

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
 Data File : BM004683.D
 Acq On : 18 Mar 2016 15:18
 Operator : UM/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Manual Integrations
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 3/21/2016 2:42:55 PM

Quant Time: Mar 19 02:29:57 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 19 01:55:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	30693	5.00	ng	0.00
6) Naphthalene-d8	10.63	136	124897	5.00	ng	0.00
10) Acenaphthene-d10	14.46	164	68786	5.00	ng	0.00
16) Phenanthrene-d10	17.22	188	122820	5.00	ng	0.00
22) Chrysene-d12	21.39	240	141249	5.00	ng	0.00
28) Perylene-d12	23.69	264	121218	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	10790	1.52	ng	0.00
5) Phenol-d6	6.99	99	13040	1.50	ng	0.00
7) Nitrobenzene-d5	8.99	82	9083	1.51	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	3353m	1.48	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	30086	1.53	ng	0.00
24) Terphenyl-d14	19.84	244	26131	1.46	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	4320	1.43	ng	94
3) n-Nitrosodimethylamine	3.66	42	4807	1.52	ng	98
8) Naphthalene	10.66	128	50409	1.47	ng	99
9) 2-Methylnaphthalene	12.29	142	32798	1.52	ng	99
13) Acenaphthylene	14.17	152	53049	1.50	ng	100
14) Acenaphthene	14.53	154	35415	1.51	ng	100
15) Fluorene	15.53	166	39175	1.49	ng	# 100
17) Hexachlorobenzene	16.53	284	11897	1.57	ng	# 100
18) Pentachlorophenol	16.86	266	6255	1.51	ng	99
19) Phenanthrene	17.24	178	77658	1.58	ng	99
20) Anthracene	17.34	178	53593	1.53	ng	100
21) Fluoranthene	19.28	202	71064	1.53	ng	100
23) Pyrene	19.64	202	75753	1.46	ng	100
25) Benzo(a)anthracene	21.37	228	85924	1.52	ng	99
26) Chrysene	21.43	228	60062	1.42	ng	99
27) Indeno(1,2,3-cd)pyrene	26.02	276	71506	1.51	ng	99
29) Benzo(b)fluoranthene	22.99	252	66807	1.52	ng	97
30) Benzo(k)fluoranthene	23.05	252	67760	1.55	ng	97
31) Benzo(a)pyrene	23.59	252	63215	1.53	ng	96
32) Dibenzo(a,h)anthracene	26.04	278	57671	1.56	ng	97
33) Benzo(g,h,i)perylene	26.73	276	60208	1.33	ng	98

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

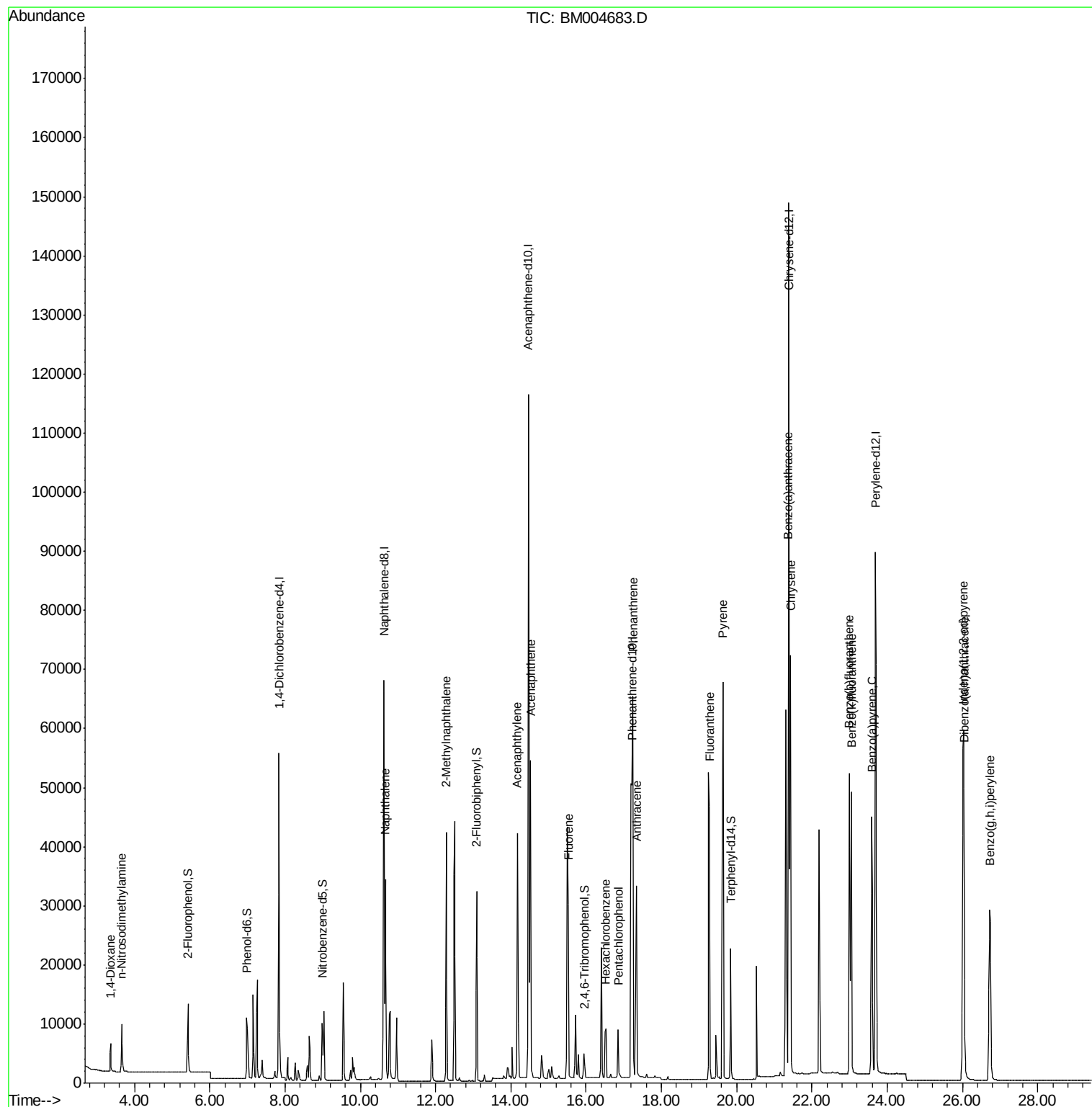
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
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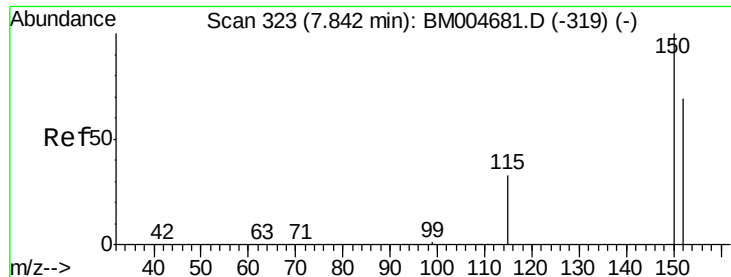
Instrument :
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Quant Time: Mar 19 02:29:57 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 19 01:55:29 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM004683.D

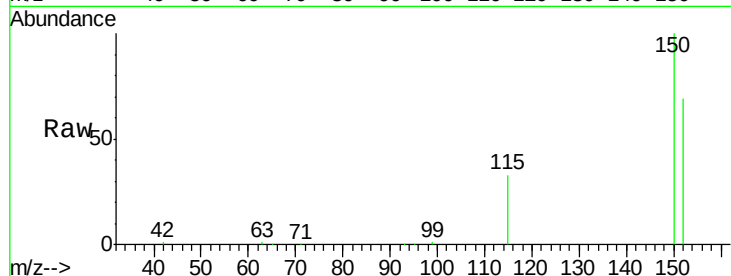
Acq: 18 Mar 2016 15:18

Instrument :

BNA_M

ClientSampleId :

SSTDICC1.6



Tgt Ion: 152 Resp: 30693

Ion Ratio Lower Upper

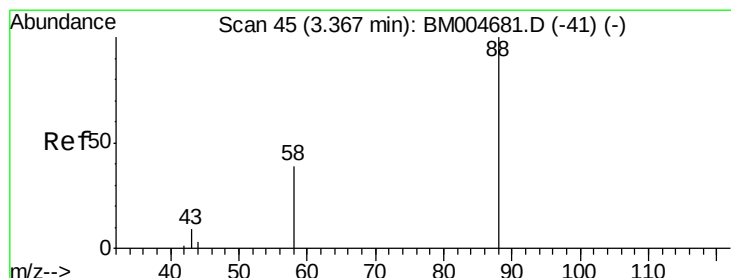
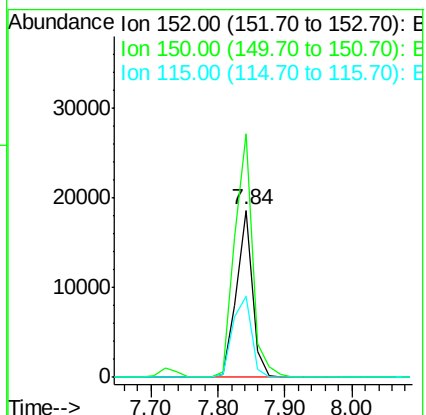
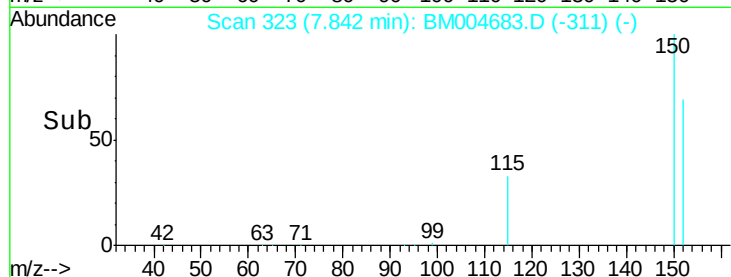
152 100

