

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
 Data File : BM004574.D
 Acq On : 08 Mar 2016 10:57
 Operator : SJ/UM
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Manual Integrations
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 3/9/2016 5:54:37 PM

Quant Time: Mar 08 18:15:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 08 13:49:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	38874	5.00	ng	-0.02
6) Naphthalene-d8	10.05	136	148480	5.00	ng	-0.02
10) Acenaphthene-d10	13.96	164	92344	5.00	ng	-0.02
16) Phenanthrene-d10	16.74	188	165514	5.00	ng	0.00
22) Chrysene-d12	20.97	240	177366	5.00	ng	-0.01
28) Perylene-d12	23.08	264	136839	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	11007	1.22	ng	-0.06
5) Phenol-d6	6.63	99	14359	1.41	ng	-0.05
7) Nitrobenzene-d5	8.47	82	11102	1.47	ng	-0.04
11) 2,4,6-Tribromophenol	15.51	330	3829	1.08	ng	-0.01
12) 2-Fluorobiphenyl	12.58	172	39538	1.40	ng	-0.02
24) Terphenyl-d14	19.40	244	33920	1.49	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.87	88	4863	1.08	ng	88
3) n-Nitrosodimethylamine	3.18	42	5149	1.30	ng	98
8) Naphthalene	10.10	128	64348	1.38	ng	99
9) 2-Methylnaphthalene	11.74	142	41881	1.62	ng	99
13) Acenaphthylene	13.67	152	75360	1.43	ng	99
14) Acenaphthene	14.02	154	48765	1.41	ng	99
15) Fluorene	15.02	166	55784	1.32	ng	# 93
17) Hexachlorobenzene	16.05	284	18717	1.84	ng	# 73
18) Pentachlorophenol	16.46	266	1405	0.57	ng	93
19) Phenanthrene	16.76	178	99716	1.71	ng	98
20) Anthracene	16.87	178	92547	1.88	ng	96
21) Fluoranthene	18.82	202	102089	1.63	ng	99
23) Pyrene	19.20	202	104166	1.49	ng	99
25) Benzo(a)anthracene	20.95	228	91988m	1.41	ng	
26) Chrysene	21.01	228	94812m	0.71	ng	
27) Indeno(1,2,3-cd)pyrene	25.14	276	72585	1.20	ng	98
29) Benzo(b)fluoranthene	22.47	252	88697m	1.66	ng	
30) Benzo(k)fluoranthene	22.51	252	68746m	1.31	ng	
31) Benzo(a)pyrene	22.98	252	72403	1.50	ng	98
32) Dibenzo(a,h)anthracene	25.15	278	56405	1.34	ng	98
33) Benzo(g,h,i)perylene	25.78	276	62855	1.36	ng	97

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

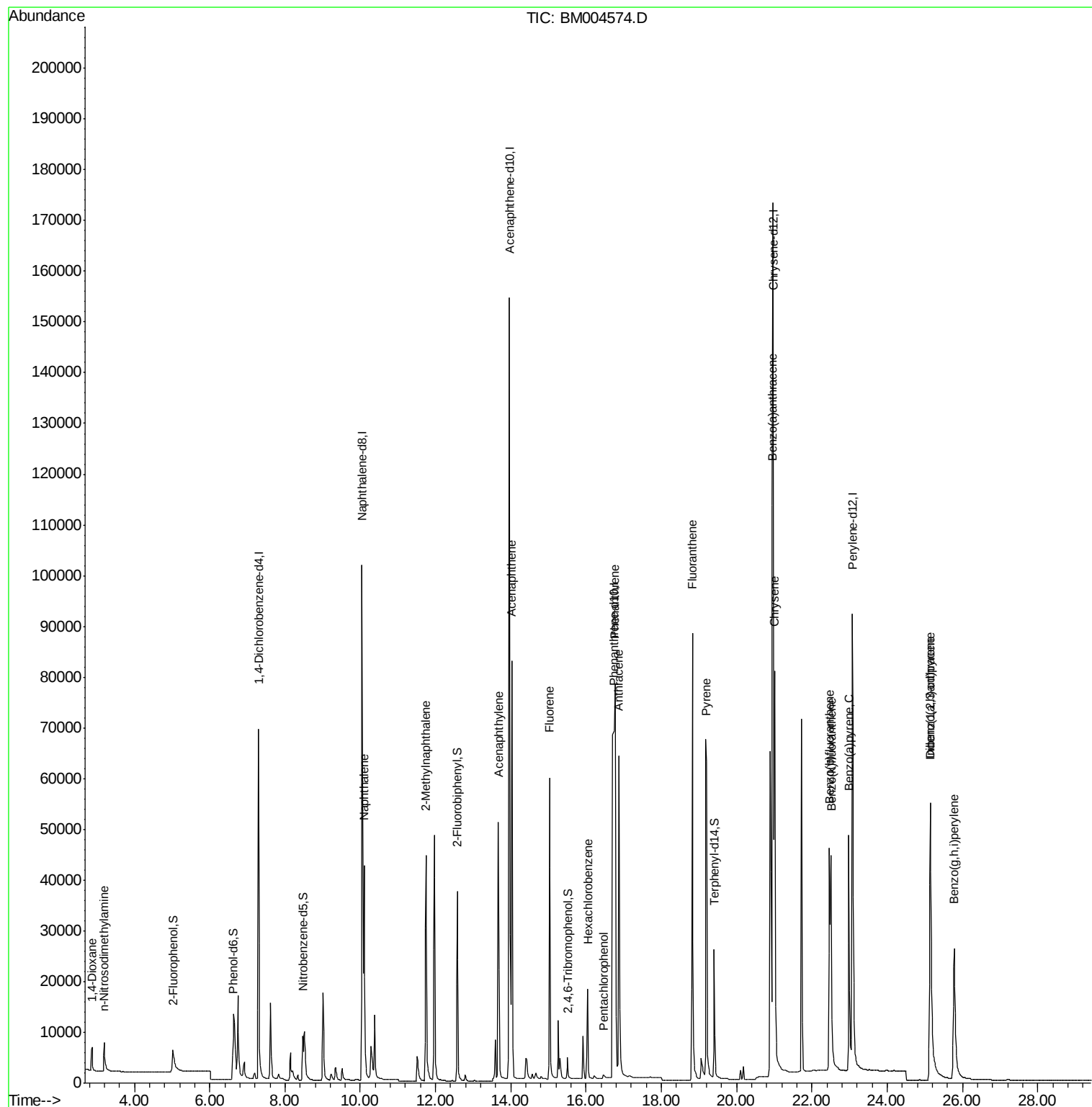
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
Data File : BM004574.D
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ALS Vial : 3 Sample Multiplier: 1

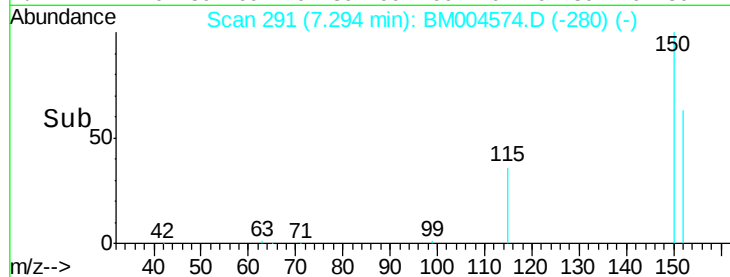
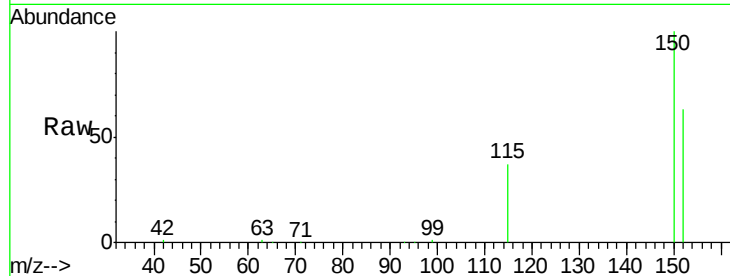
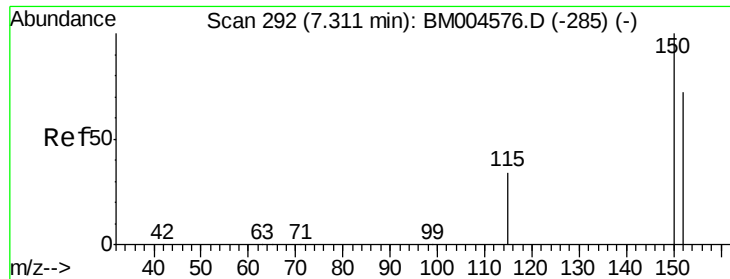
Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM030816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 08 13:49:28 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.29 min Scan# 291

Delta R.T. -0.02 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Instrument :

BNA_M

ClientSampleId :

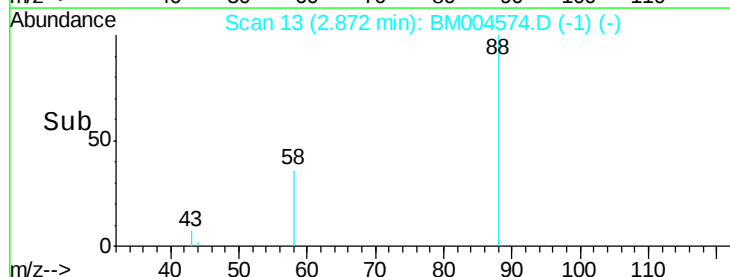
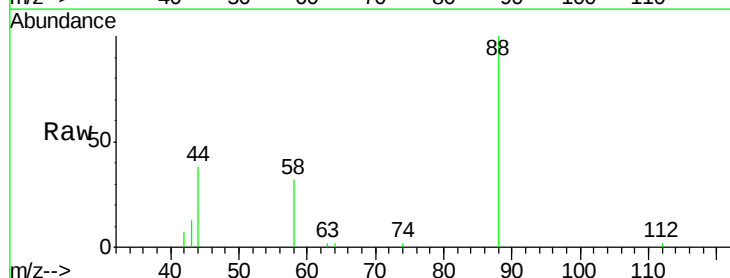
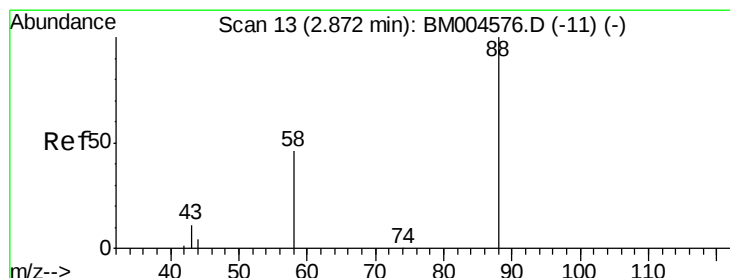
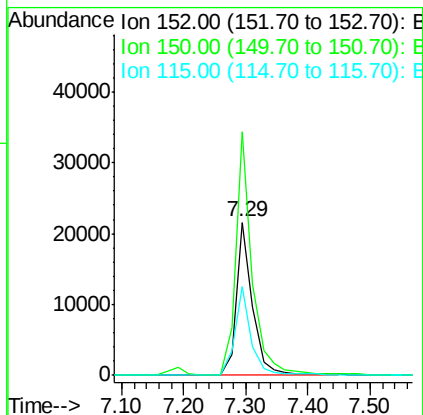
SSTDICC1.6

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	111.9	167.9
115	58.1	37.7	56.5



#2

1,4-Dioxane

Concen: 1.08 ng

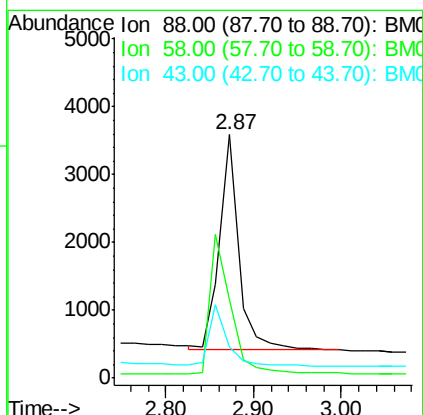
RT: 2.87 min Scan# 13

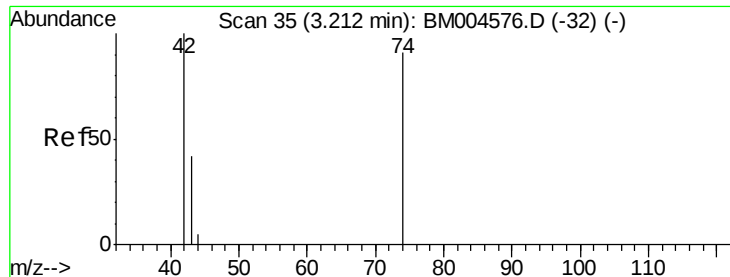
Delta R.T. -0.00 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.8	45.4	68.0
43	26.4	19.3	28.9





