

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
 Data File : BM004573.D
 Acq On : 08 Mar 2016 10:21
 Operator : SJ/UM
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Manual Integrations
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 3/9/2016 5:54:35 PM

Quant Time: Mar 08 14:33:06 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	39809	5.00	ng	-0.02
6) Naphthalene-d8	10.05	136	153185	5.00	ng	-0.02
10) Acenaphthene-d10	13.95	164	85630	5.00	ng	-0.02
16) Phenanthrene-d10	16.73	188	207978	5.00	ng	0.00
22) Chrysene-d12	20.96	240	195208	5.00	ng	-0.02
28) Perylene-d12	23.08	264	184910	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.01	112	24941	2.70	ng	-0.08
5) Phenol-d6	6.61	99	32607	3.12	ng	-0.07
7) Nitrobenzene-d5	8.46	82	25199	3.23	ng	-0.05
11) 2,4,6-Tribromophenol	15.50	330	9248	2.81	ng	-0.02
12) 2-Fluorobiphenyl	12.57	172	85018	3.24	ng	-0.03
24) Terphenyl-d14	19.40	244	81656	3.25	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.87	88	9826	2.13	ng	# 71
3) n-Nitrosodimethylamine	3.18	42	10815	2.67	ng	# 91
8) Naphthalene	10.10	128	136421	2.83	ng	98
9) 2-Methylnaphthalene	11.74	142	91224	3.43	ng	99
13) Acenaphthylene	13.66	152	158121	3.23	ng	# 87
14) Acenaphthene	14.02	154	101209	3.16	ng	96
15) Fluorene	15.04	166	122305	3.12	ng	100
17) Hexachlorobenzene	16.04	284	34312	2.68	ng	# 77
18) Pentachlorophenol	16.45	266	4990	1.61	ng	90
19) Phenanthrene	16.76	178	198922	2.71	ng	96
20) Anthracene	16.86	178	216743	3.51	ng	96
21) Fluoranthene	18.81	202	243764	3.10	ng	99
23) Pyrene	19.19	202	248919	3.23	ng	100
25) Benzo(a)anthracene	20.94	228	224450	3.12	ng	93
26) Chrysene	21.00	228	234110	1.60	ng	96
27) Indeno(1,2,3-cd)pyrene	25.14	276	201026	3.01	ng	98
29) Benzo(b)fluoranthene	22.46	252	236997m	3.29	ng	
30) Benzo(k)fluoranthene	22.50	252	207811m	2.93	ng	
31) Benzo(a)pyrene	22.99	252	204684	3.14	ng	97
32) Dibenzo(a,h)anthracene	25.14	278	157559	2.78	ng	97
33) Benzo(g,h,i)perylene	25.77	276	170628	2.74	ng	98

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

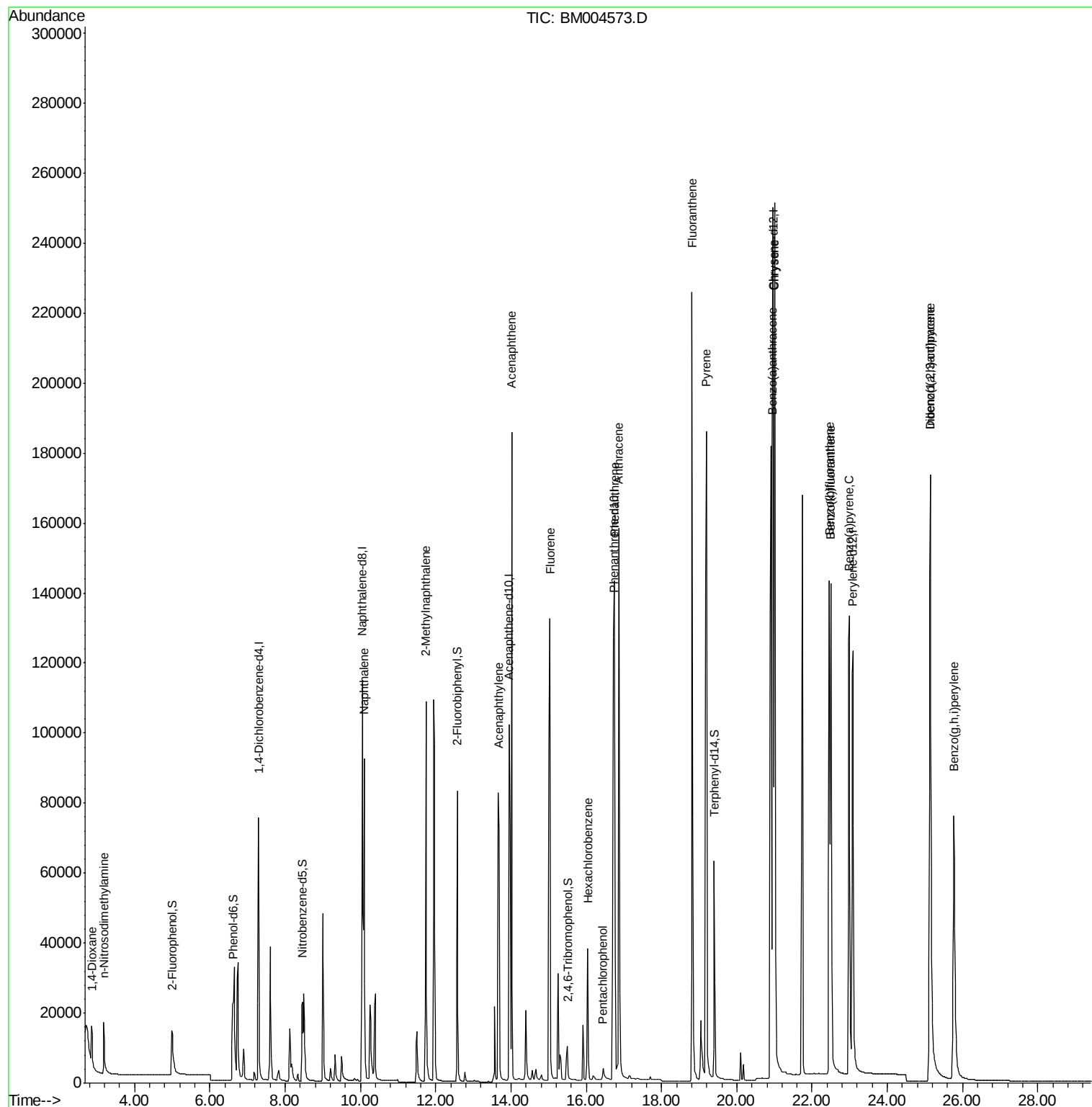
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
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Misc :
ALS Vial : 2 Sample Multiplier: 1

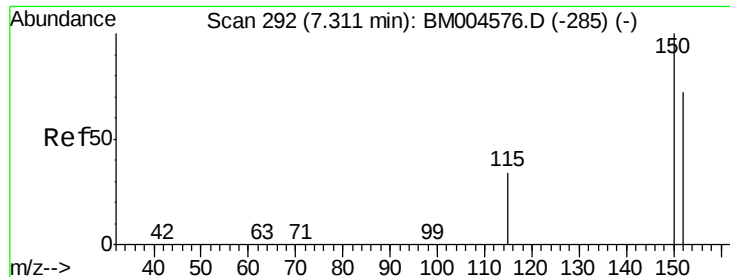
Instrument :
BNA_M
ClientSampleId :
SSTDIC3.2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 08 13:49:28 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.29 min Scan# 291

Delta R.T. -0.02 min

Lab File: BM004573.D

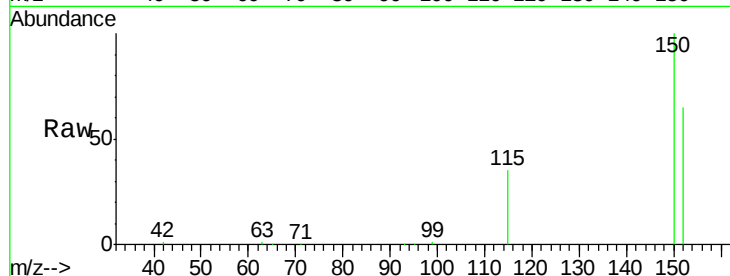
Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

ClientSampleId :

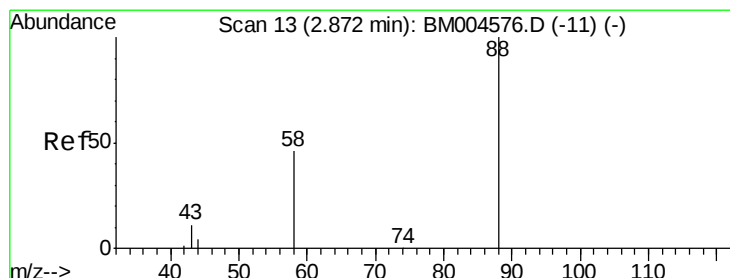
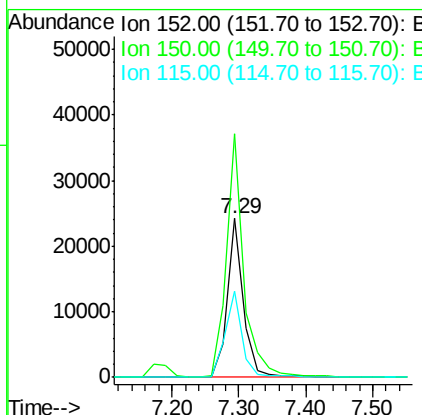
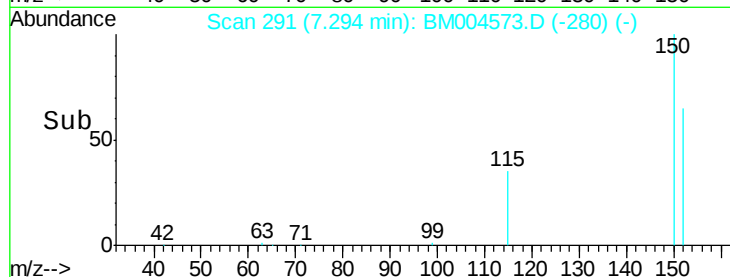
SSTDICC3.2



Tgt Ion:	152	Resp:	39809
Ion Ratio	Lower	Upper	
152	100		
150	153.3	111.9	167.9
115	54.3	37.7	56.5

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#2

1,4-Dioxane

Concen: 2.13 ng

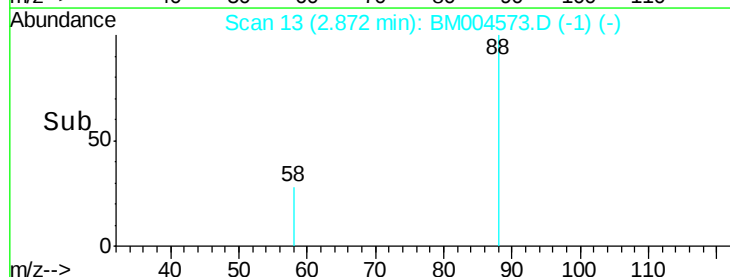
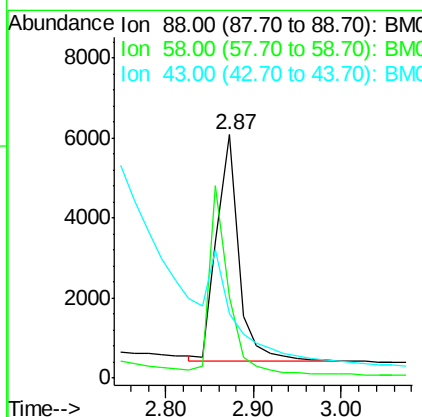
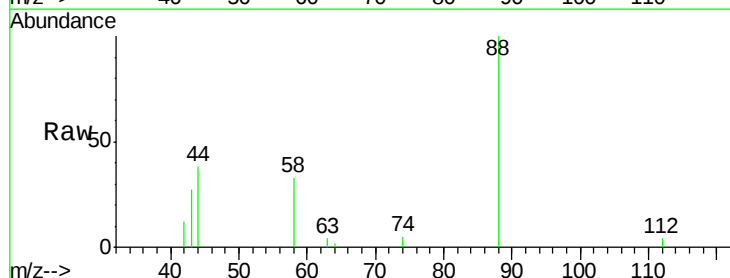
RT: 2.87 min Scan# 13

