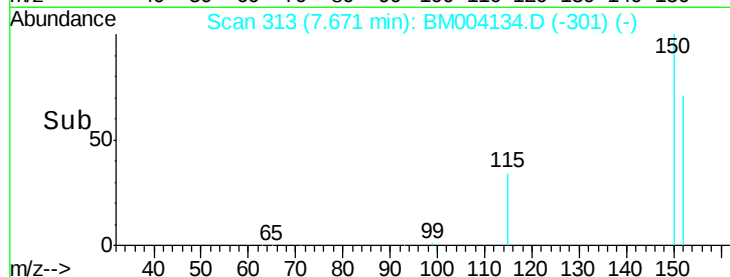
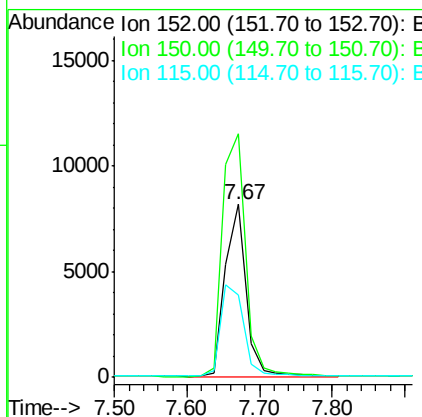
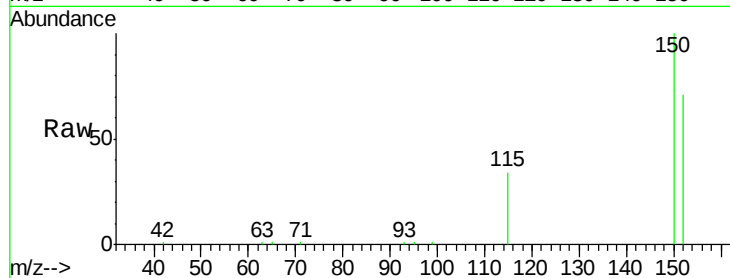
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 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.67 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Instrument :
 BNA_M
 ClientSampleId :
 TW1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	141.1	122.9	184.3
115	47.9	44.4	66.6

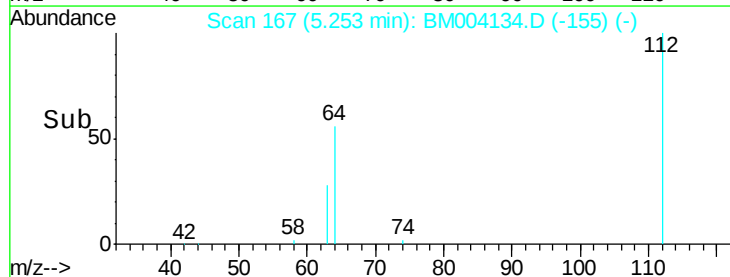
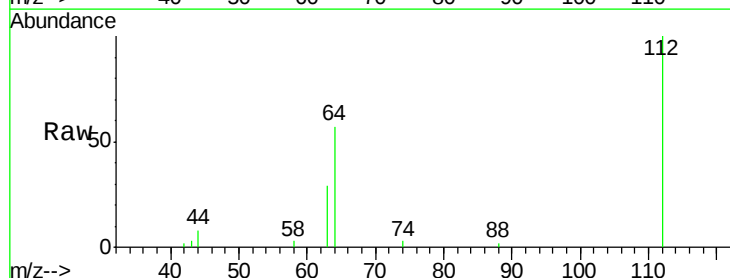
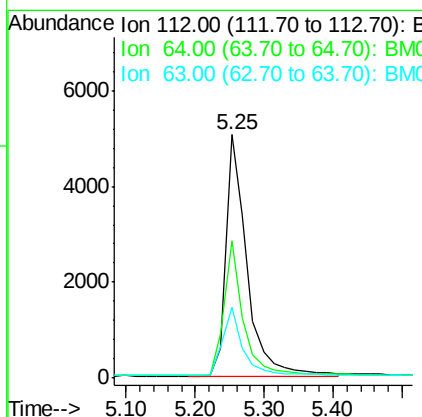
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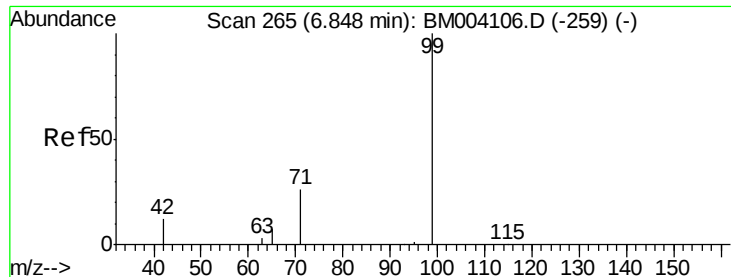
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#4
 2-Fluorophenol
 Concen: 3.12 ng
 RT: 5.25 min Scan# 167
 Delta R.T. -0.02 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.8	62.8
63	27.5	22.1	33.1





#5

Phenol-d6

Concen: 2.51 ng

RT: 6.85 min Scan# 265

Delta R.T. -0.00 min

Lab File: BM004134.D

Acq: 27 Jan 2016 15:01

Instrument :

BNA_M

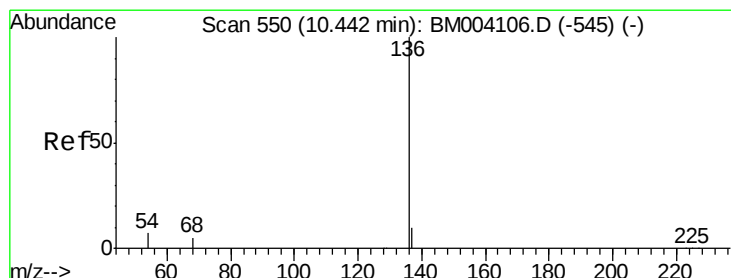
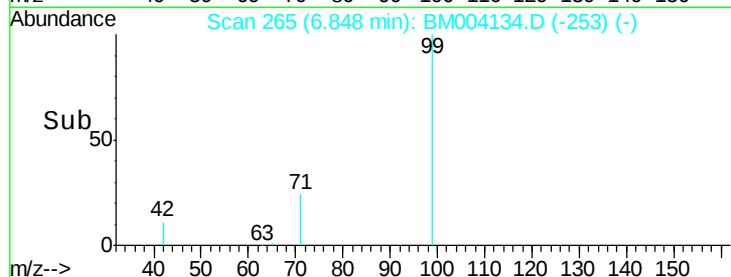
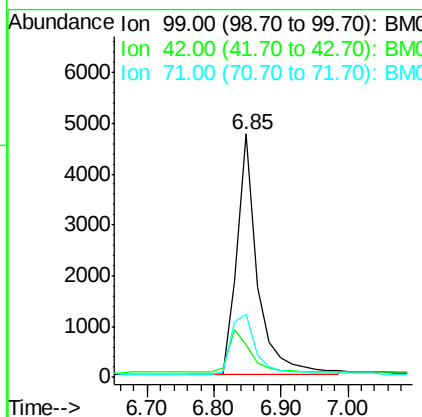
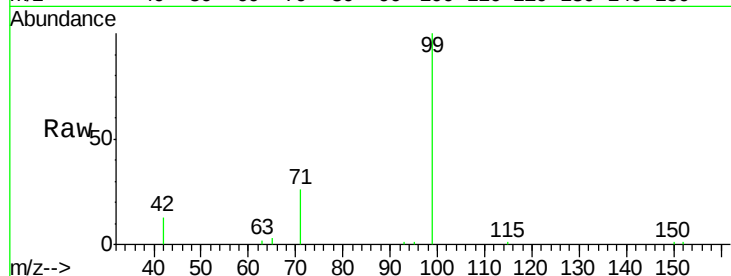
ClientSampleId :

TW1

Tgt Ion:	99	Resp:	10255
Ion Ratio	Lower	Upper	
99	100		
42	19.2	16.2	24.2
71	31.0	24.4	36.6

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#7

Naphthalene-d8

Concen: 5.00 ng

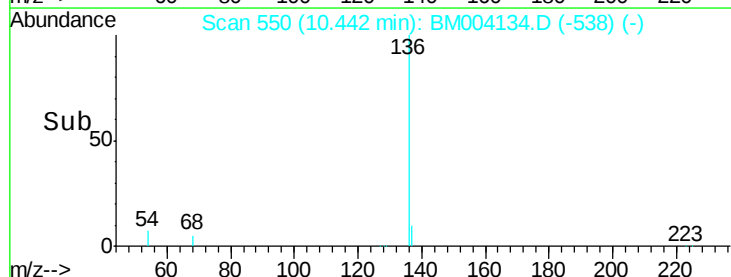
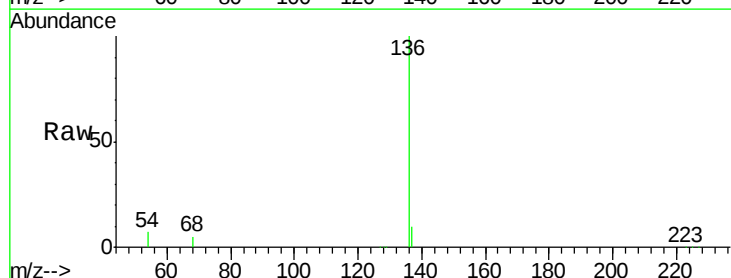
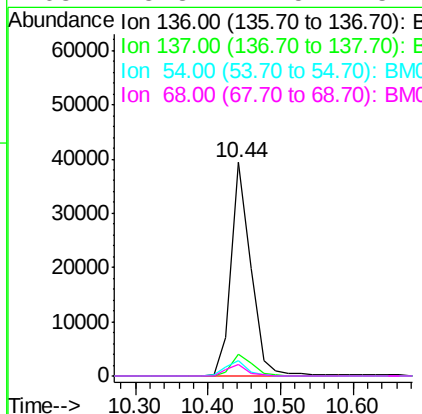
RT: 10.44 min Scan# 550

