

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
 Data File : BM004575.D
 Acq On : 08 Mar 2016 11:33
 Operator : SJ/UM
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
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 3/9/2016 5:54:38 PM

Quant Time: Mar 08 14:36:06 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	37107	5.00	ng	-0.02
6) Naphthalene-d8	10.05	136	139569	5.00	ng	-0.02
10) Acenaphthene-d10	13.96	164	81696	5.00	ng	-0.02
16) Phenanthrene-d10	16.74	188	162919	5.00	ng	0.00
22) Chrysene-d12	20.97	240	157246	5.00	ng	-0.01
28) Perylene-d12	23.08	264	125970	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	5443m	0.63	ng	-0.05
5) Phenol-d6	6.64	99	6531	0.67	ng	-0.03
7) Nitrobenzene-d5	8.49	82	5069	0.71	ng	-0.02
11) 2,4,6-Tribromophenol	15.51	330	1702	0.54	ng	-0.01
12) 2-Fluorobiphenyl	12.59	172	19361	0.77	ng	-0.01
24) Terphenyl-d14	19.42	244	15184	0.75	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.87	88	2711	0.63	ng	94
3) n-Nitrosodimethylamine	3.20	42	2380	0.63	ng	# 98
8) Naphthalene	10.10	128	31815	0.72	ng	100
9) 2-Methylnaphthalene	11.75	142	20220	0.83	ng	97
13) Acenaphthylene	13.69	152	34169	0.73	ng	# 71
14) Acenaphthene	14.02	154	23778	0.78	ng	98
15) Fluorene	15.05	166	27941	0.75	ng	99
17) Hexachlorobenzene	16.05	284	8176	0.81	ng	# 70
18) Pentachlorophenol	16.48	266	400	0.16	ng	93
19) Phenanthrene	16.76	178	45229	0.79	ng	98
20) Anthracene	16.87	178	38862	0.80	ng	97
21) Fluoranthene	18.82	202	46971	0.76	ng	99
23) Pyrene	19.20	202	48382	0.78	ng	99
25) Benzo(a)anthracene	20.95	228	45430	0.78	ng	97
26) Chrysene	21.01	228	38037	0.32	ng	96
27) Indeno(1,2,3-cd)pyrene	25.16	276	34995	0.65	ng	99
29) Benzo(b)fluoranthene	22.47	252	38214m	0.78	ng	
30) Benzo(k)fluoranthene	22.51	252	39745m	0.82	ng	
31) Benzo(a)pyrene	22.98	252	34658	0.78	ng	99
32) Dibenzo(a,h)anthracene	25.16	278	27091	0.70	ng	98
33) Benzo(g,h,i)perylene	25.79	276	30709	0.72	ng	96

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

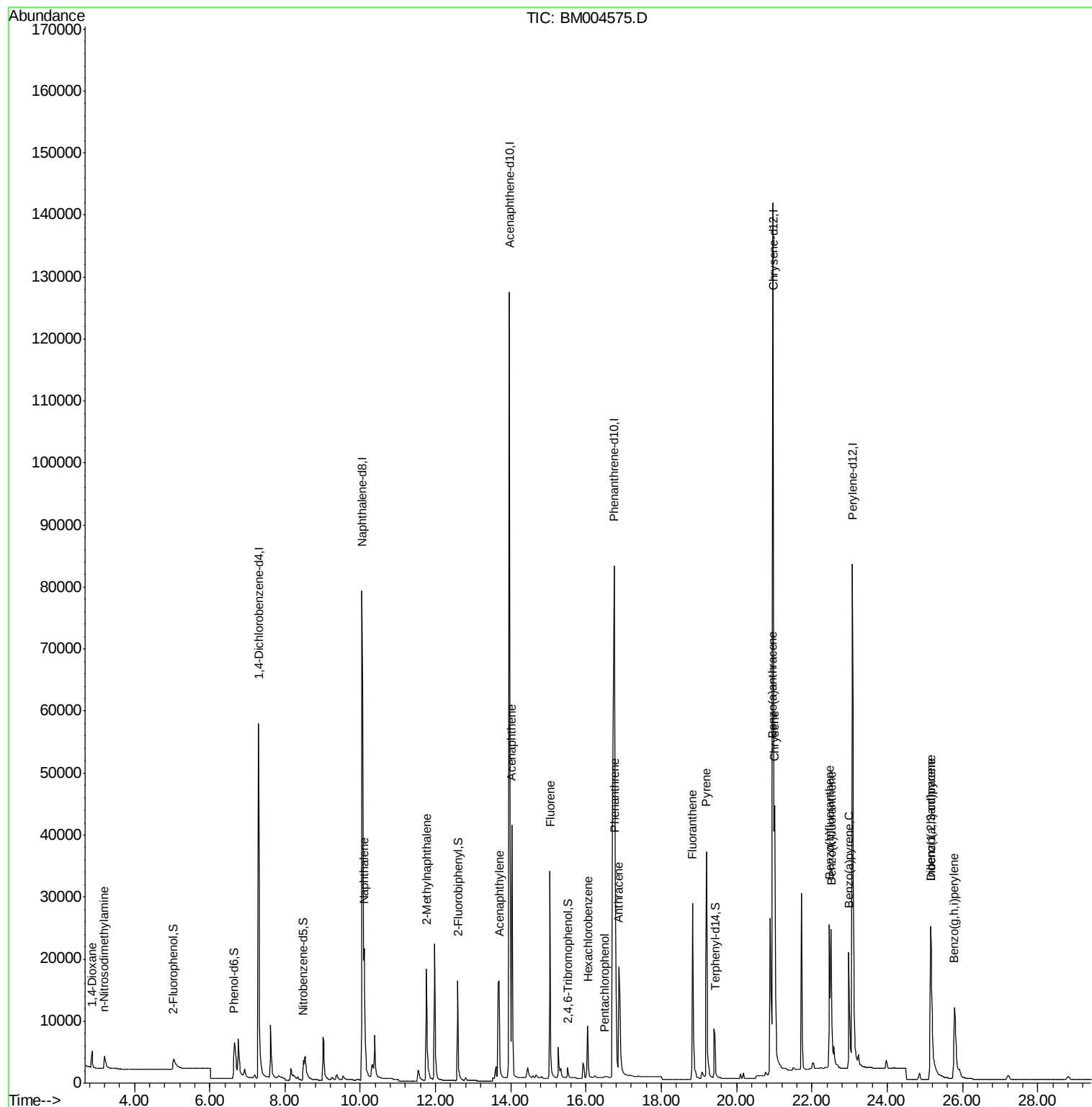
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM030816\
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ALS Vial : 4 Sample Multiplier: 1

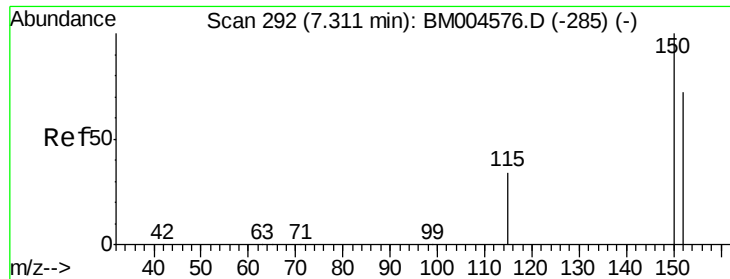
Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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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: BM004575.D

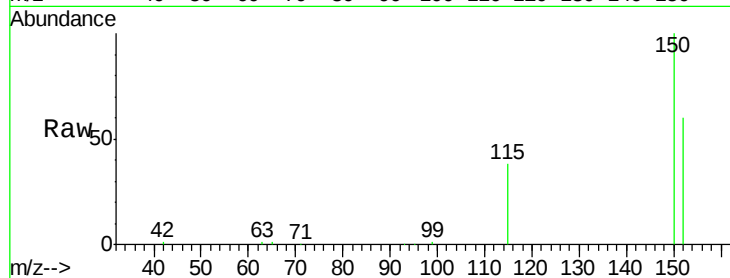
Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

ClientSampleId :

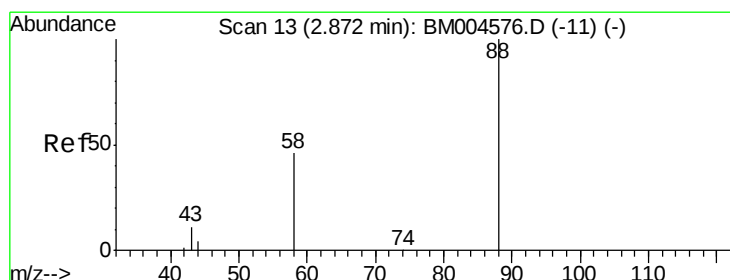
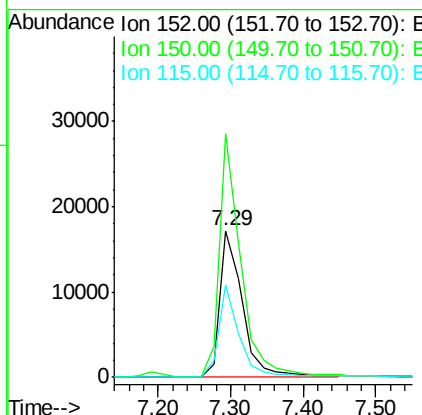
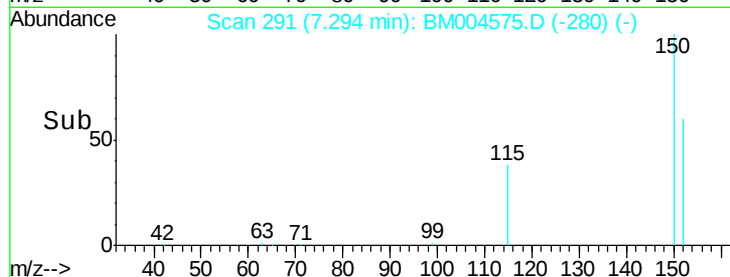
SSTDIC0.8



Tgt Ion:	152	Resp:	37107
Ion Ratio	Lower	Upper	
152	100		
150	166.2	111.9	167.9
115	63.5	37.7	56.5#

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#2

1,4-Dioxane

Concen: 0.63 ng

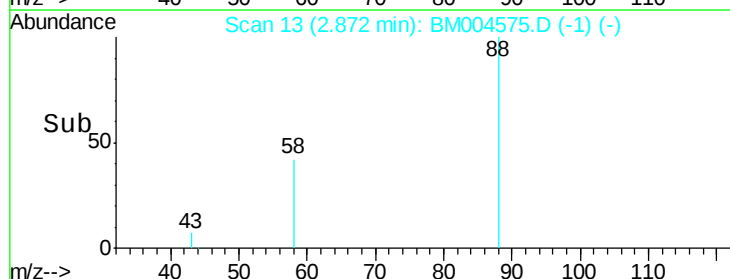
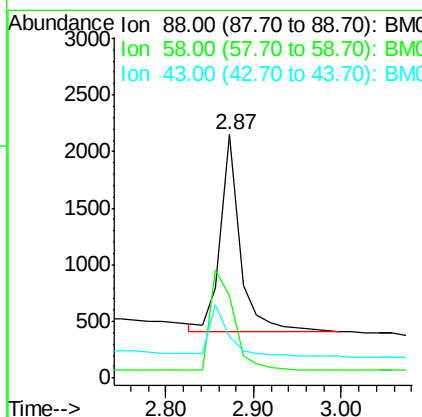
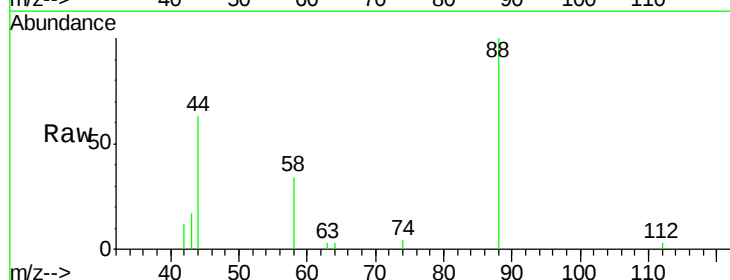
RT: 2.87 min Scan# 13