150 145.6 115.9 173.9

115 48.3 38.4 57.6

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#2

1,4-Dioxane

Concen: 1.43 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

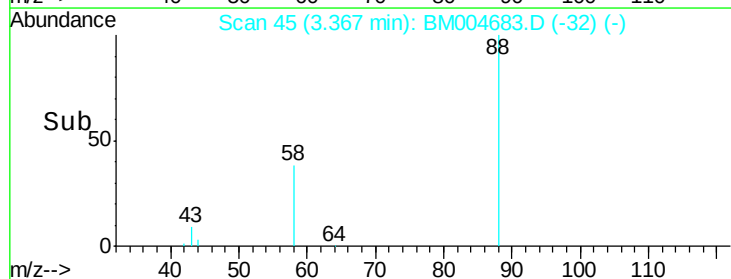
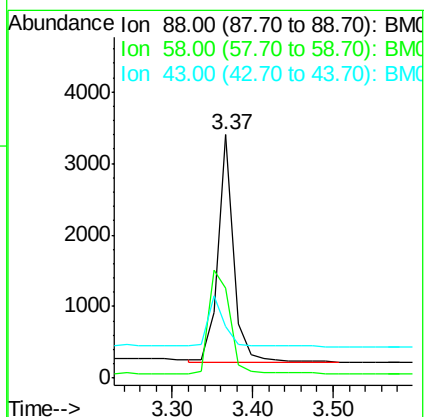
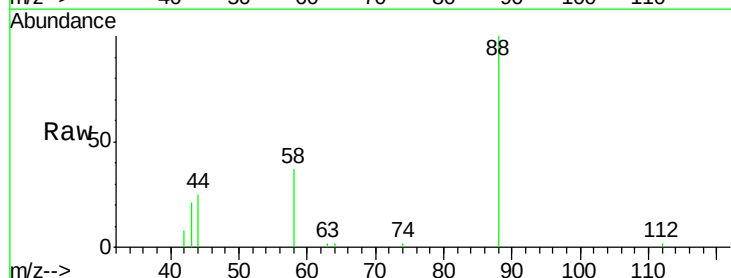
Tgt Ion: 88 Resp: 4320

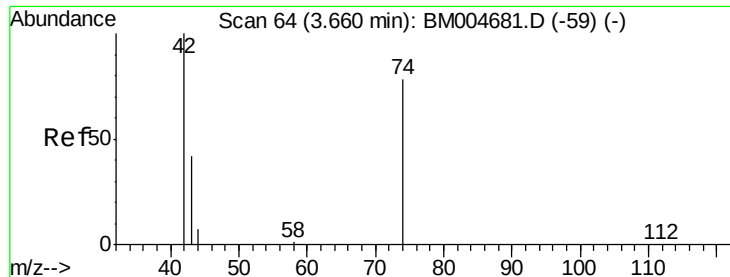
Ion Ratio Lower Upper

88 100

58 60.9 43.9 65.9

43 24.6 19.9 29.9





#3

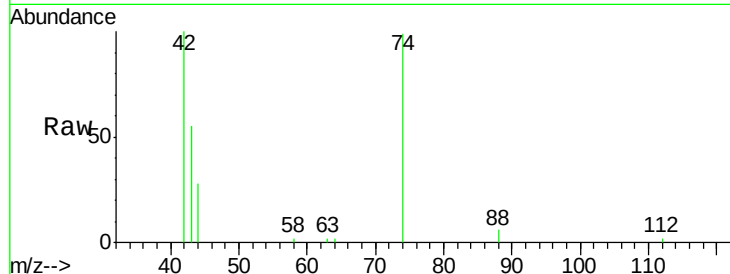
n-Nitrosodimethylamine
Concen: 1.52 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
42	100		
74	154.0	120.9	181.3
44	7.2	6.0	9.0

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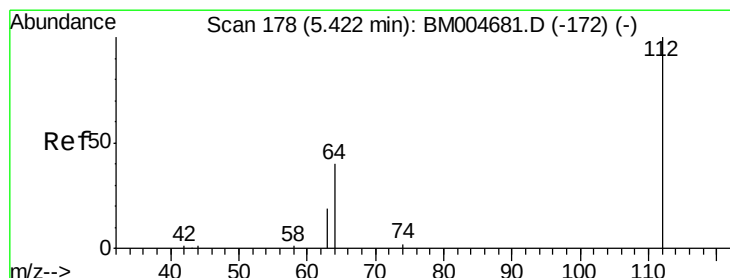
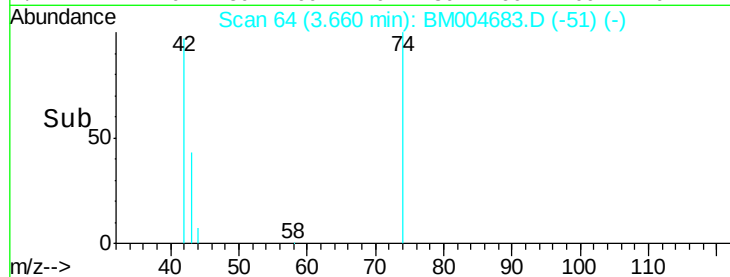
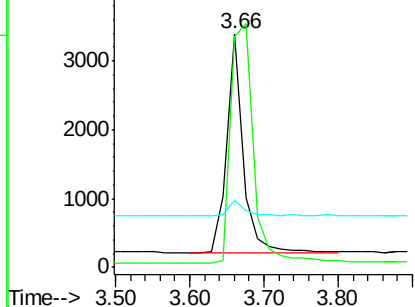
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Abundance Ion 42.00 (41.70 to 42.70): BM004683.D (-59) (-)

Ion 74.00 (73.70 to 74.70): BM004683.D (-59) (-)

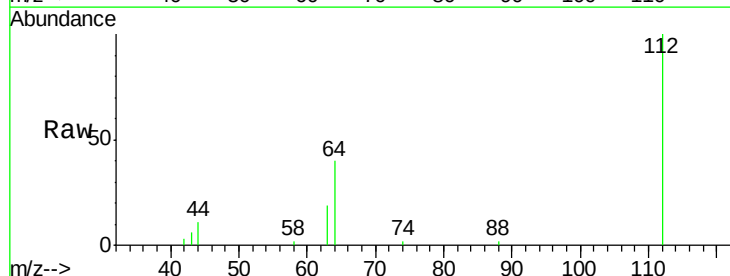
Ion 44.00 (43.70 to 44.70): BM004683.D (-59) (-)



#4

2-Fluorophenol
Concen: 1.52 ng
RT: 5.42 min Scan# 178
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

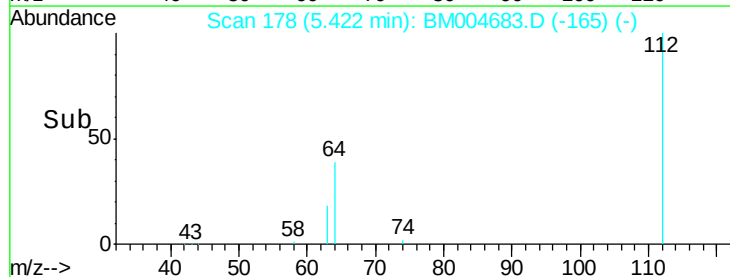
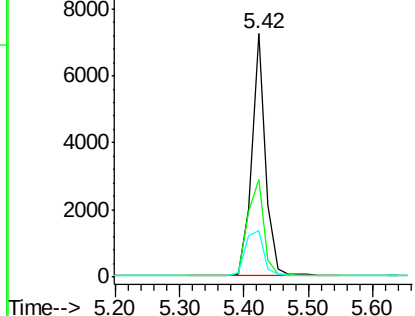
Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.0	37.0	55.6
63	23.6	19.3	28.9

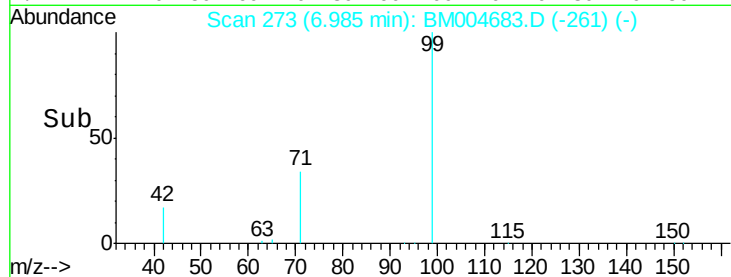
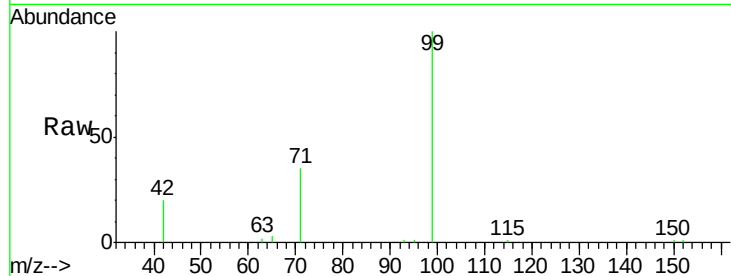
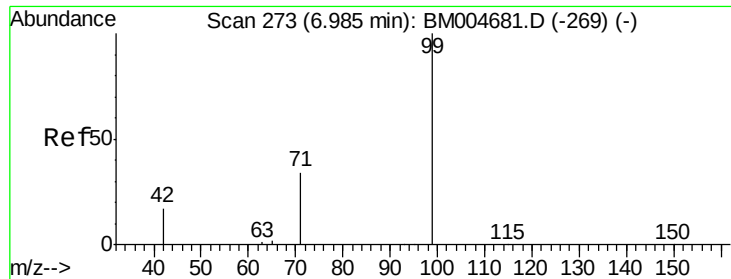