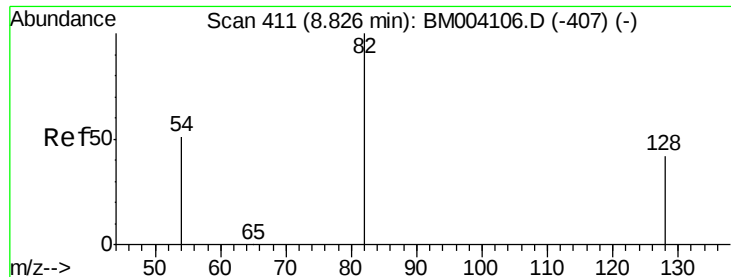
Delta R.T. -0.00 min

Lab File: BM004134.D

Acq: 27 Jan 2016 15:01

Tgt Ion:	136	Resp:	73469
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.2	13.8
54	7.0	2.8	4.2#
68	5.3	2.5	3.7#





#8

Nitrobenzene-d5

Concen: 3.22 ng

RT: 8.83 min Scan# 411

Delta R.T. -0.00 min

Lab File: BM004134.D

Acq: 27 Jan 2016 15:01

Instrument :

BNA_M

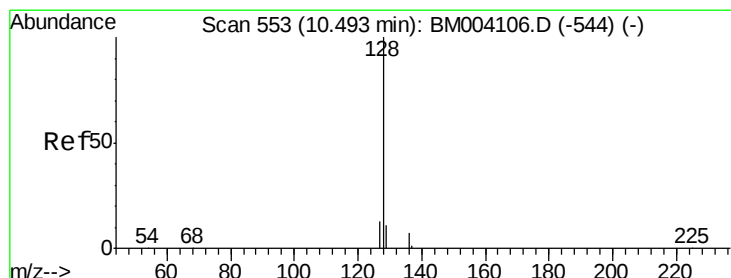
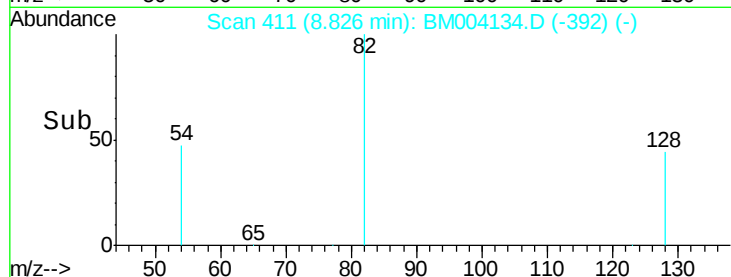
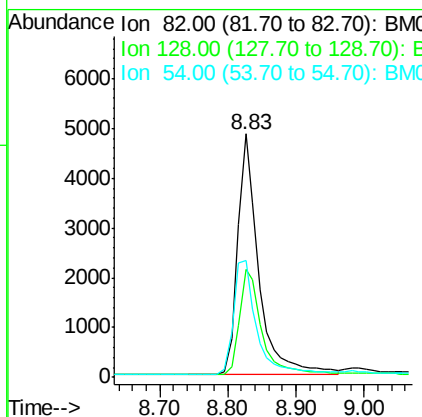
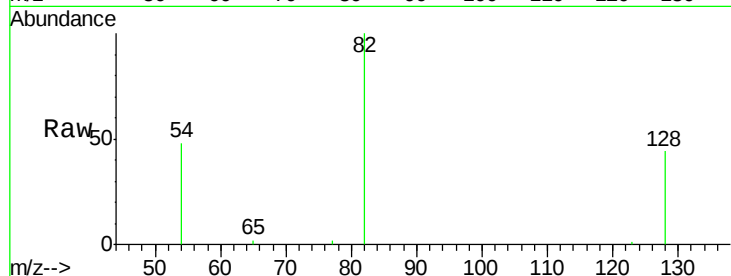
ClientSampleId :

TW1

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Tgt Ion	82	Resp	10371
Ion Ratio	100	Lower	Upper
128	44.5	39.1	58.7
54	48.0	34.8	52.2



#10

Naphthalene

Concen: 0.05 ng

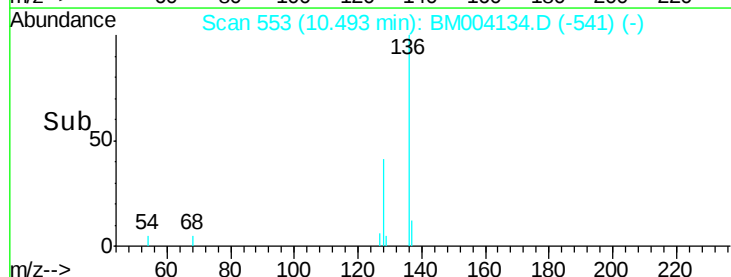
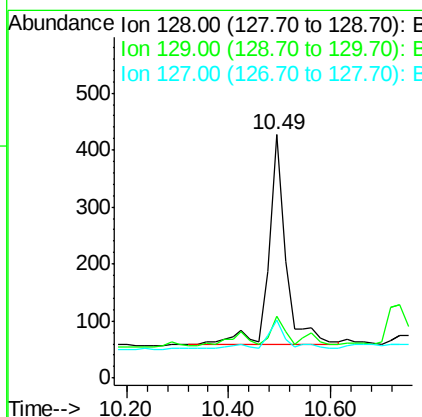
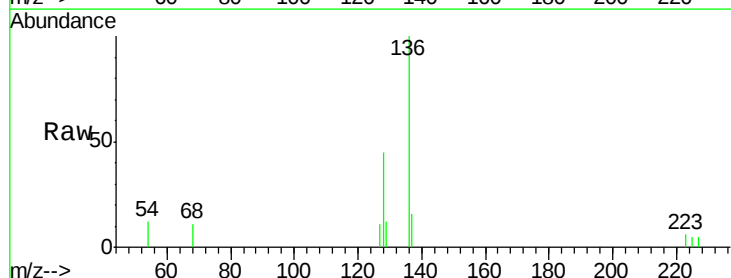
RT: 10.49 min Scan# 553

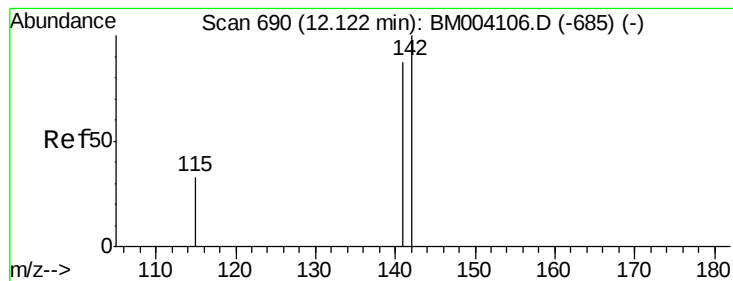
Delta R.T. -0.00 min

Lab File: BM004134.D

Acq: 27 Jan 2016 15:01

Tgt Ion	128	Resp	858
Ion Ratio	100	Lower	Upper
129	25.5	8.5	12.7#
127	23.7	11.0	16.4#





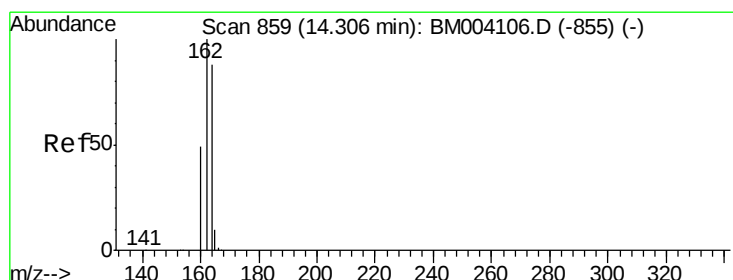
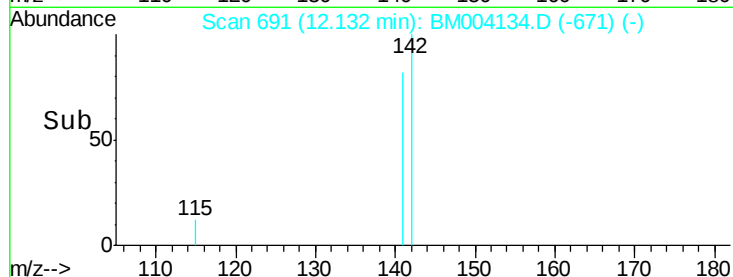
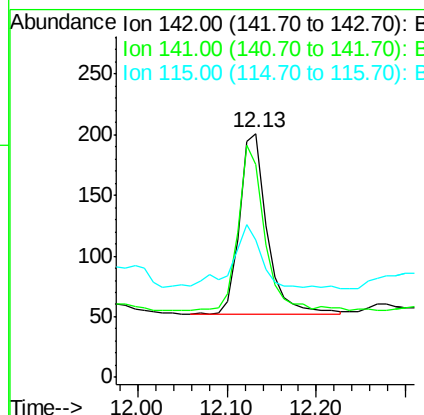
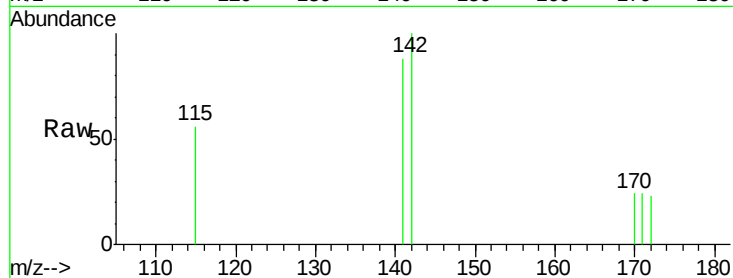
#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.13 min Scan# 691
Delta R.T. 0.01 min
Lab File: BM004134.D
Acq: 27 Jan 2016 15:01