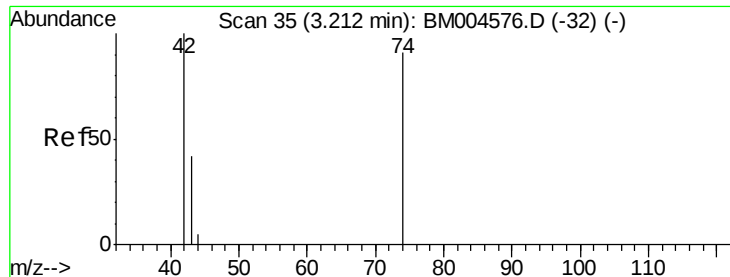
Delta R.T. -0.00 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Tgt Ion:	88	Resp:	2711
Ion Ratio	Lower	Upper	
88	100		
58	61.0	45.4	68.0
43	26.4	19.3	28.9





#3

n-Nitrosodimethylamine

Concen: 0.63 ng

RT: 3.20 min Scan# 34

Delta R.T. -0.02 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

ClientSampleId :

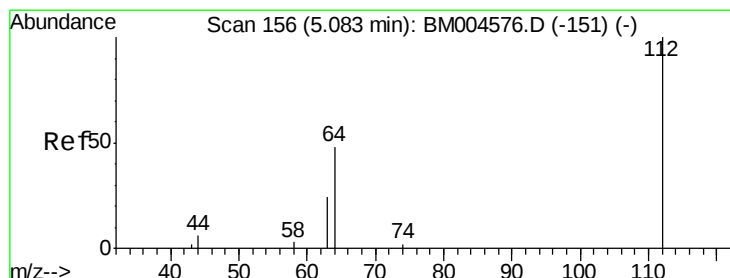
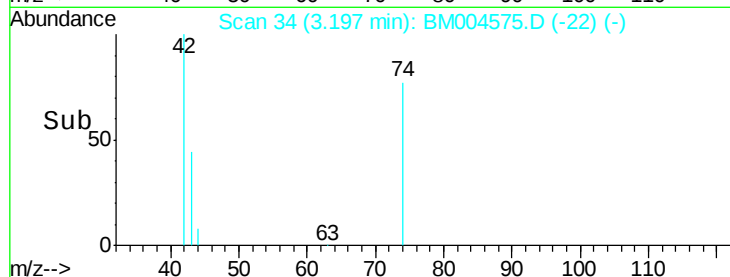
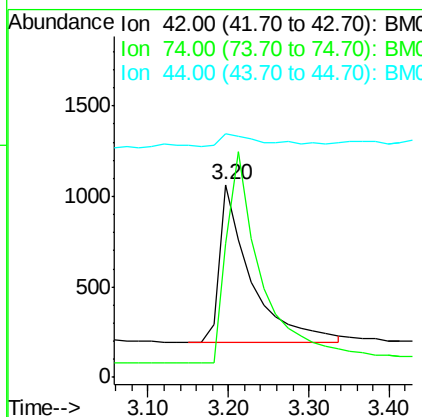
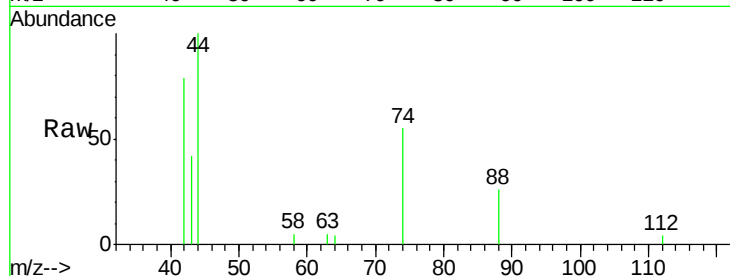
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Tgt Ion:	42	Resp:	2380
Ion	Ratio	Lower	Upper
42	100		
74	149.4	117.8	176.8
44	9.2	6.1	9.1#



#4

2-Fluorophenol

Concen: 0.63 ng m

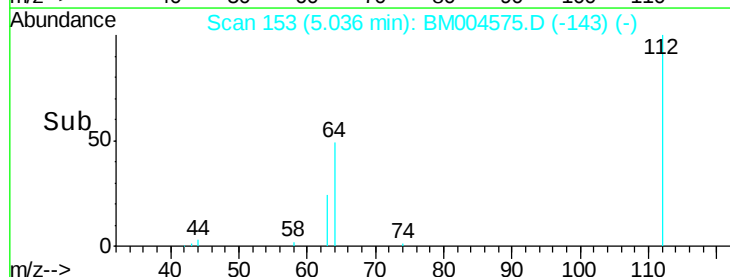
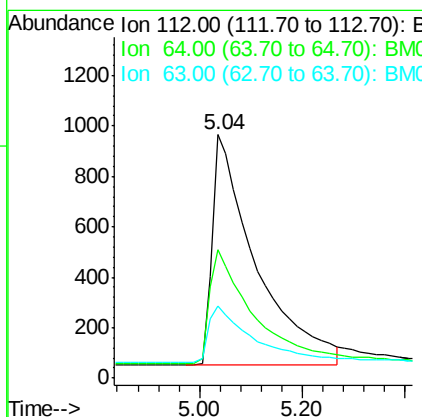
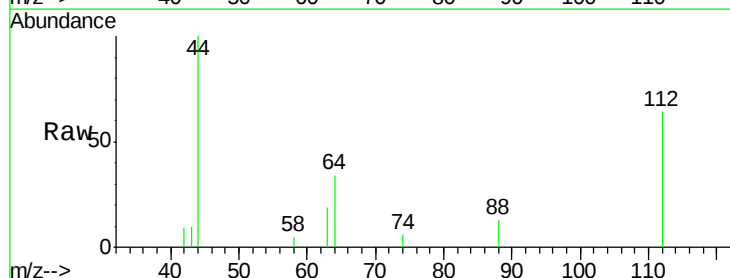
RT: 5.04 min Scan# 153

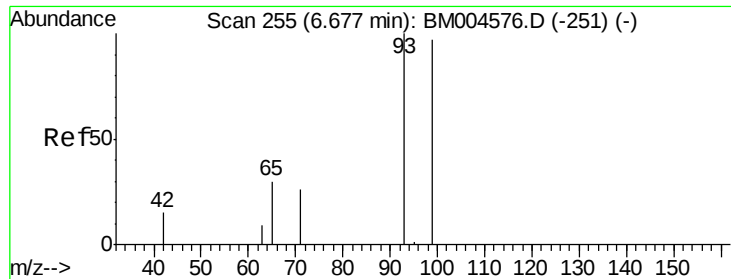
Delta R.T. -0.05 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Tgt Ion:	112	Resp:	5443
Ion	Ratio	Lower	Upper
112	100		
64	46.3	39.6	59.4
63	23.4	20.0	30.0





#5

Phenol-d6

Concen: 0.67 ng

RT: 6.64 min Scan# 253

Delta R.T. -0.03 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

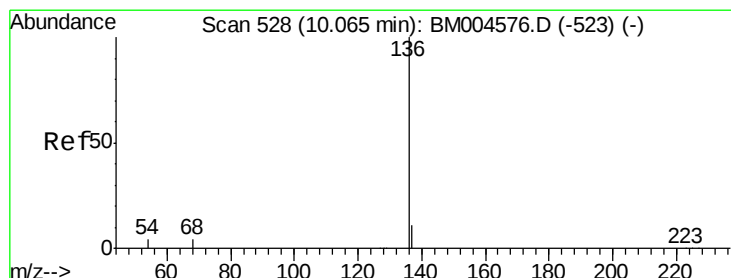
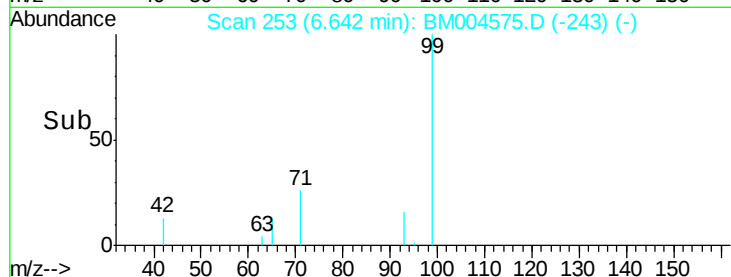
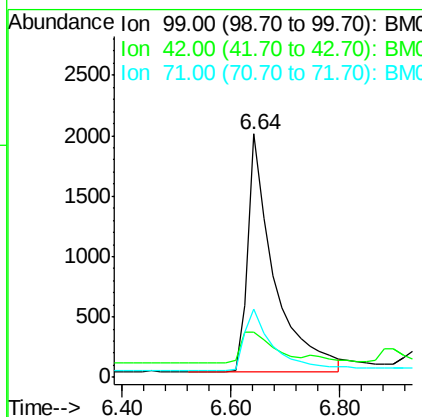
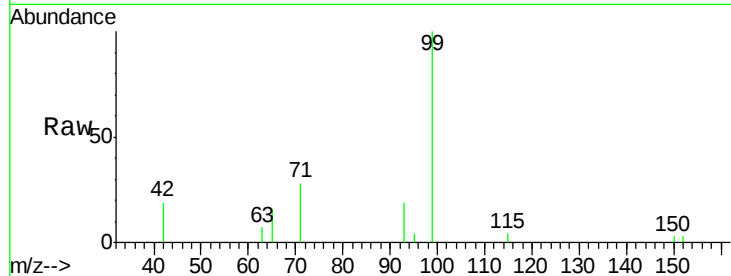
ClientSampleId :

SSTDIC0.8

Tgt Ion:	99	Resp:	6531
Ion Ratio	Lower	Upper	
99	100		
42	16.2	12.2	18.2
71	28.3	23.4	35.2

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#6

Naphthalene-d8

Concen: 5.00 ng

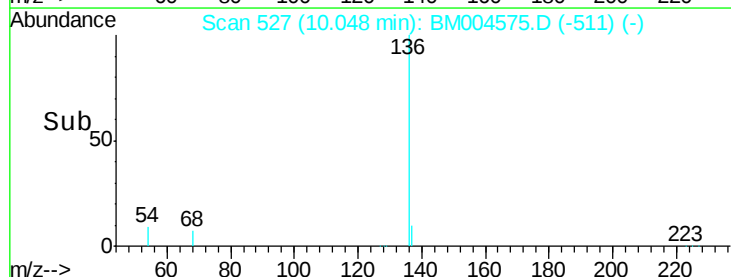
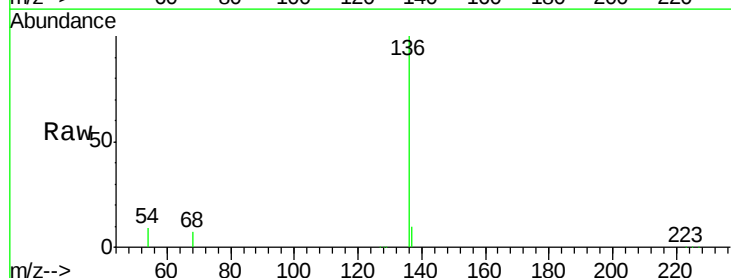
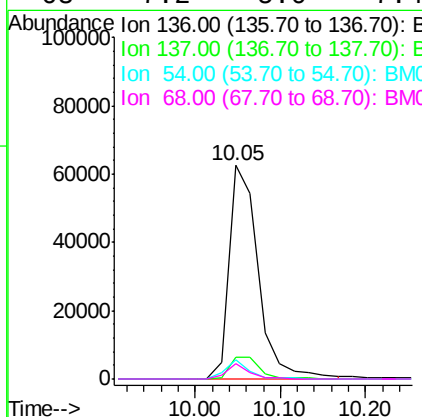
RT: 10.05 min Scan# 527

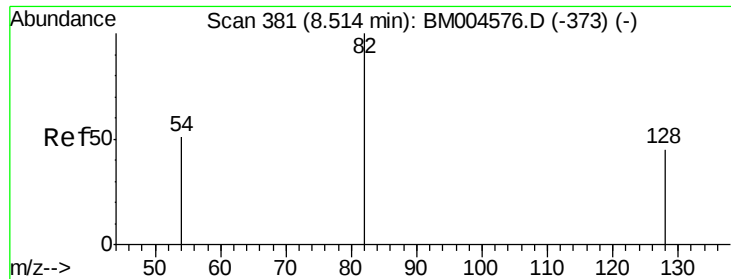
Delta R.T. -0.02 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Tgt Ion:	136	Resp:	139569
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.2	12.2
54	8.9	6.4	9.6
68	7.2	5.0	7.4