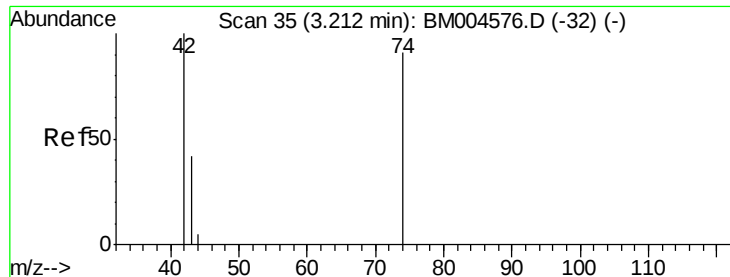
Delta R.T. -0.00 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

Tgt Ion:	88	Resp:	9826
Ion Ratio	Lower	Upper	
88	100		
58	72.2	45.4	68.0#
43	0.0	19.3	28.9#





#3

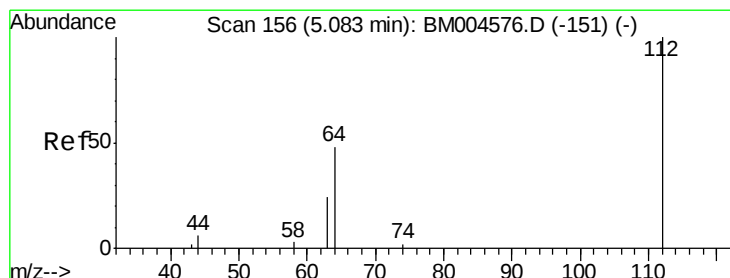
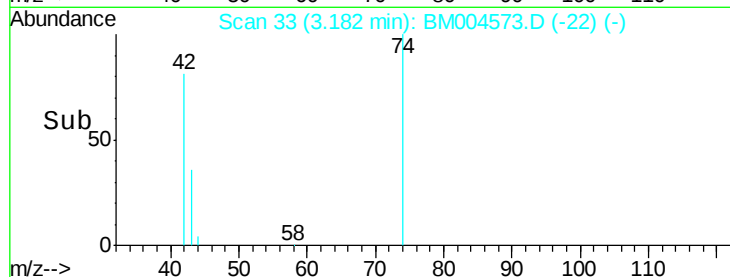
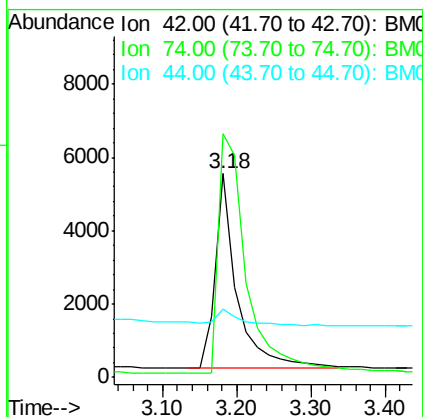
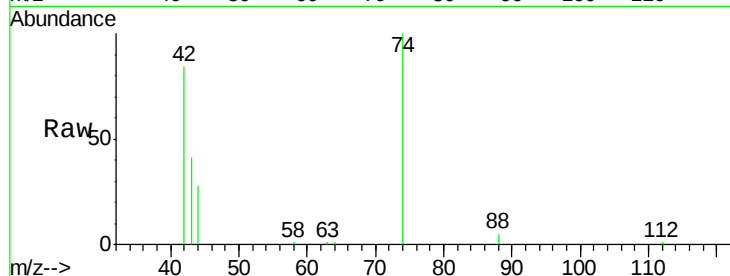
n-Nitrosodimethylamine
Concen: 2.67 ng
RT: 3.18 min Scan# 33
Delta R.T. -0.03 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
42	100		
74	159.1	117.8	176.8
44	9.7	6.1	9.1#

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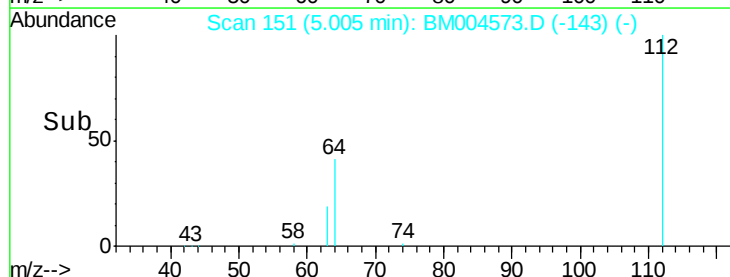
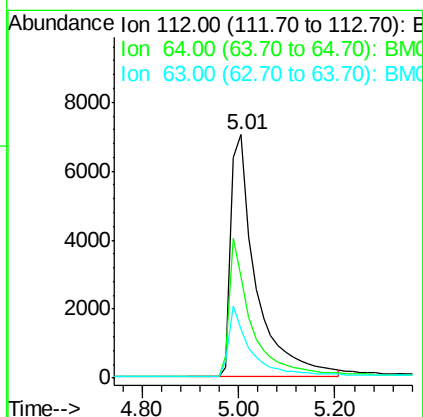
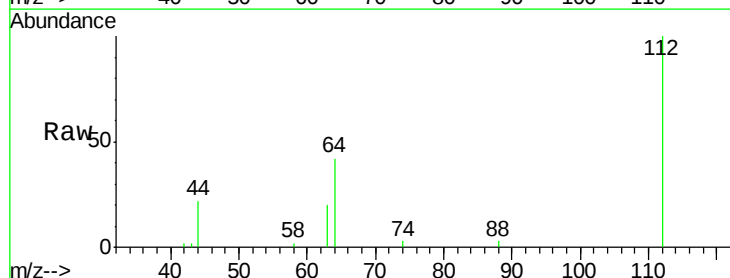
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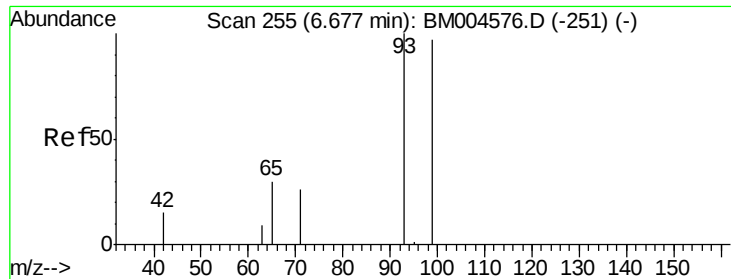


#4

2-Fluorophenol
Concen: 2.70 ng
RT: 5.01 min Scan# 151
Delta R.T. -0.08 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.4	39.6	59.4
63	24.6	20.0	30.0





#5

Phenol-d6

Concen: 3.12 ng

RT: 6.61 min Scan# 251

Delta R.T. -0.07 min

Lab File: BM004573.D

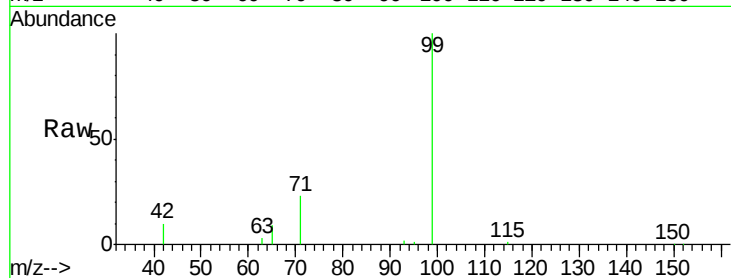
Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

ClientSampleId :

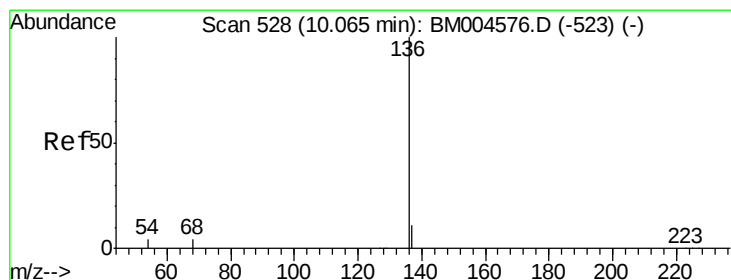
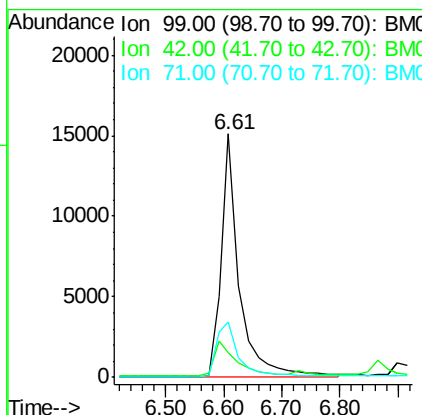
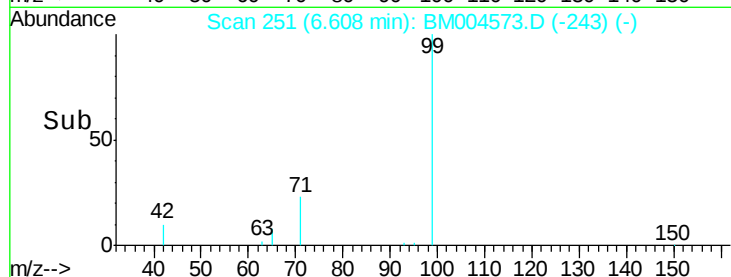
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.2	12.2	18.2
71	27.8	23.4	35.2

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#6

Naphthalene-d8

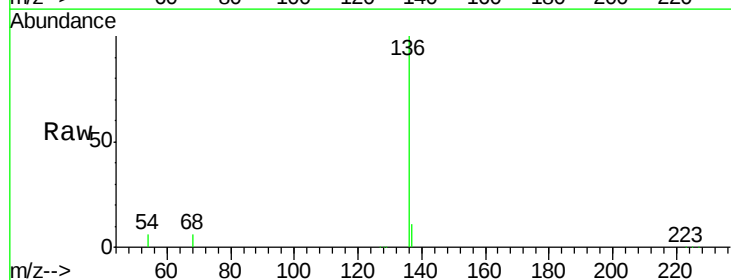
Concen: 5.00 ng

RT: 10.05 min Scan# 527

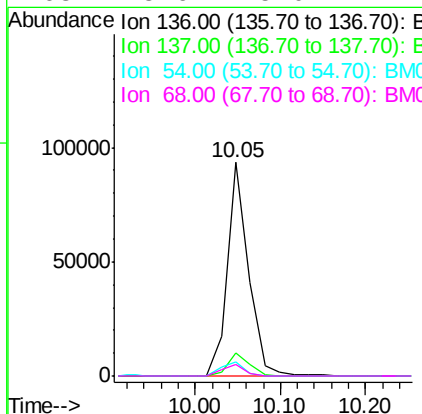
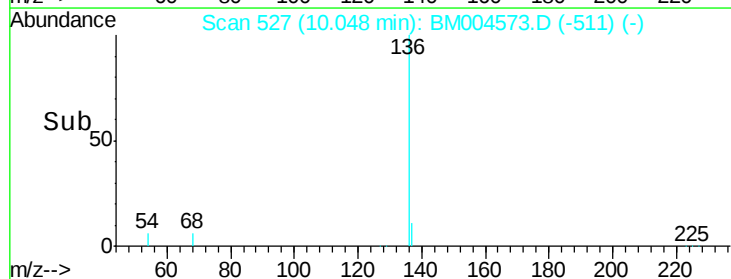
Delta R.T. -0.02 min

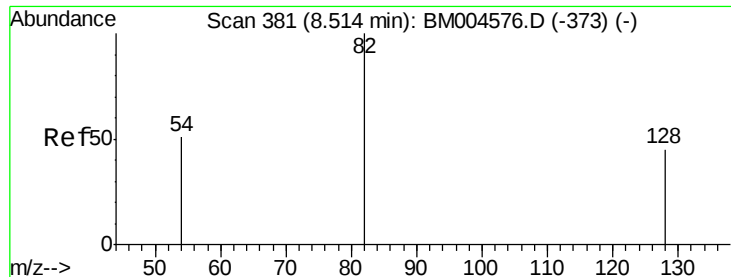
Lab File: BM004573.D

Acq: 08 Mar 2016 10:21



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.2	12.2
54	6.5	6.4	9.6
68	5.6	5.0	7.4