Instrument :
BNA_M
ClientSampleId :
TW1

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	67.8	101.8
115	56.2	25.3	37.9

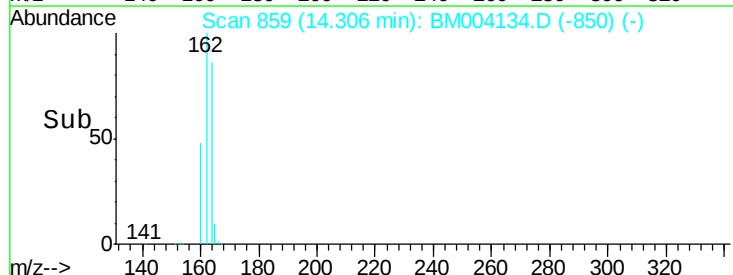
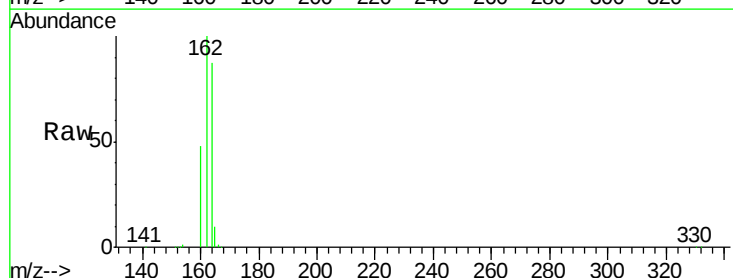
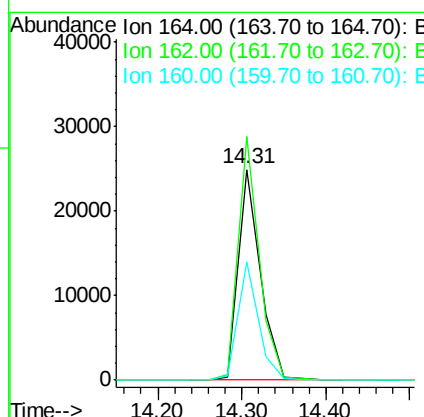
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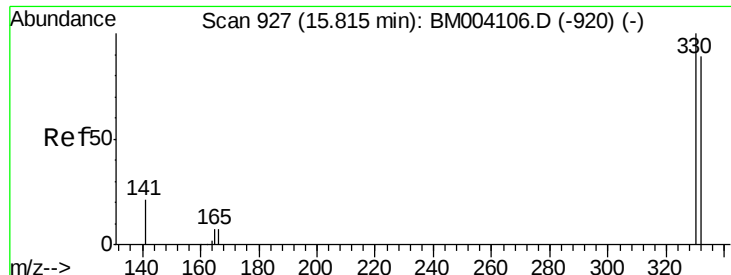
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#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.31 min Scan# 859
Delta R.T. -0.00 min
Lab File: BM004134.D
Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	115.6	86.0	129.0
160	56.1	40.3	60.5





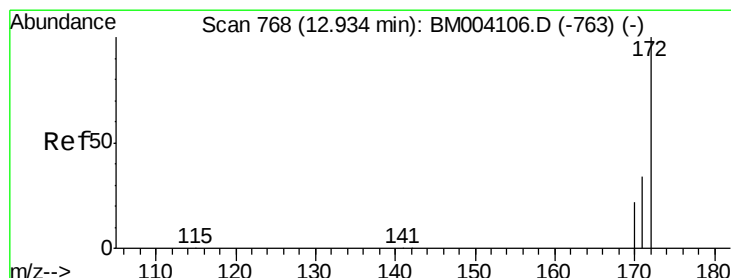
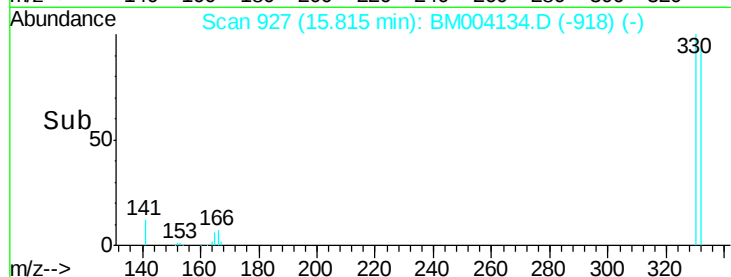
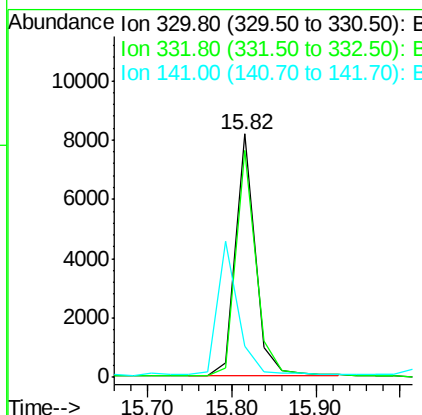
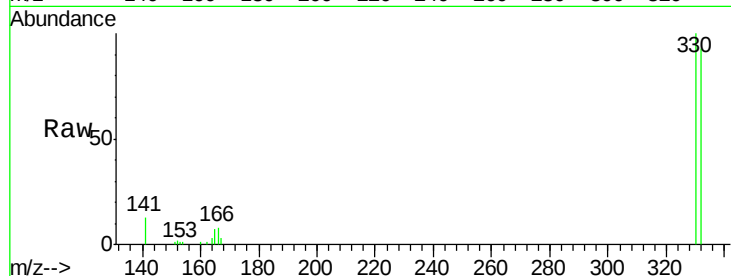
#14
 2,4,6-Tribromophenol
 Concen: 7.58 ng
 RT: 15.82 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Instrument :
 BNA_M
 ClientSampleId :
 TW1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.8	79.0	118.4
141	0.0	27.8	41.6#

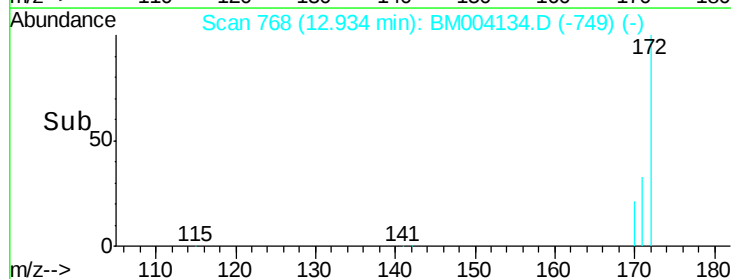
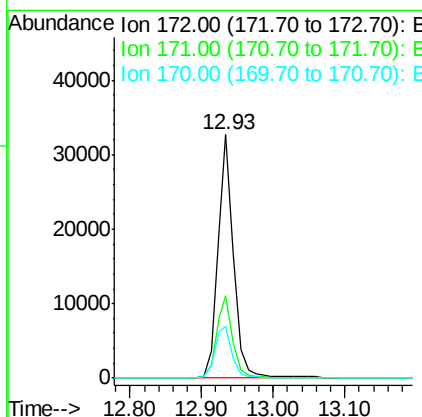
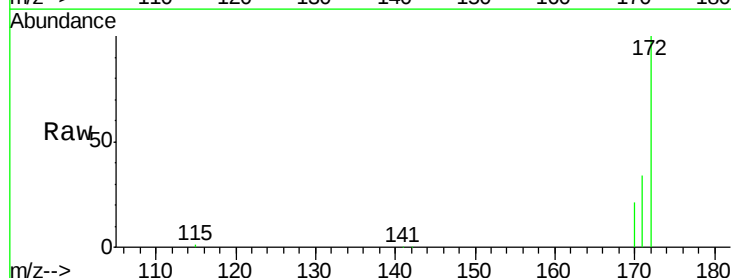
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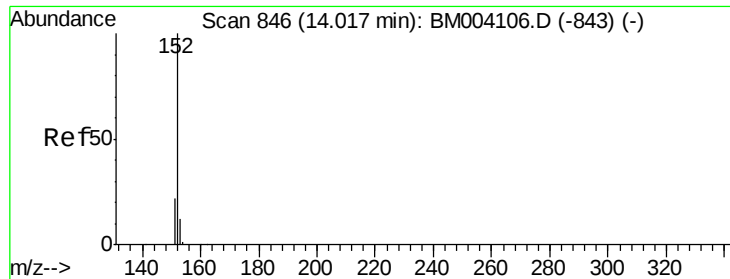
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#15
 2-Fluorobiphenyl
 Concen: 3.65 ng
 RT: 12.93 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.0	40.6
170	21.1	17.9	26.9