#7

Nitrobenzene-d5

Concen: 0.71 ng

RT: 8.49 min Scan# 379

Delta R.T. -0.02 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

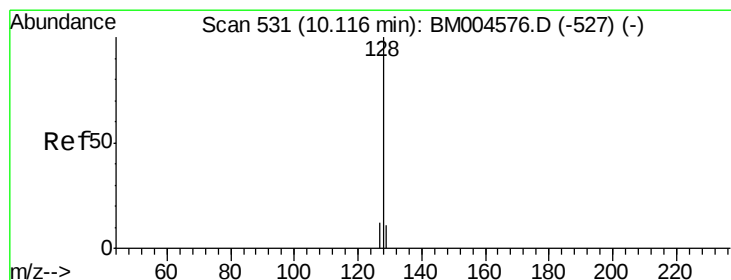
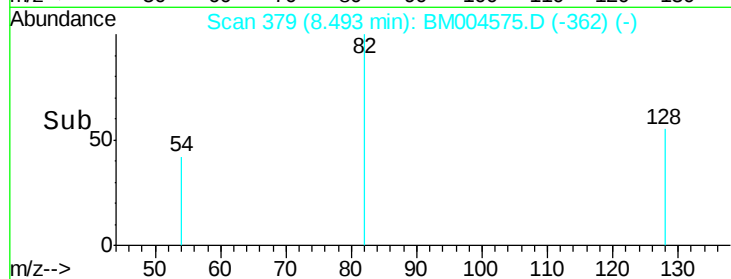
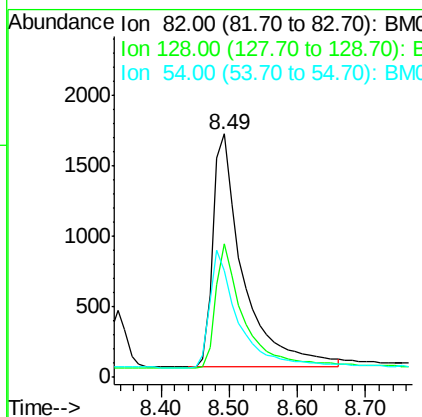
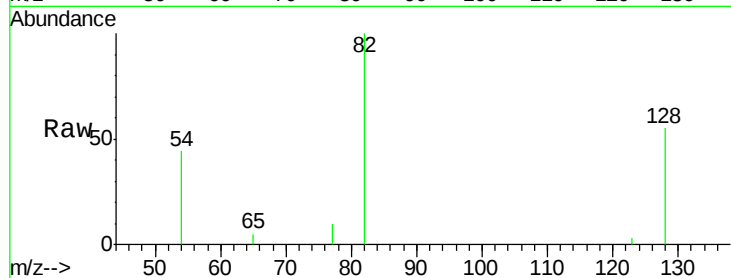
ClientSampleId :

SSTDIC0.8

Tgt Ion:	82	Resp:	5069
Ion Ratio	Lower	Upper	
82	100		
128	54.6	43.7	65.5
54	43.7	33.5	50.3

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#8

Naphthalene

Concen: 0.72 ng

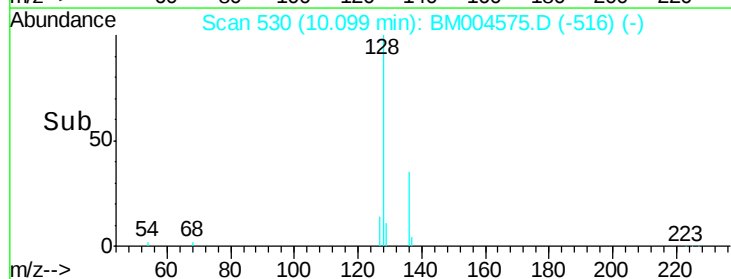
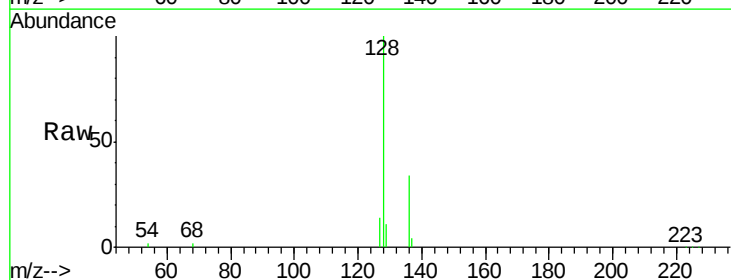
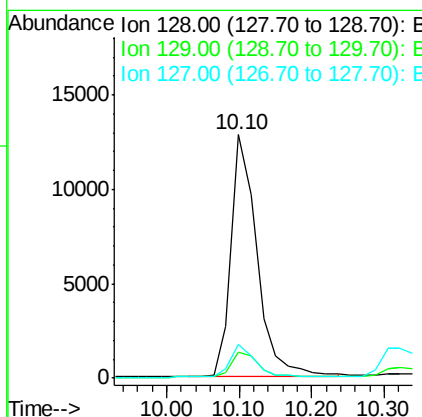
RT: 10.10 min Scan# 530

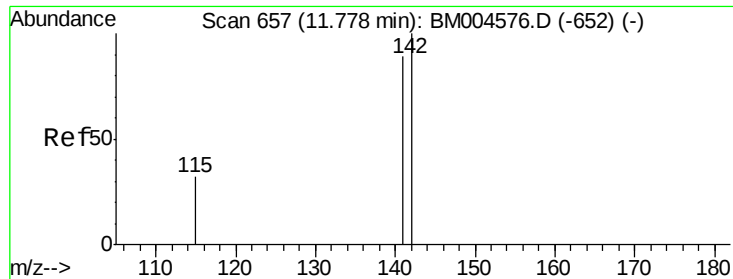
Delta R.T. -0.02 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Tgt Ion:	128	Resp:	31815
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.9	13.3
127	13.7	10.9	16.3





#9

2-Methylnaphthalene

Concen: 0.83 ng

RT: 11.75 min Scan# 654

Delta R.T. -0.02 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

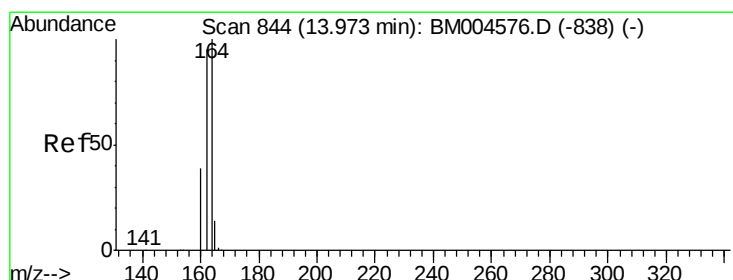
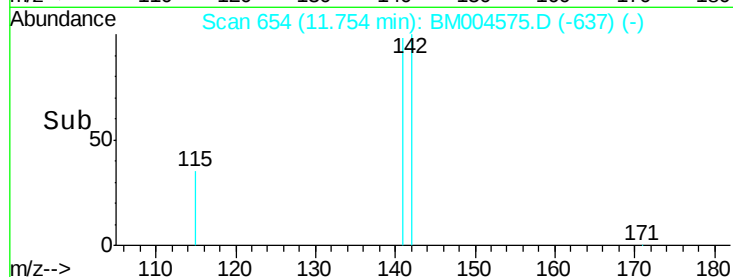
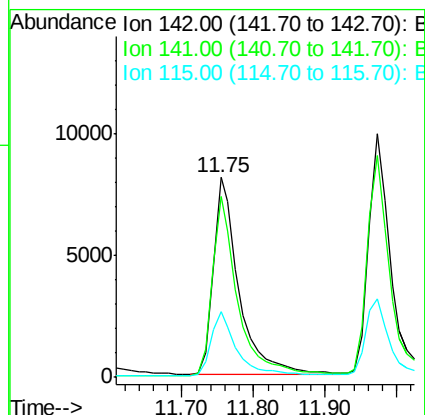
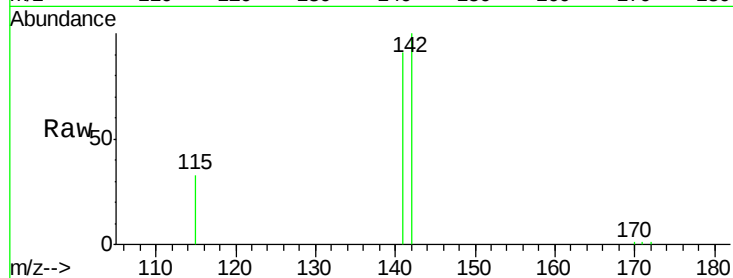
ClientSampleId :

SSTDIC0.8

Tgt Ion:	142	Resp:	20220
Ion Ratio	Lower	Upper	
142	100		
141	90.6	70.2	105.2
115	33.1	25.8	38.6

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#10

Acenaphthene-d10

Concen: 5.00 ng

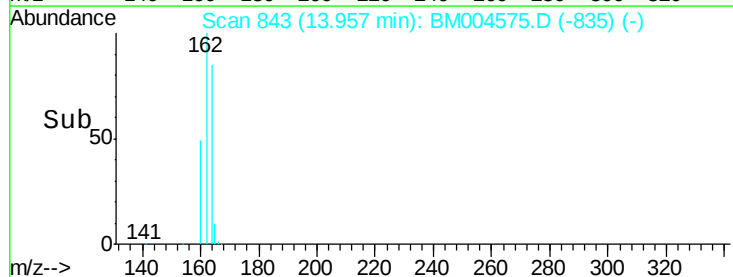
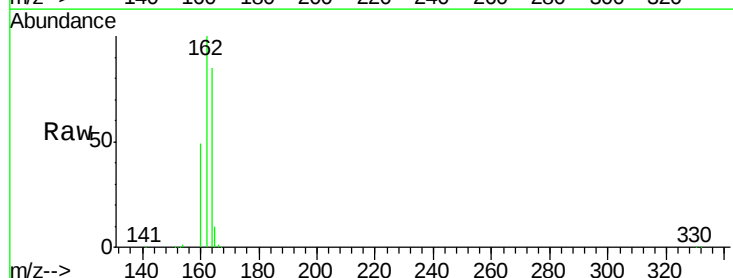
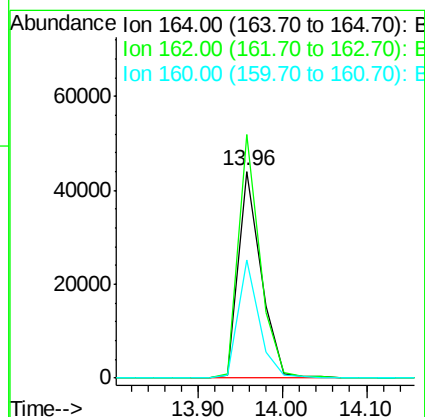
RT: 13.96 min Scan# 843

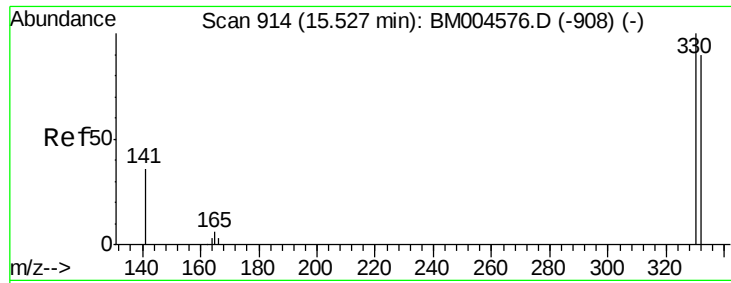
Delta R.T. -0.02 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Tgt Ion:	164	Resp:	81696
Ion Ratio	Lower	Upper	
164	100		
162	117.6	84.2	126.4
160	57.2	37.4	56.2#