#7

Nitrobenzene-d5

Concen: 3.23 ng

RT: 8.46 min Scan# 376

Delta R.T. -0.05 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

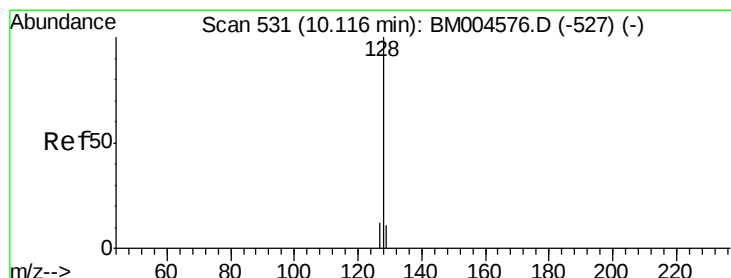
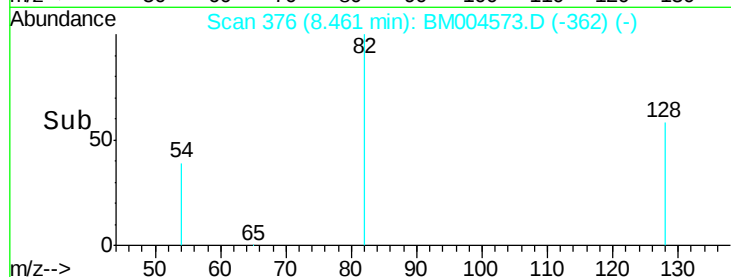
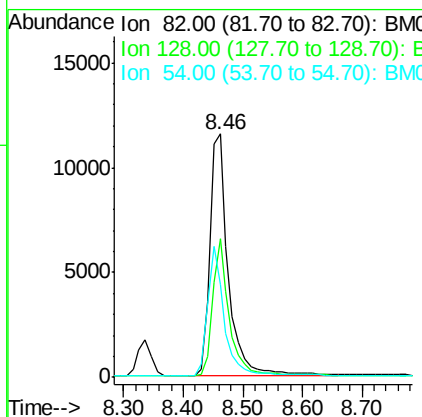
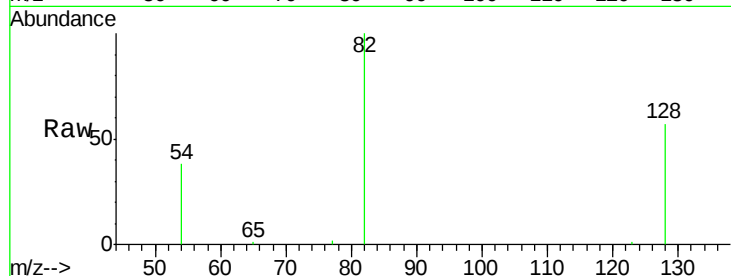
ClientSampleId :

SSTDICC3.2

Tgt Ion:	82	Resp:	25199
Ion Ratio	Lower	Upper	
82	100		
128	56.8	43.7	65.5
54	37.9	33.5	50.3

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#8

Naphthalene

Concen: 2.83 ng

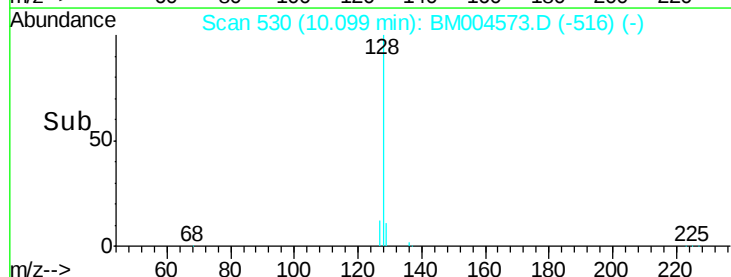
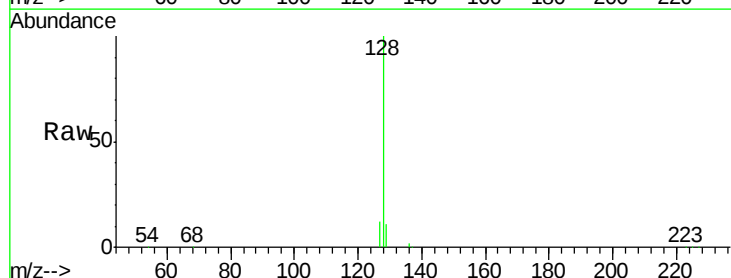
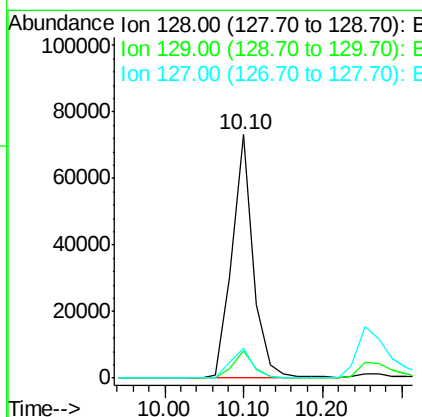
RT: 10.10 min Scan# 530

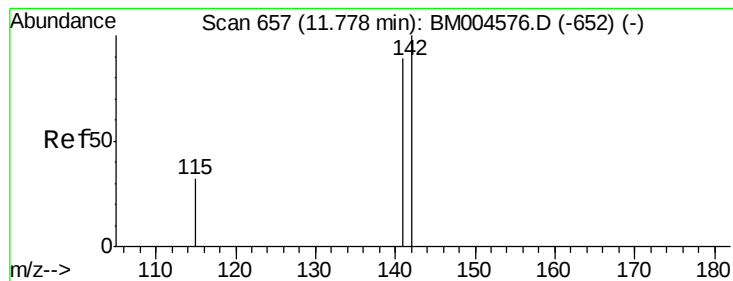
Delta R.T. -0.02 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

Tgt Ion:	128	Resp:	136421
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.9	13.3
127	12.3	10.9	16.3





#9

2-Methylnaphthalene

Concen: 3.43 ng

RT: 11.74 min Scan# 653

Delta R.T. -0.04 min

Lab File: BM004573.D

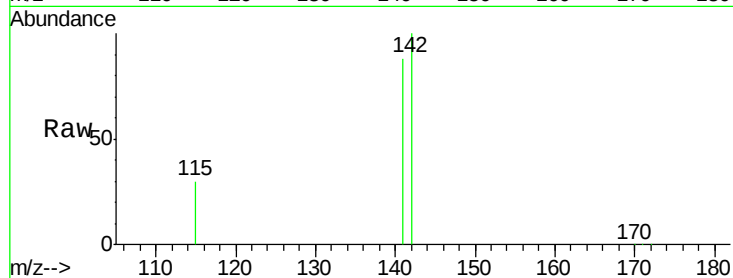
Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

ClientSampleId :

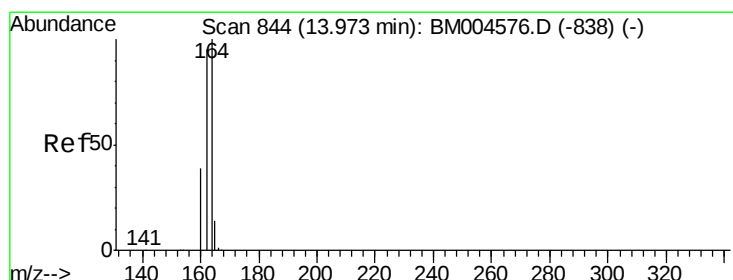
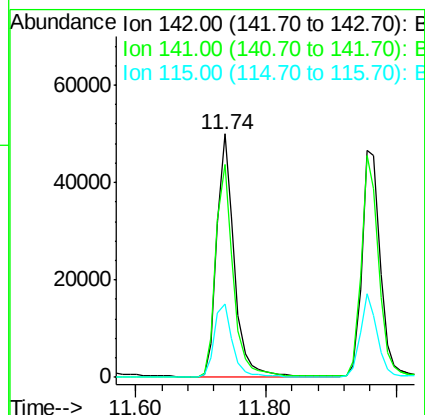
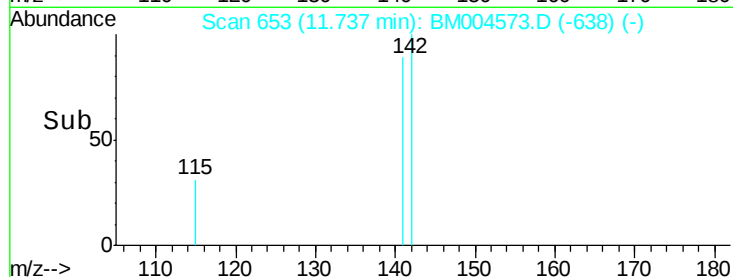
SSTDICC3.2



Tgt Ion:	142	Resp:	91224
Ion Ratio	Lower	Upper	
142	100		
141	87.6	70.2	105.2
115	30.3	25.8	38.6

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#10

Acenaphthene-d10

Concen: 5.00 ng

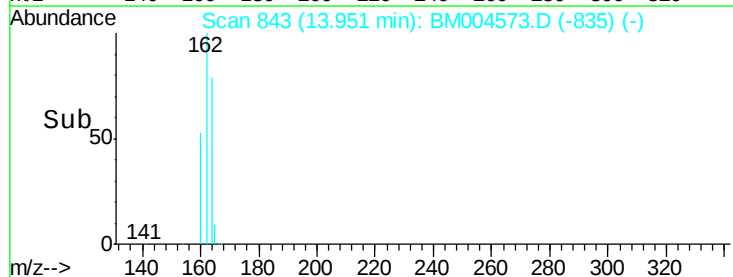
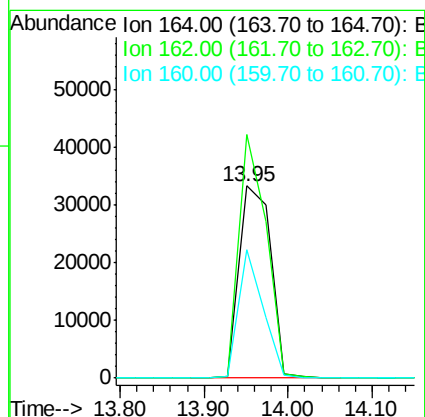
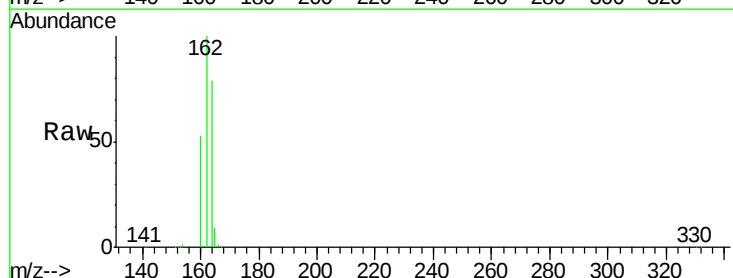
RT: 13.95 min Scan# 843

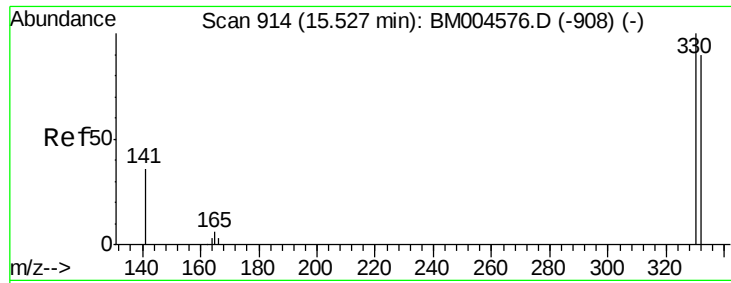
Delta R.T. -0.02 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

Tgt Ion:	164	Resp:	85630
Ion Ratio	Lower	Upper	
164	100		
162	126.7	84.2	126.4#
160	66.6	37.4	56.2#