#3

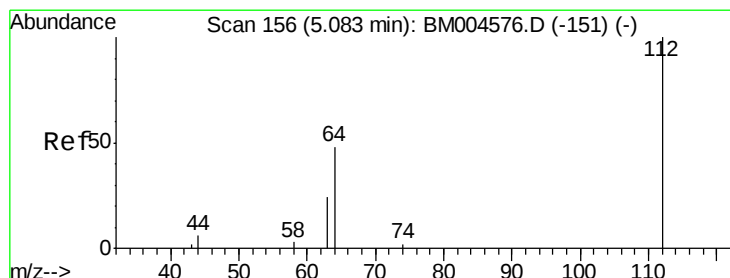
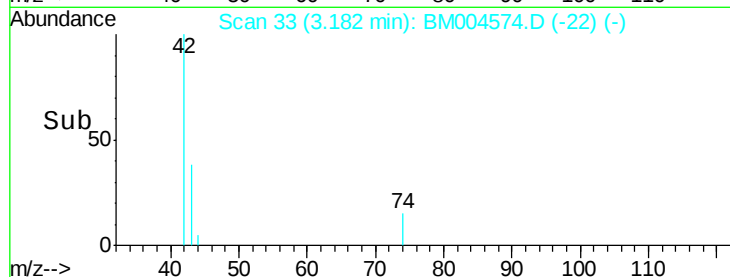
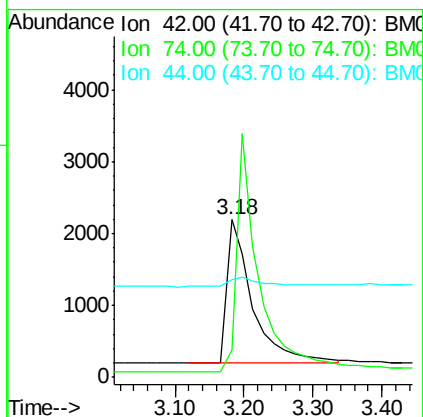
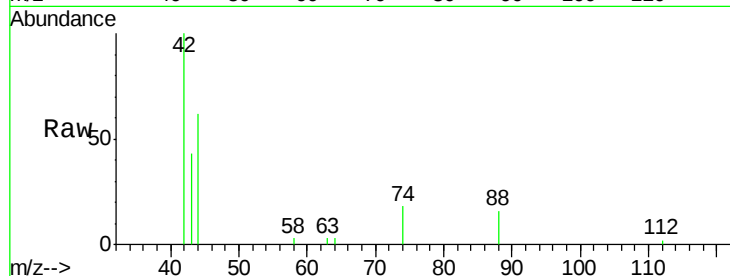
n-Nitrosodimethylamine
 Concen: 1.30 ng
 RT: 3.18 min Scan# 33
 Delta R.T. -0.03 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
42	100		
74	145.0	117.8	176.8
44	8.6	6.1	9.1

Manual Integrations
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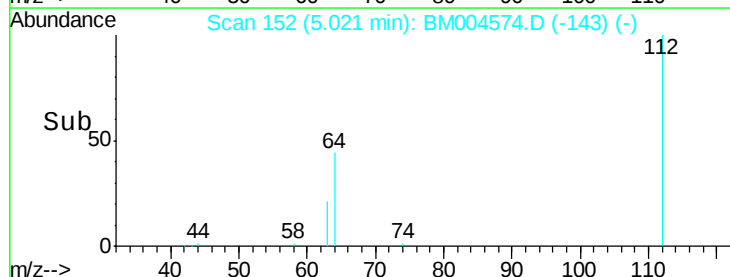
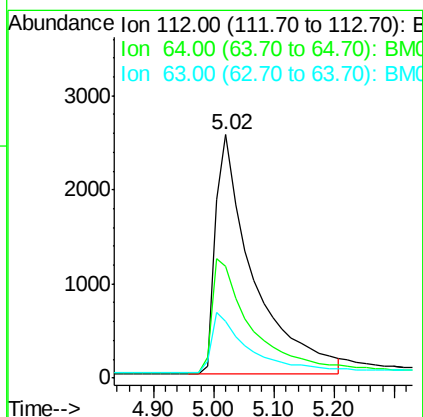
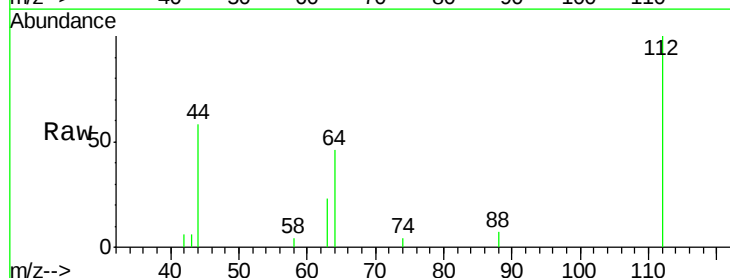
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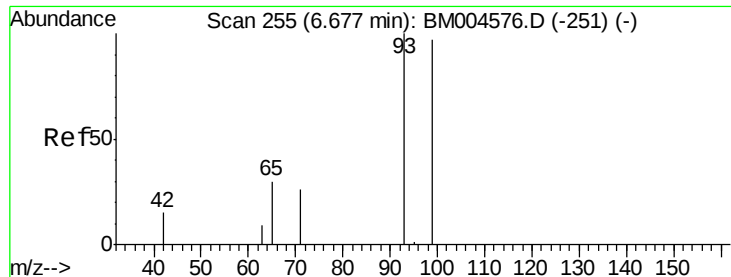


#4

2-Fluorophenol
 Concen: 1.22 ng
 RT: 5.02 min Scan# 152
 Delta R.T. -0.06 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.2	39.6	59.4
63	24.3	20.0	30.0





#5

Phenol-d6

Concen: 1.41 ng

RT: 6.63 min Scan# 252

Delta R.T. -0.05 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Instrument :

BNA_M

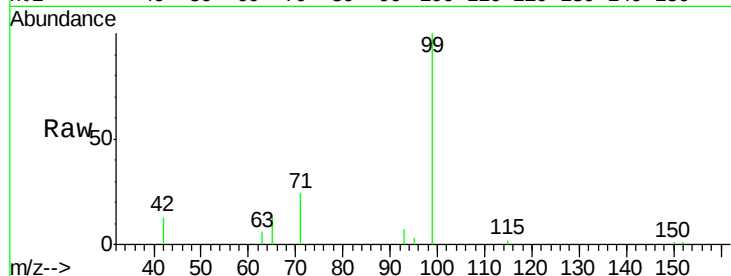
ClientSampleId :

SSTDICC1.6

Tgt Ion:	99	Resp:	14359
Ion Ratio	Lower	Upper	
99	100		
42	16.4	12.2	18.2
71	28.0	23.4	35.2

Manual Integrations
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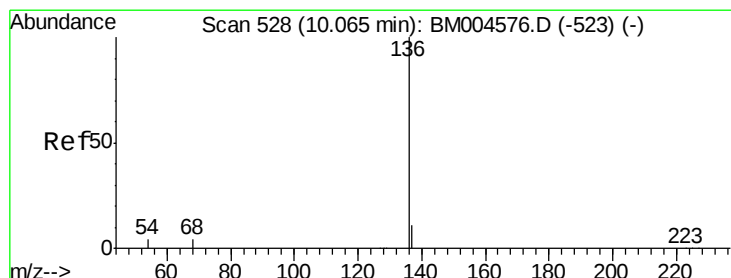
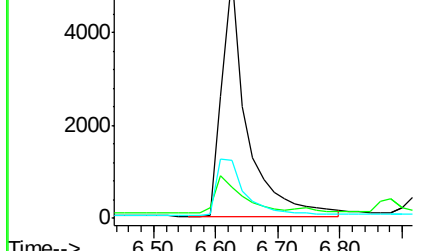
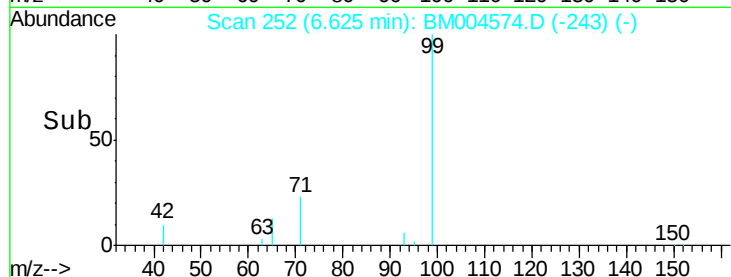


Abundance Ion 99.00 (98.70 to 99.70): BM004576.D (-251) (-)

Ion 42.00 (41.70 to 42.70): BM004576.D (-251) (-)

Ion 71.00 (70.70 to 71.70): BM004576.D (-251) (-)

Time-->



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.05 min Scan# 527

Delta R.T. -0.02 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Tgt Ion:	136	Resp:	148480
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.2	12.2
54	7.5	6.4	9.6
68	6.2	5.0	7.4

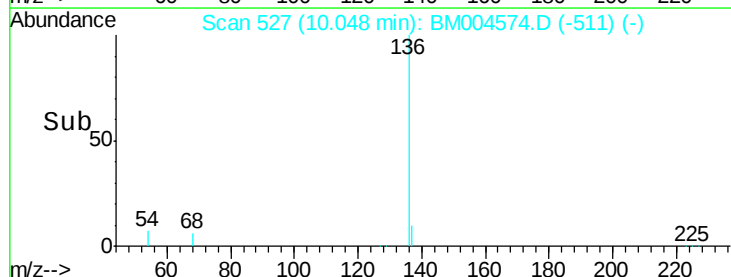
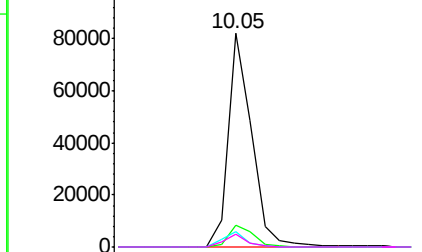
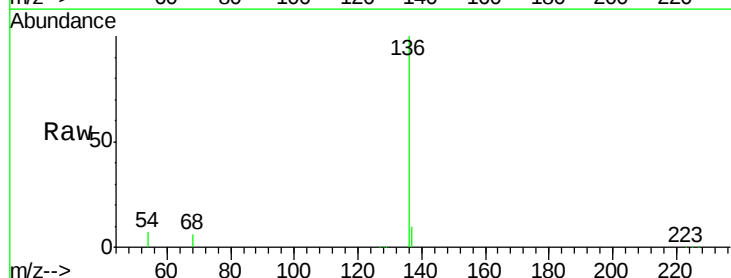
Abundance Ion 136.00 (135.70 to 136.70): BM004576.D (-523) (-)

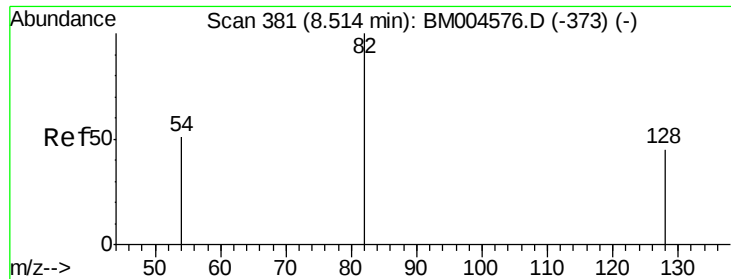
Ion 137.00 (136.70 to 137.70): BM004576.D (-523) (-)

Ion 54.00 (53.70 to 54.70): BM004576.D (-523) (-)

Ion 68.00 (67.70 to 68.70): BM004576.D (-523) (-)

Time-->





#7

Nitrobenzene-d5

Concen: 1.47 ng

RT: 8.47 min Scan# 377

Delta R.T. -0.04 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Instrument :