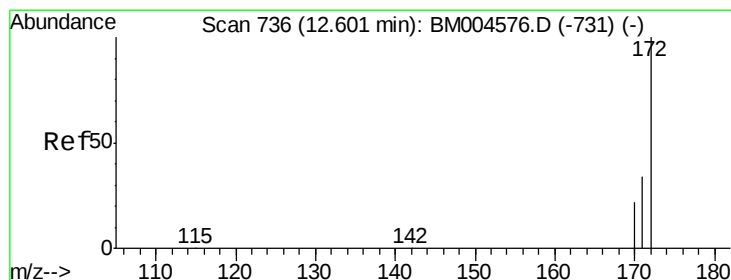
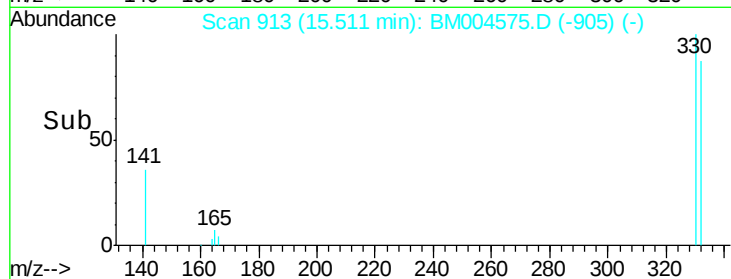
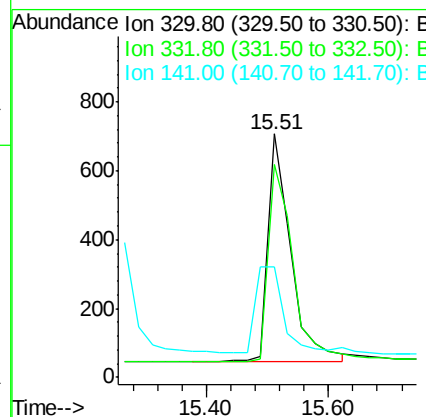
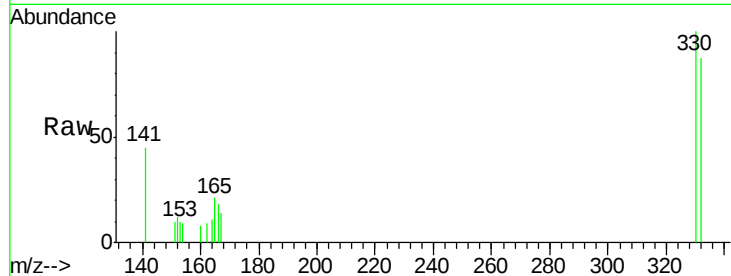
#11
 2,4,6-Tribromophenol
 Concen: 0.54 ng
 RT: 15.51 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.1	114.1
141	0.0	16.0	24.0

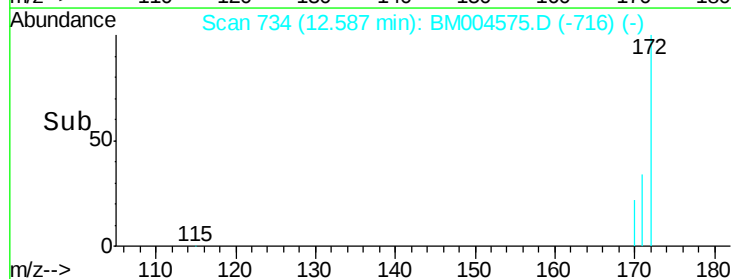
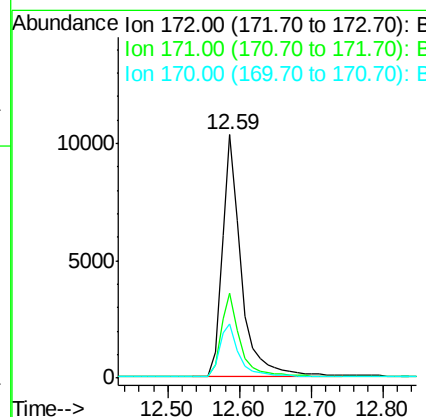
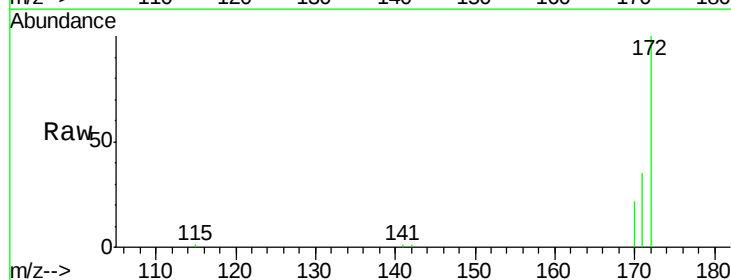
Manual Integrations
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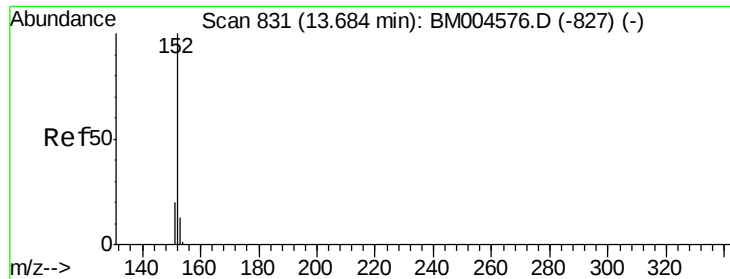
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#12
 2-Fluorobiphenyl
 Concen: 0.77 ng
 RT: 12.59 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.2	43.8
170	22.2	19.7	29.5





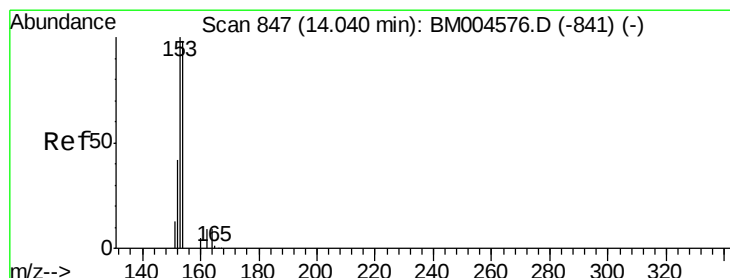
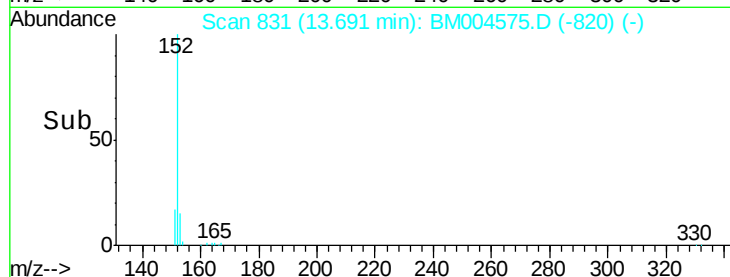
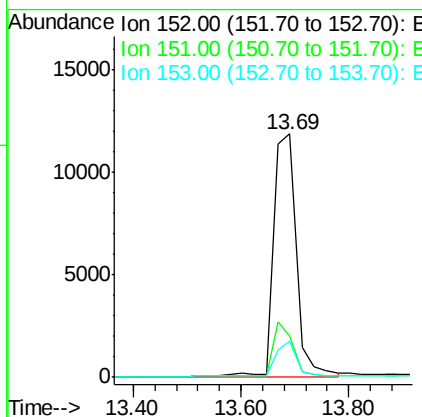
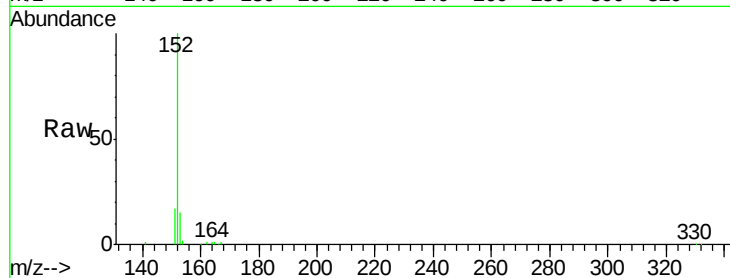
#13
Acenaphthylene
Concen: 0.73 ng
RT: 13.69 min Scan# 831
Delta R.T. 0.01 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.8	23.6#
153	15.3	10.2	15.4

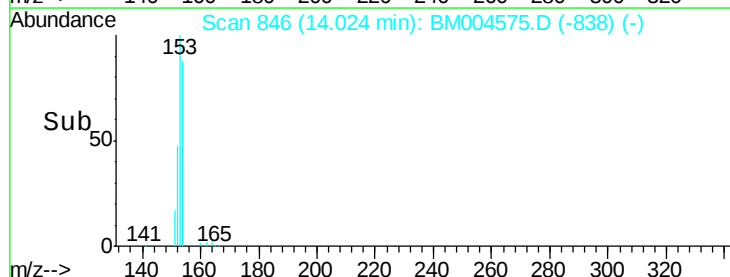
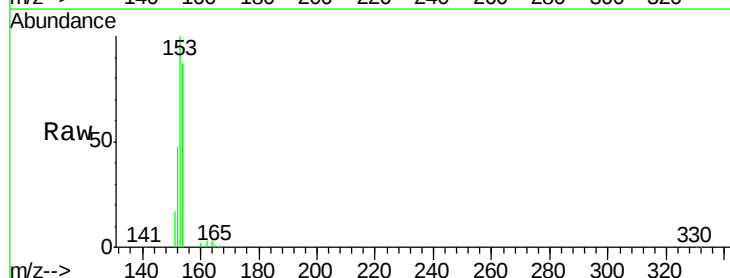
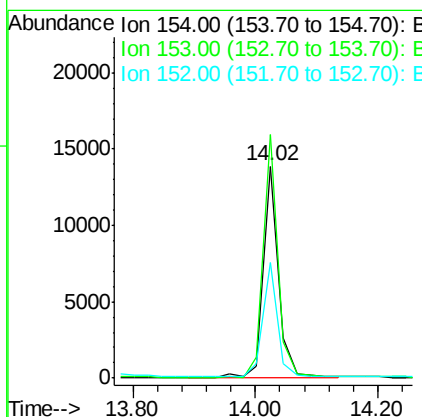
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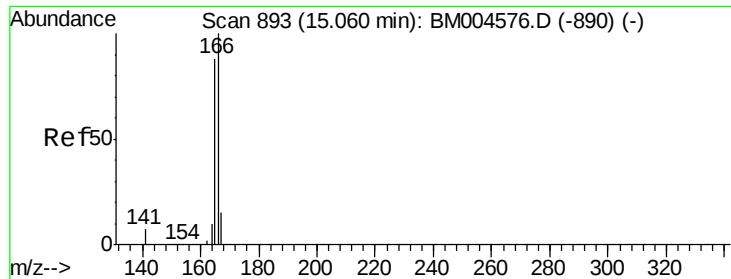
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#14
Acenaphthene
Concen: 0.78 ng
RT: 14.02 min Scan# 846
Delta R.T. -0.02 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.0	132.0
152	52.3	41.1	61.7





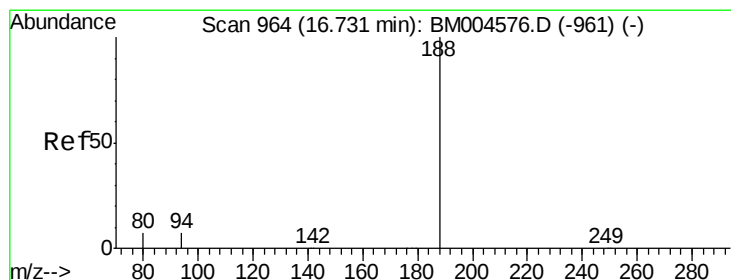
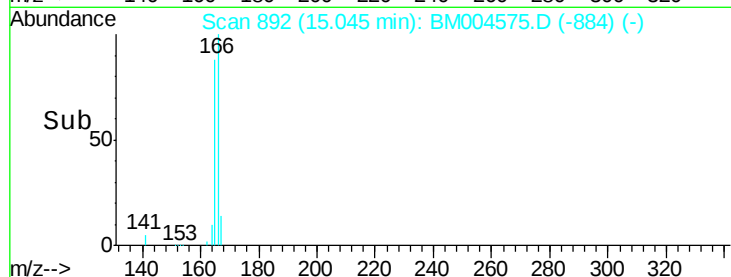
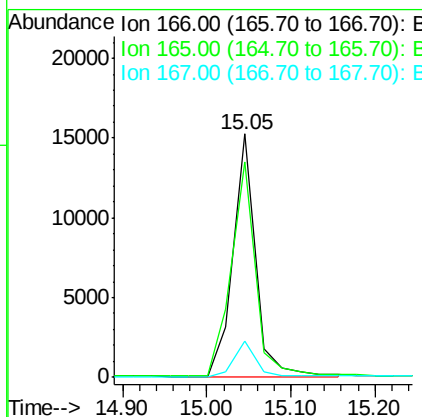
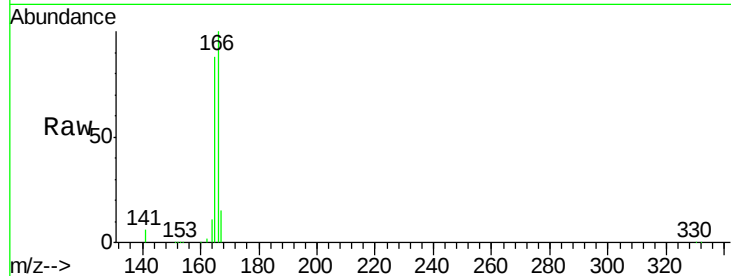
#15
Fluorene
 Concen: 0.75 ng
 RT: 15.05 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.2	77.2	115.8
167	13.7	10.9	16.3