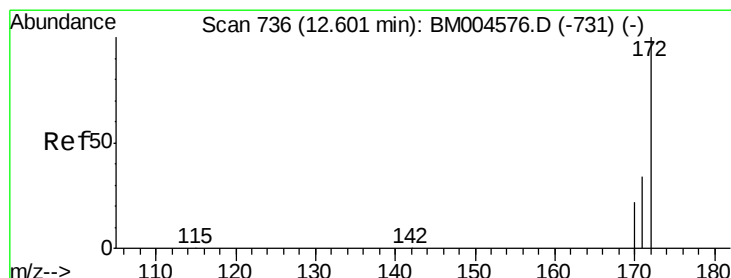
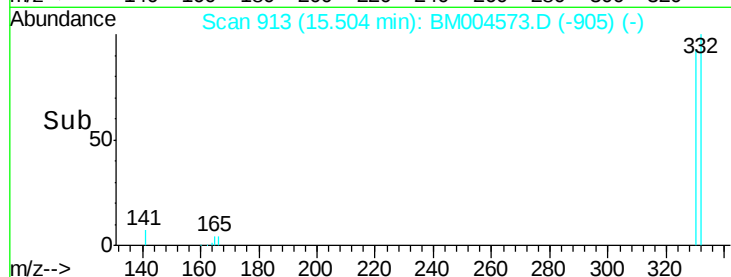
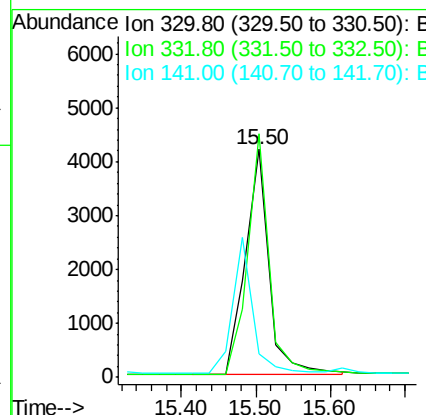
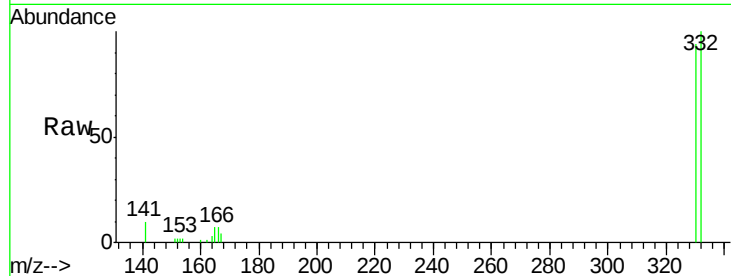
#11
 2,4,6-Tribromophenol
 Concen: 2.81 ng
 RT: 15.50 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: BM004573.D
 Acq: 08 Mar 2016 10:21

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.1	114.1
141	0.0	16.0	24.0

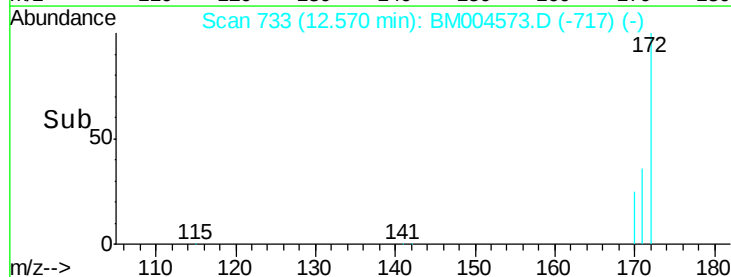
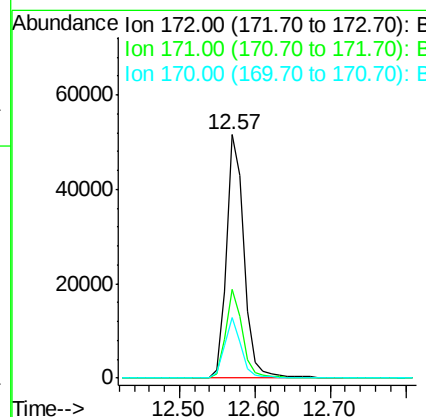
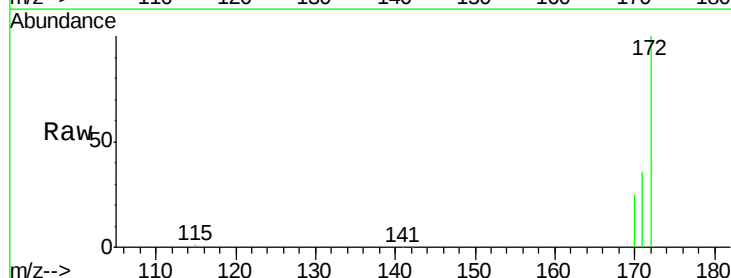
Manual Integrations
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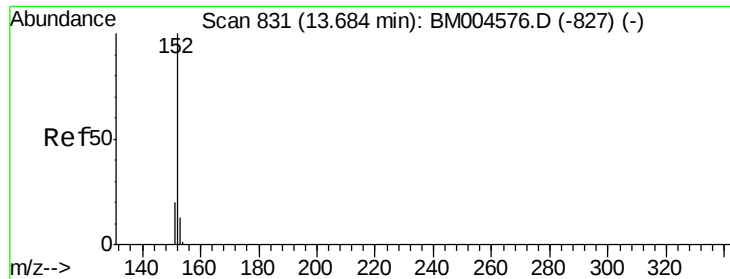
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#12
 2-Fluorobiphenyl
 Concen: 3.24 ng
 RT: 12.57 min Scan# 733
 Delta R.T. -0.03 min
 Lab File: BM004573.D
 Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.2	43.8
170	24.7	19.7	29.5





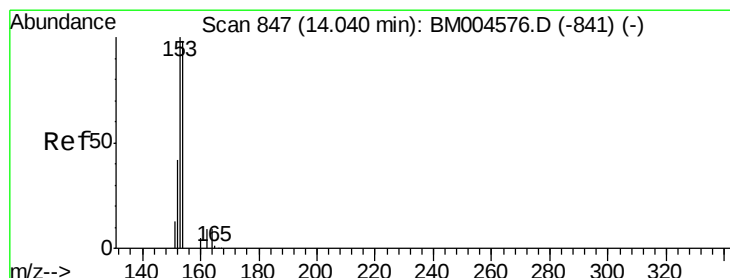
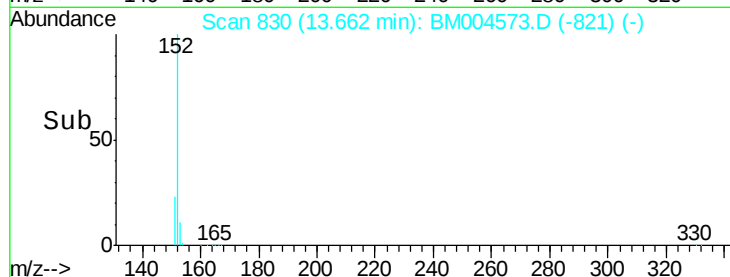
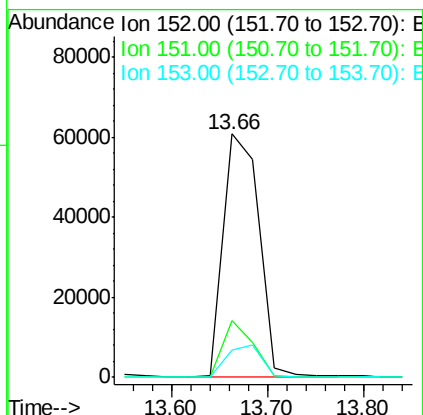
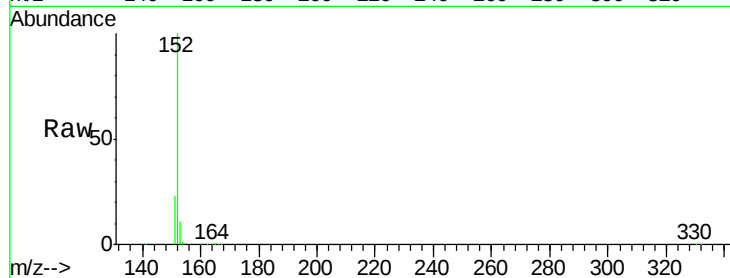
#13
Acenaphthylene
Concen: 3.23 ng
RT: 13.66 min Scan# 830
Delta R.T. -0.02 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.8	15.8	23.6
153	0.0	10.2	15.4

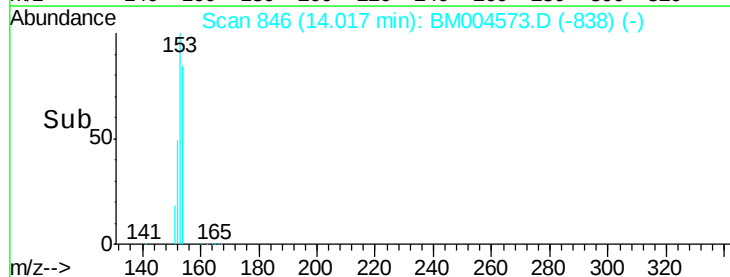
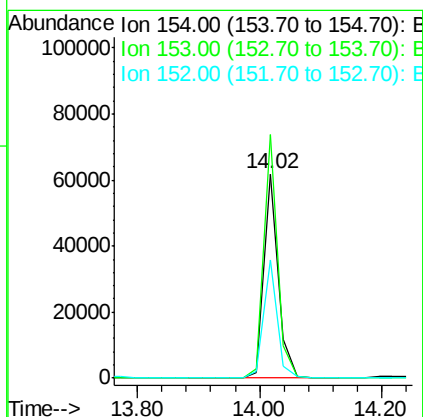
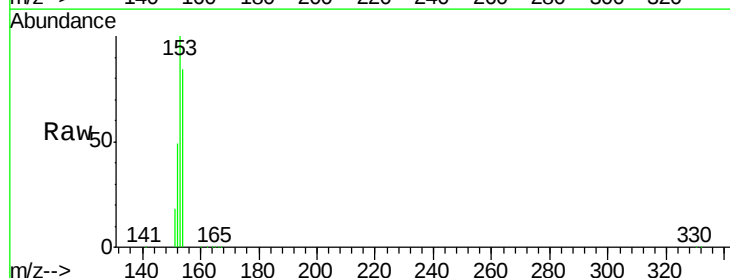
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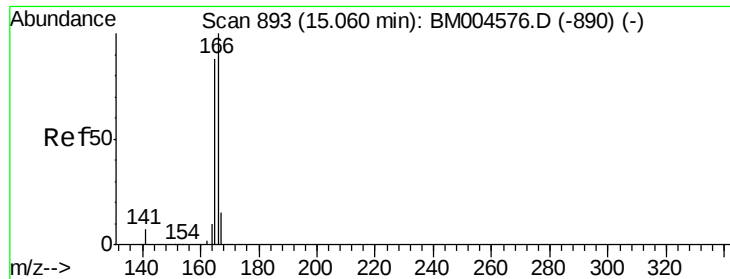
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#14
Acenaphthene
Concen: 3.16 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	114.2	88.0	132.0
152	54.6	41.1	61.7





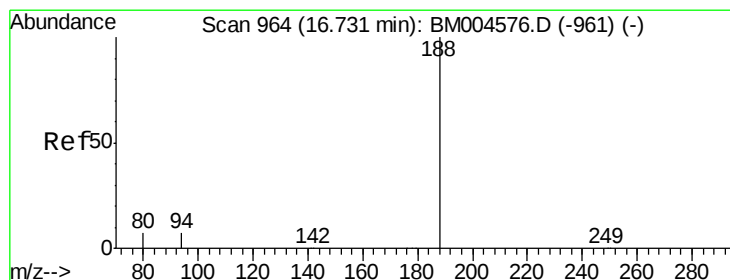
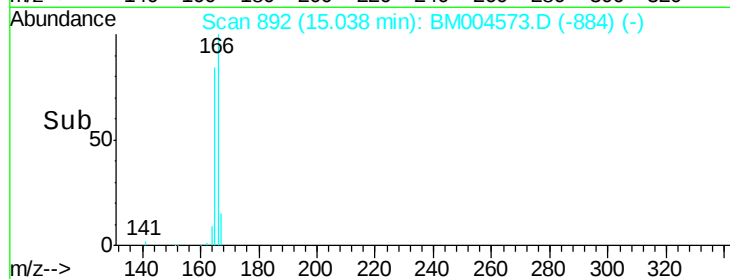
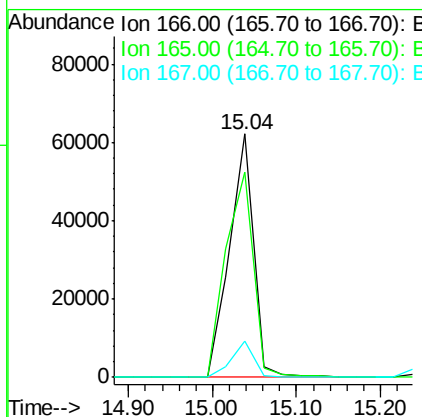
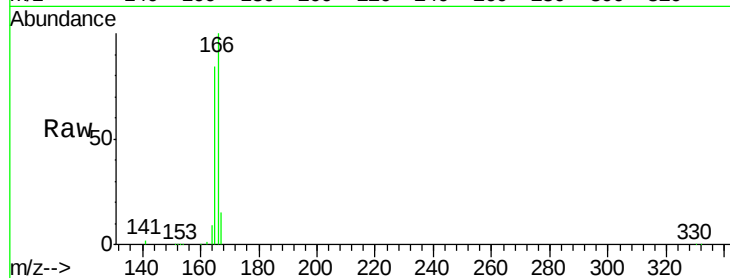
#15
Fluorene
 Concen: 3.12 ng
 RT: 15.04 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BM004573.D
 Acq: 08 Mar 2016 10:21