BNA_M

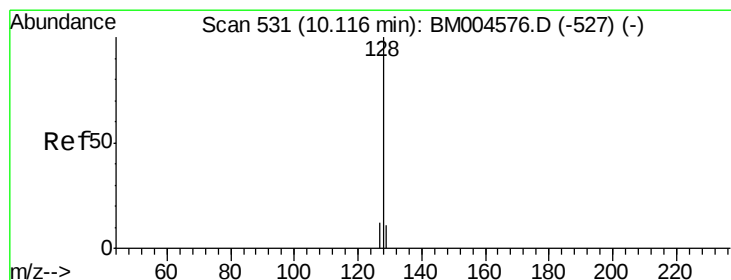
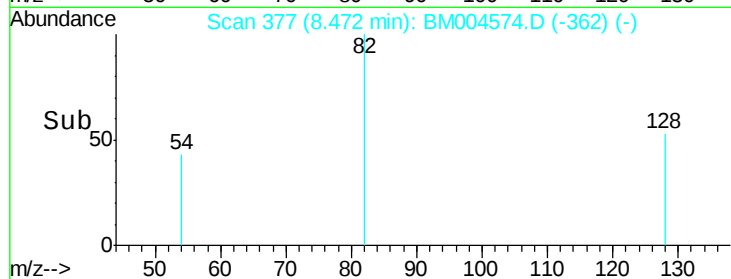
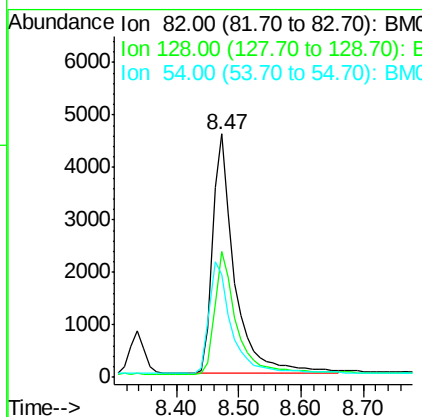
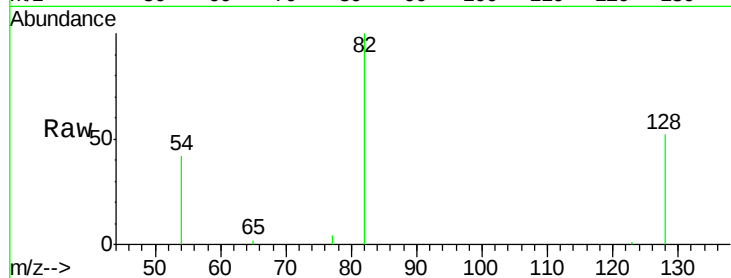
ClientSampleId :

SSTDICC1.6

Tgt Ion:	82	Resp:	11102
Ion Ratio	Lower	Upper	
82	100		
128	51.8	43.7	65.5
54	42.5	33.5	50.3

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#8

Naphthalene

Concen: 1.38 ng

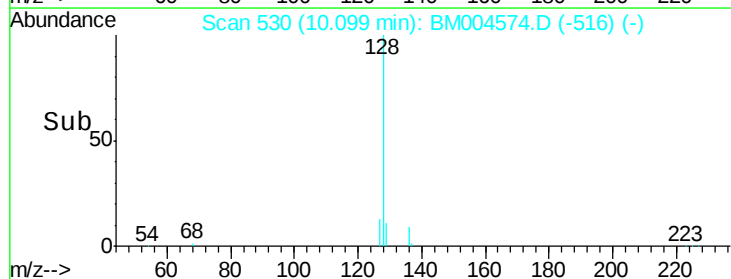
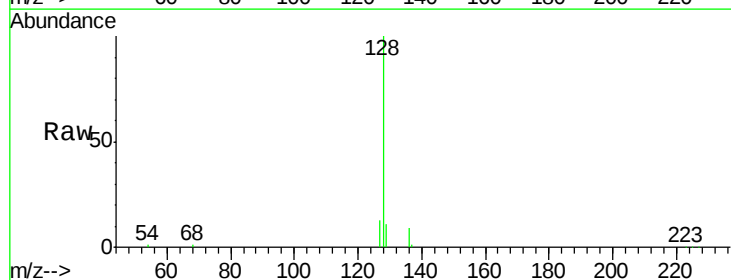
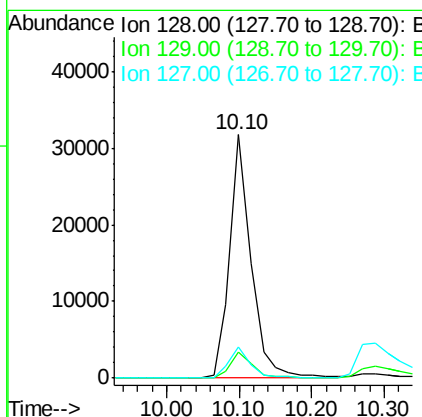
RT: 10.10 min Scan# 530

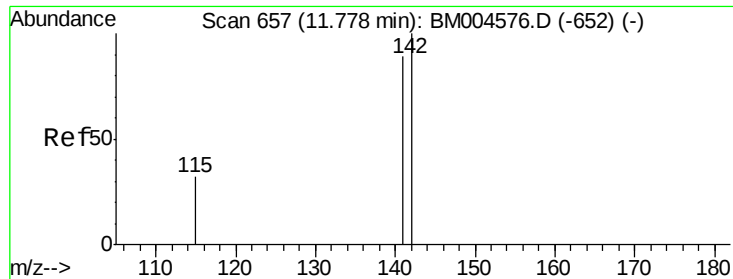
Delta R.T. -0.02 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Tgt Ion:	128	Resp:	64348
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.9	13.3
127	13.0	10.9	16.3





#9

2-Methylnaphthalene

Concen: 1.62 ng

RT: 11.74 min Scan# 653

Delta R.T. -0.03 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Instrument :

BNA_M

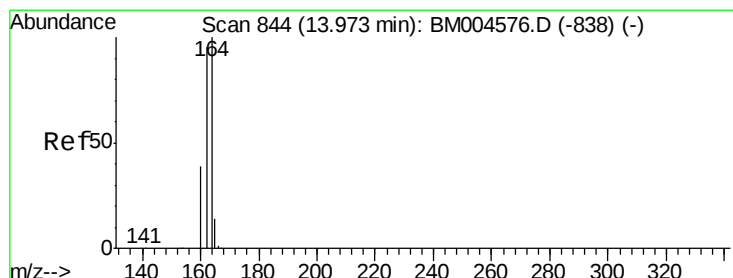
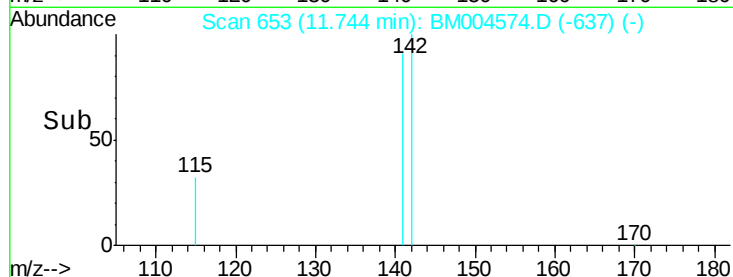
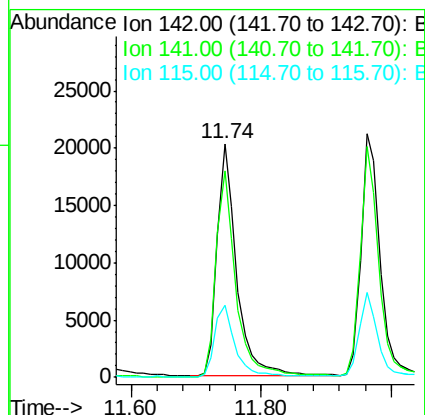
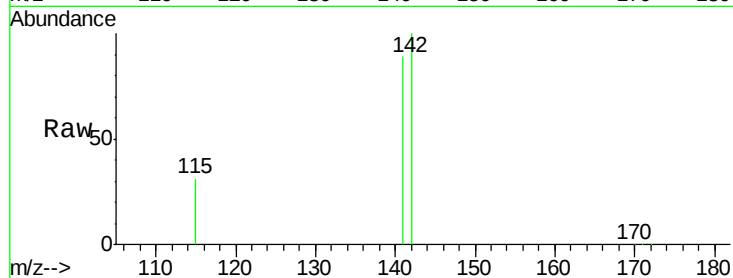
ClientSampleId :

SSTDICC1.6

Tgt Ion:	142	Resp:	41881
Ion Ratio	Lower	Upper	
142	100		
141	88.5	70.2	105.2
115	31.1	25.8	38.6

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#10

Acenaphthene-d10

Concen: 5.00 ng

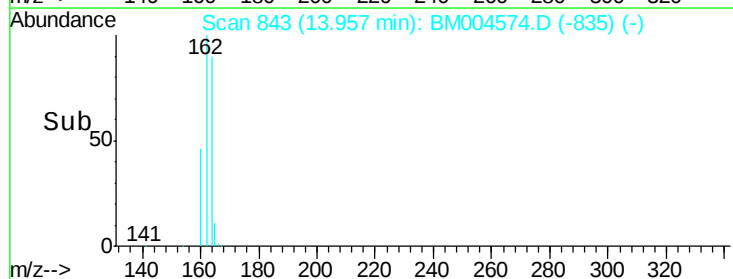
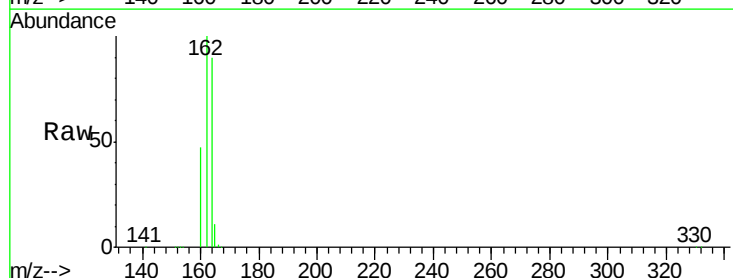
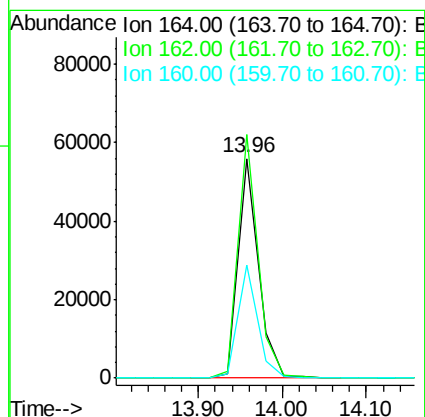
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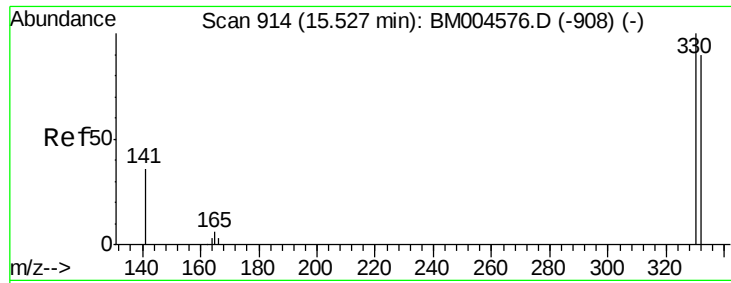
Delta R.T. -0.02 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Tgt Ion:	164	Resp:	92344
Ion Ratio	Lower	Upper	
164	100		
162	111.0	84.2	126.4
160	51.7	37.4	56.2