Abundance Ion 112.00 (111.70 to 112.70): BM004683.D (-172) (-)

Ion 64.00 (63.70 to 64.70): BM004683.D (-172) (-)

Ion 63.00 (62.70 to 63.70): BM004683.D (-172) (-)





#5

Phenol-d6

Concen: 1.50 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	99	Resp:	13040
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.7	19.1
71	28.0	22.9	34.3

Instrument :

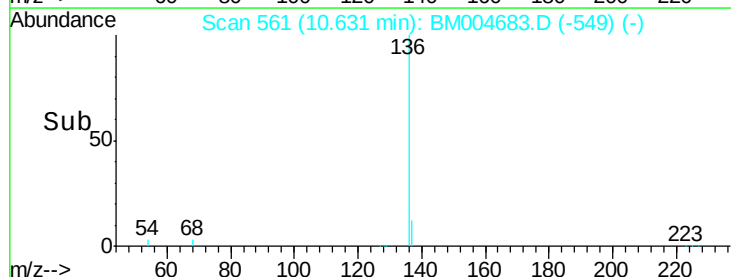
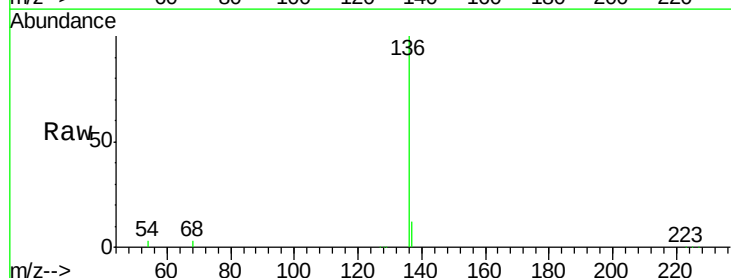
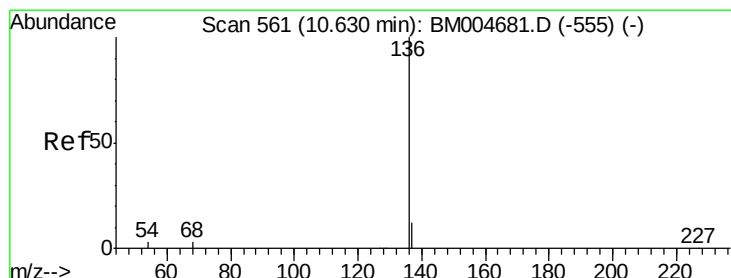
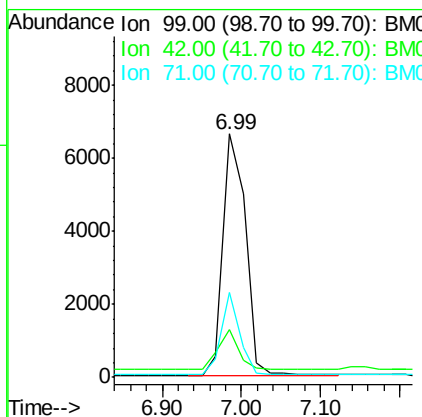
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#6

Naphthalene-d8

Concen: 5.00 ng

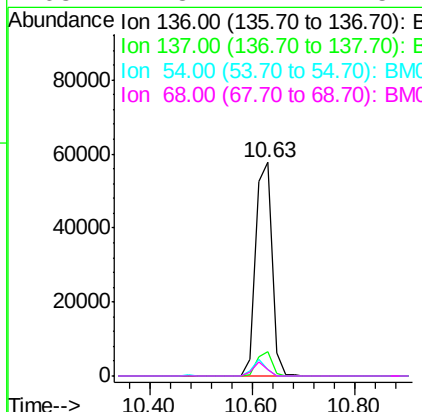
RT: 10.63 min Scan# 561

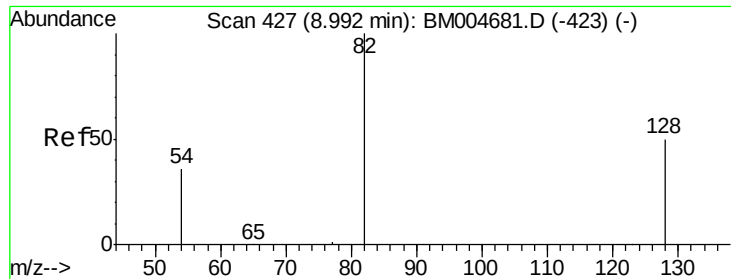
Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	136	Resp:	124897
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.4	14.2
54	2.7	2.2	3.4
68	2.8	2.2	3.4





#7

Nitrobenzene-d5

Concen: 1.51 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Instrument :

BNA_M

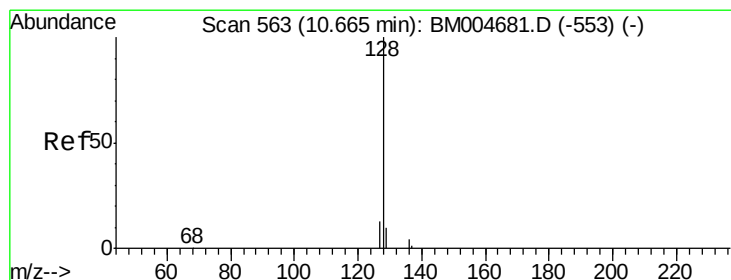
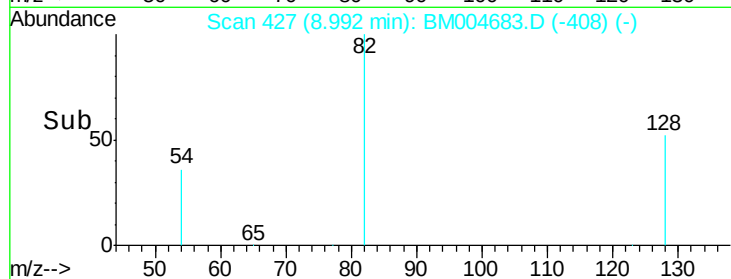
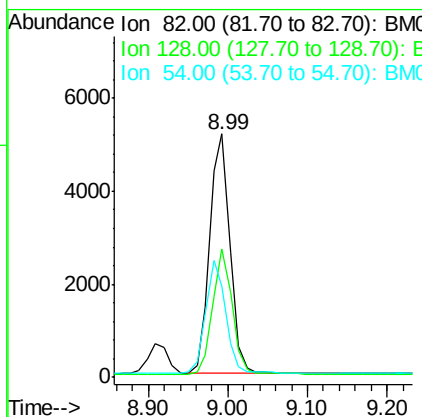
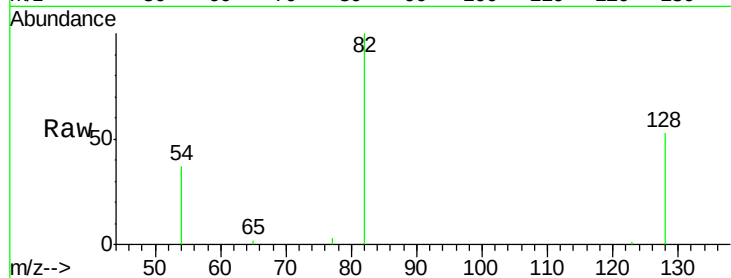
ClientSampleId :

SSTDICC1.6

Tgt Ion:	82	Resp:	9083
Ion Ratio	Lower	Upper	
82	100		
128	52.6	41.8	62.8
54	37.2	32.9	49.3

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#8

Naphthalene

Concen: 1.47 ng

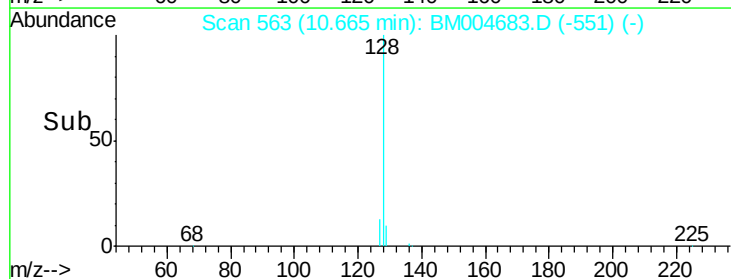
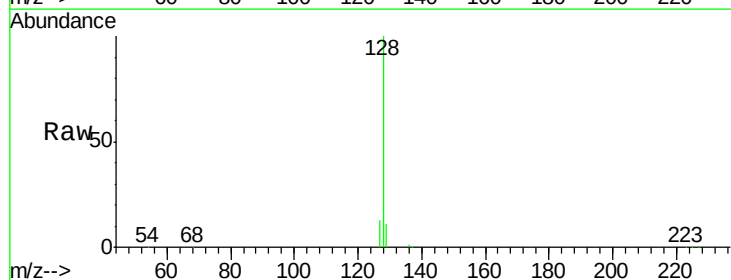
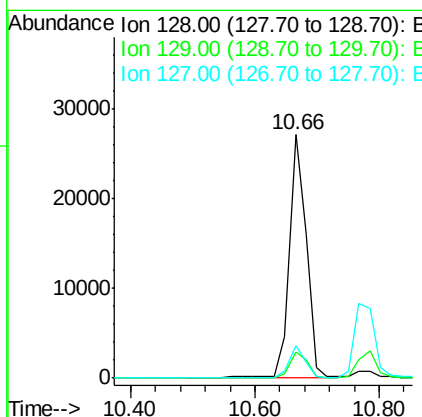
RT: 10.66 min Scan# 563