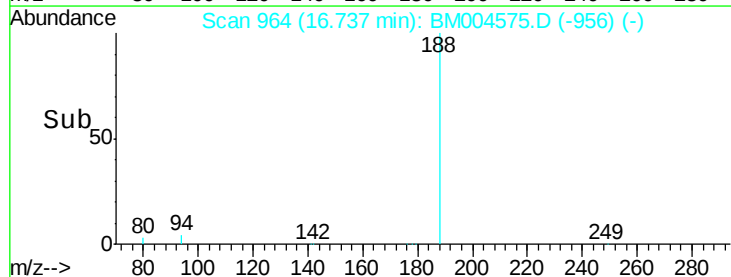
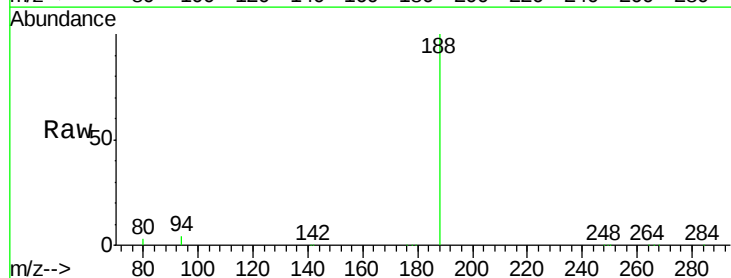
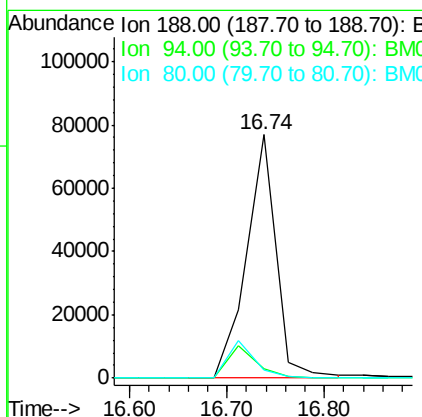
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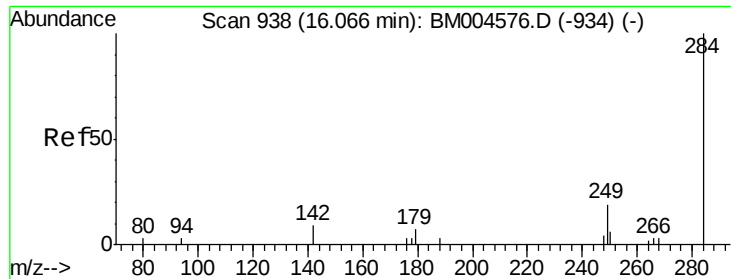
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#16
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.74 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.7	7.4	11.0#
80	3.2	6.9	10.3#





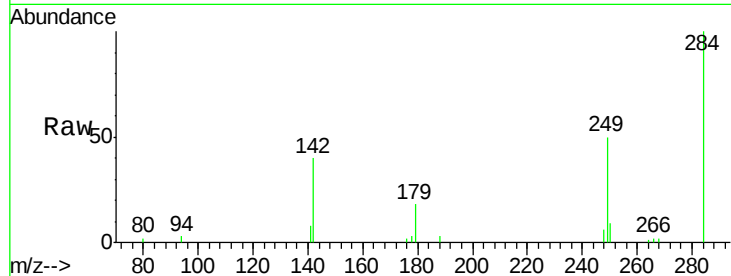
#17
Hexachlorobenzene
Concen: 0.81 ng
RT: 16.05 min Scan# 937
Delta R.T. -0.02 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

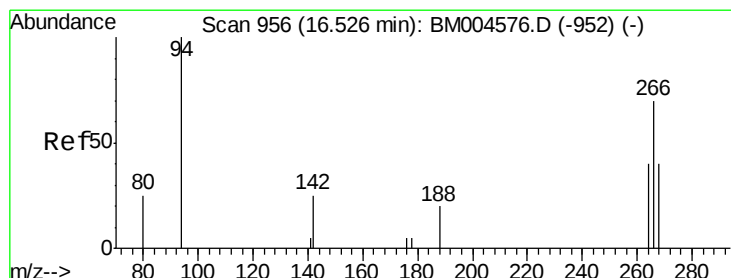
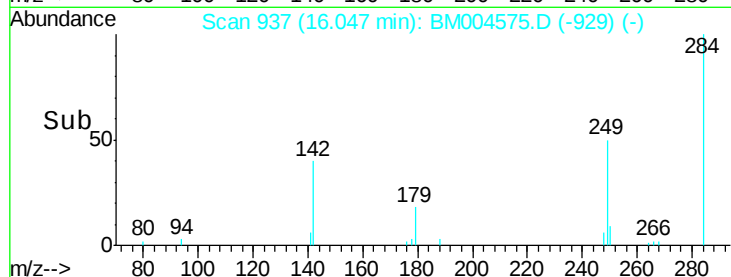
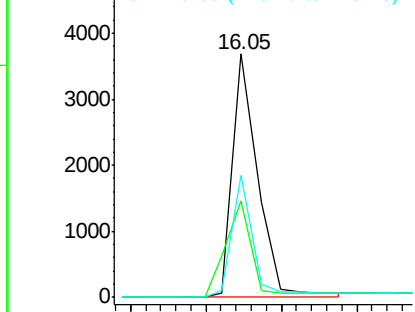
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	43.4	20.8	31.2#
249	44.6	24.0	36.0#

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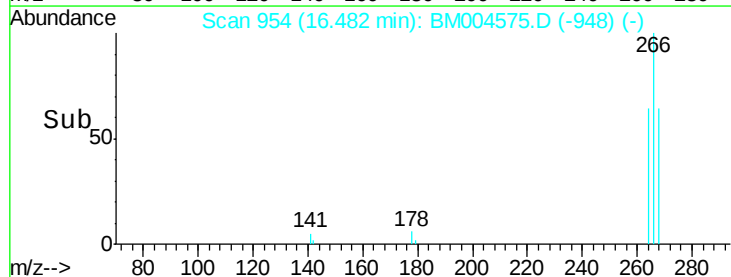
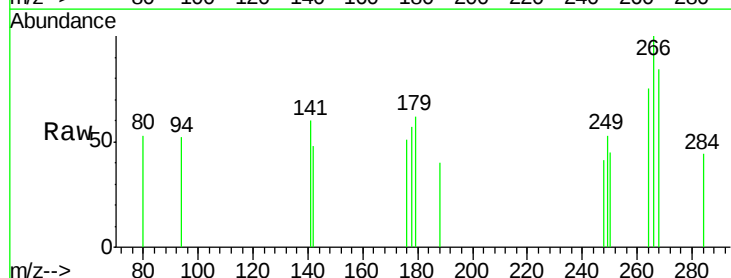
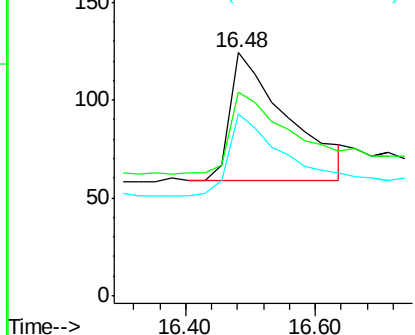
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

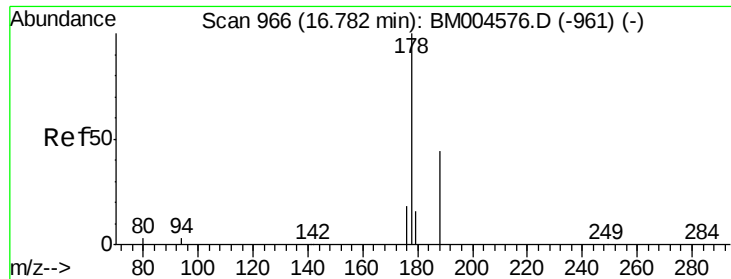


#18
Pentachlorophenol
Concen: 0.16 ng
RT: 16.48 min Scan# 954
Delta R.T. -0.04 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	83.9	60.7	91.1
264	75.0	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





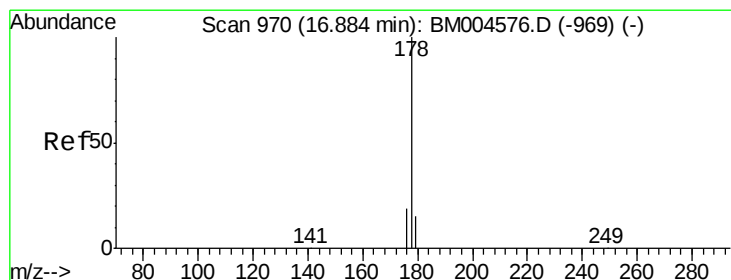
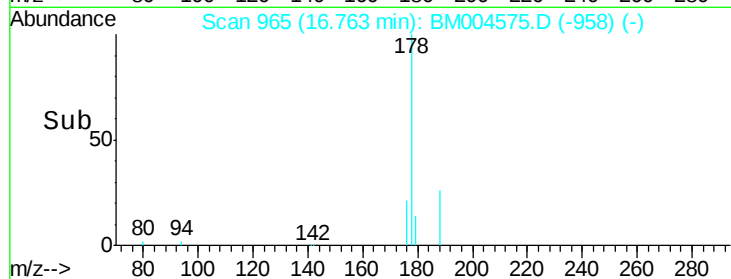
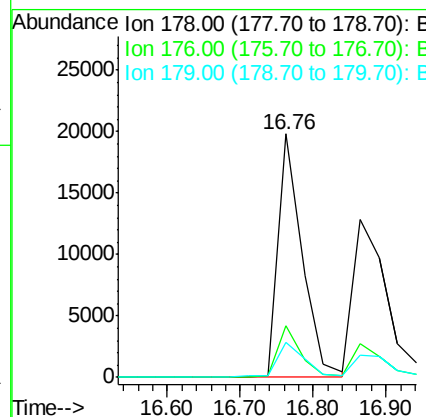
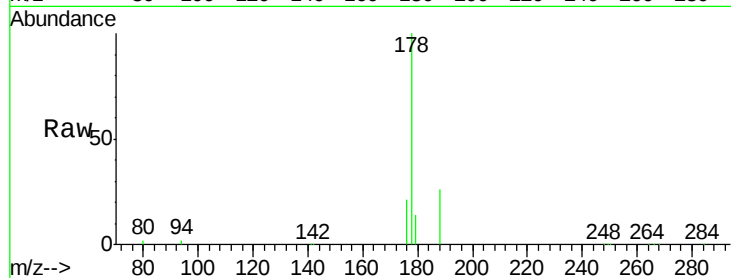
#19
Phenanthrene
Concen: 0.79 ng
RT: 16.76 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.7	22.1
179	15.2	12.9	19.3