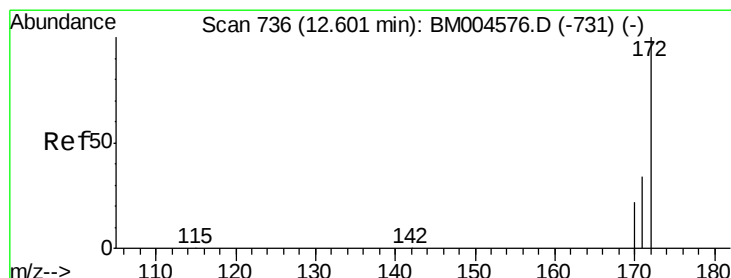
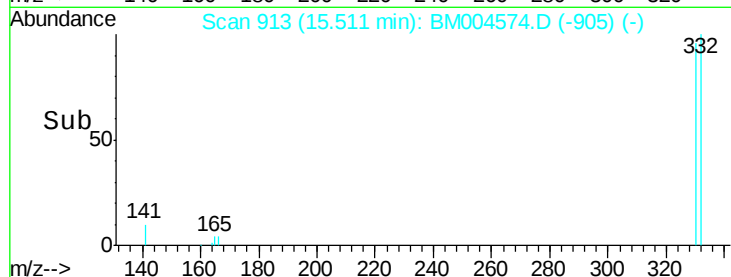
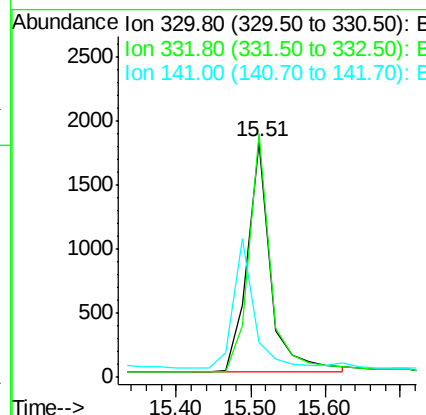
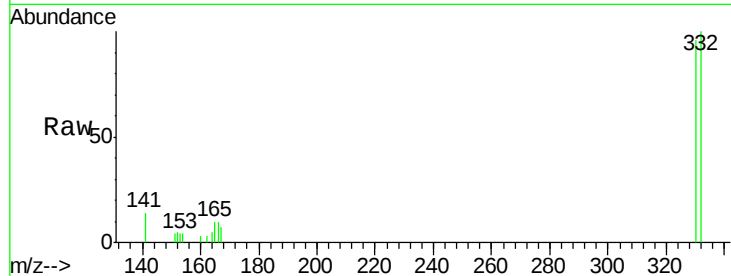
#11
 2,4,6-Tribromophenol
 Concen: 1.08 ng
 RT: 15.51 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.1	114.1
141	0.0	16.0	24.0

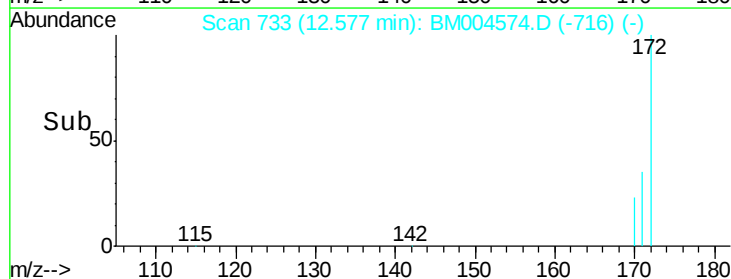
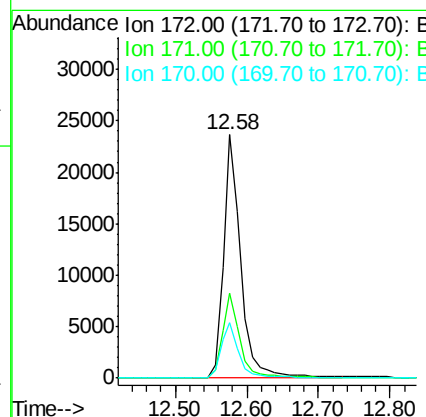
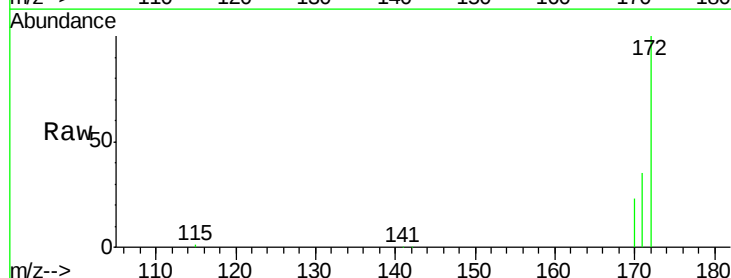
Manual Integrations
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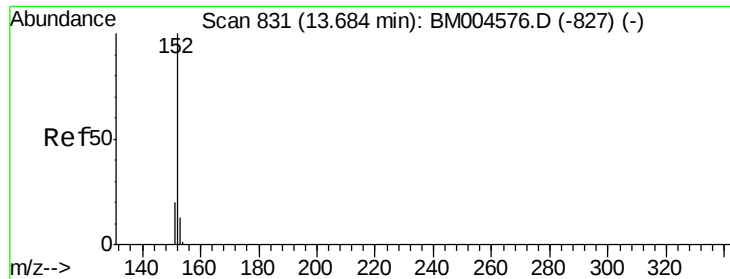
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#12
 2-Fluorobiphenyl
 Concen: 1.40 ng
 RT: 12.58 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.2	43.8
170	23.0	19.7	29.5





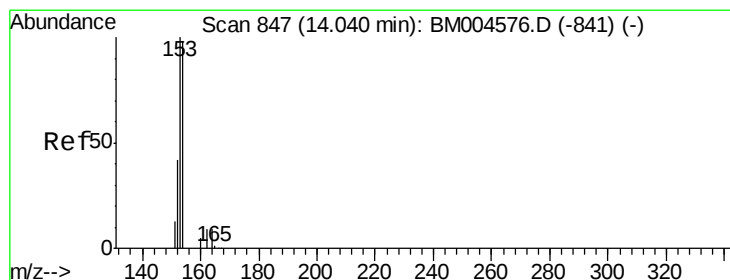
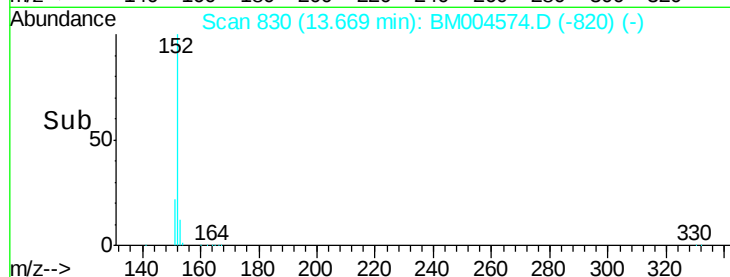
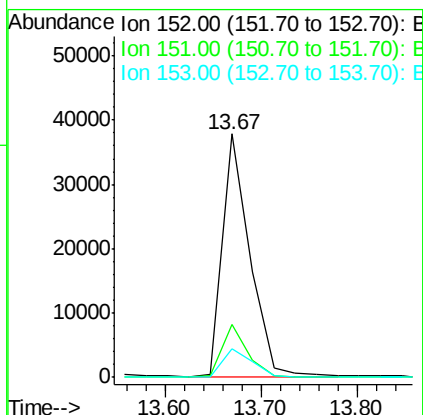
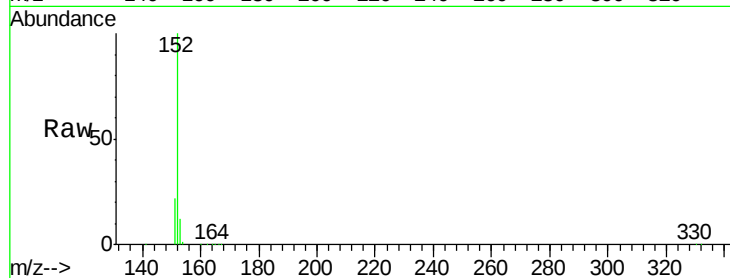
#13
Acenaphthylene
Concen: 1.43 ng
RT: 13.67 min Scan# 830
Delta R.T. -0.02 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.0	10.2	15.4

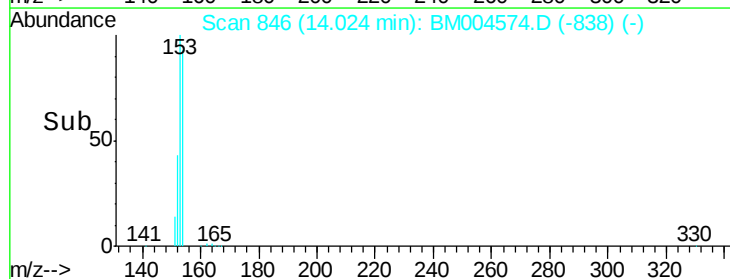
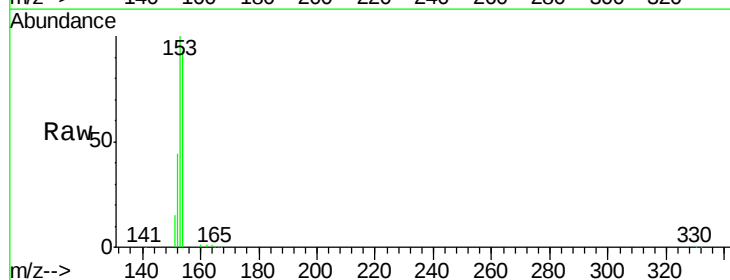
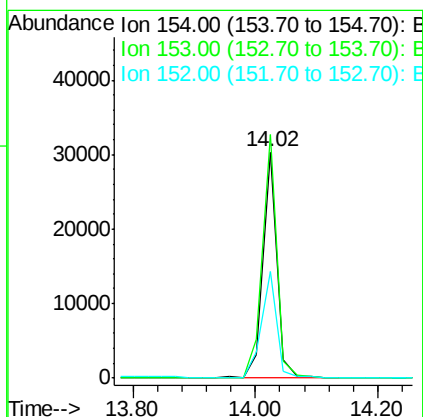
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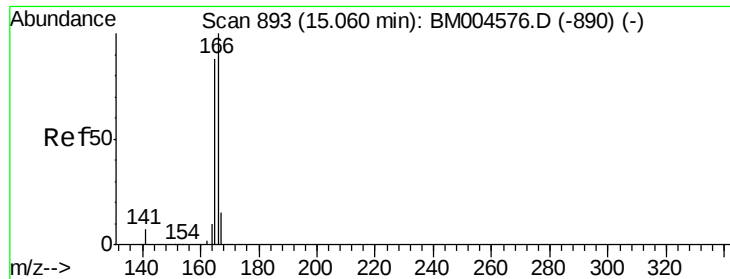
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#14
Acenaphthene
Concen: 1.41 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.2	88.0	132.0
152	50.3	41.1	61.7





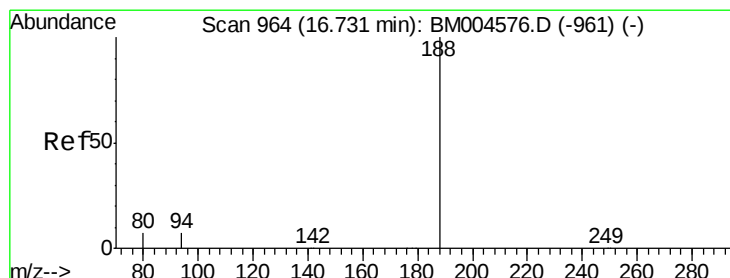
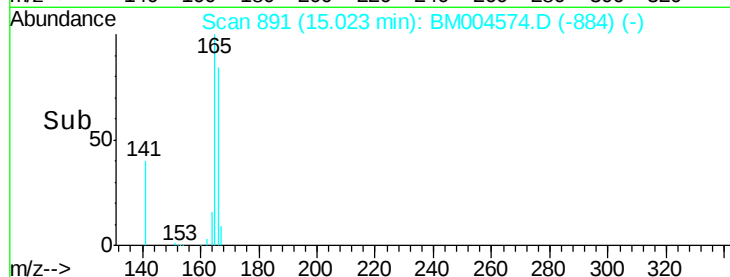
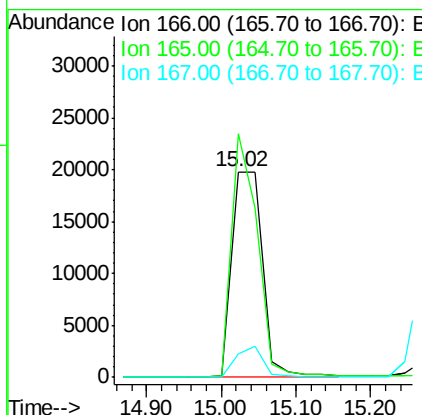
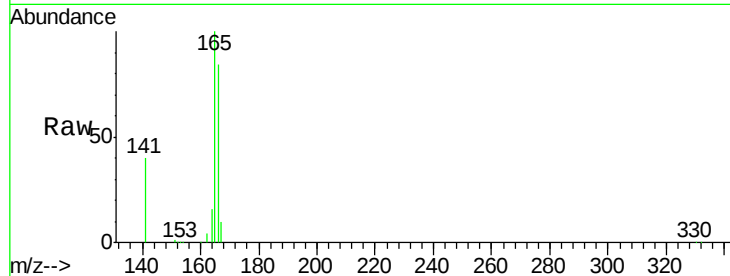
#15
Fluorene
 Concen: 1.32 ng
 RT: 15.02 min Scan# 891
 Delta R.T. -0.04 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.1	77.2	115.8
167	0.0	10.9	16.3#