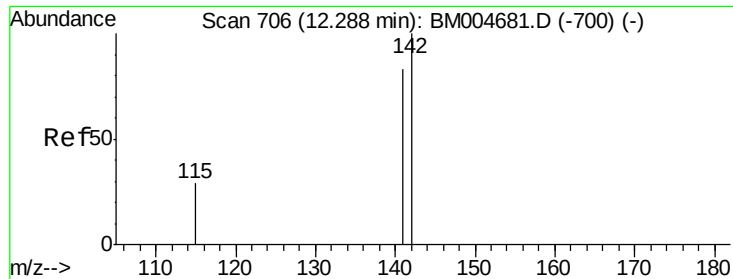
Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	128	Resp:	50409
Ion Ratio	Lower	Upper	
128	100		
129	10.7	8.9	13.3
127	13.5	11.3	16.9





#9

2-Methylnaphthalene

Concen: 1.52 ng

RT: 12.29 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Instrument :

BNA_M

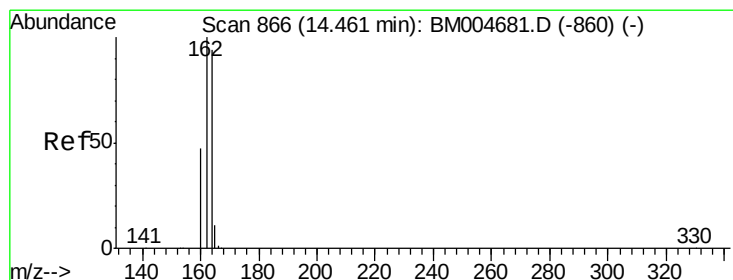
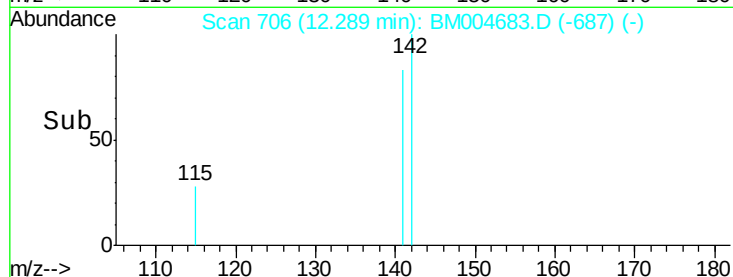
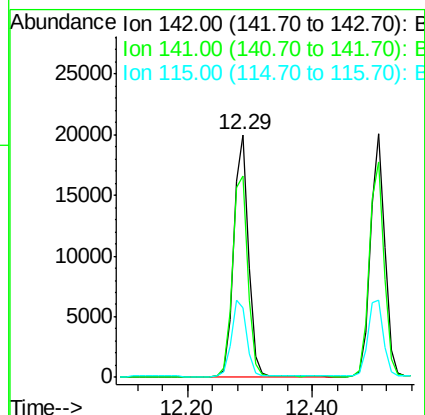
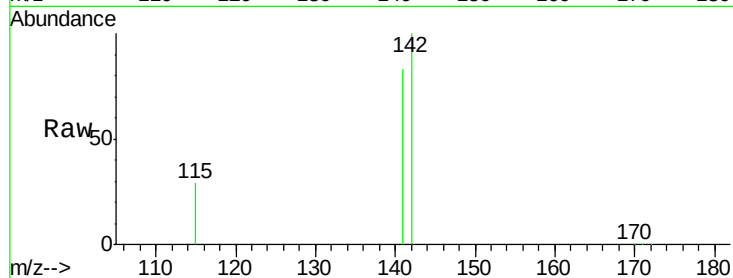
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Tgt Ion:	142	Resp:	32798
Ion Ratio	Lower	Upper	
142	100		
141	82.7	66.2	99.2
115	28.7	23.8	35.8

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#10

Acenaphthene-d10

Concen: 5.00 ng

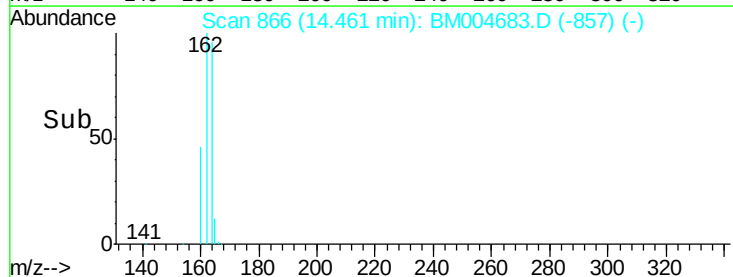
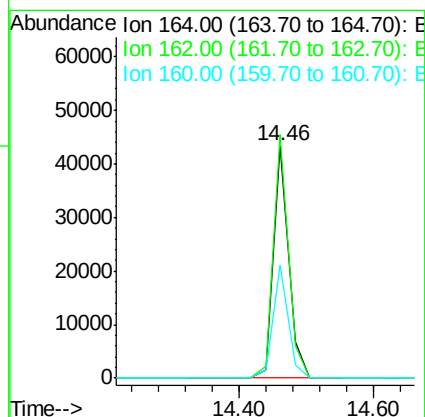
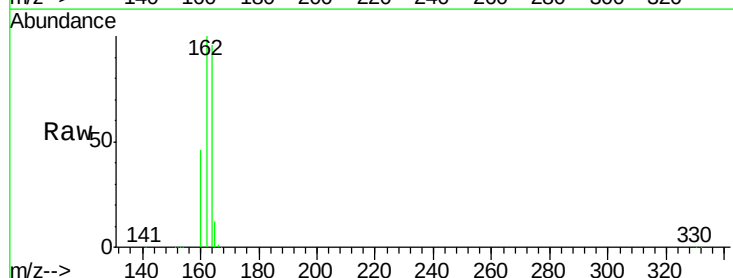
RT: 14.46 min Scan# 866

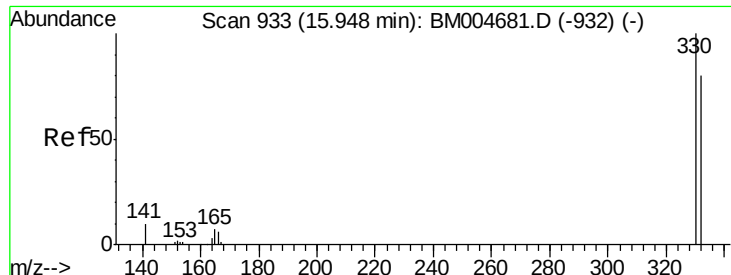
Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	164	Resp:	68786
Ion Ratio	Lower	Upper	
164	100		
162	104.6	85.4	128.0
160	48.6	40.2	60.2





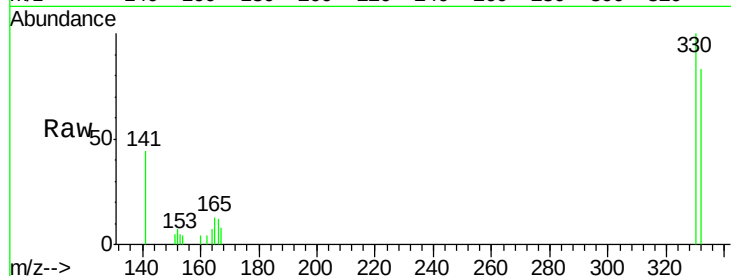
#11
 2,4,6-Tribromophenol
 Concen: 1.48 ng m
 RT: 15.95 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004683.D
 Acq: 18 Mar 2016 15:18

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

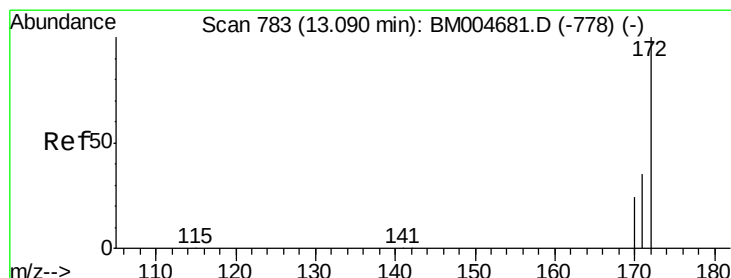
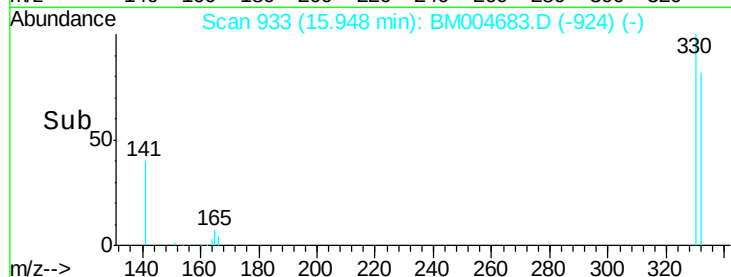
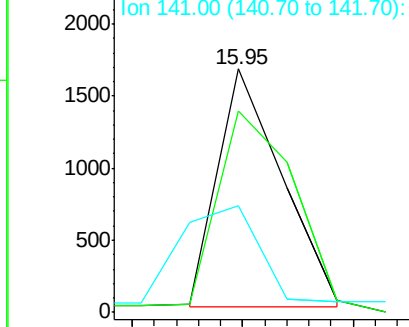
Tgt Ion:	330	Resp:	3353
Ion Ratio	Lower	Upper	
330	100		
332	102.1	93.9	140.9
141	52.4	42.2	63.2