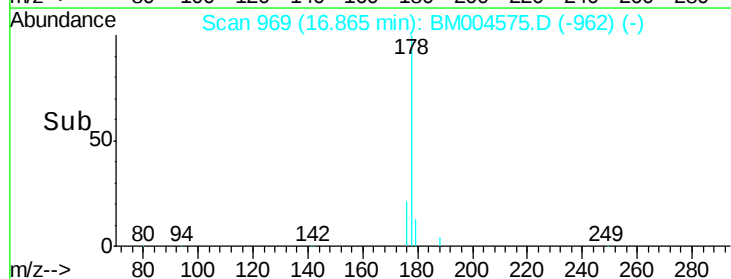
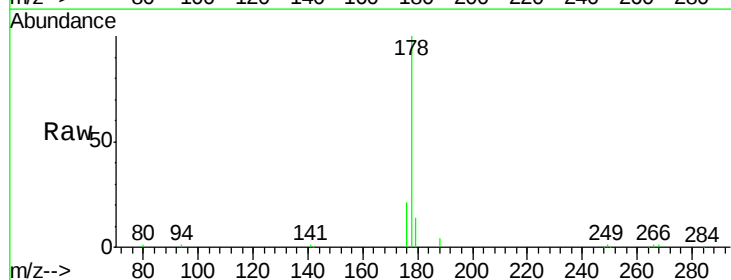
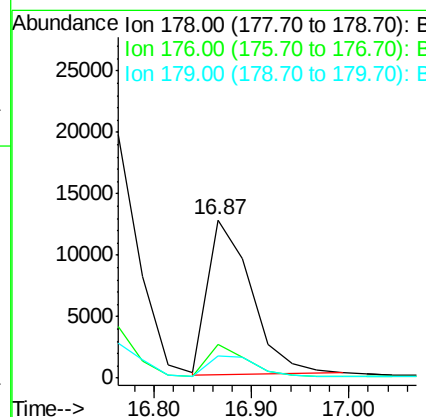
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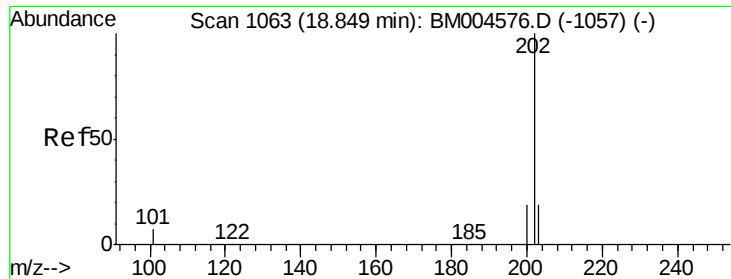
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#20
Anthracene
Concen: 0.80 ng
RT: 16.87 min Scan# 969
Delta R.T. -0.02 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	14.5	13.6	20.4





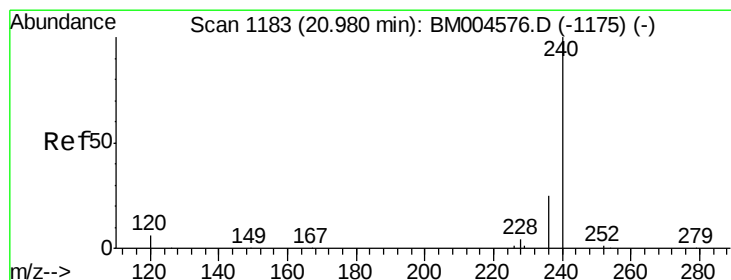
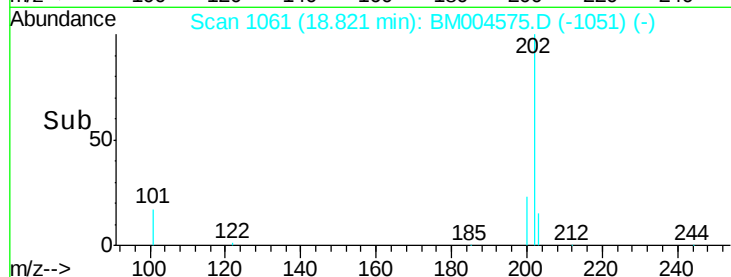
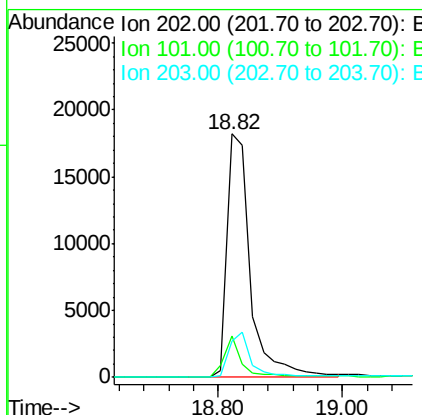
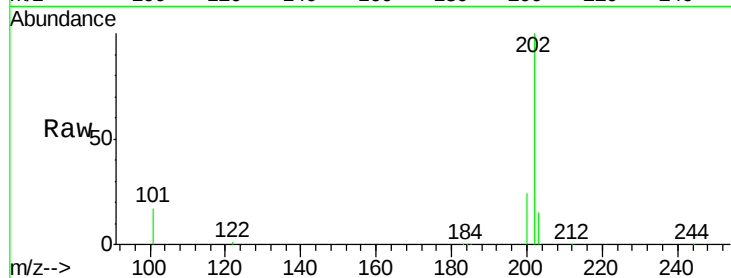
#21
 Fluoranthene
 Concen: 0.76 ng
 RT: 18.82 min Scan# 1061
 Delta R.T. -0.03 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.4	14.2
203	17.2	13.9	20.9

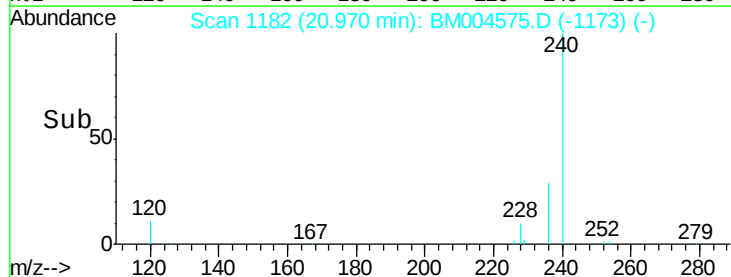
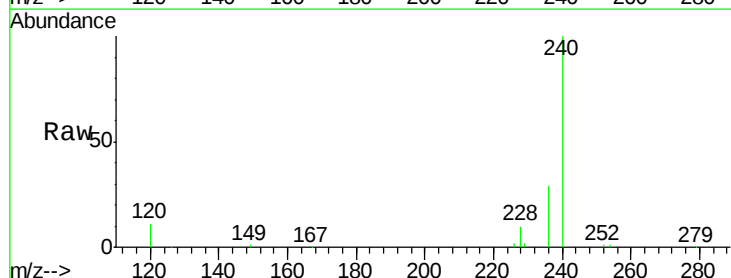
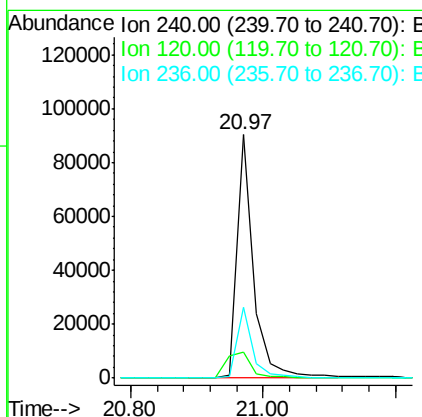
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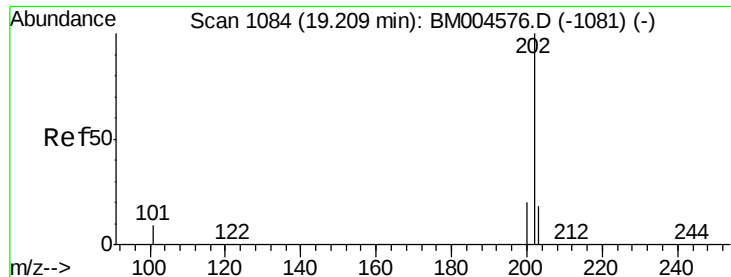
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#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 20.97 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	6.1	9.1#
236	29.3	22.6	34.0





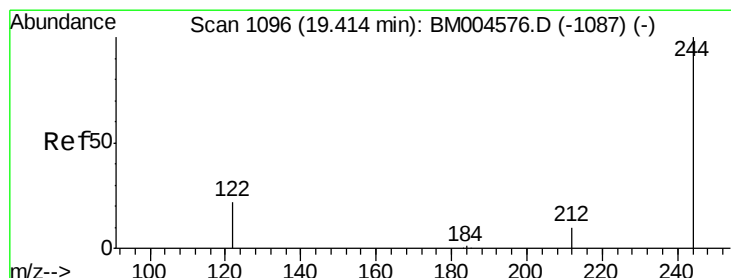
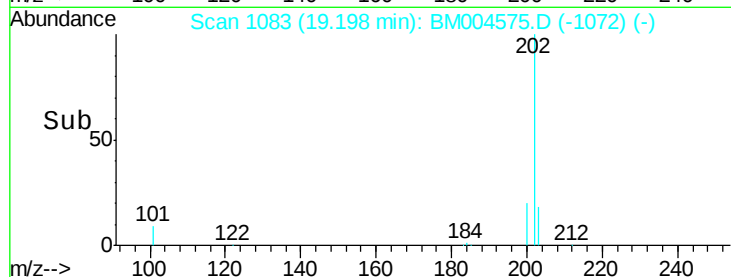
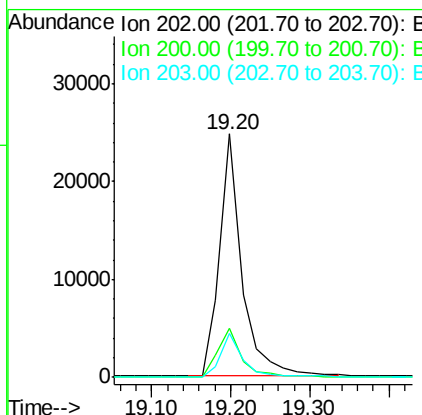
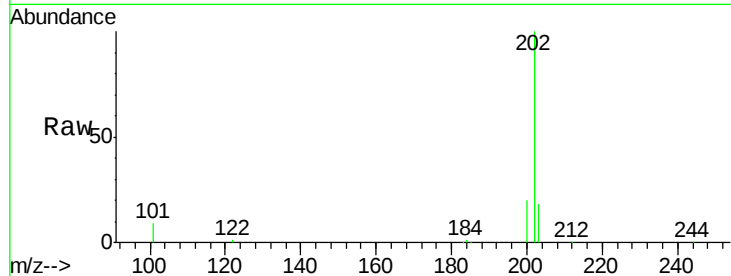
#23
 Pyrene
 Concen: 0.78 ng
 RT: 19.20 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	16.6	24.8
203	17.4	14.1	21.1

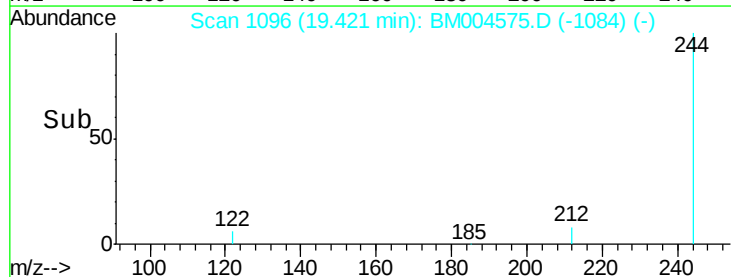
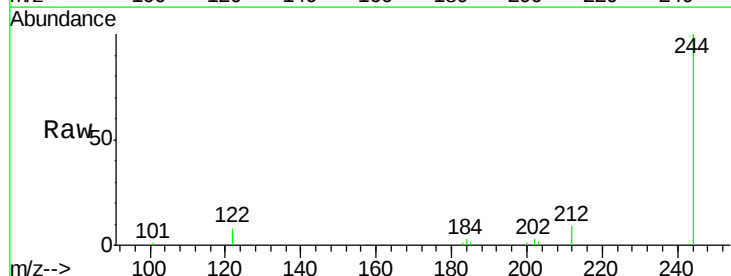
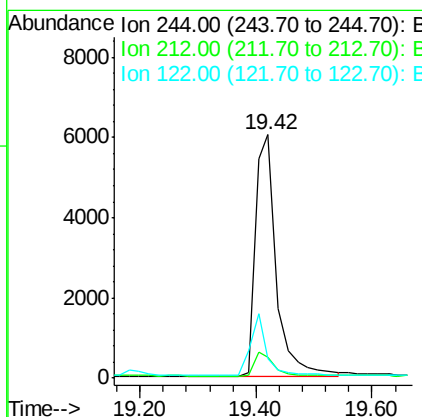
Manual Integrations
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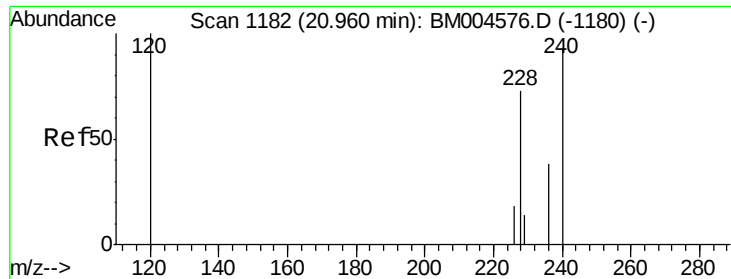
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#24
 Terphenyl-d14
 Concen: 0.75 ng
 RT: 19.42 min Scan# 1096
 Delta R.T. 0.01 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.8	7.5	11.3
122	7.9	4.2	6.2#