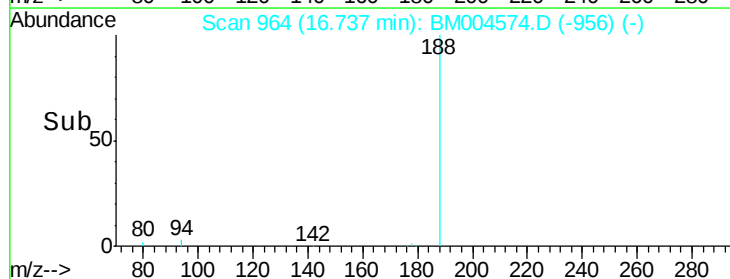
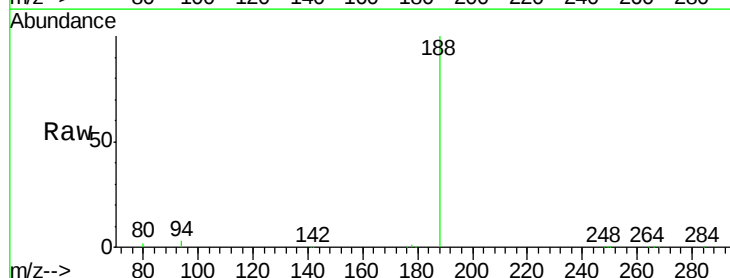
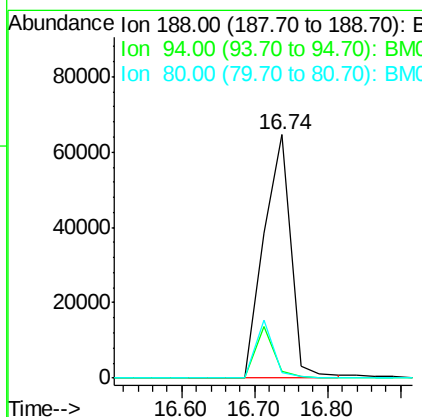
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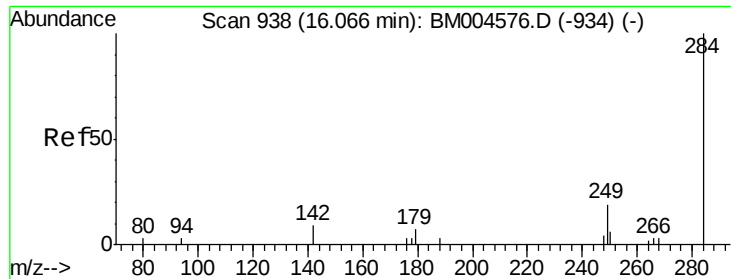
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#16
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.74 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.6	7.4	11.0#
80	2.2	6.9	10.3#





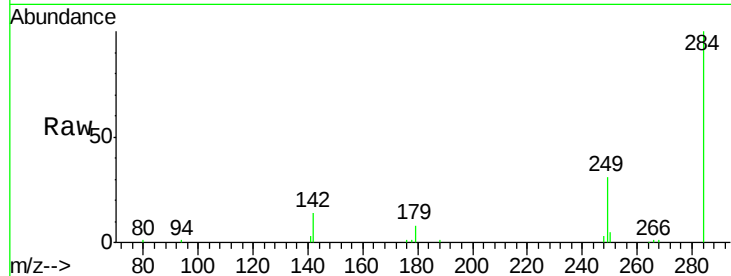
#17
Hexachlorobenzene
Concen: 1.84 ng
RT: 16.05 min Scan# 937
Delta R.T. -0.02 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

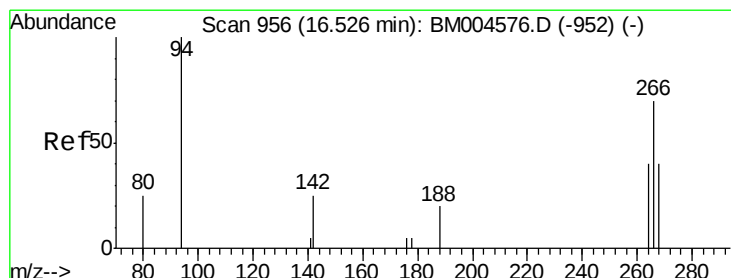
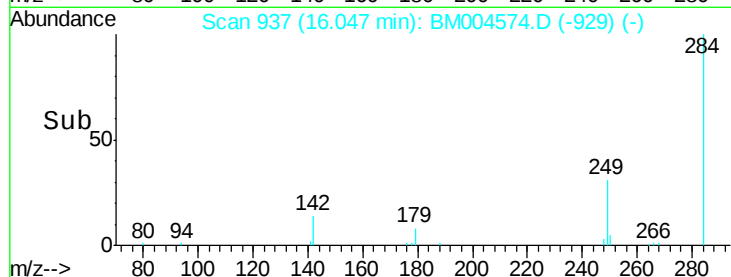
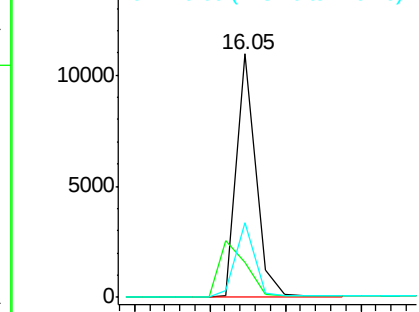
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	0.0	20.8	31.2#
249	33.2	24.0	36.0

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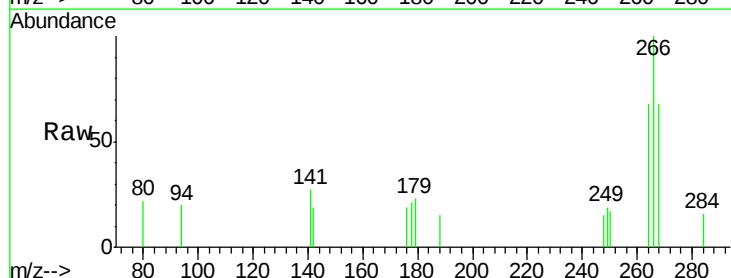


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

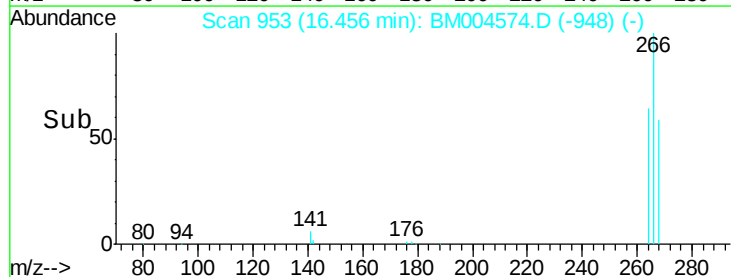
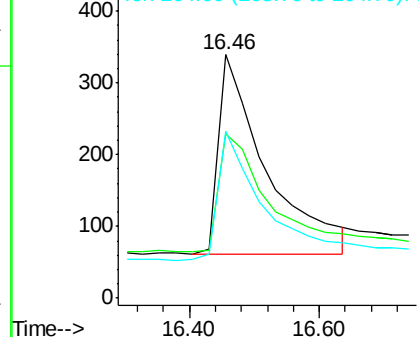


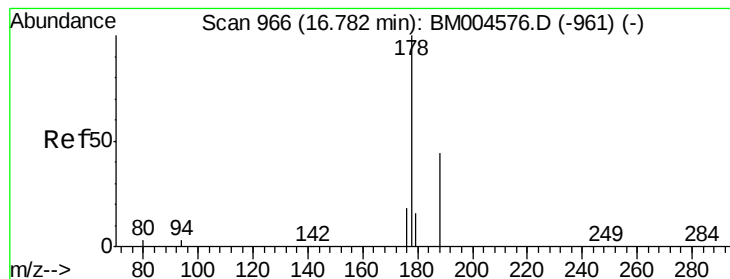
#18
Pentachlorophenol
Concen: 0.57 ng
RT: 16.46 min Scan# 953
Delta R.T. -0.07 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	67.6	60.7	91.1
264	68.4	57.1	85.7



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





#19

Phenanthrene

Concen: 1.71 ng

RT: 16.76 min Scan# 965

Delta R.T. -0.02 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Instrument :

BNA_M

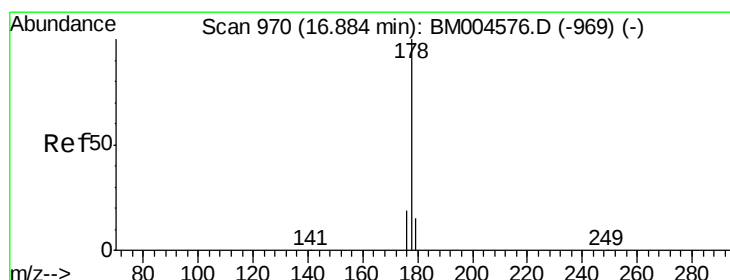
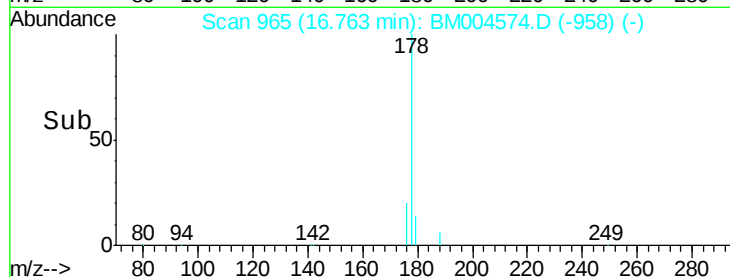
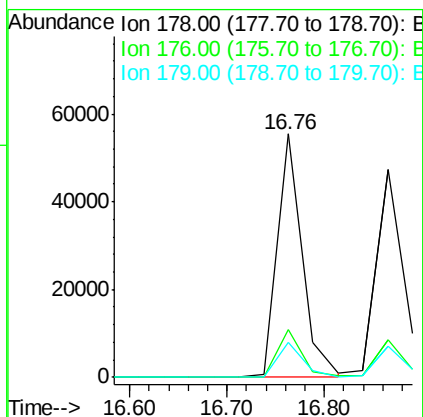
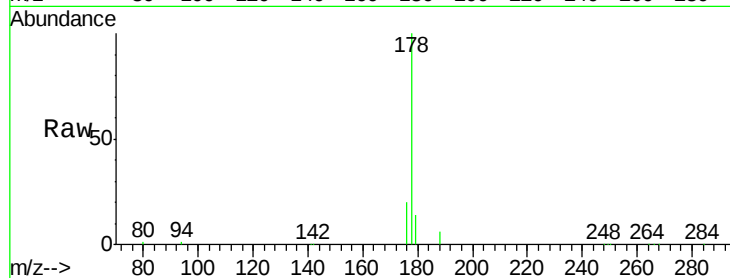
ClientSampleId :

SSTDICC1.6

Tgt Ion:	178	Resp:	99716
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.7	22.1
179	14.9	12.9	19.3