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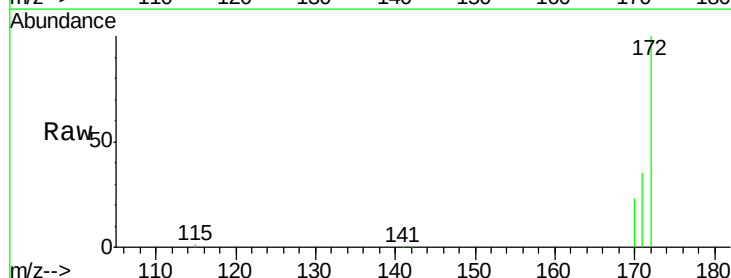


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

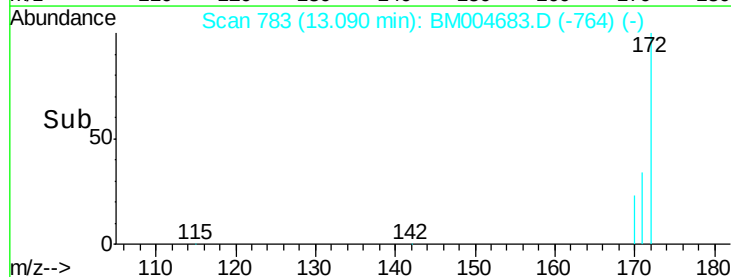
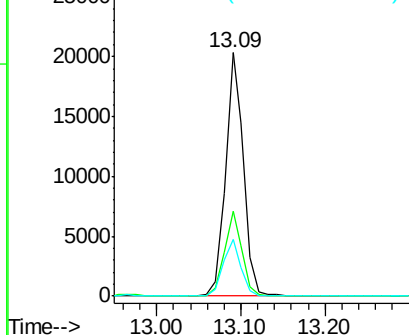


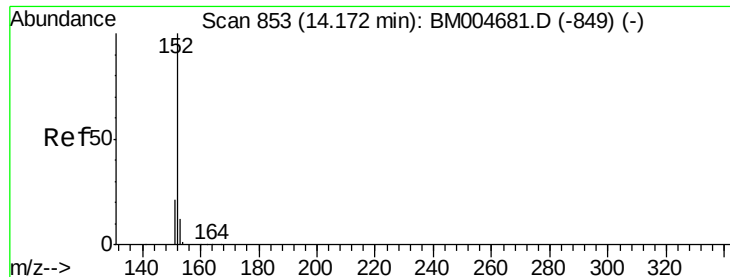
#12
 2-Fluorobiphenyl
 Concen: 1.53 ng
 RT: 13.09 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BM004683.D
 Acq: 18 Mar 2016 15:18

Tgt Ion:	172	Resp:	30086
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.2	42.2
170	23.4	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#13

Acenaphthylene

Concen: 1.50 ng

RT: 14.17 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM004683.D

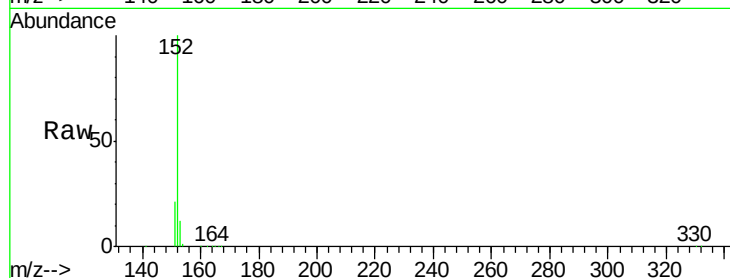
Acq: 18 Mar 2016 15:18

Instrument :

BNA_M

ClientSampleId :

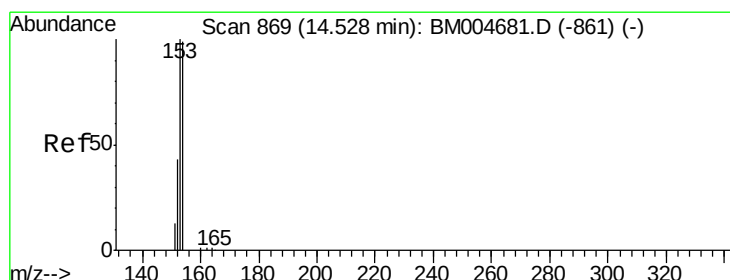
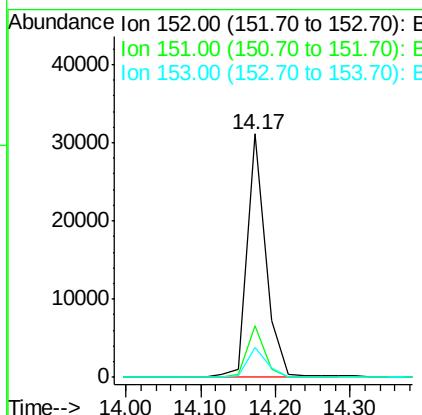
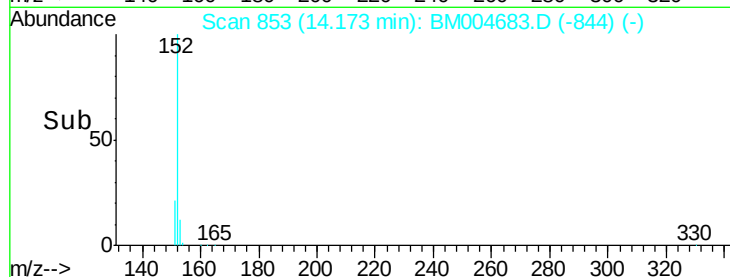
SSTDICC1.6



Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	12.8	10.2	15.2

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#14

Acenaphthene

Concen: 1.51 ng

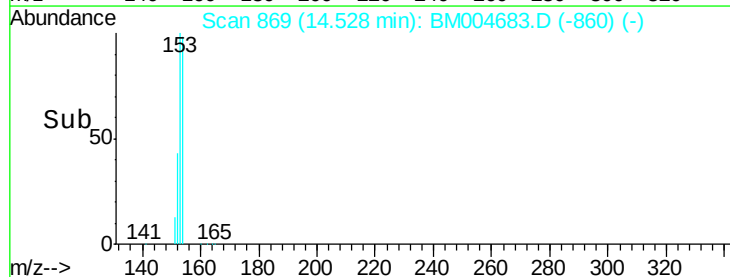
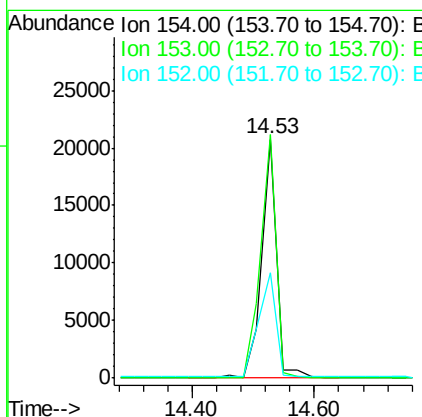
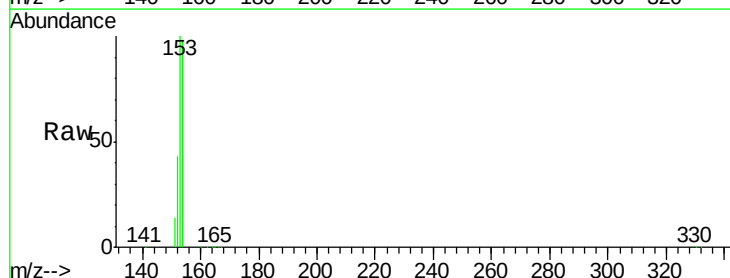
RT: 14.53 min Scan# 869

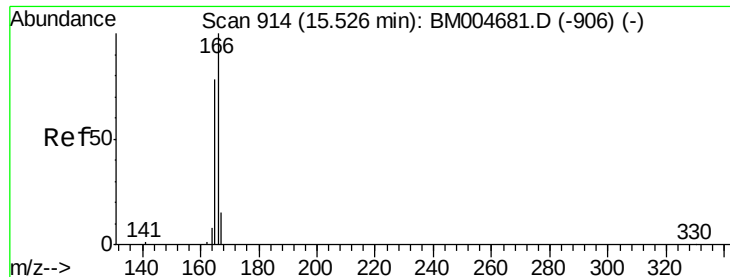
Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Lower	Upper
154	100		
153	105.2	83.8	125.6
152	50.3	40.3	60.5





#15

Fluorene

Concen: 1.49 ng

RT: 15.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Instrument :

BNA_M

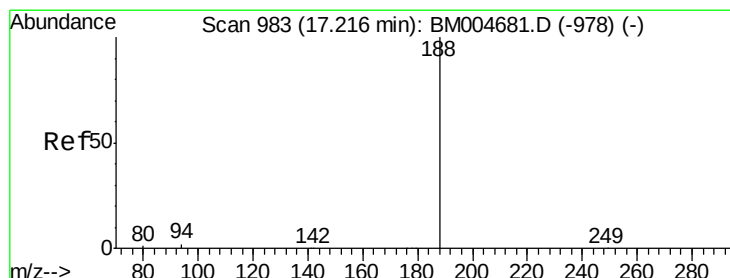
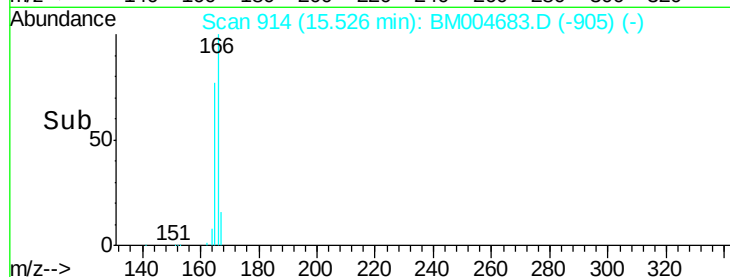
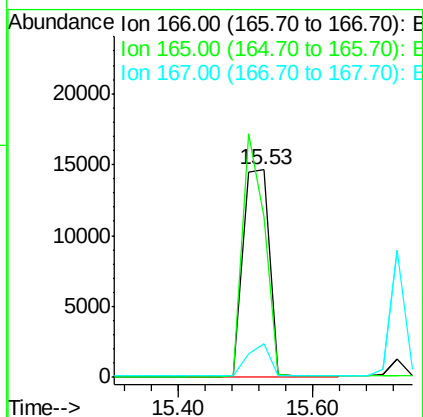
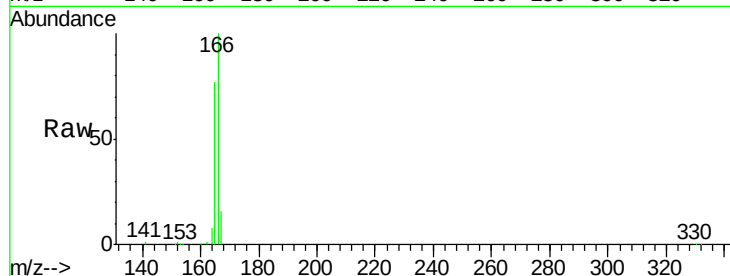
ClientSampleId :