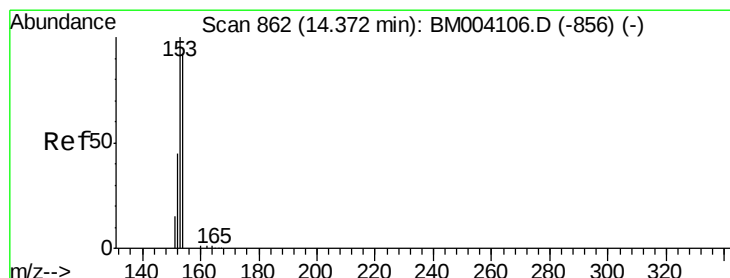
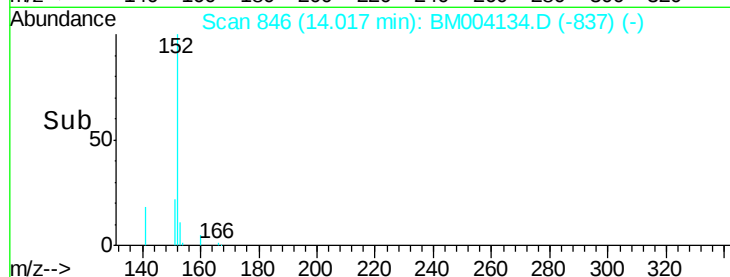
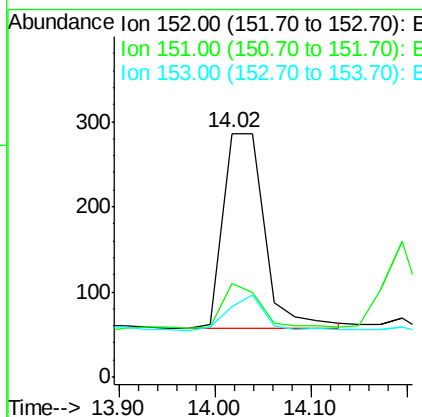
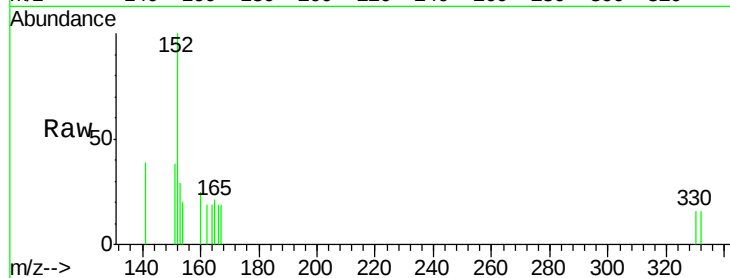
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Acenaphthylene
Concen: 0.04 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.00 min
Lab File: BM004134.D
Acq: 27 Jan 2016 15:01

Instrument :
BNA_M
ClientSampleId :
TW1

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	0.0	10.2	15.4#

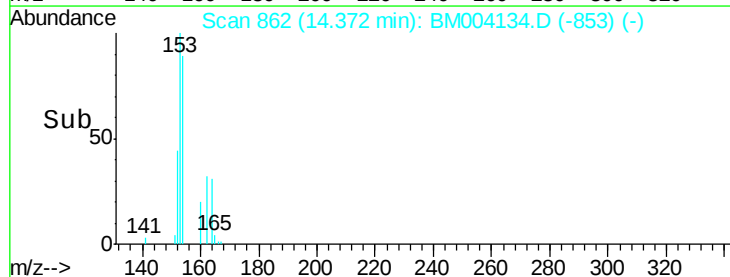
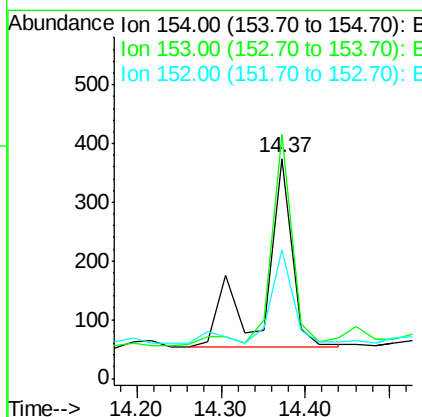
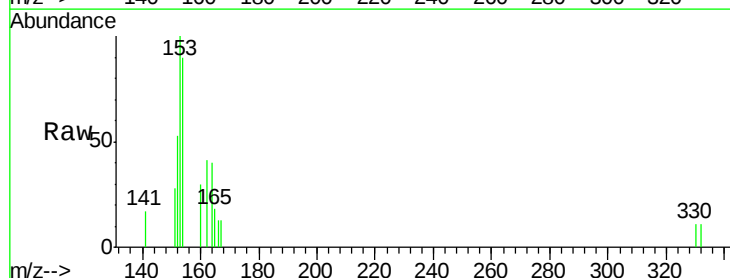
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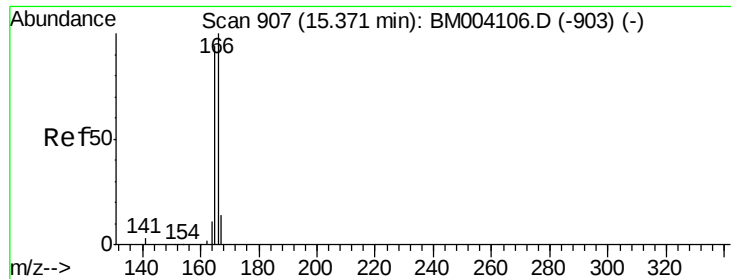
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#17
Acenaphthene
Concen: 0.05 ng
RT: 14.37 min Scan# 862
Delta R.T. -0.00 min
Lab File: BM004134.D
Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	91.2	85.4	128.2
152	38.7	40.6	60.8#





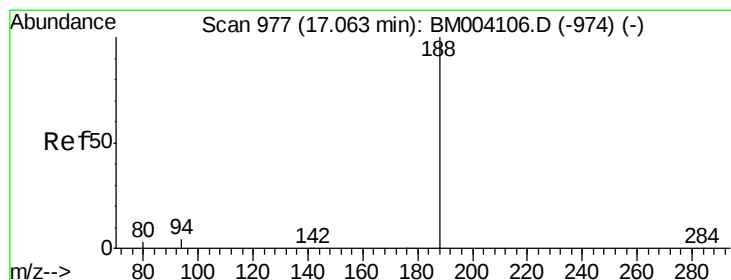
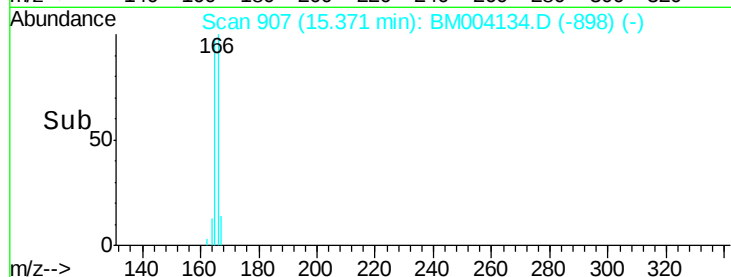
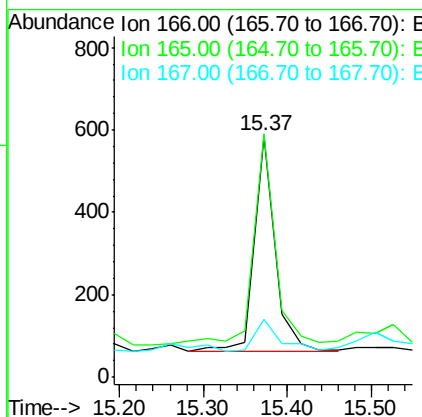
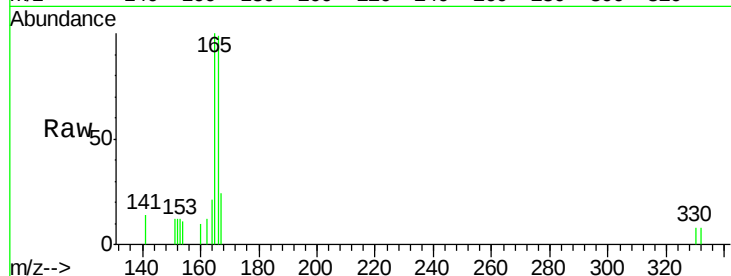
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 Fluorene
 Concen: 0.05 ng
 RT: 15.37 min Scan# 907
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Instrument :
 BNA_M
 ClientSampleId :
 TW1

Tgt Ion:	166	Resp:	887
Ion Ratio	Lower	Upper	
166	100		
165	105.0	77.2	115.8
167	18.5	11.0	16.6#

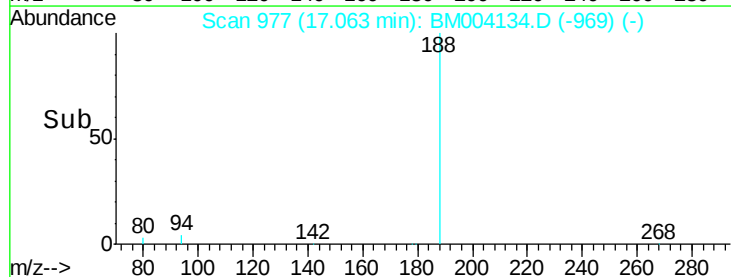
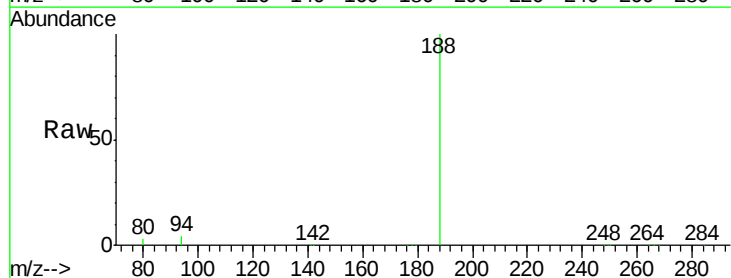
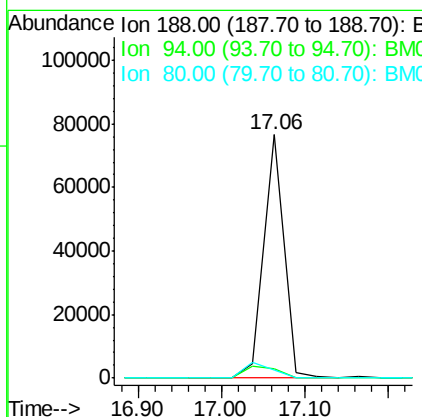
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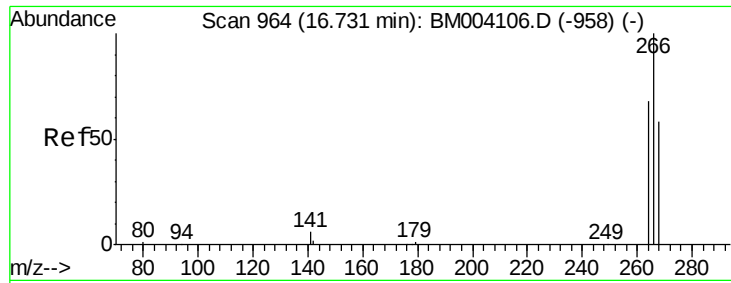
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#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.06 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Tgt Ion:	188	Resp:	128257
Ion Ratio	Lower	Upper	
188	100		
94	3.9	20.3	30.5#
80	3.3	22.2	33.4#