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#20

Anthracene

Concen: 1.88 ng

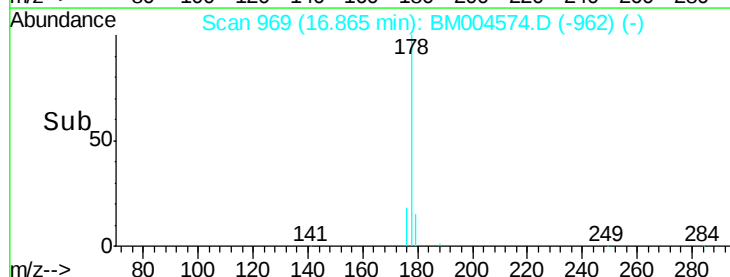
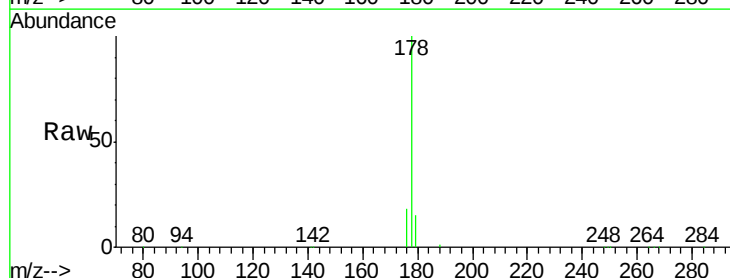
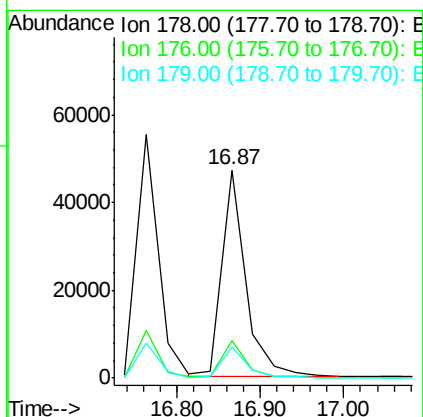
RT: 16.87 min Scan# 969

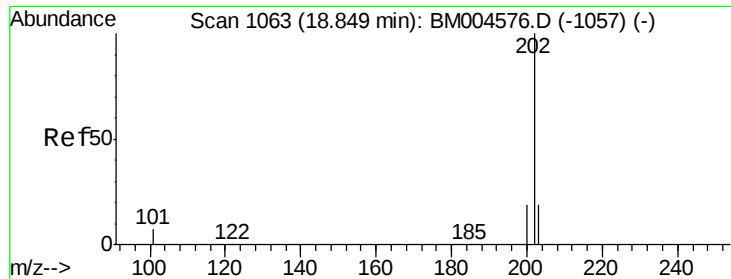
Delta R.T. -0.02 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Tgt Ion:	178	Resp:	92547
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.6	23.4
179	15.2	13.6	20.4





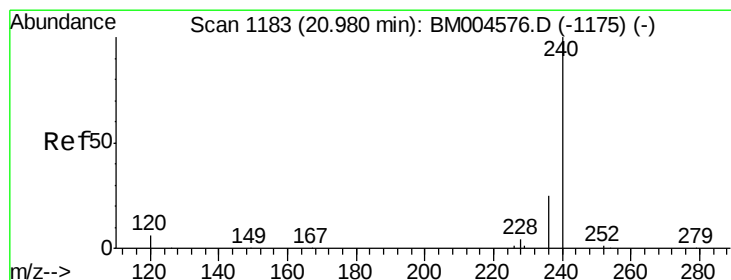
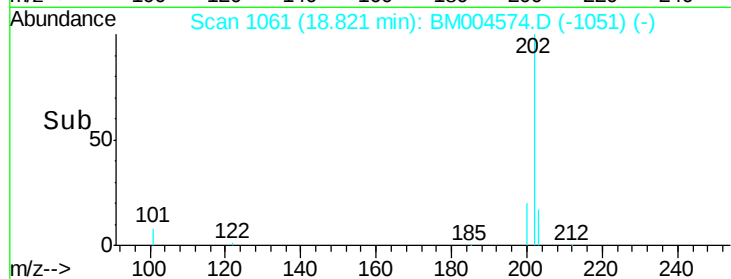
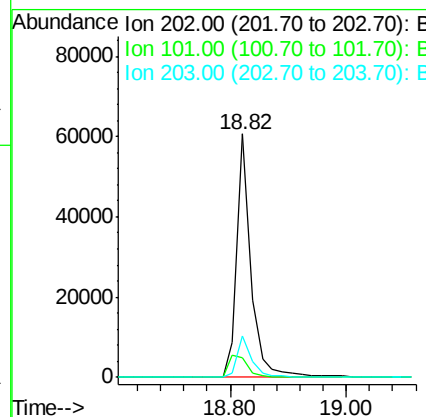
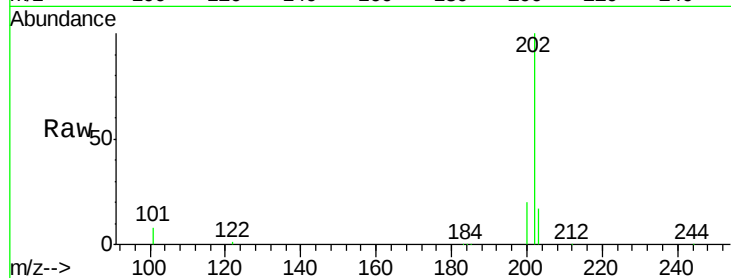
#21
 Fluoranthene
 Concen: 1.63 ng
 RT: 18.82 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.6	9.4	14.2
203	17.3	13.9	20.9

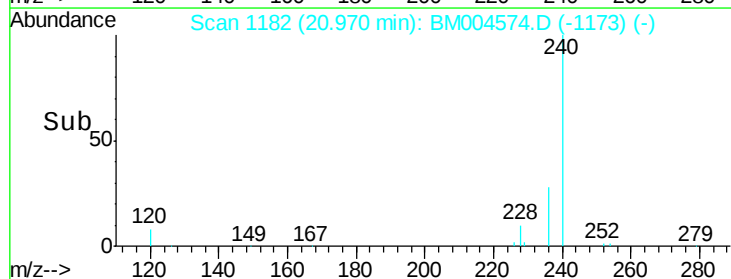
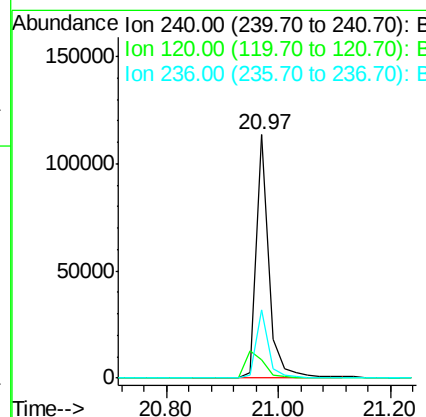
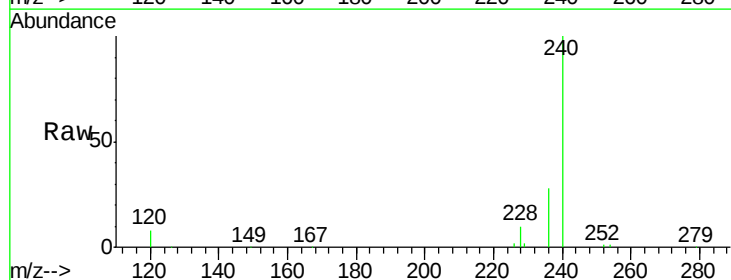
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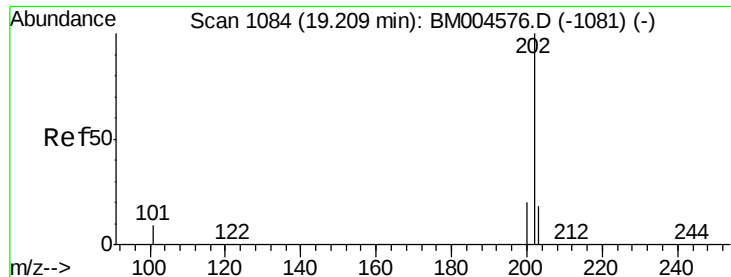
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#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.97 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.7	6.1	9.1
236	27.8	22.6	34.0





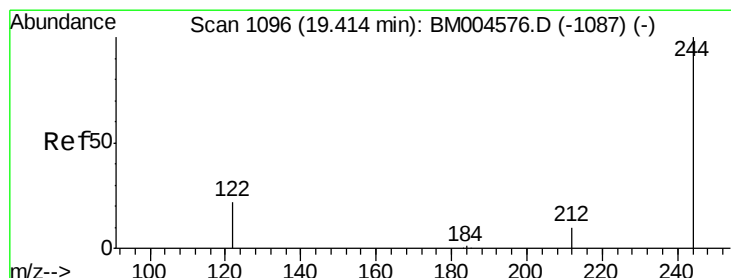
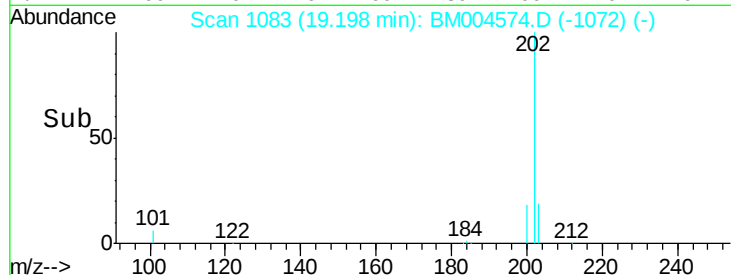
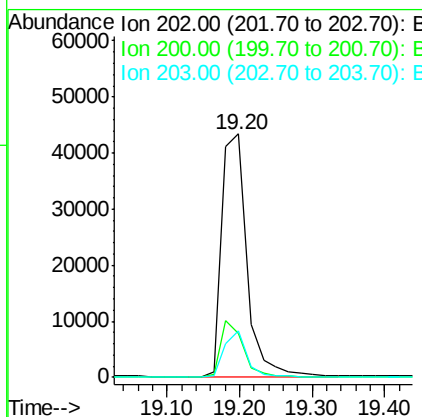
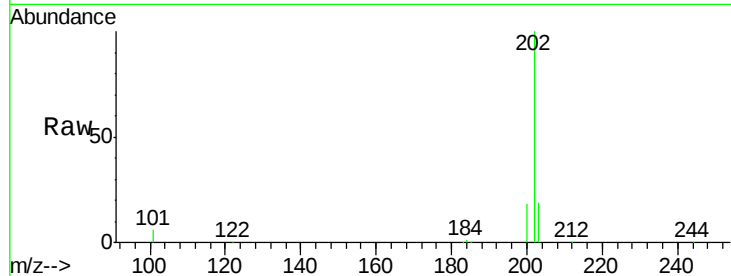
#23
Pyrene
Concen: 1.49 ng
RT: 19.20 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	16.6	24.8
203	17.2	14.1	21.1

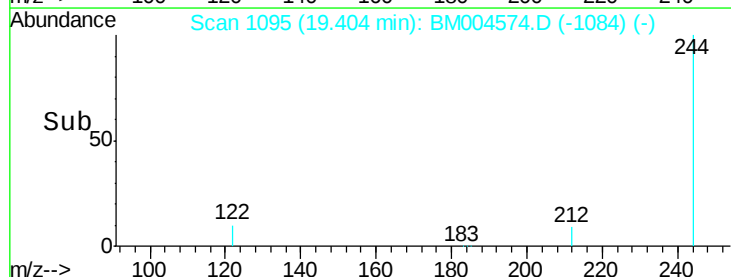
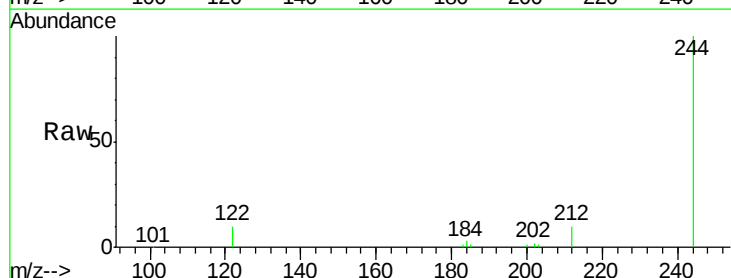
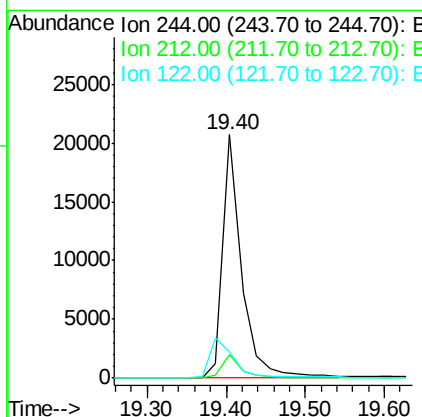
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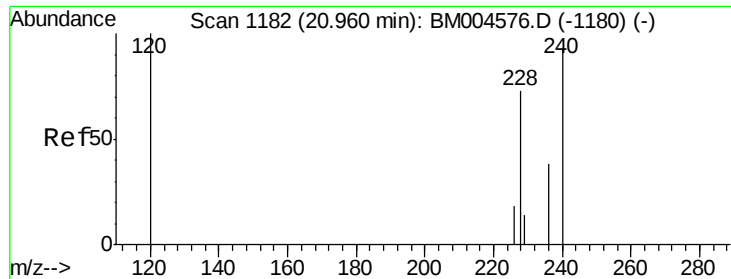
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#24
Terphenyl-d14
Concen: 1.49 ng
RT: 19.40 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.6	7.5	11.3
122	10.5	4.2	6.2#