SSTDICC1.6

Tgt Ion:	166	Resp:	39175
Ion Ratio	Lower	Upper	
166	100		
165	0.0	0.0	0.0
167	13.4	10.6	15.8

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#16

Phenanthrene-d10

Concen: 5.00 ng

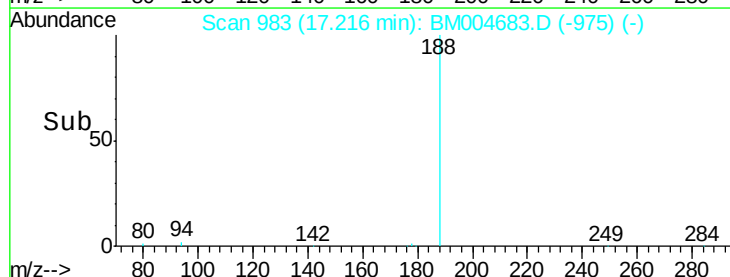
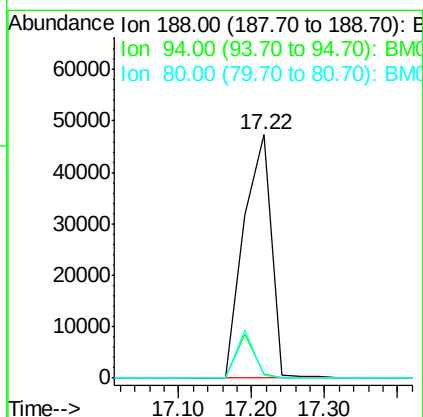
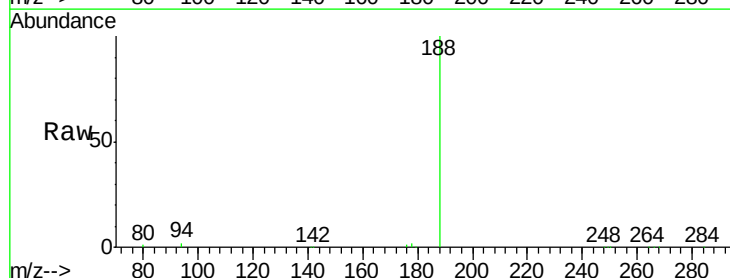
RT: 17.22 min Scan# 983

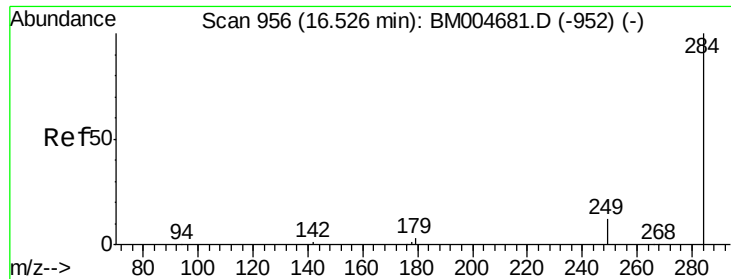
Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	188	Resp:	122820
Ion Ratio	Lower	Upper	
188	100		
94	1.7	1.4	2.0
80	1.3	1.0	1.6





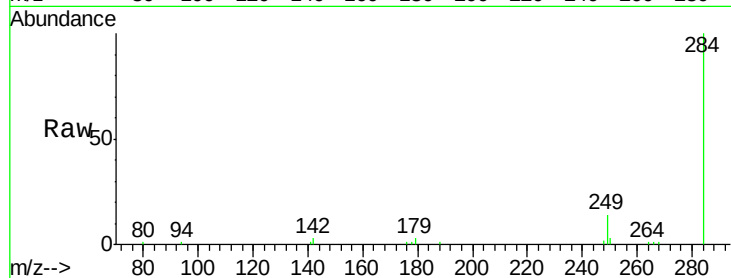
#17
Hexachlorobenzene
Concen: 1.57 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

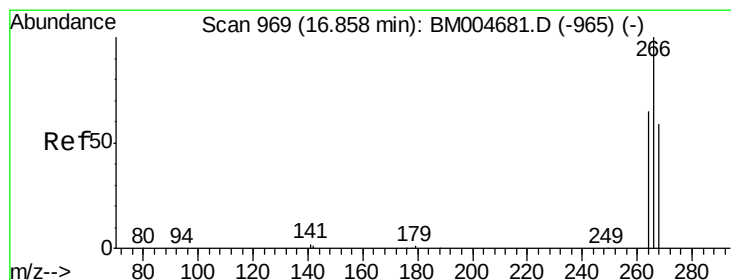
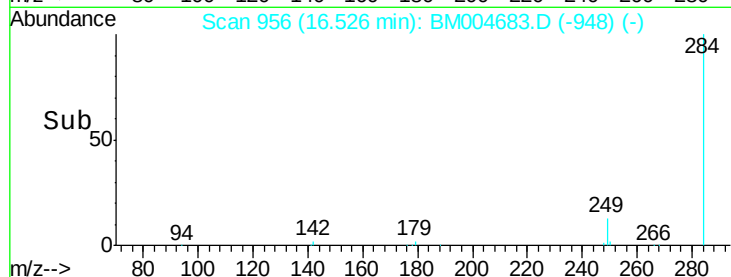
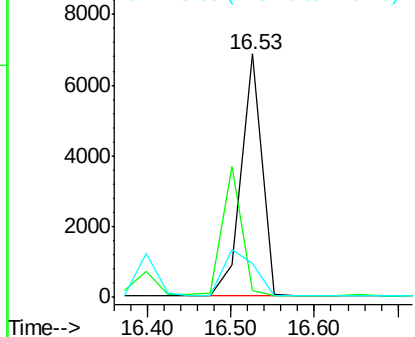
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	11897		
142	0.0	0.0	0.0	0.0
249	0.0	0.0	0.0	0.0

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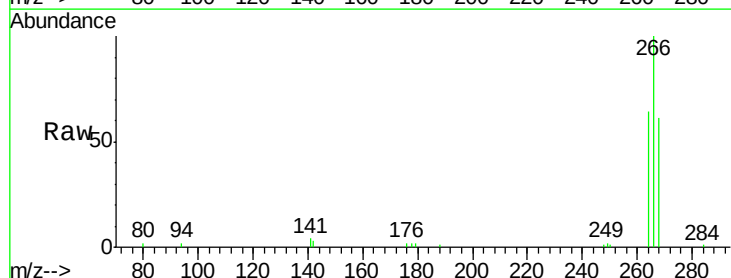


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

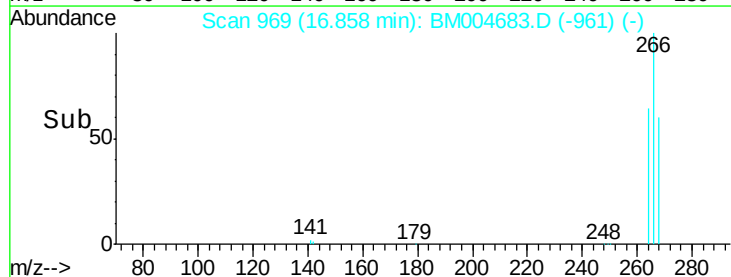
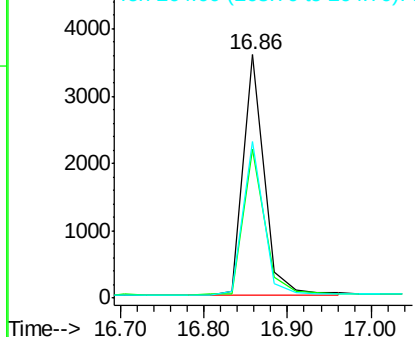