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.2	115.8
167	13.6	10.9	16.3

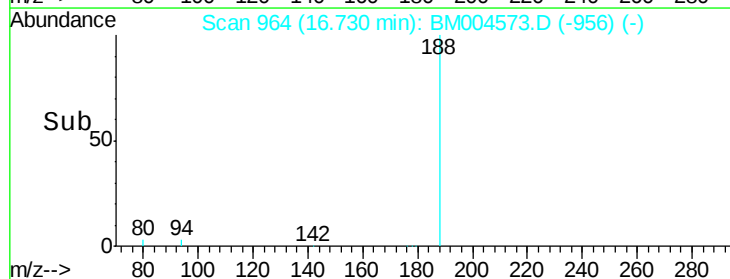
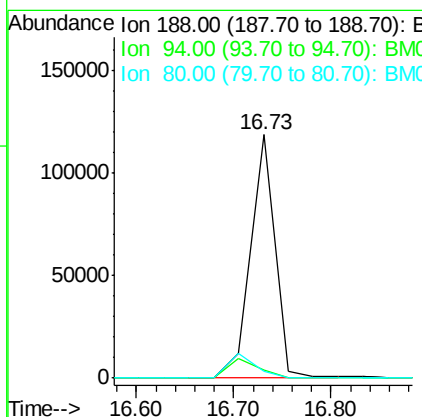
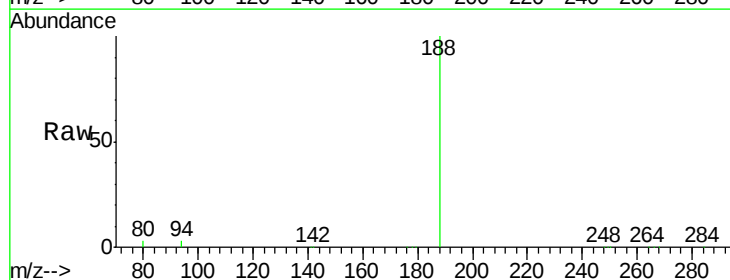
Manual Integrations
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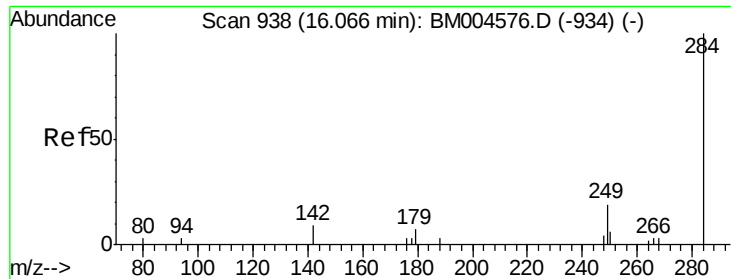
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#16
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.73 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: BM004573.D
 Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.3	7.4	11.0#
80	2.7	6.9	10.3#





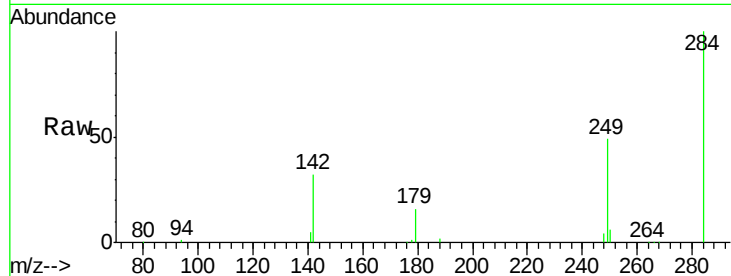
#17
Hexachlorobenzene
Concen: 2.68 ng
RT: 16.04 min Scan# 937
Delta R.T. -0.03 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

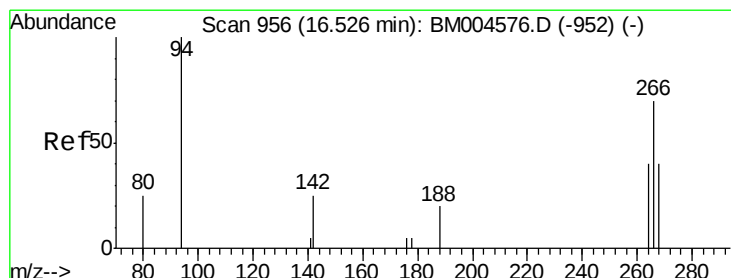
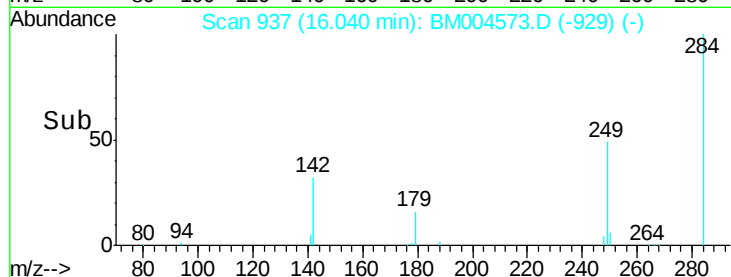
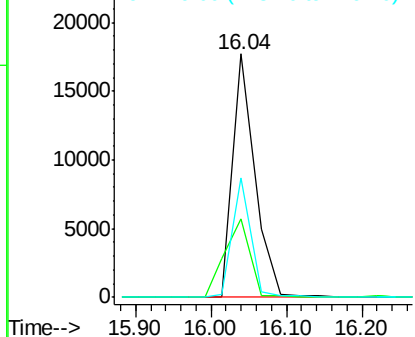
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	34312		
142	38.8	20.8	31.2	#
249	41.7	24.0	36.0	#

Manual Integrations
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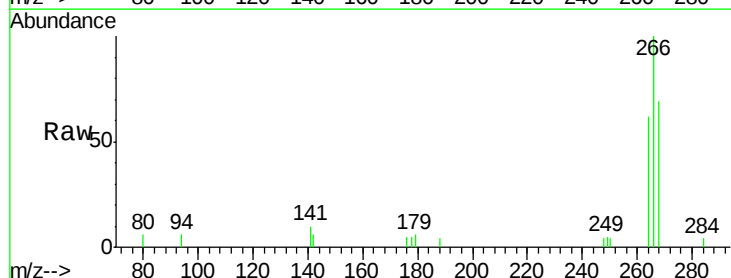


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

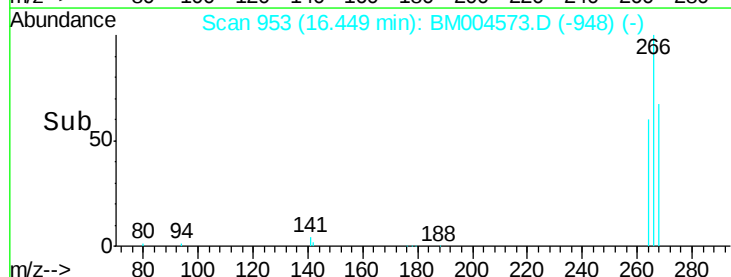
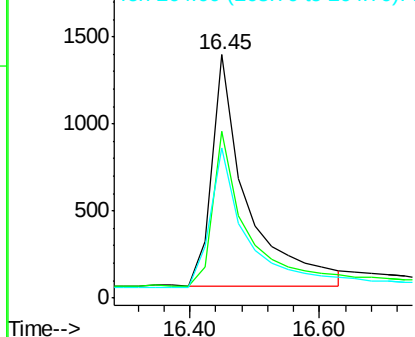


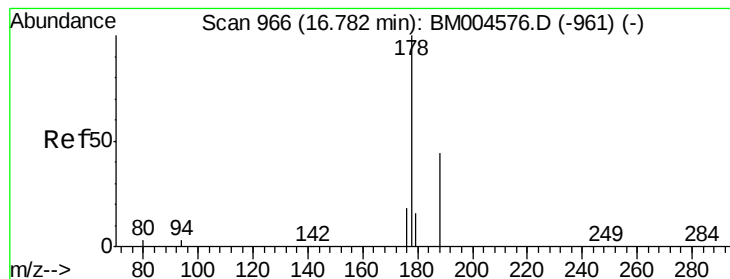
#18
Pentachlorophenol
Concen: 1.61 ng
RT: 16.45 min Scan# 953
Delta R.T. -0.08 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	4990		
268	68.7	60.7	91.1	
264	61.6	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: 2.71 ng

RT: 16.76 min Scan# 965

Delta R.T. -0.03 min

Lab File: BM004573.D

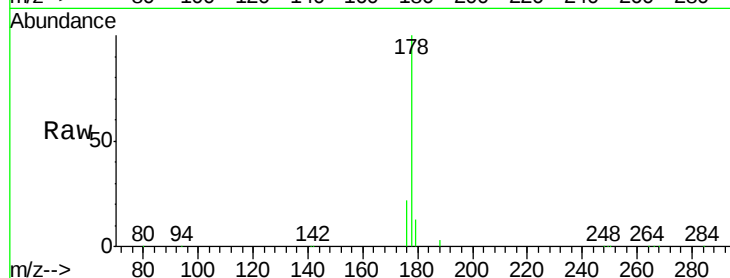
Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

ClientSampleId :

SSTDICC3.2



Tgt Ion:178 Resp: 198922

Ion Ratio Lower Upper

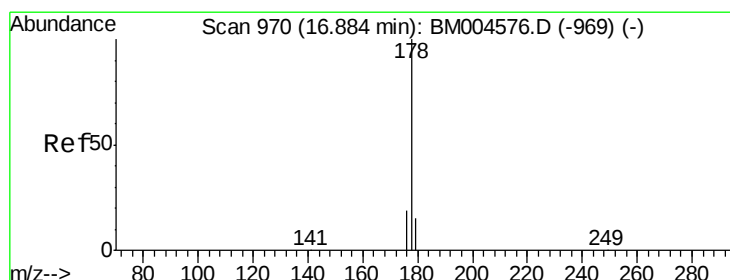
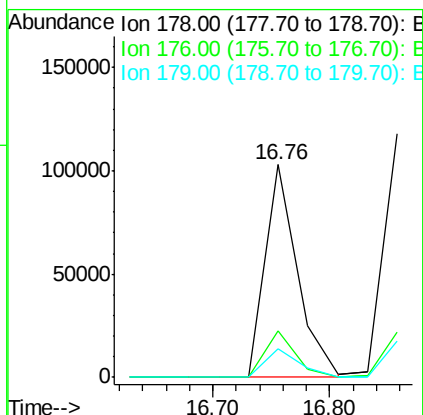
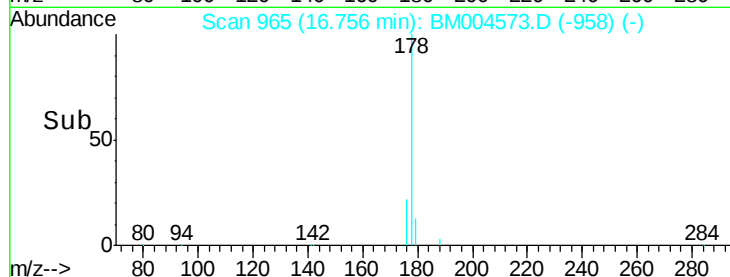
178 100