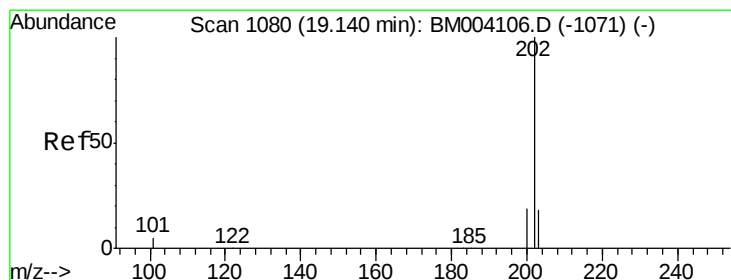
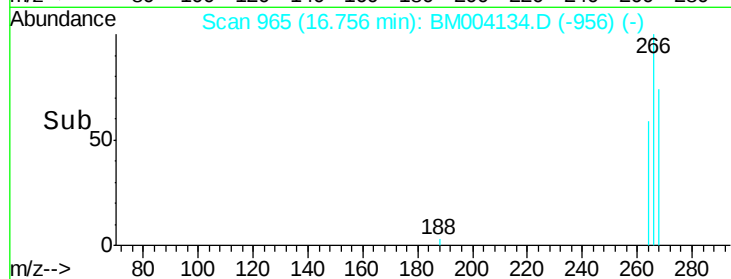
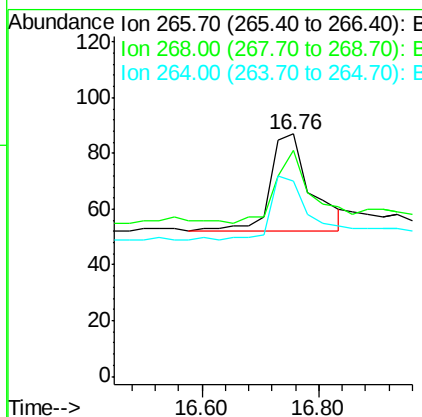
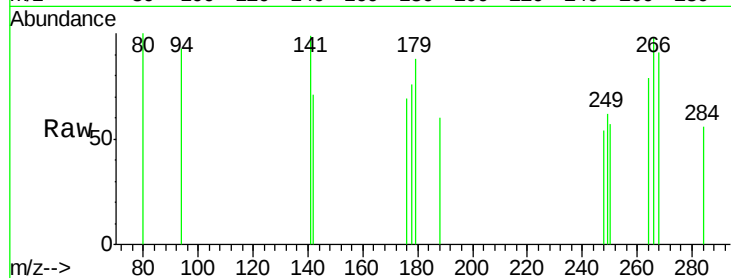
#22
 Pentachlorophenol
 Concen: 0.36 ng
 RT: 16.76 min Scan# 965
 Delta R.T. 0.03 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Instrument :
 BNA_M
 ClientSampleId :
 TW1

Tgt Ion	Ratio	Lower	Upper
266	100		
268	93.1	62.7	94.1
264	80.5	45.7	68.5

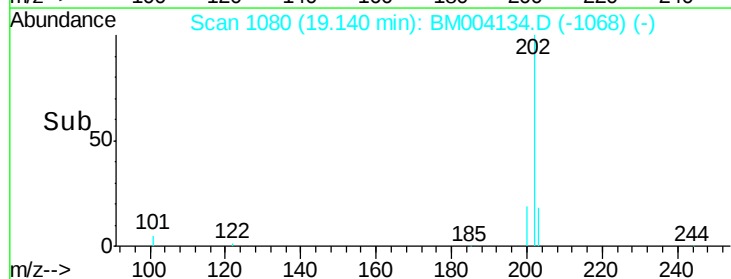
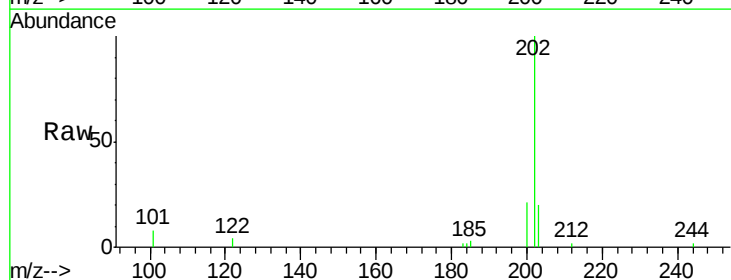
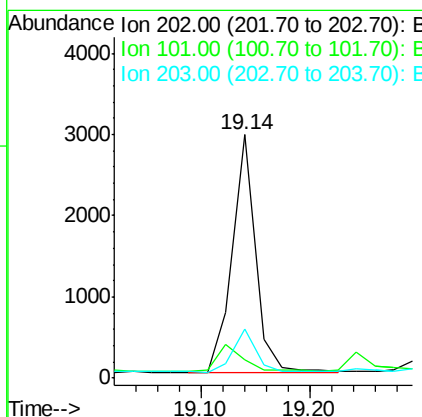
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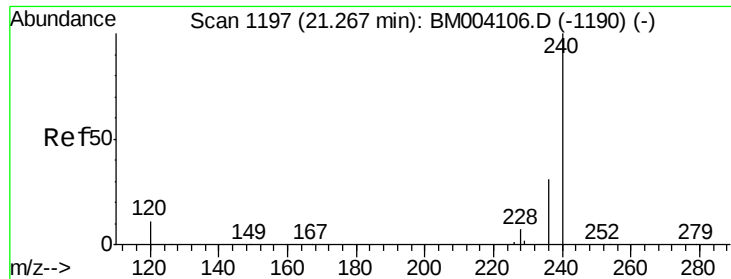
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#25
 Fluoranthene
 Concen: 0.13 ng
 RT: 19.14 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.7	14.5
203	17.1	13.8	20.8





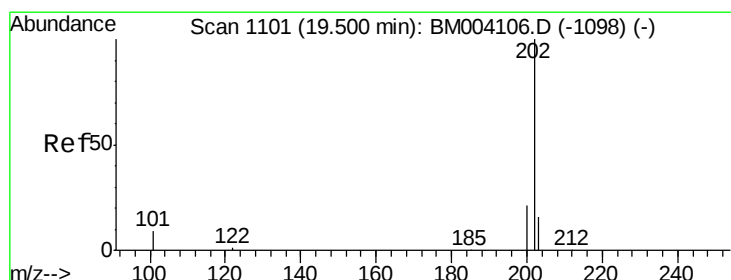
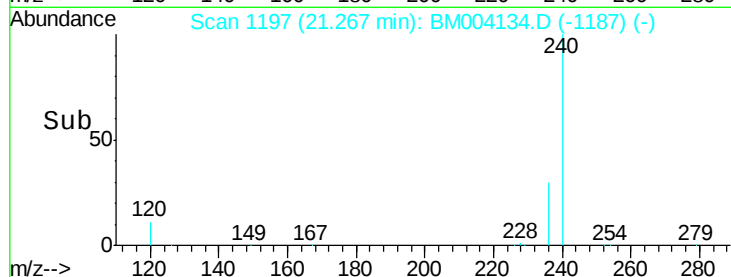
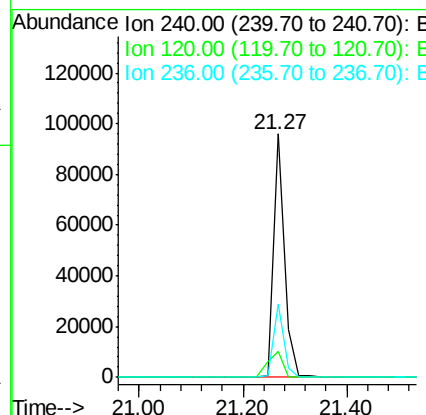
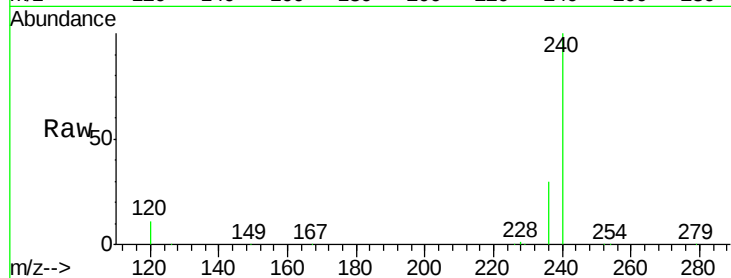
#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BM004134.D
Acq: 27 Jan 2016 15:01

Instrument :
BNA_M
ClientSampleId :
TW1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	0.9	1.3#
236	30.4	17.3	25.9#