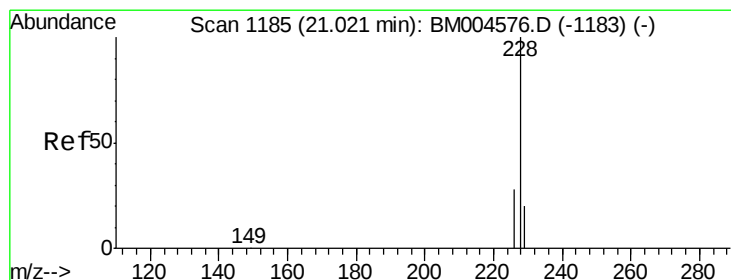
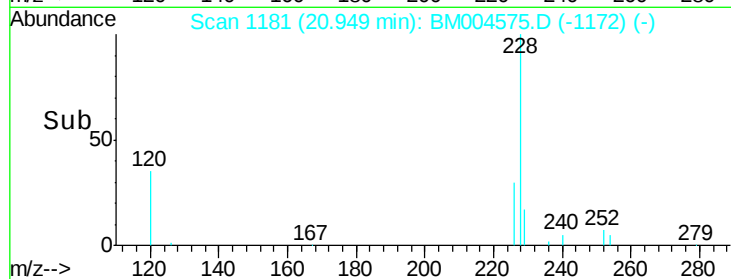
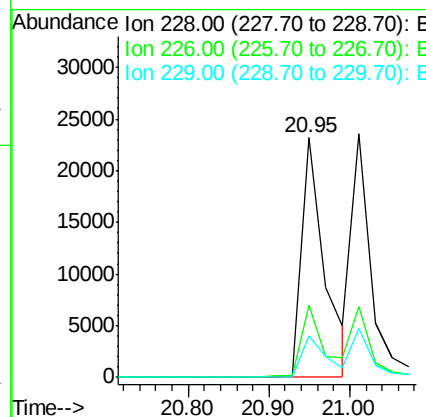
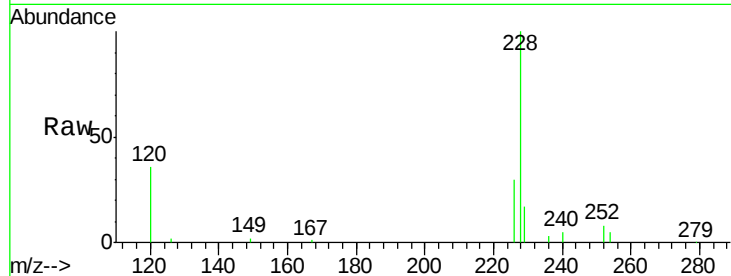
#25
Benzo(a)anthracene
Concen: 0.78 ng
RT: 20.95 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.8	34.2
229	17.1	14.6	22.0

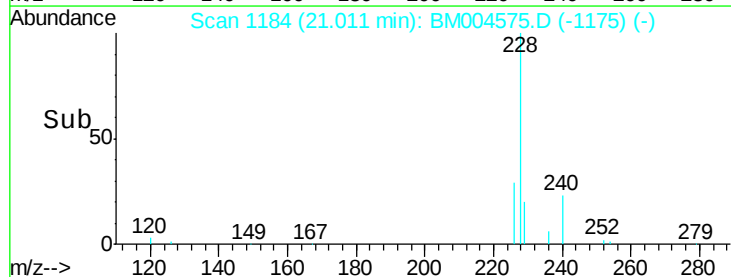
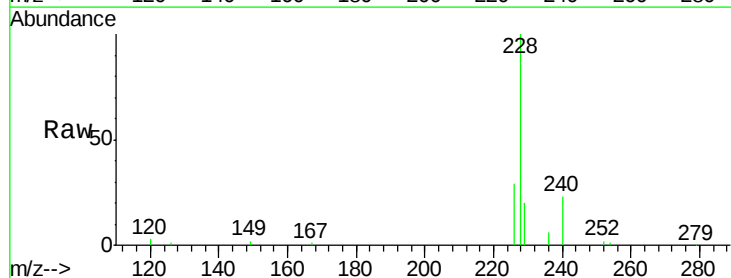
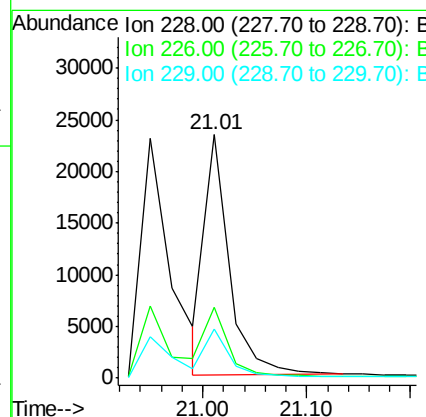
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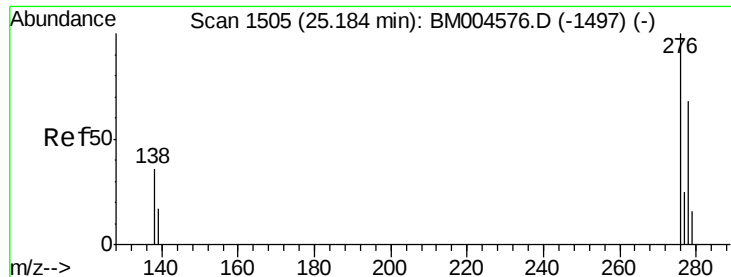
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#26
Chrysene
Concen: 0.32 ng
RT: 21.01 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.4	32.2
229	20.2	17.1	25.7





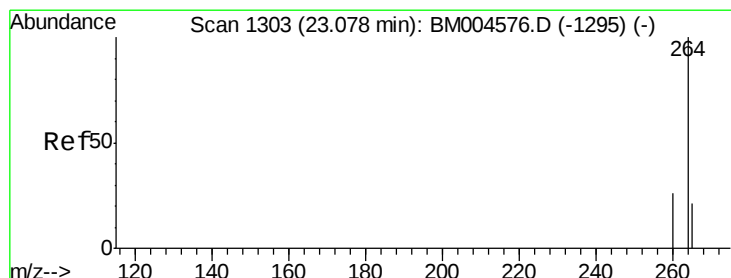
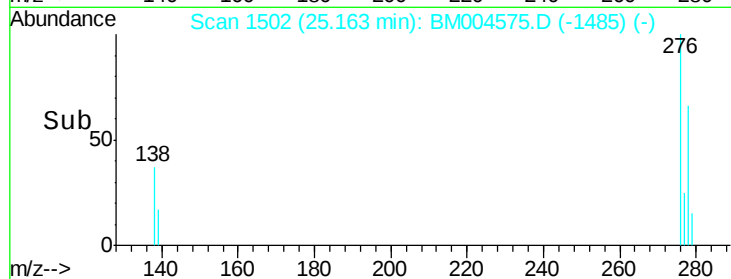
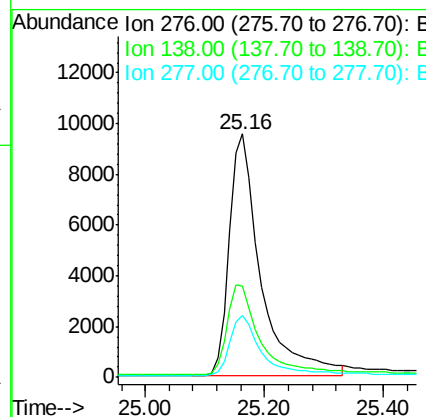
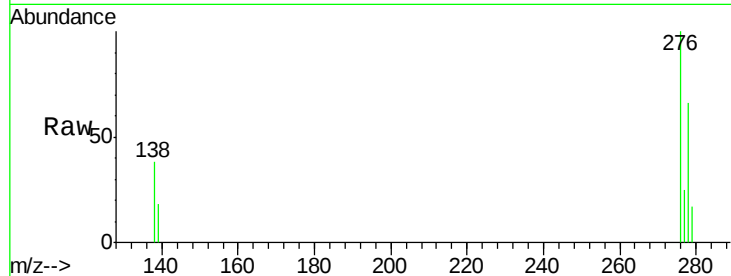
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.65 ng
 RT: 25.16 min Scan# 1502
 Delta R.T. -0.02 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	34995		
138	39.2	30.4	45.6	
277	24.7	19.8	29.8	

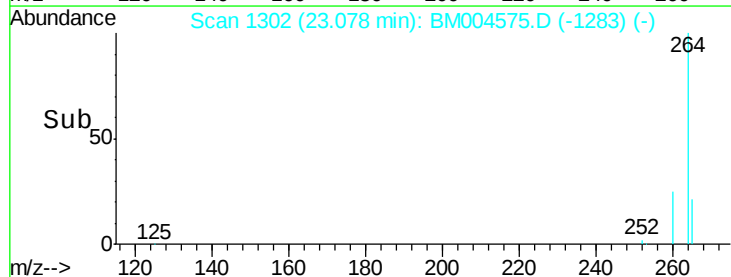
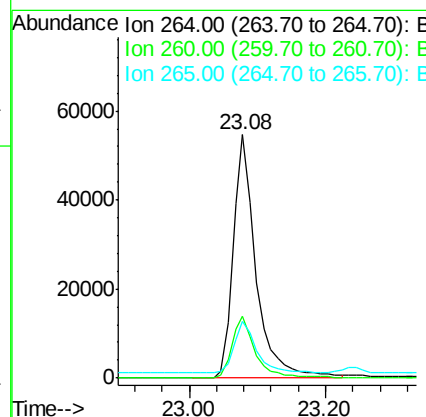
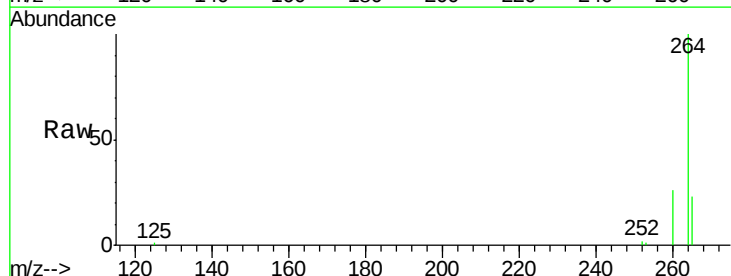
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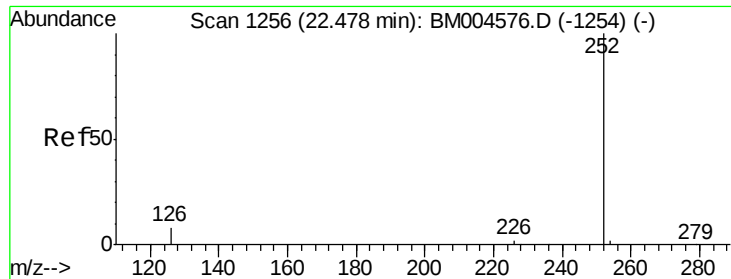
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.08 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: BM004575.D
 Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	125970		
260	25.5	19.8	29.6	
265	23.3	18.9	28.3	