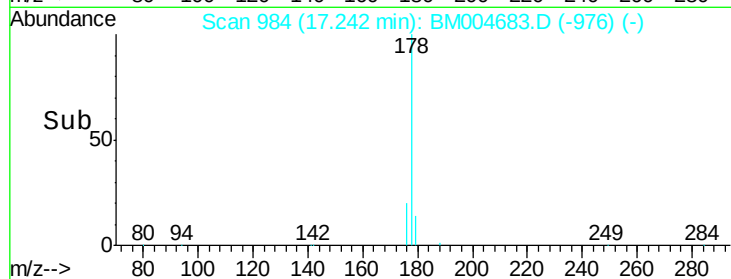
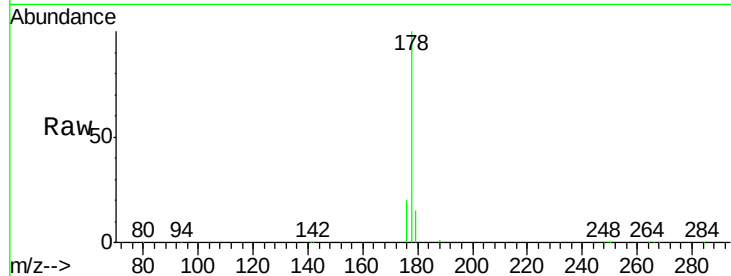
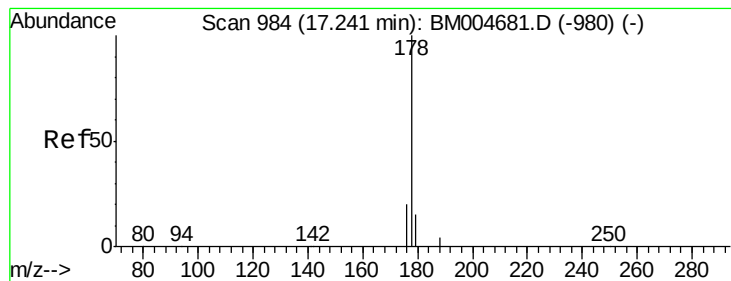
#18
Pentachlorophenol
Concen: 1.51 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	6255		
268	61.1	49.1	73.7	
264	64.3	52.9	79.3	



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: 1.58 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	178	Resp:	77658
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.5	23.3
179	14.7	12.2	18.4

Instrument :

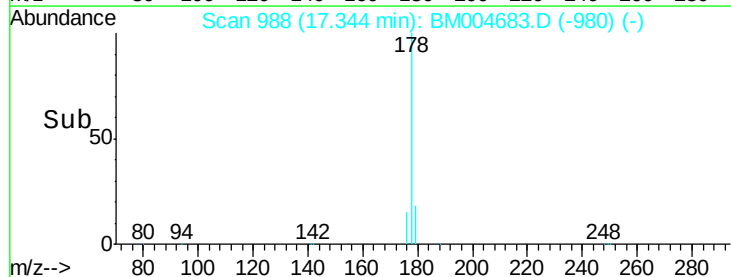
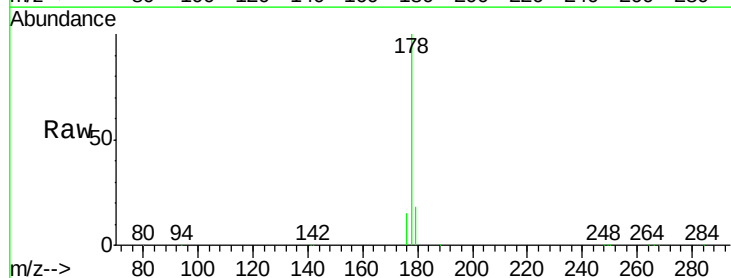
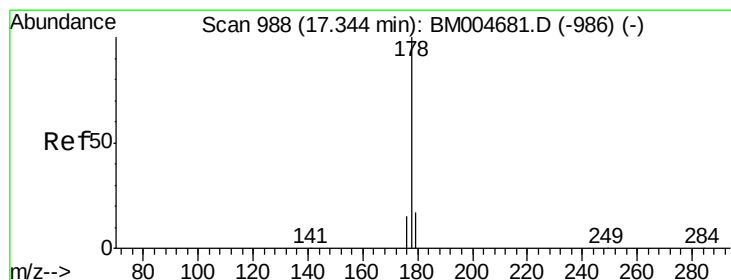
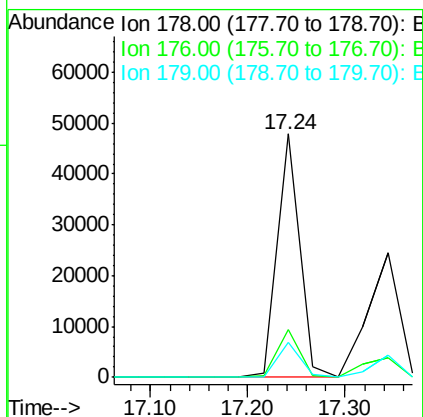
BNA_M

ClientSampleId :

SSTDICC1.6

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#20

Anthracene

Concen: 1.53 ng

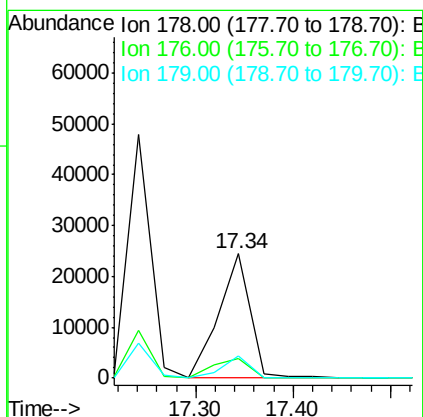
RT: 17.34 min Scan# 988

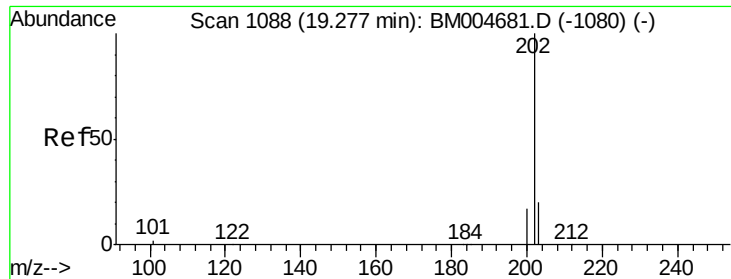
Delta R.T. 0.00 min

Lab File: BM004683.D

Acq: 18 Mar 2016 15:18

Tgt Ion:	178	Resp:	53593
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.5	21.7
179	15.9	12.6	18.8





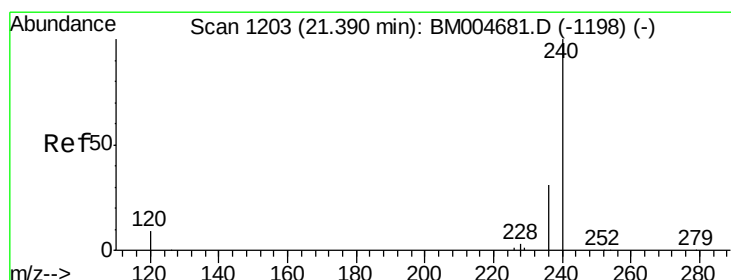
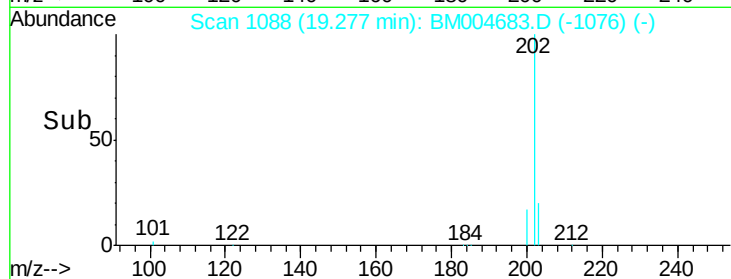
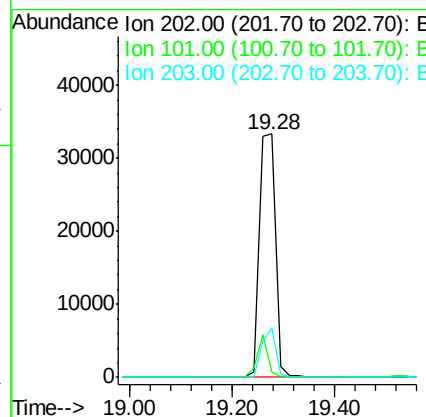
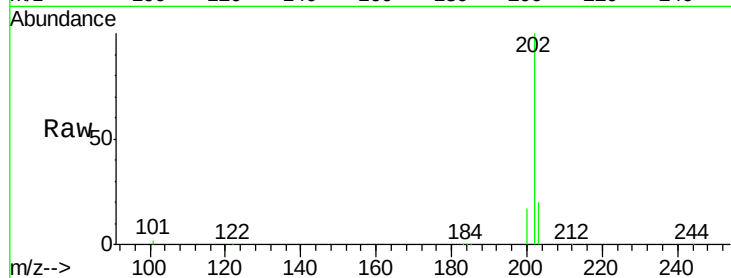
#21
Fluoranthene
Concen: 1.53 ng
RT: 19.28 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	8.7	13.1
203	17.4	14.1	21.1