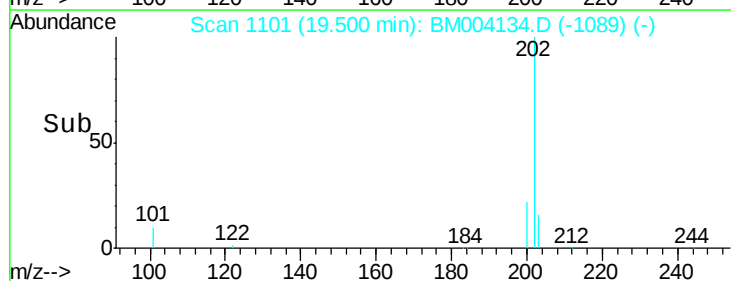
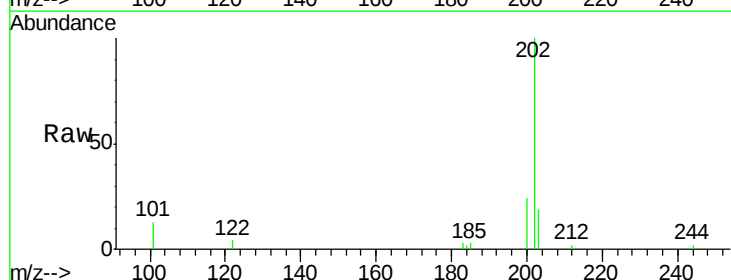
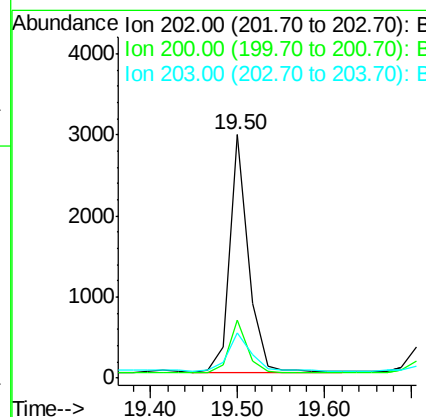
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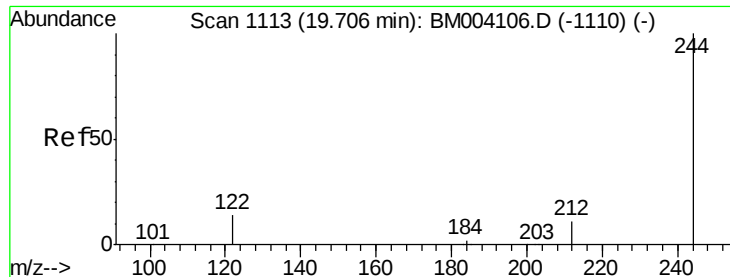
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#28
Pyrene
Concen: 0.09 ng
RT: 19.50 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM004134.D
Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	24.8
203	20.5	14.0	21.0





#29

Terphenyl-d14

Concen: 4.58 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BM004134.D

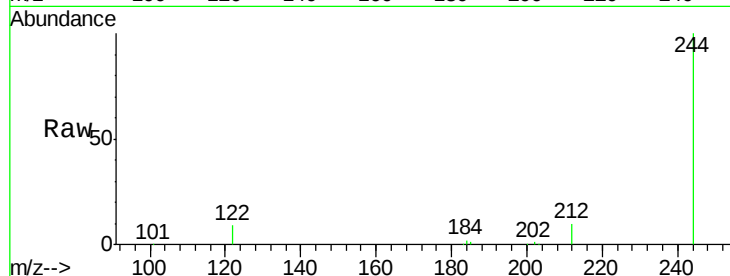
Acq: 27 Jan 2016 15:01

Instrument :

BNA_M

ClientSampleId :

TW1



Tgt Ion:244 Resp: 83827

Ion Ratio Lower Upper

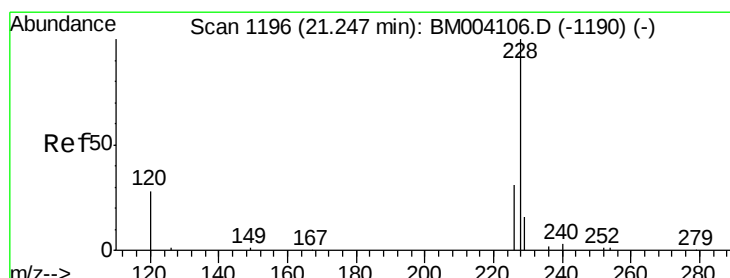
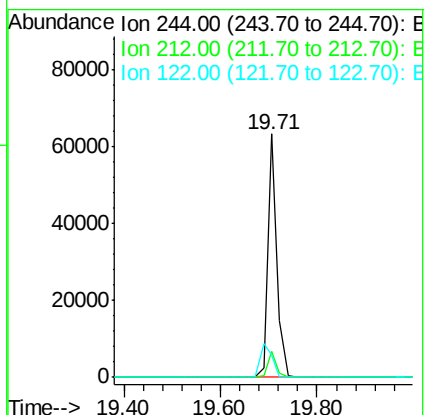
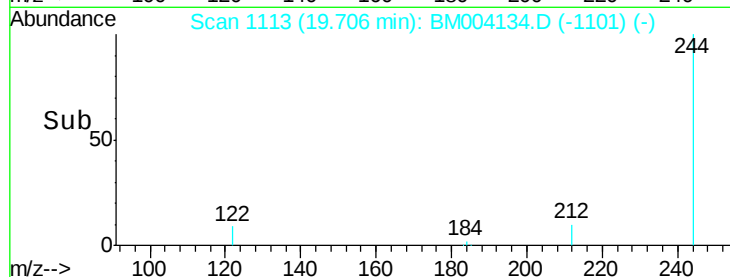
244 100

212 10.5 7.0 10.6

122 9.1 3.0 4.6

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#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.25 min Scan# 1196

Delta R.T. 0.00 min

Lab File: BM004134.D

Acq: 27 Jan 2016 15:01

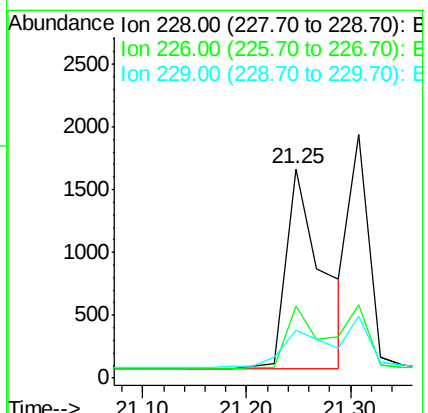
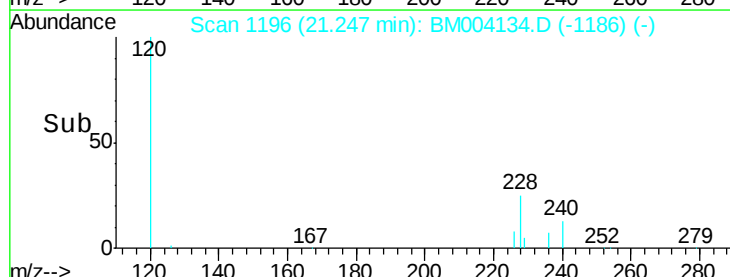
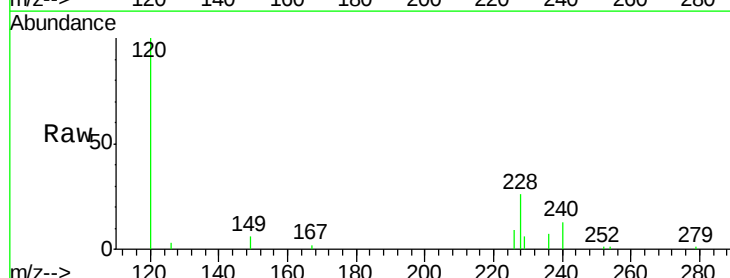
Tgt Ion:228 Resp: 3908

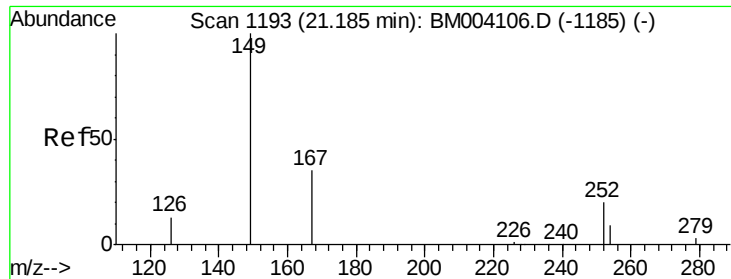
Ion Ratio Lower Upper

228 100

226 34.3 17.2 25.8

229 23.1 18.7 28.1





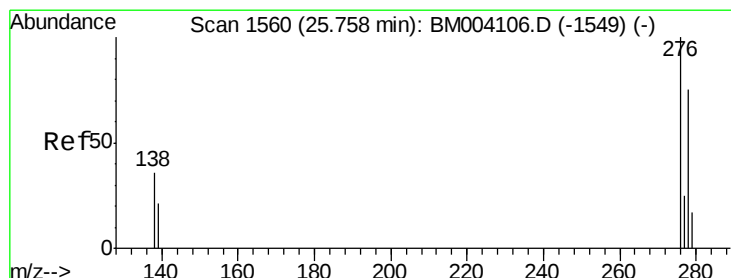
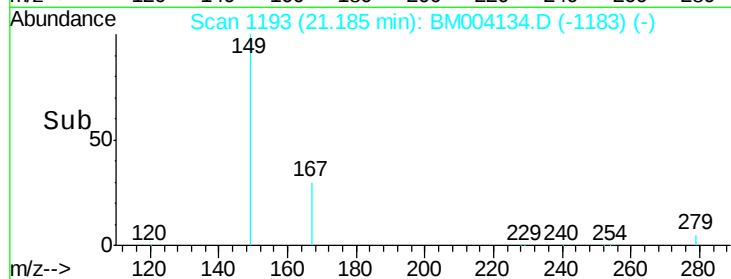
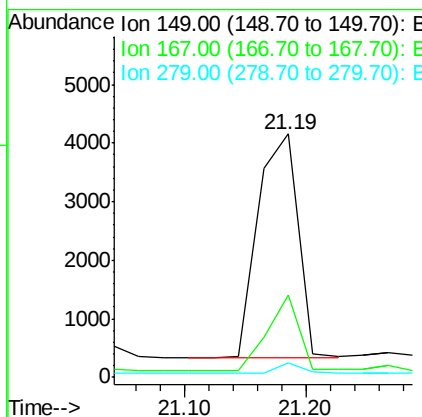
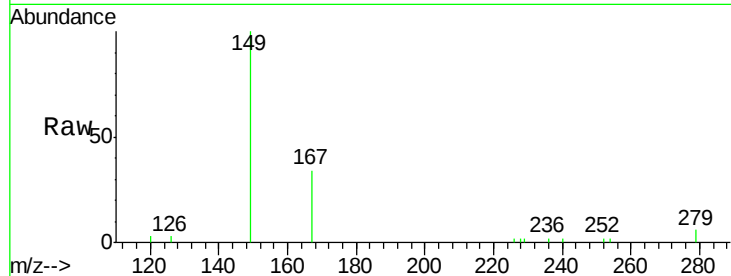
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.67 ng
 RT: 21.19 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Instrument :
 BNA_M
 ClientSampleID :
 TW1