176 20.1 14.7 22.1

179 14.6 12.9 19.3

Manual Integrations
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#20

Anthracene

Concen: 3.51 ng

RT: 16.86 min Scan# 969

Delta R.T. -0.03 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

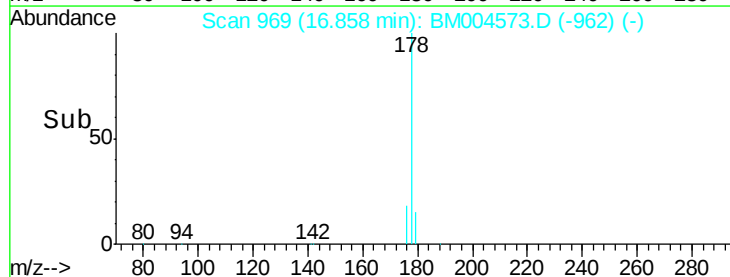
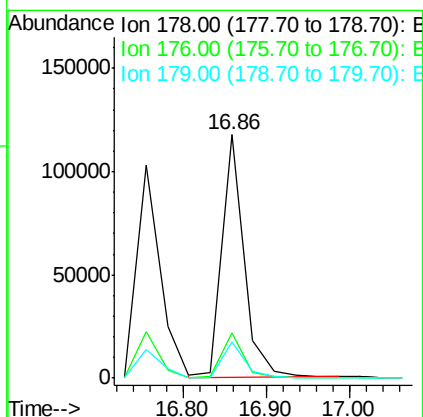
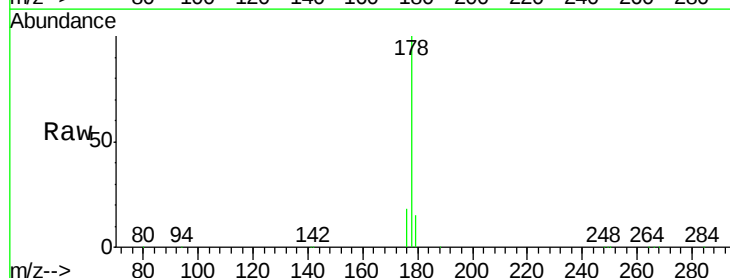
Tgt Ion:178 Resp: 216743

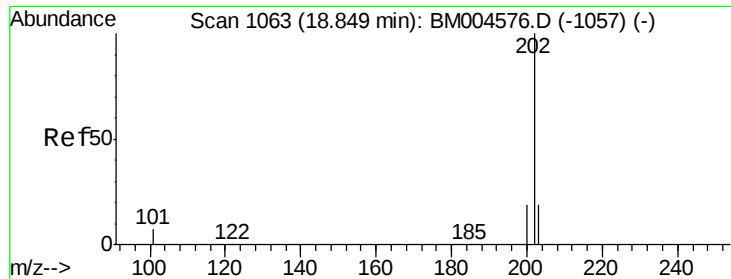
Ion Ratio Lower Upper

178 100

176 18.1 15.6 23.4

179 15.2 13.6 20.4





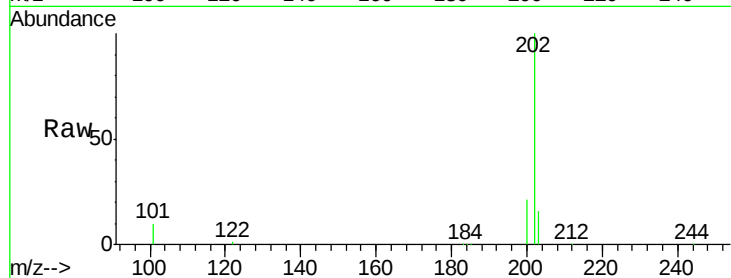
#21
Fluoranthene
Concen: 3.10 ng
RT: 18.81 min Scan# 1061
Delta R.T. -0.03 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.5	9.4	14.2
203	17.2	13.9	20.9

Manual Integrations
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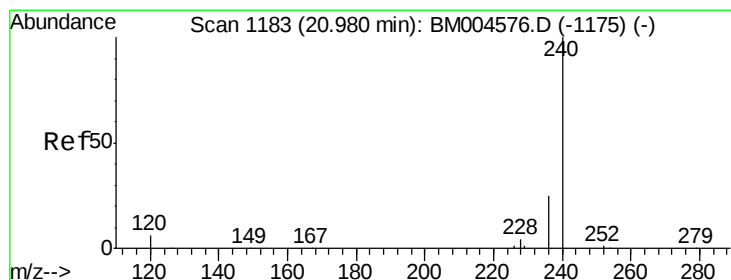
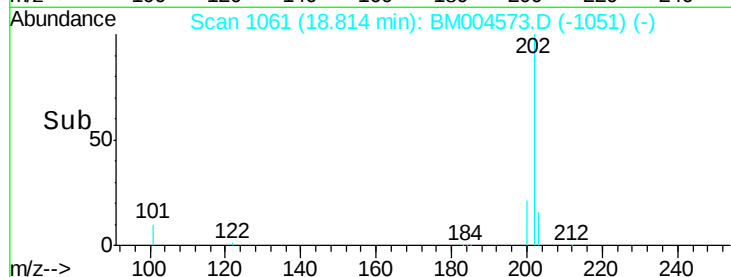
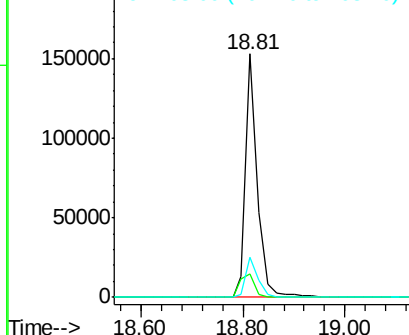


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#22
Chrysene-d12
Concen: 5.00 ng
RT: 20.96 min Scan# 1182
Delta R.T. -0.02 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

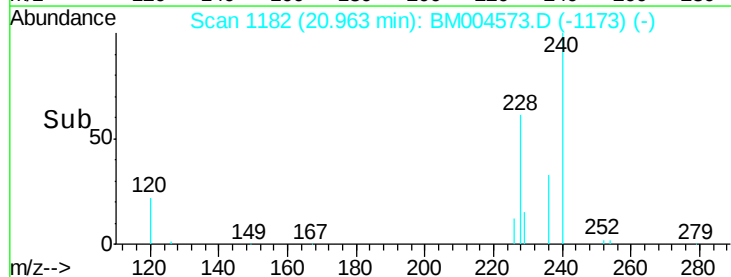
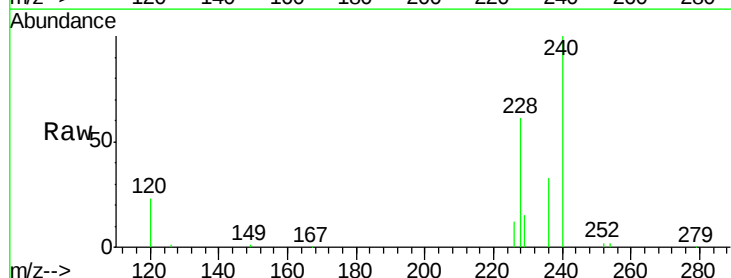
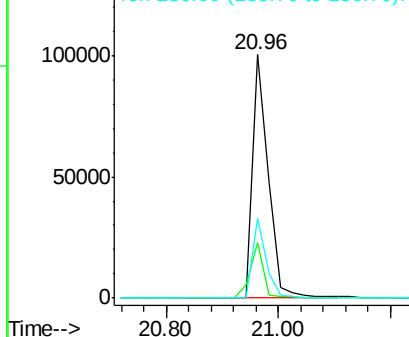
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	22.5	6.1	9.1#
236	32.9	22.6	34.0

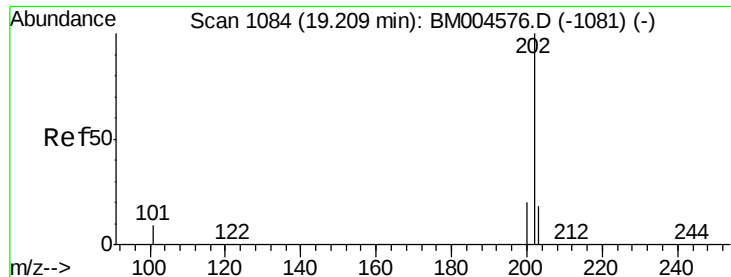
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





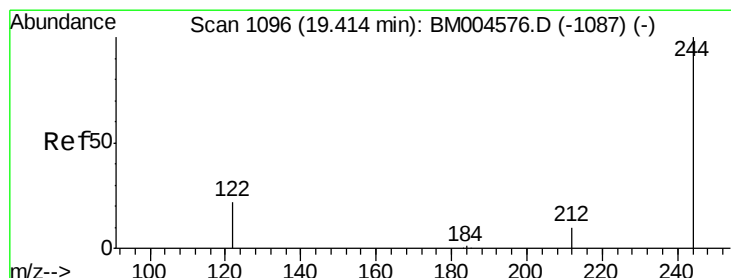
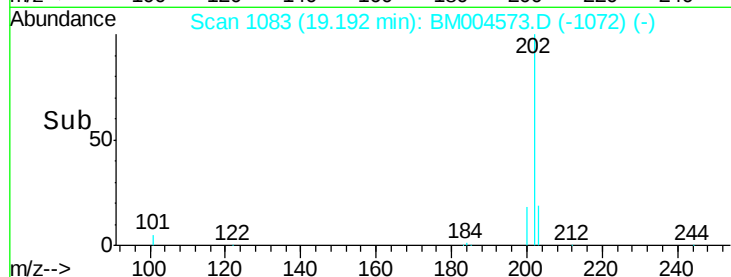
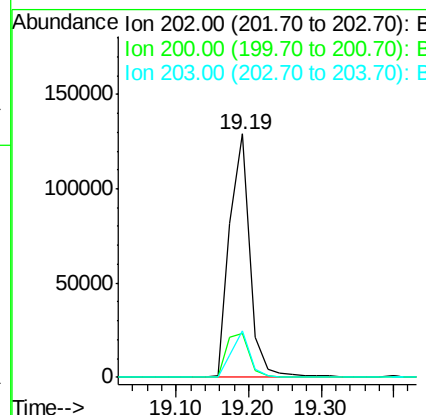
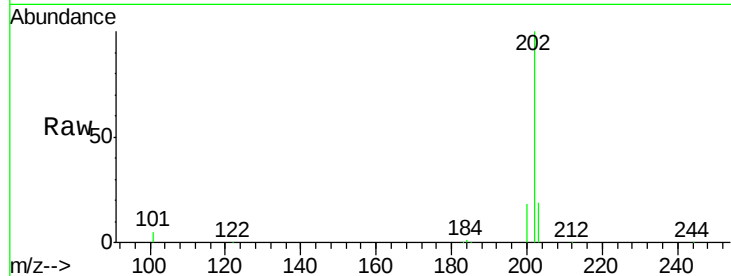
#23
 Pyrene
 Concen: 3.23 ng
 RT: 19.19 min Scan# 1083
 Delta R.T. -0.02 min
 Lab File: BM004573.D
 Acq: 08 Mar 2016 10:21

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt Ion:	202	Resp:	248919
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.6	24.8
203	17.5	14.1	21.1

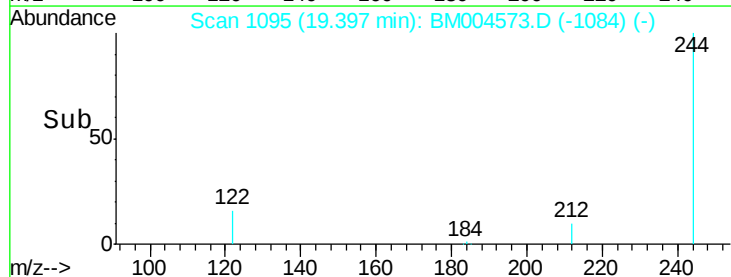
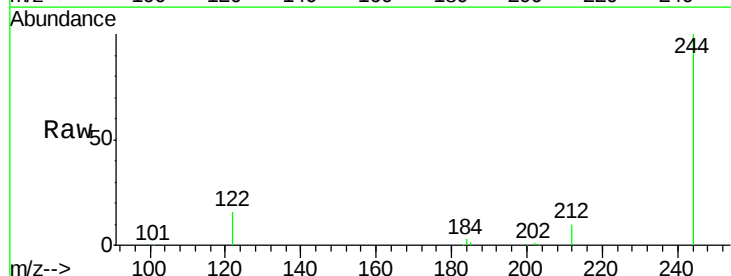
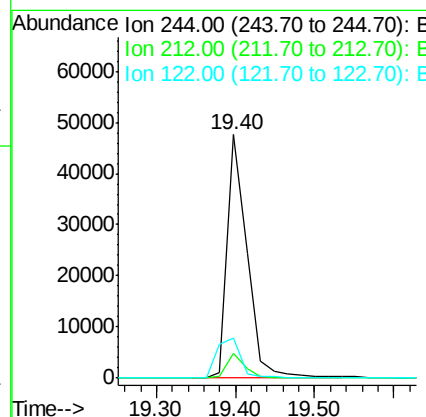
Manual Integrations
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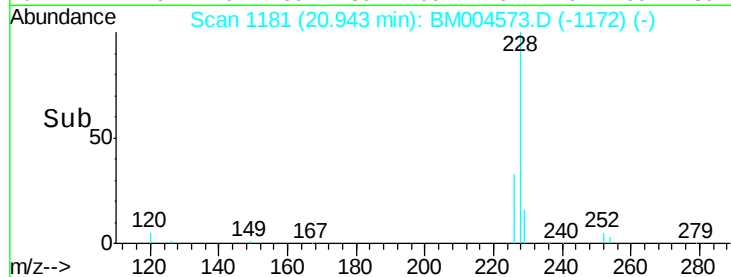
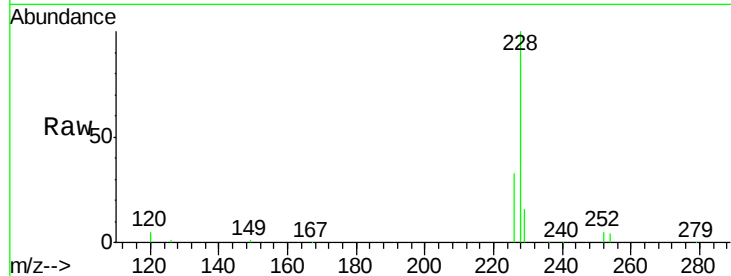
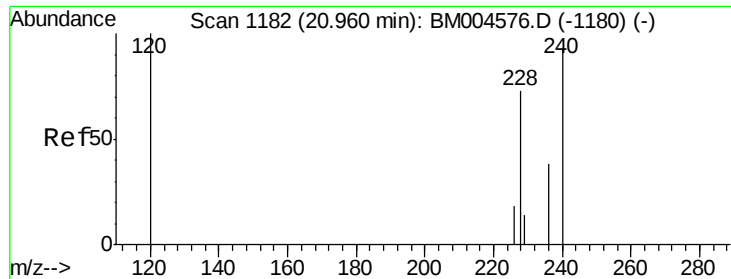
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#24
 Terphenyl-d14
 Concen: 3.25 ng
 RT: 19.40 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: BM004573.D
 Acq: 08 Mar 2016 10:21