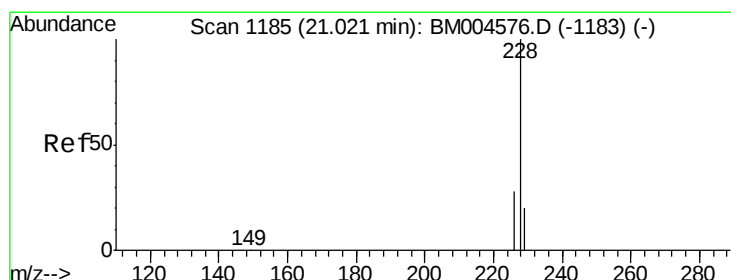
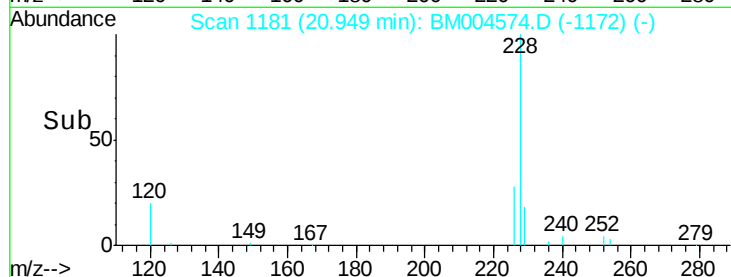
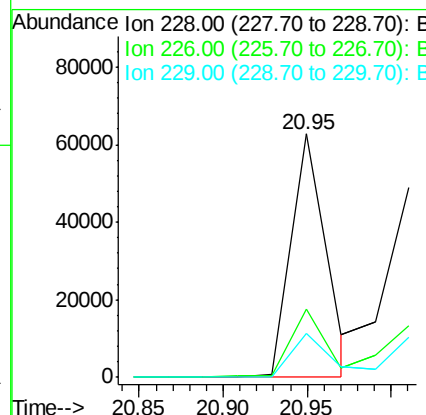
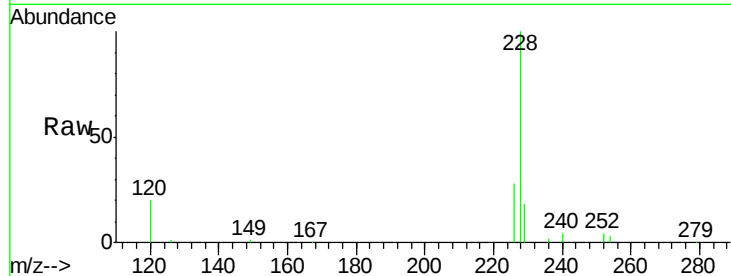
#25
Benzo(a)anthracene
Concen: 1.41 ng m
RT: 20.95 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.8	34.2
229	18.0	14.6	22.0

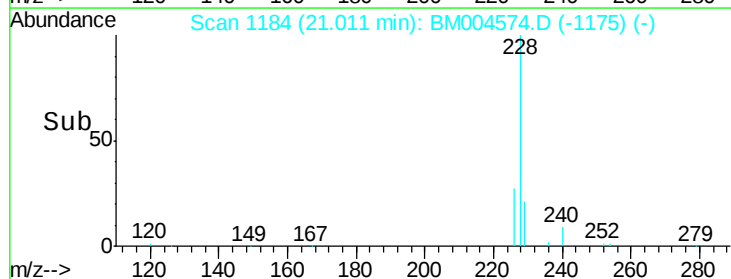
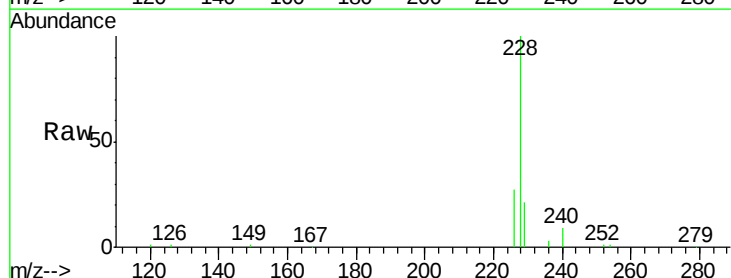
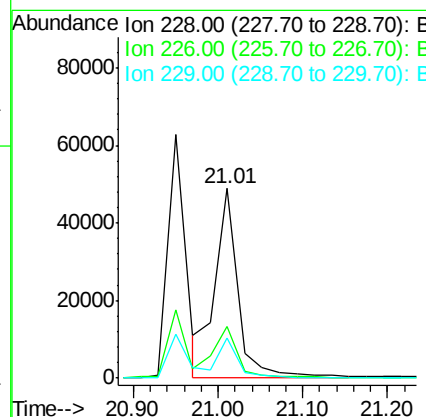
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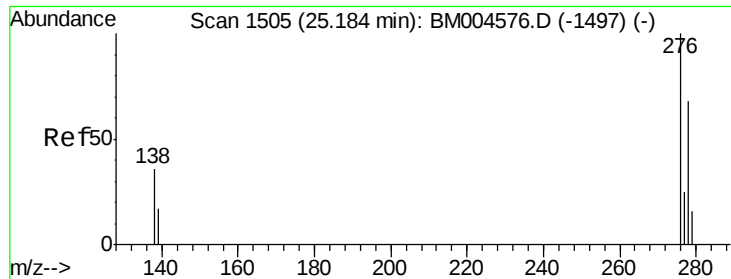
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#26
Chrysene
Concen: 0.71 ng m
RT: 21.01 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.4	32.2
229	21.0	17.1	25.7





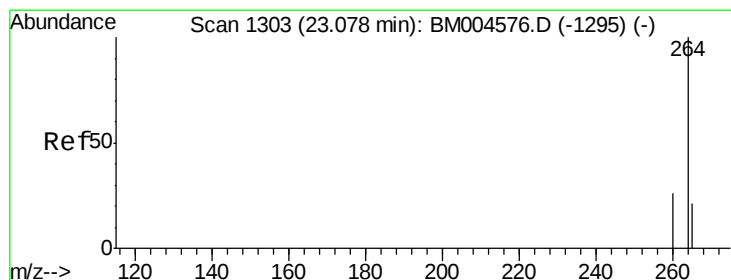
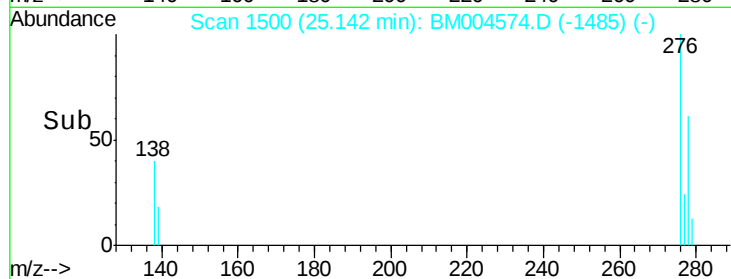
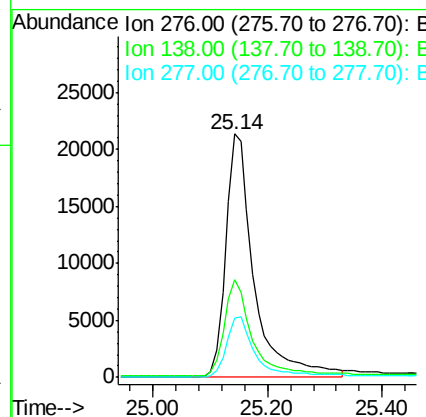
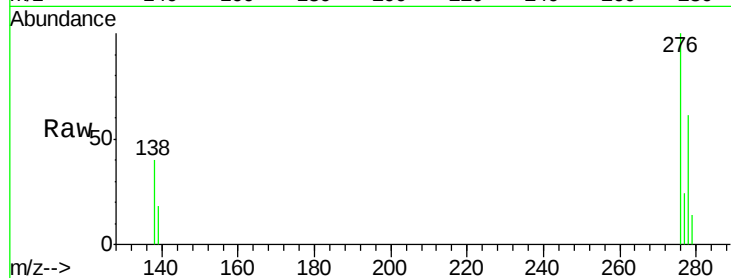
#27
Indeno(1,2,3-cd)pyrene
Concen: 1.20 ng
RT: 25.14 min Scan# 1500
Delta R.T. -0.04 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.9	30.4	45.6
277	24.8	19.8	29.8

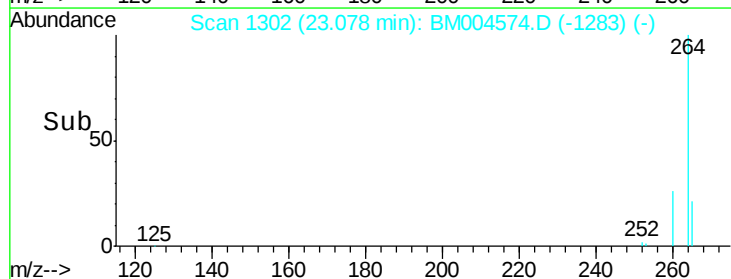
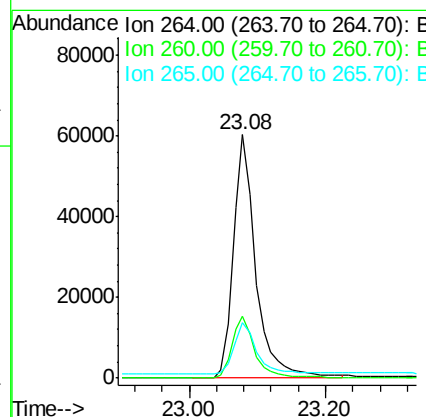
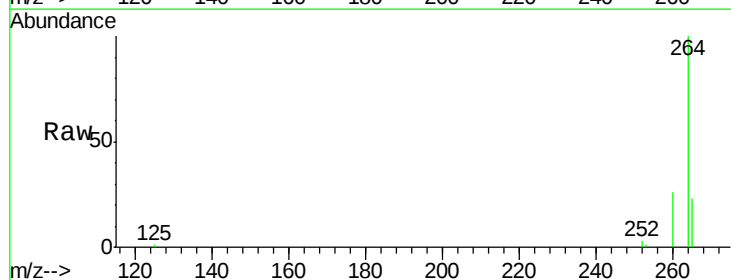
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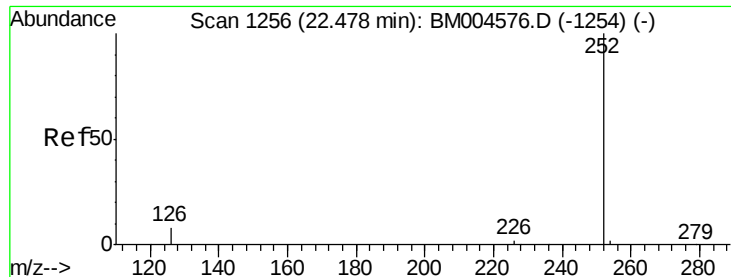
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.08 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.8	29.6
265	22.8	18.9	28.3





#29

Benzo(b)fluoranthene

Concen: 1.66 ng m

RT: 22.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Instrument :