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.1	30.1
279	3.1	1.8	2.6

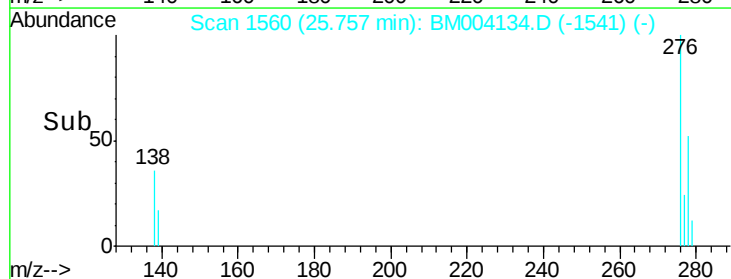
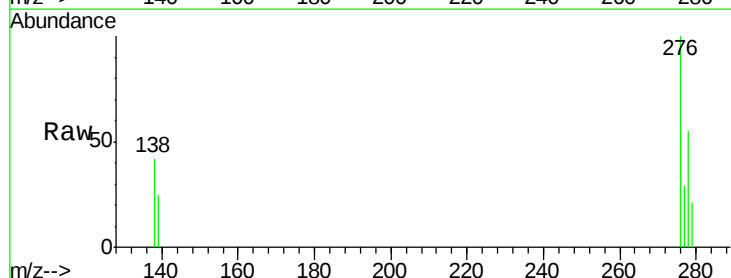
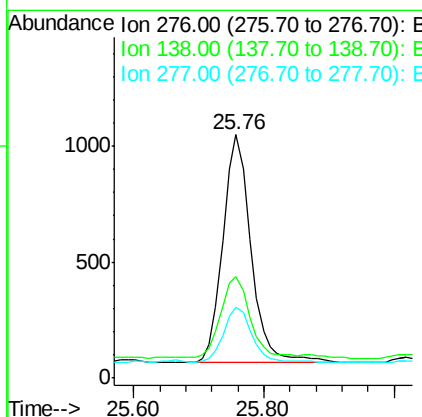
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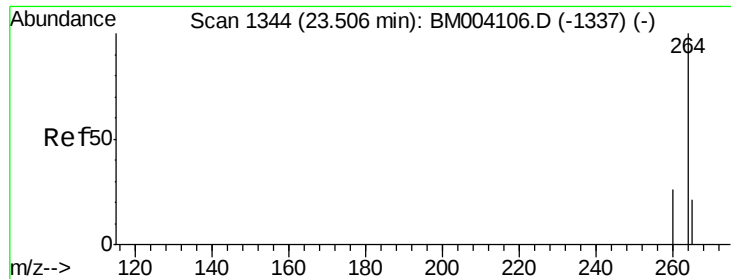
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#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.09 ng
 RT: 25.76 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.3	30.2	45.2
277	23.4	19.8	29.8





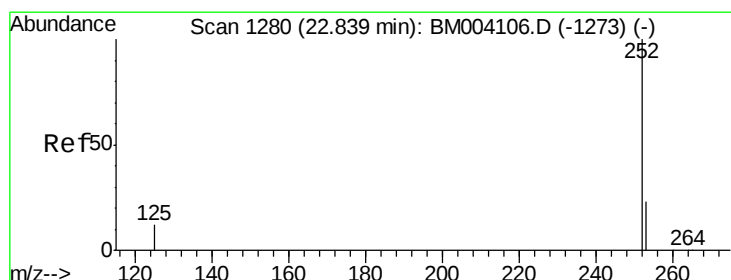
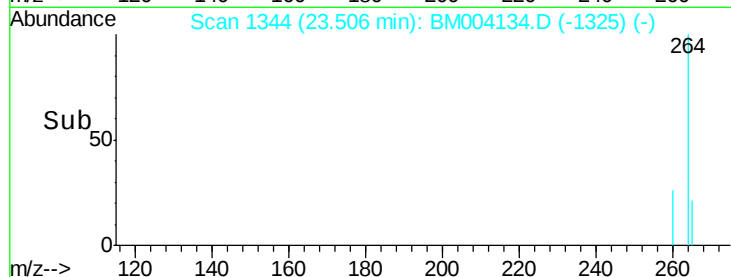
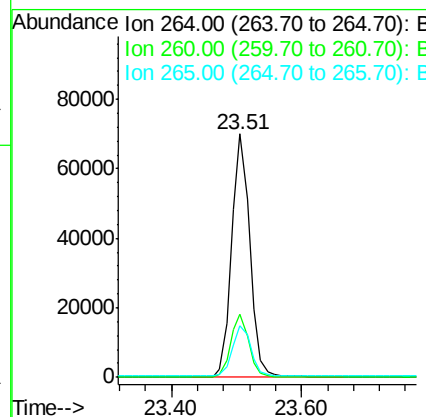
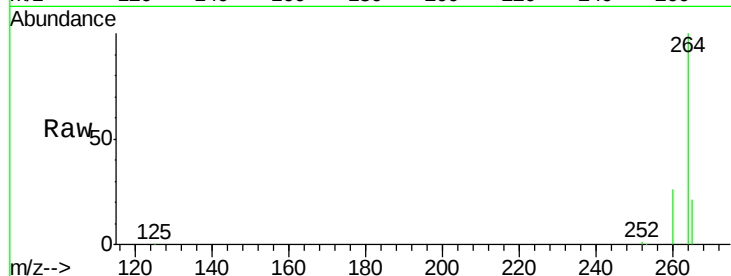
#35
Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Instrument :
 BNA_M
 ClientSampleId :
 TW1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.2	31.8
265	21.4	16.7	25.1

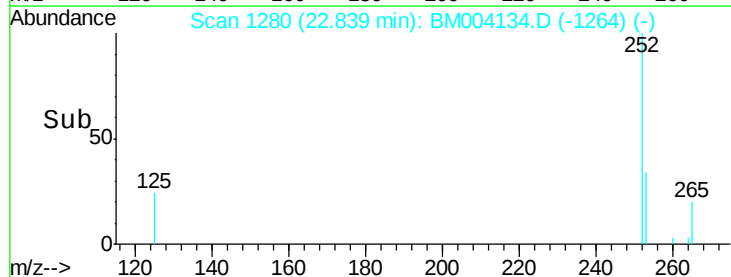
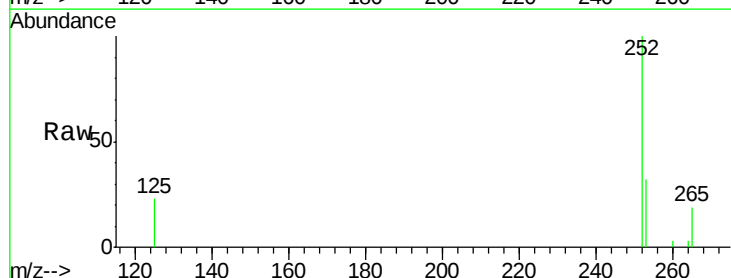
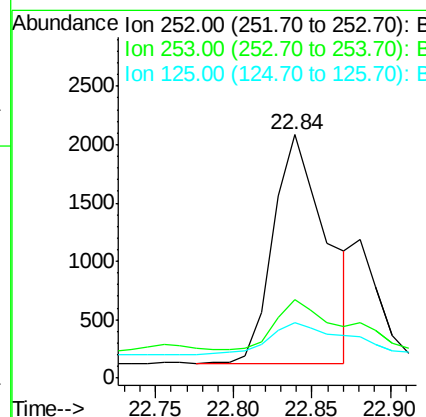
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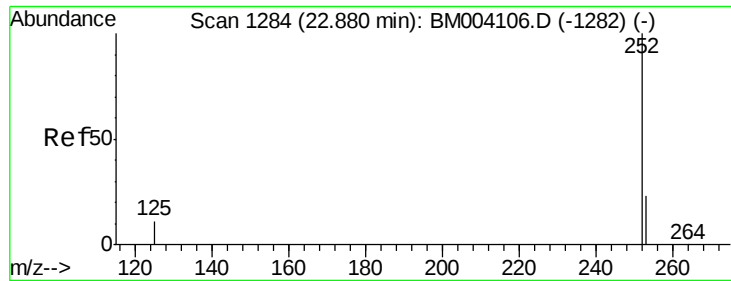
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#36
Benzo(b)fluoranthene
 Concen: 0.11 ng m
 RT: 22.84 min Scan# 1280
 Delta R.T. -0.00 min
 Lab File: BM004134.D
 Acq: 27 Jan 2016 15:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.8	28.2#
125	22.8	10.2	15.4#