Tgt Ion:	244	Resp:	81656
Ion Ratio	Lower	Upper	
244	100		
212	10.3	7.5	11.3
122	16.3	4.2	6.2#





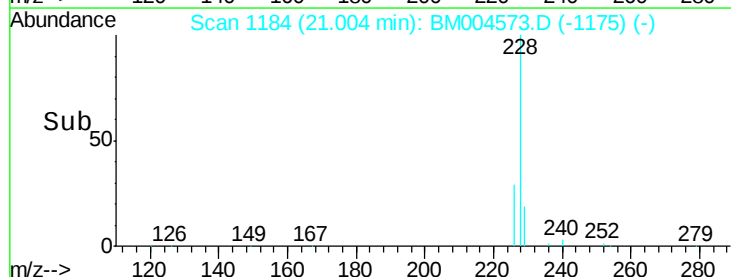
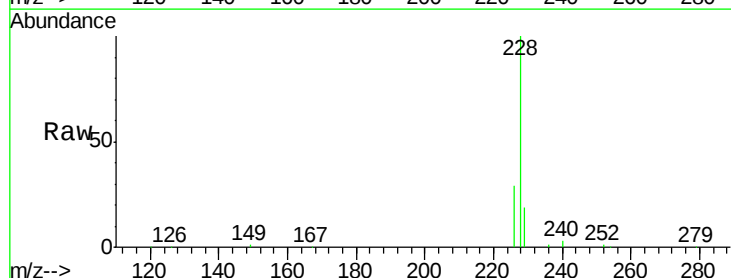
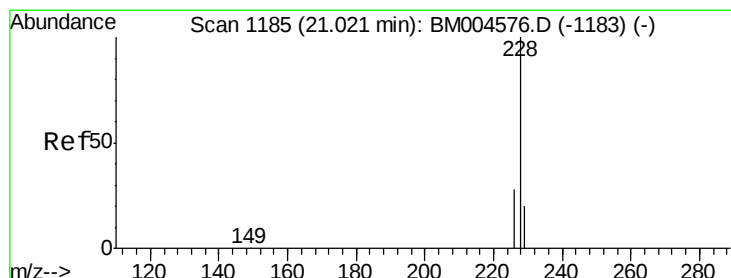
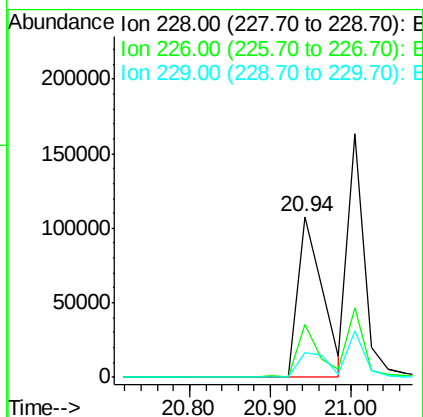
#25
Benzo(a)anthracene
Concen: 3.12 ng
RT: 20.94 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.8	34.2
229	15.7	14.6	22.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

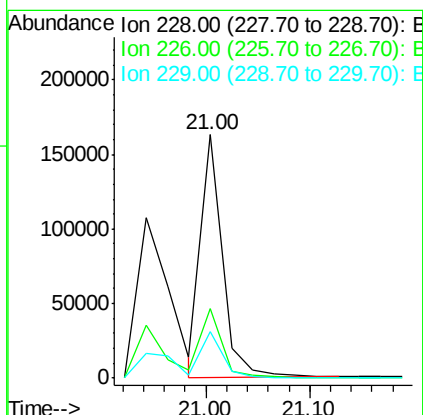
Manual Integrations
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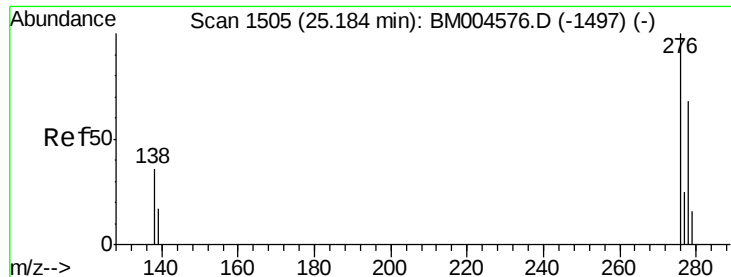
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#26
Chrysene
Concen: 1.60 ng
RT: 21.00 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.4	32.2
229	18.9	17.1	25.7





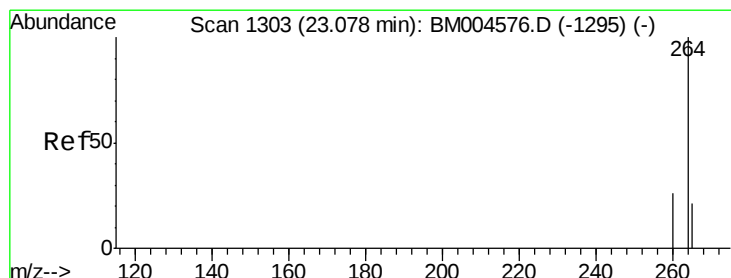
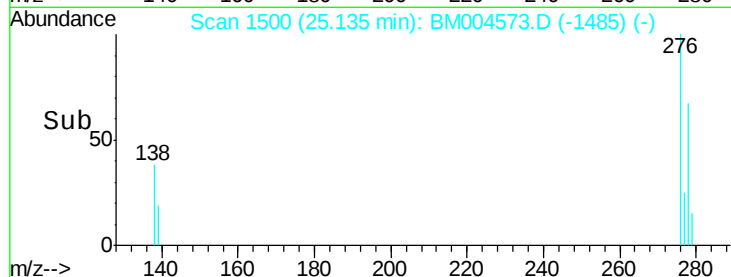
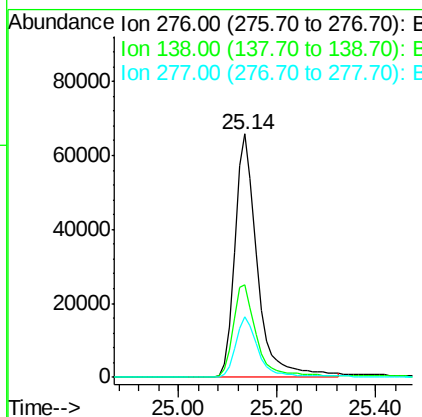
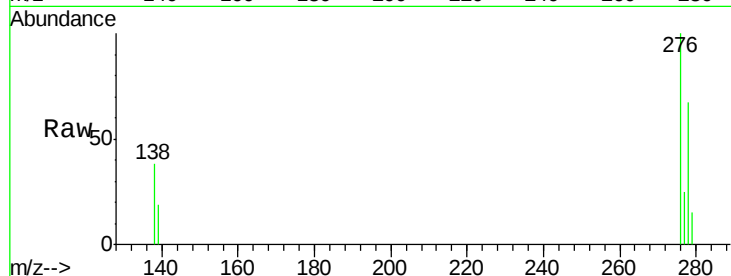
#27
Indeno(1,2,3-cd)pyrene
Concen: 3.01 ng
RT: 25.14 min Scan# 1500
Delta R.T. -0.05 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	40.0	30.4	45.6
277	24.8	19.8	29.8

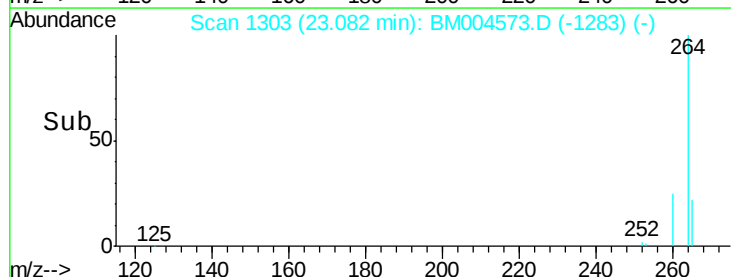
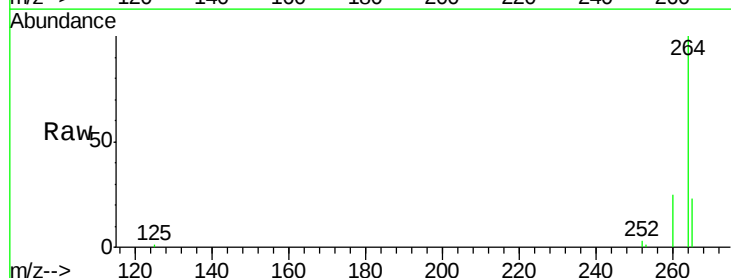
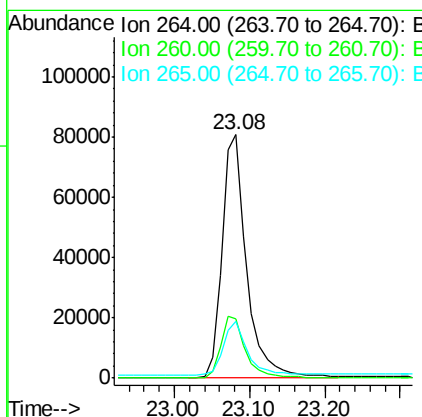
Manual Integrations
APPROVED

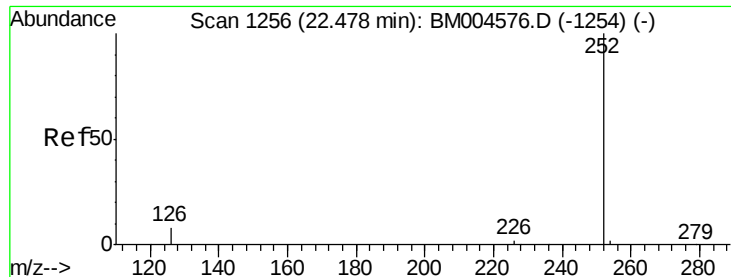
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.08 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.6	19.8	29.6
265	23.2	18.9	28.3





#29

Benzo(b)fluoranthene

Concen: 3.29 ng m

RT: 22.46 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

ClientSampleId :