BNA_M

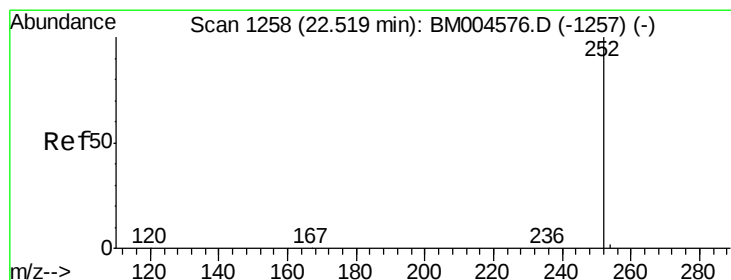
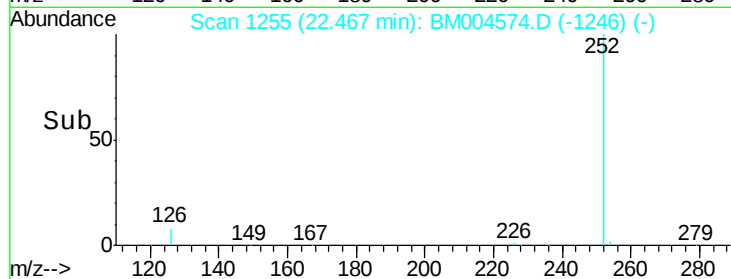
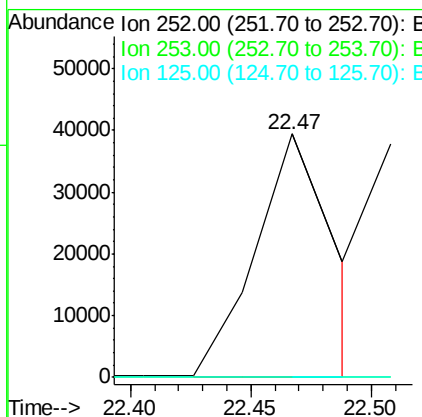
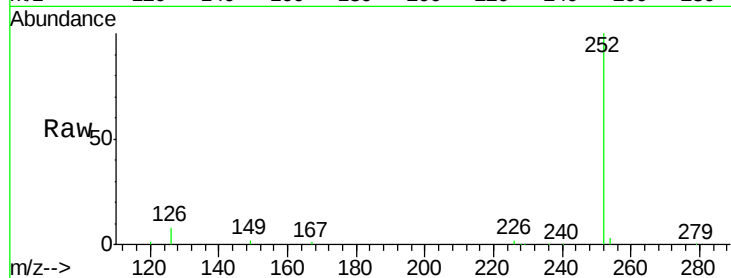
ClientSampleId :

SSTDICC1.6

Tgt Ion:	252	Resp:	88697
Ion Ratio		Lower	Upper
252	100		
253	0.0	18.8	28.2#
125	0.0	11.8	17.8#

Manual Integrations
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#30

Benzo(k)fluoranthene

Concen: 1.31 ng m

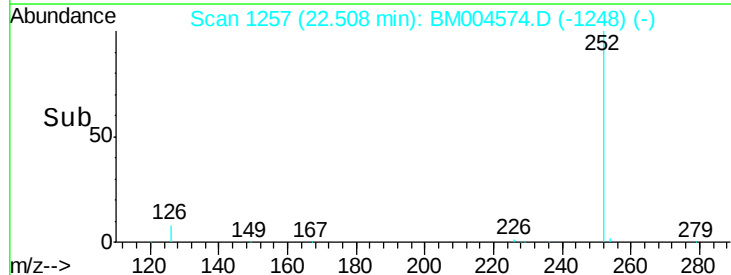
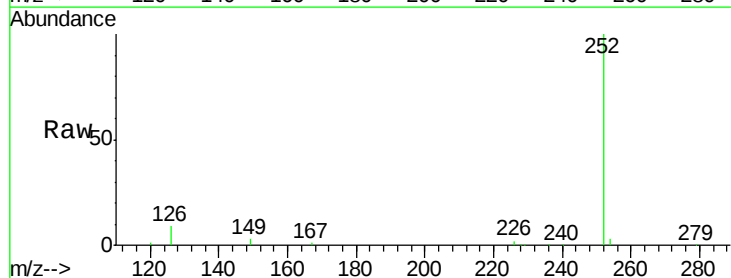
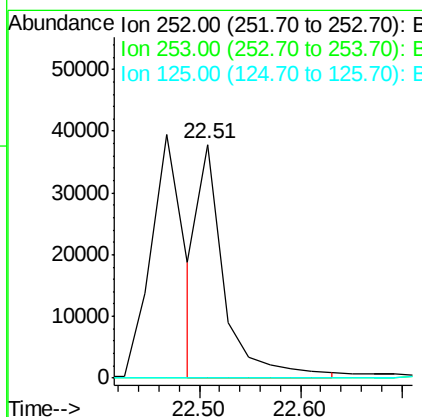
RT: 22.51 min Scan# 1257

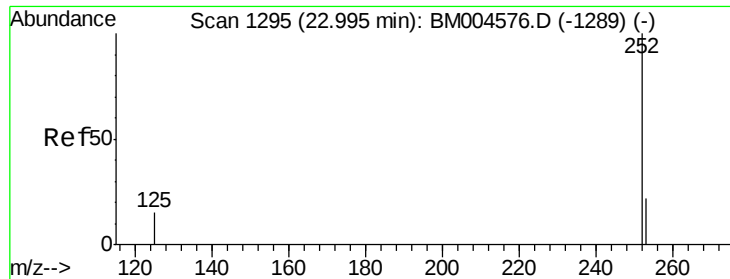
Delta R.T. -0.01 min

Lab File: BM004574.D

Acq: 08 Mar 2016 10:57

Tgt Ion:	252	Resp:	68746
Ion Ratio		Lower	Upper
252	100		
253	0.0	18.3	27.5#
125	0.0	12.2	18.4#





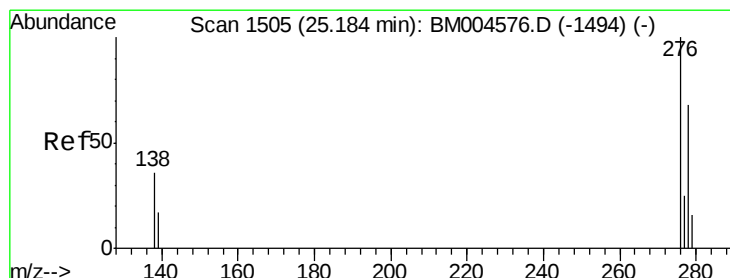
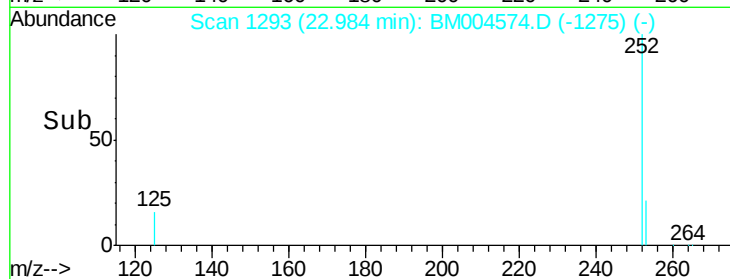
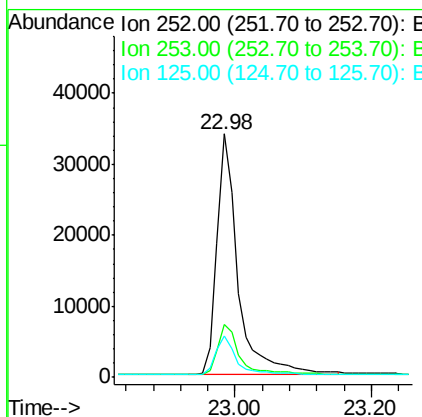
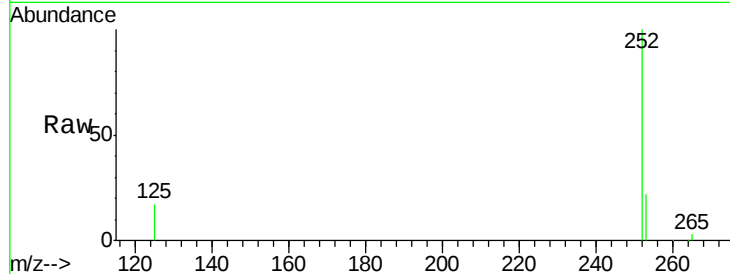
#31
Benzo(a)pyrene
Concen: 1.50 ng
RT: 22.98 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	16.8	14.3	21.5

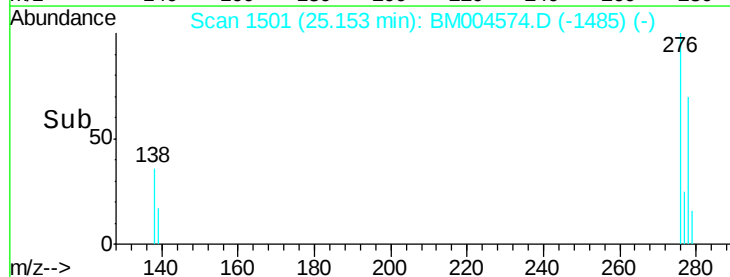
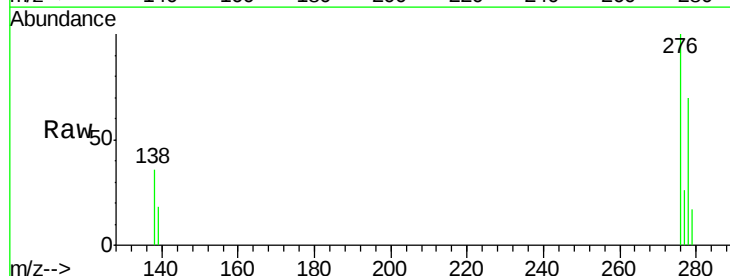
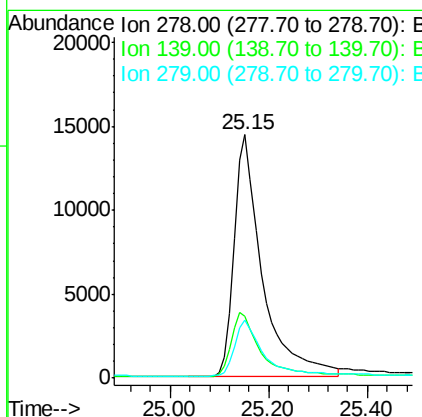
Manual Integrations
APPROVED

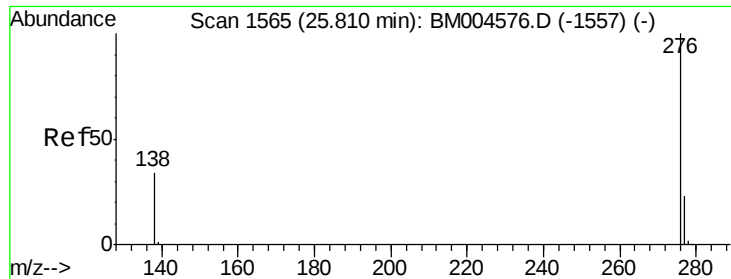
UMANGI
3/9/2016 5:54:37 PM



#32
Dibenzo(a,h)anthracene
Concen: 1.34 ng
RT: 25.15 min Scan# 1501
Delta R.T. -0.03 min
Lab File: BM004574.D
Acq: 08 Mar 2016 10:57

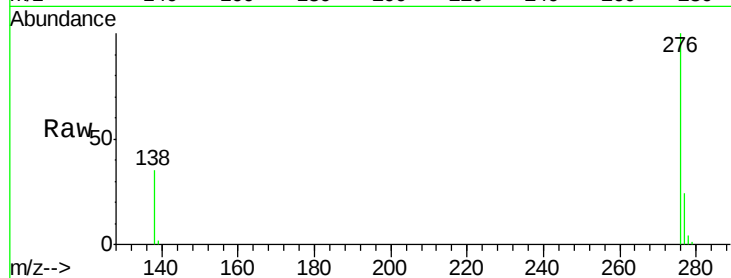
Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.5	21.2	31.8
279	23.9	19.6	29.4





#33
 Benzo(g,h,i)perylene
 Concen: 1.36 ng
 RT: 25.78 min Scan# 1561
 Delta R.T. -0.03 min
 Lab File: BM004574.D
 Acq: 08 Mar 2016 10:57

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6



Tgt Ion:	276	Resp:	62855
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.6	29.4
138	34.7	26.2	39.2

Manual Integrations
 APPROVED

UMANGI
 3/9/2016 5:54:37 PM