#37

Benzo(k)fluoranthene

Concen: 0.04 ng m

RT: 22.88 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BM004134.D

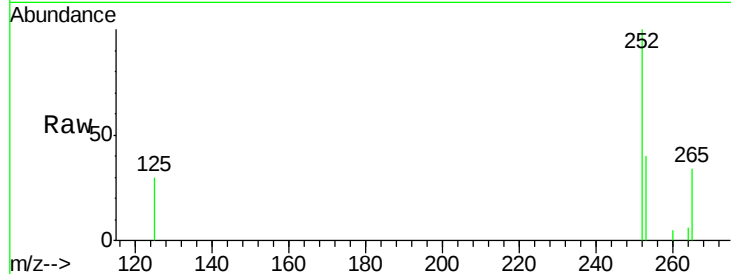
Acq: 27 Jan 2016 15:01

Instrument :

BNA_M

ClientSampled :

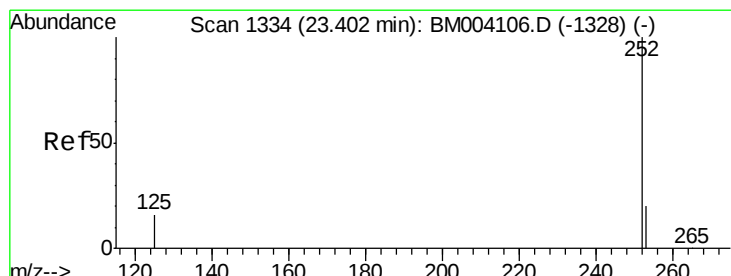
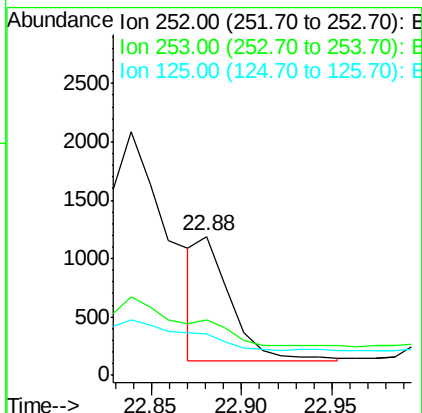
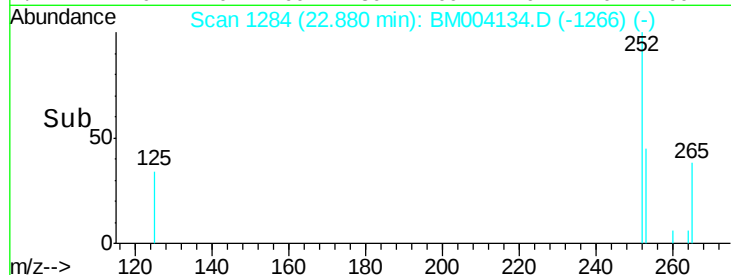
TW1



Tgt Ion:	252	Resp:	1349
Ion Ratio	Lower	Upper	
252	100		
253	40.2	18.3	27.5#
125	30.1	10.6	15.8#

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#38

Benzo(a)pyrene

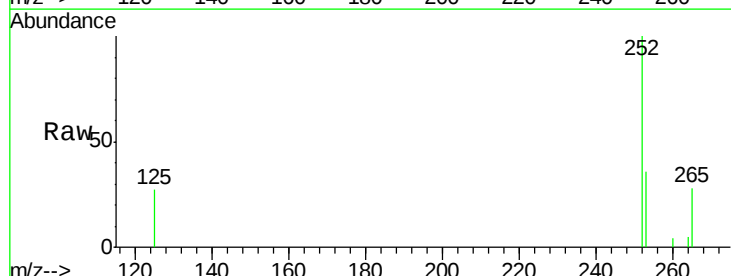
Concen: 0.07 ng

RT: 23.40 min Scan# 1334

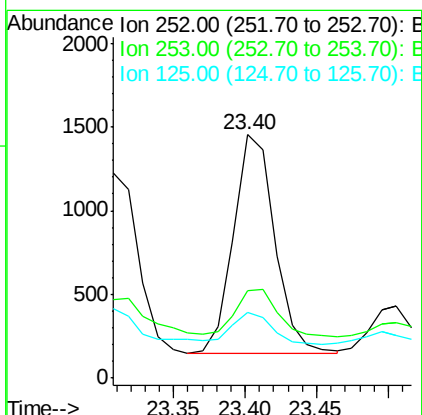
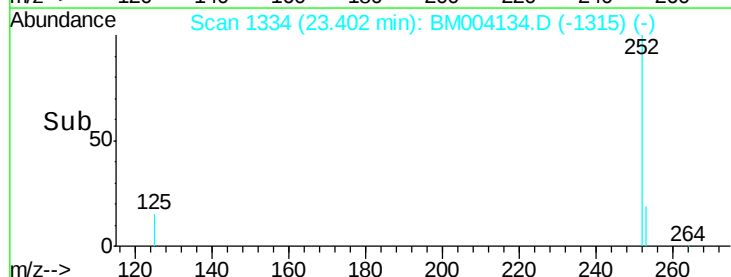
Delta R.T. -0.00 min

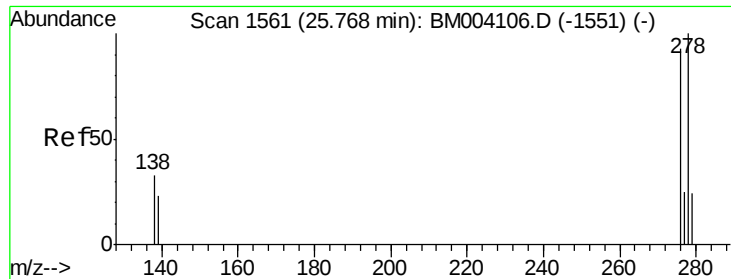
Lab File: BM004134.D

Acq: 27 Jan 2016 15:01



Tgt Ion:	252	Resp:	2625
Ion Ratio	Lower	Upper	
252	100		
253	35.8	18.7	28.1#
125	27.0	11.8	17.8#





#39

Dibenzo(a,h)anthracene

Concen: 0.05 ng

RT: 25.77 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BM004134.D

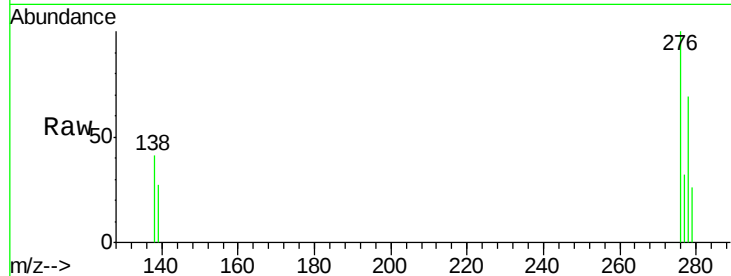
Acq: 27 Jan 2016 15:01

Instrument :

BNA_M

ClientSampleId :

TW1



Tgt Ion: 278 Resp: 1738

Ion Ratio Lower Upper

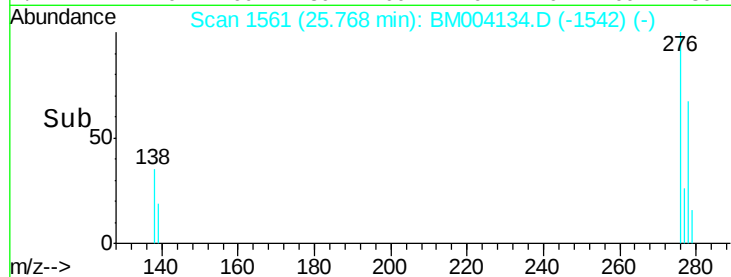
278 100

139 39.4 19.0 28.6#

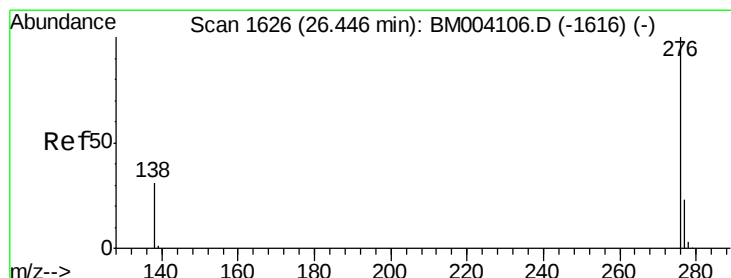
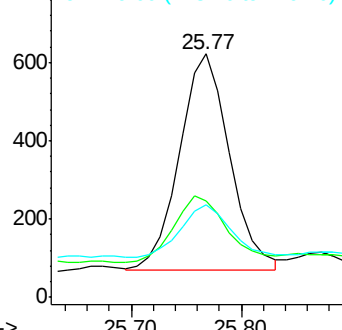
279 37.8 19.6 29.4#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 0.07 ng

RT: 26.45 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BM004134.D

Acq: 27 Jan 2016 15:01

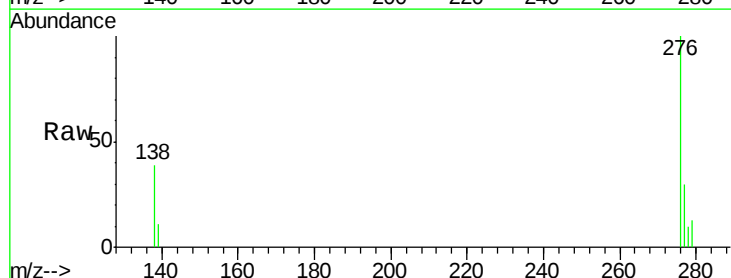
Tgt Ion: 276 Resp: 2599

Ion Ratio Lower Upper

276 100

277 29.5 19.1 28.7#

138 39.3 25.0 37.4#



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