#29

Benzo(b)fluoranthene

Concen: 0.78 ng m

RT: 22.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

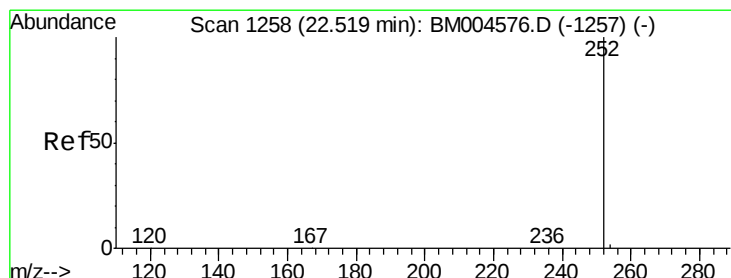
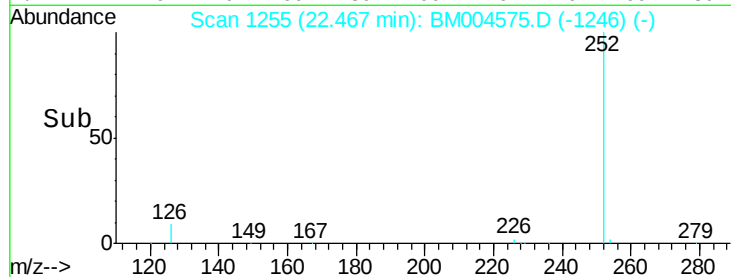
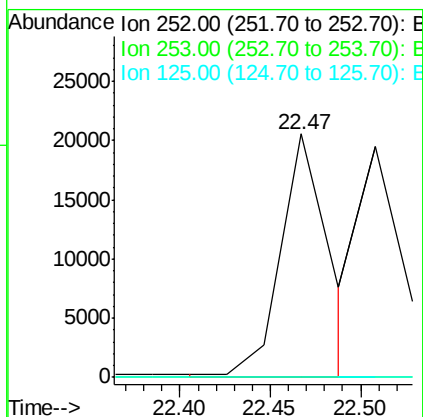
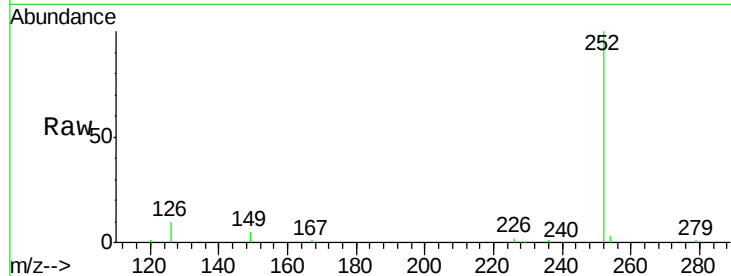
ClientSampleId :

SSTDICC0.8

Tgt Ion:	252	Resp:	38214
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: 0.82 ng m

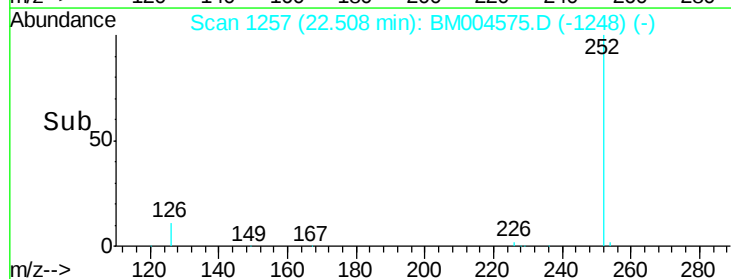
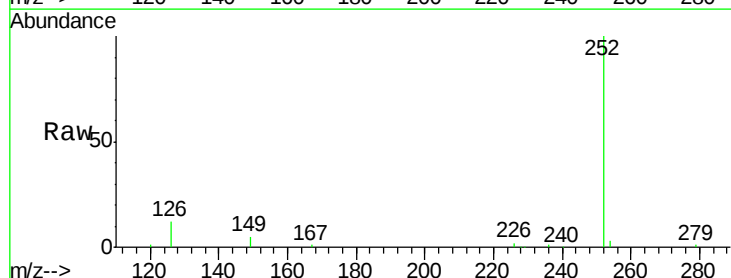
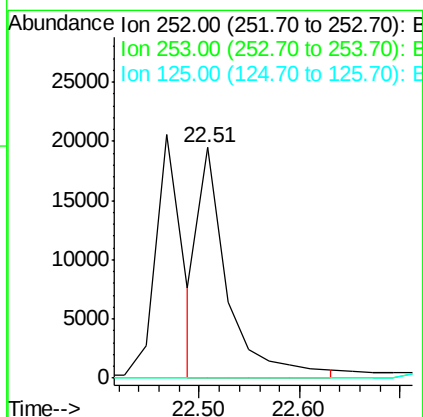
RT: 22.51 min Scan# 1257

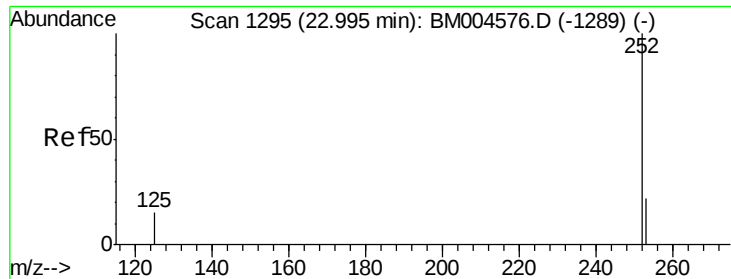
Delta R.T. -0.01 min

Lab File: BM004575.D

Acq: 08 Mar 2016 11:33

Tgt Ion:	252	Resp:	39745
Ion Ratio		Lower	Upper
252	100		
253	0.0	18.3	27.5#
125	0.0	12.2	18.4#





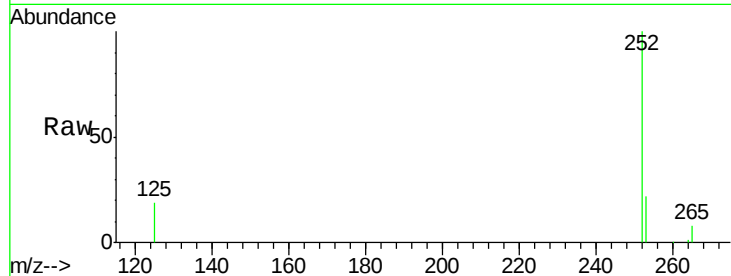
#31
Benzo(a)pyrene
Concen: 0.78 ng
RT: 22.98 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.8

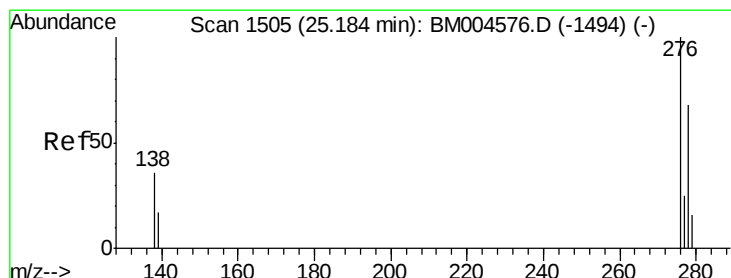
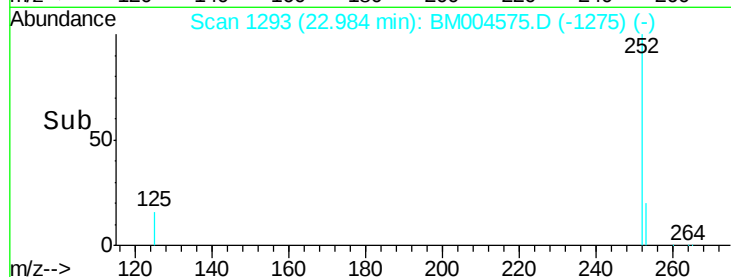
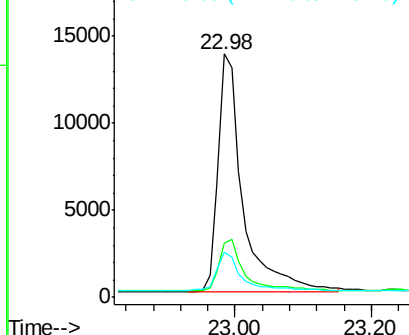
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	18.7	14.3	21.5

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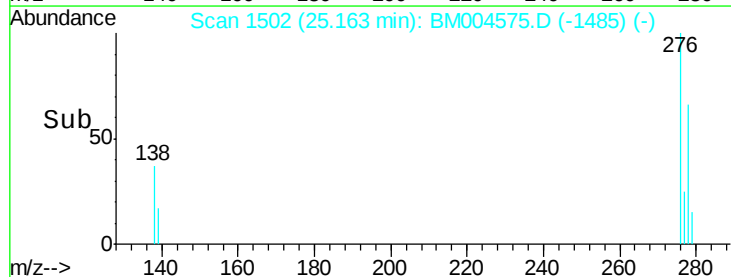
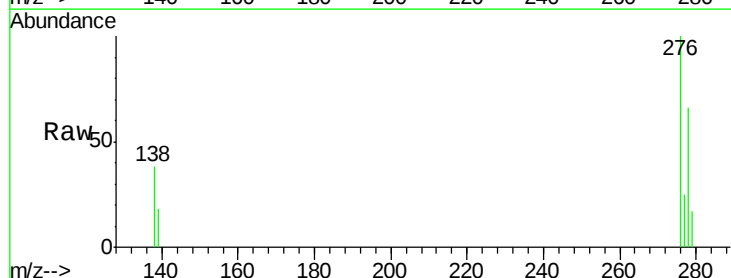
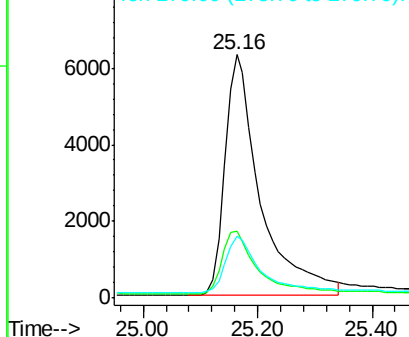
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

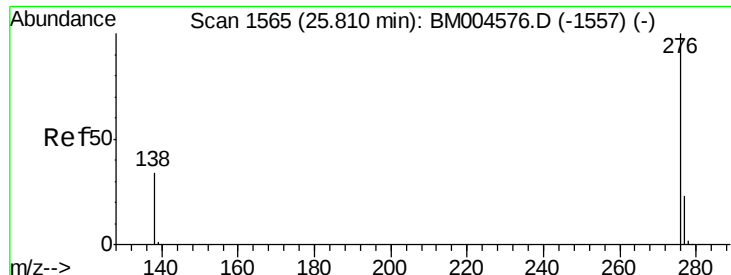


#32
Dibenzo(a,h)anthracene
Concen: 0.70 ng
RT: 25.16 min Scan# 1502
Delta R.T. -0.02 min
Lab File: BM004575.D
Acq: 08 Mar 2016 11:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	21.2	31.8
279	25.2	19.6	29.4

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





#33

Benzo(g,h,i)perylene

Concen: 0.72 ng

RT: 25.79 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BM004575.D

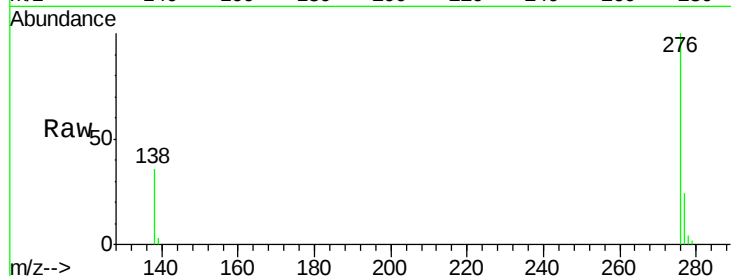
Acq: 08 Mar 2016 11:33

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.8



Tgt Ion: 276 Resp: 30709

Ion Ratio Lower Upper

276 100

277 23.6 19.6 29.4

138 35.5 26.2 39.2

Manual Integrations

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