SSTDICC3.2

Tgt Ion: 252 Resp: 236997
Ion Ratio Lower Upper

252 100

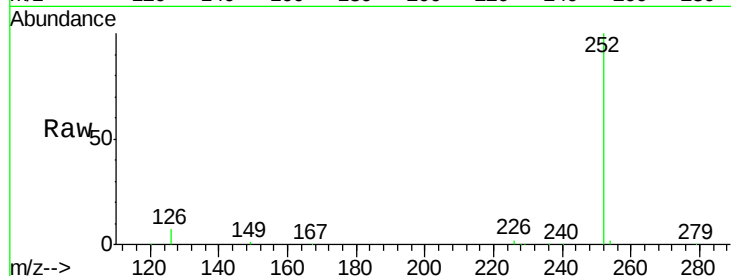
253 0.0 18.8 28.2#

125 0.0 11.8 17.8#

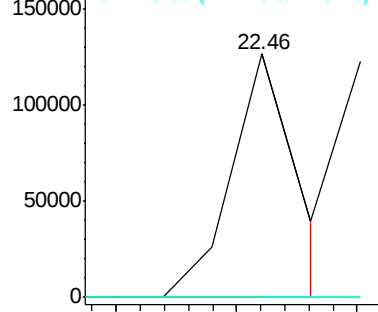
Manual Integrations
APPROVED

UMANGI

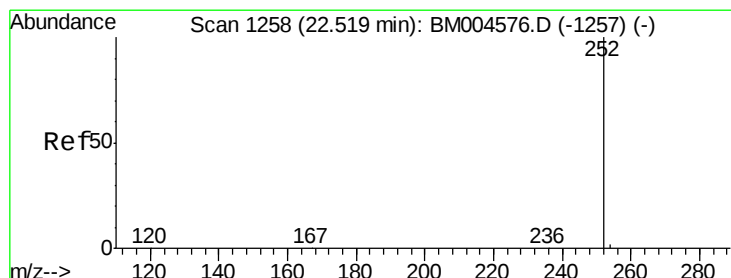
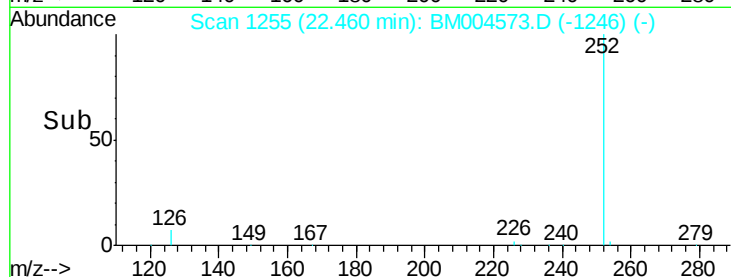
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#30

Benzo(k)fluoranthene

Concen: 2.93 ng m

RT: 22.50 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM004573.D

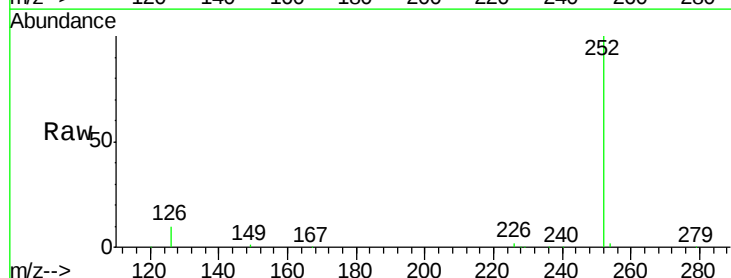
Acq: 08 Mar 2016 10:21

Tgt Ion: 252 Resp: 207811
Ion Ratio Lower Upper

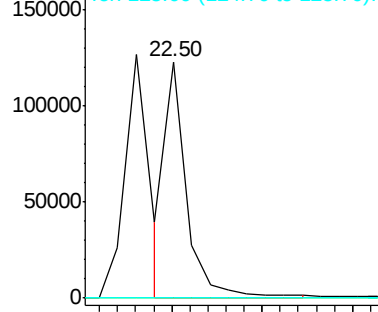
252 100

253 0.0 18.3 27.5#

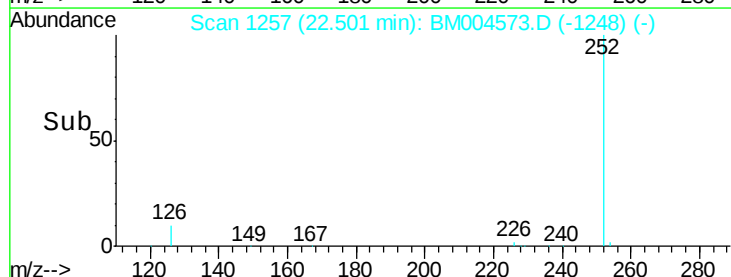
125 0.0 12.2 18.4#

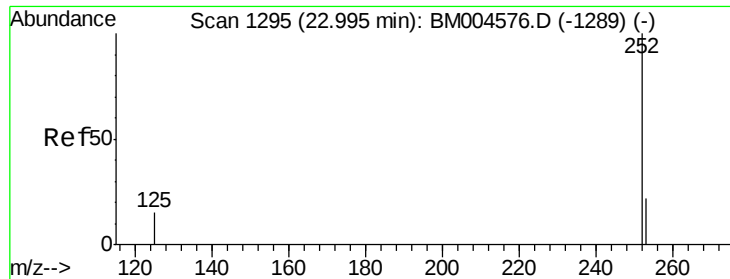


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





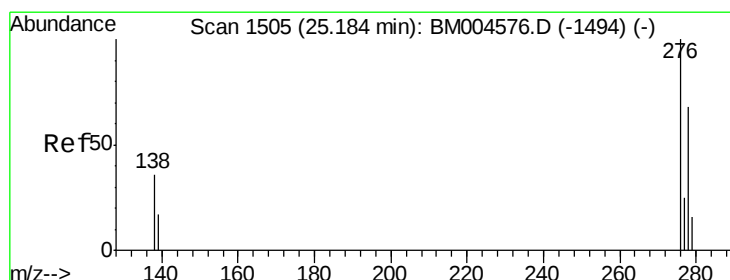
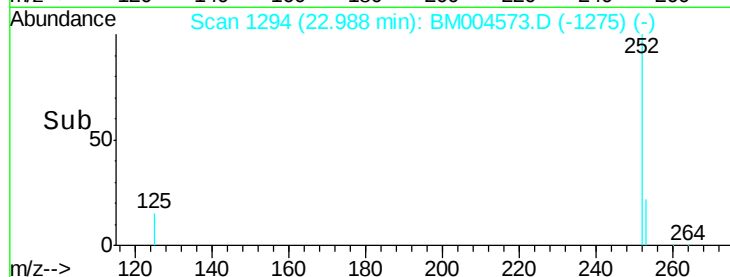
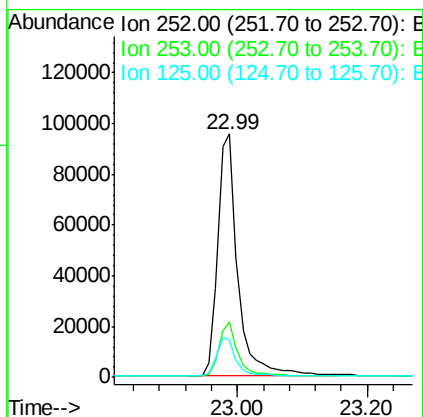
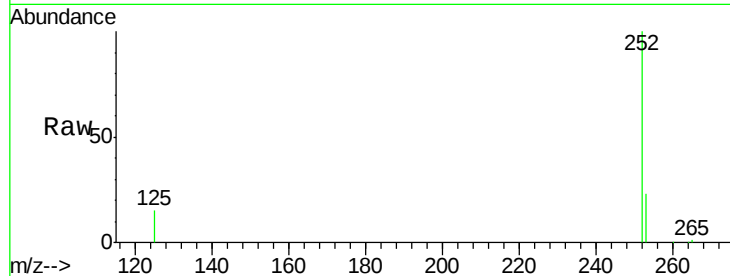
#31
Benzo(a)pyrene
Concen: 3.14 ng
RT: 22.99 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	15.2	14.3	21.5

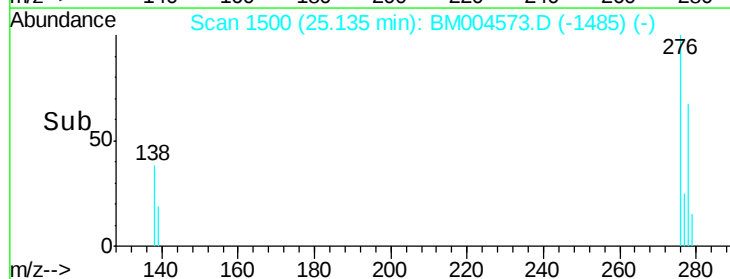
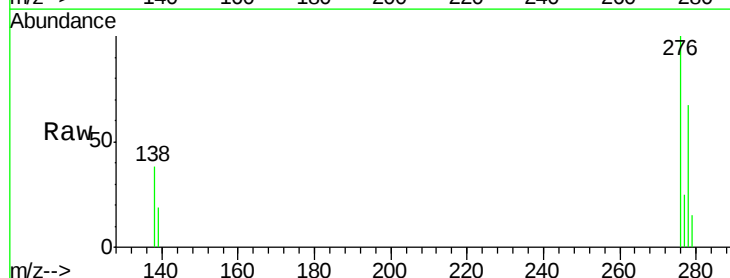
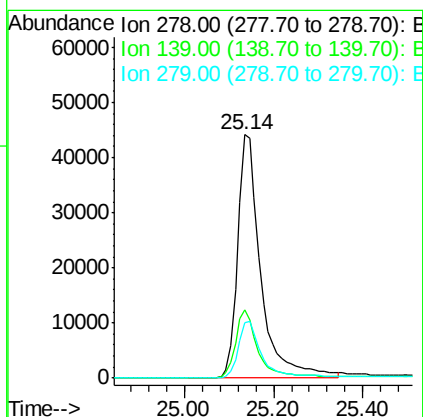
Manual Integrations
APPROVED

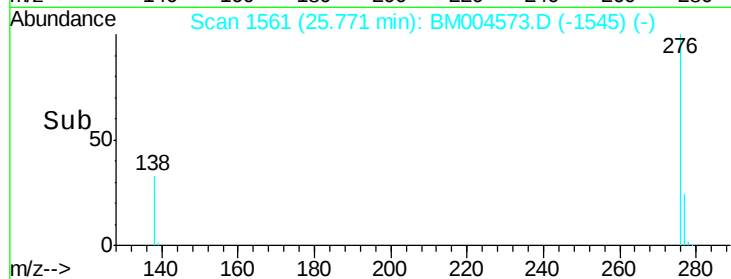
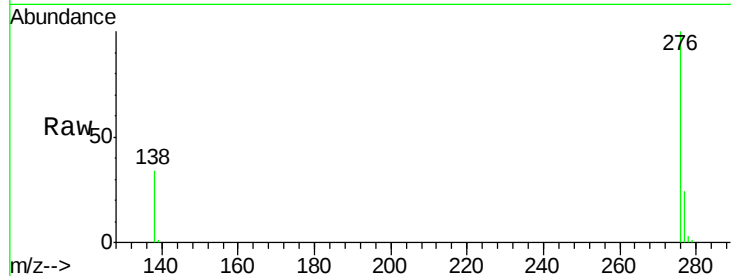
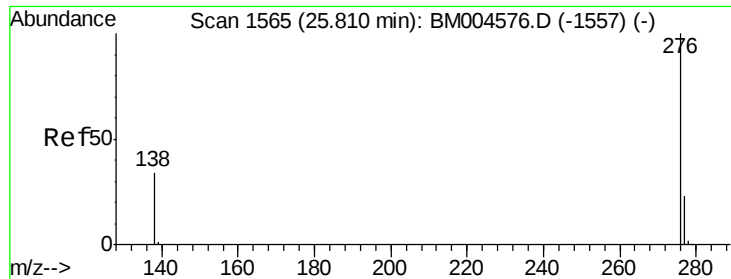
UMANGI
3/9/2016 5:54:35 PM



#32
Dibenzo(a,h)anthracene
Concen: 2.78 ng
RT: 25.14 min Scan# 1500
Delta R.T. -0.05 min
Lab File: BM004573.D
Acq: 08 Mar 2016 10:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.2	21.2	31.8
279	22.8	19.6	29.4





#33

Benzo(g,h,i)perylene

Concen: 2.74 ng

RT: 25.77 min Scan# 1561

Delta R.T. -0.04 min

Lab File: BM004573.D

Acq: 08 Mar 2016 10:21

Instrument :

BNA_M

ClientSampleId :

SSTDICC3.2

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	23.8	19.6	29.4	
138	33.7	26.2	39.2	

Manual Integrations
APPROVED

UMANGI
3/9/2016 5:54:35 PM