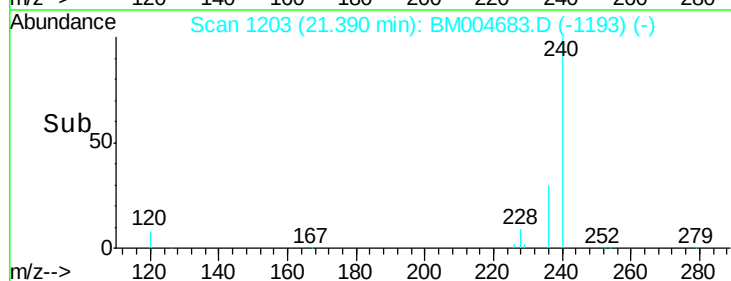
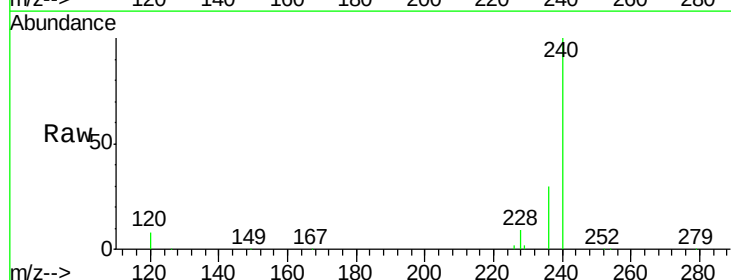
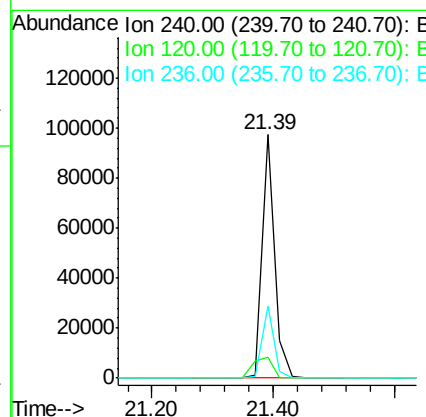
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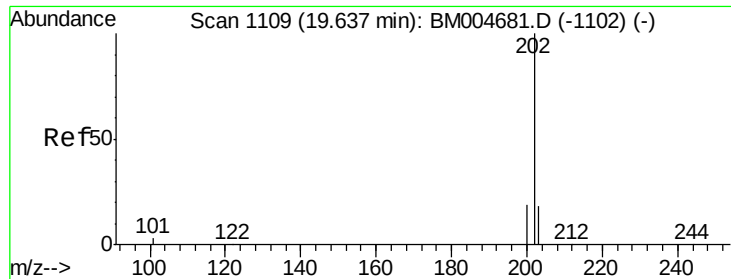
mohammad
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#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.4	11.2
236	29.8	24.5	36.7





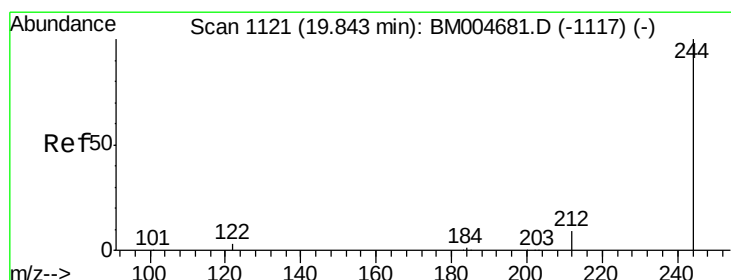
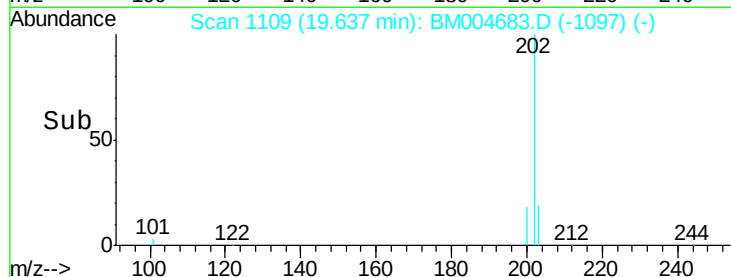
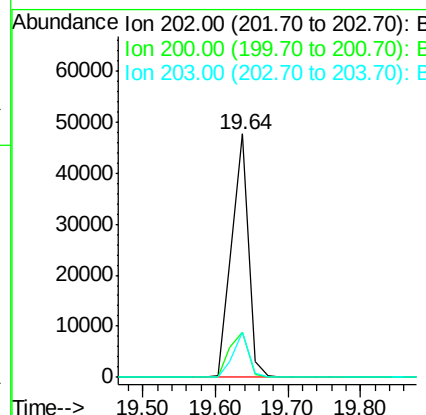
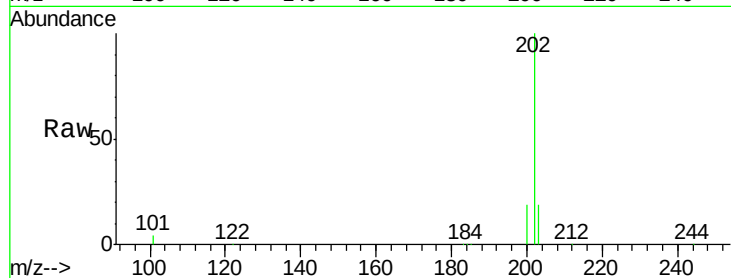
#23
Pyrene
Concen: 1.46 ng
RT: 19.64 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	16.8	25.2
203	17.5	13.9	20.9

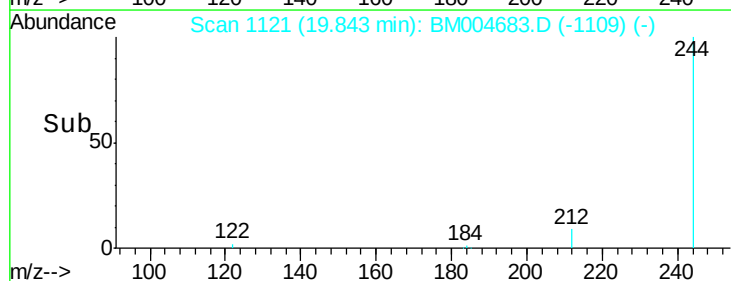
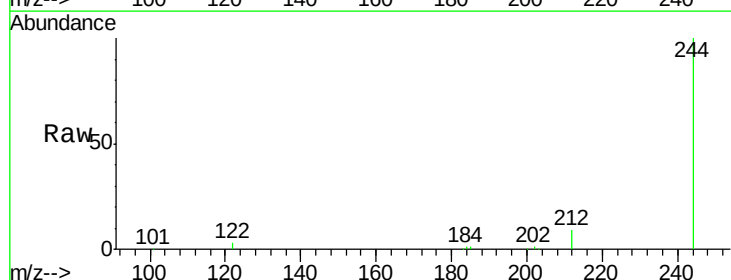
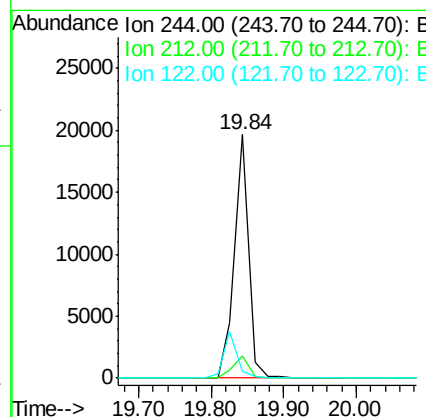
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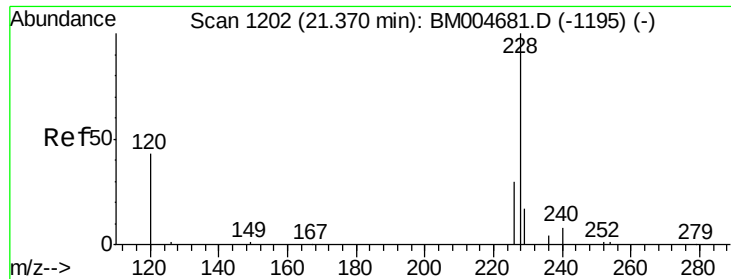
mohammad
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#24
Terphenyl-d14
Concen: 1.46 ng
RT: 19.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.0	7.7	11.5
122	3.0	3.4	5.0





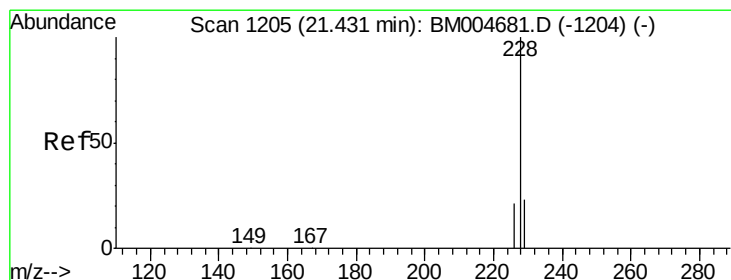
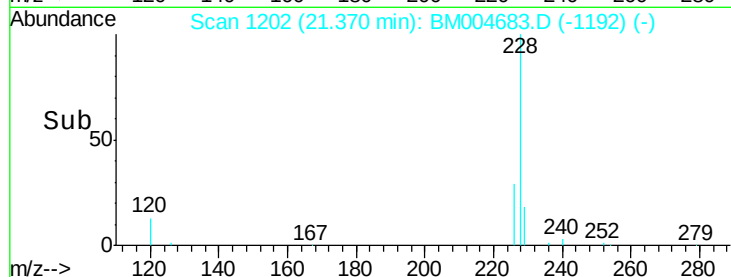
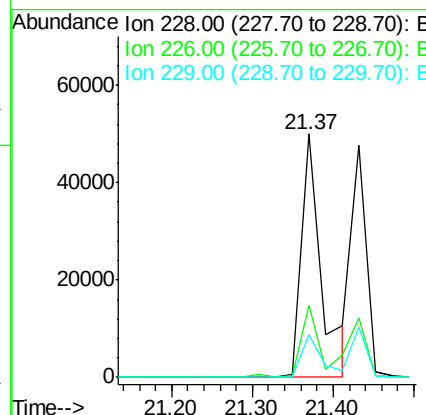
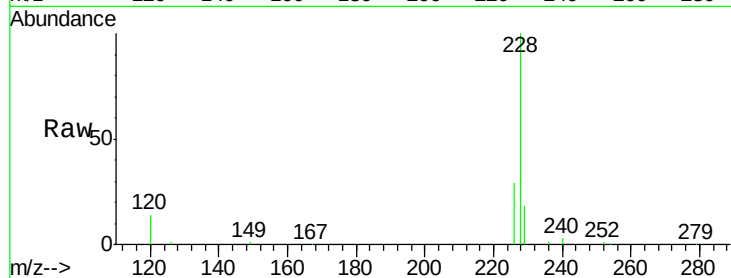
#25
Benzo(a)anthracene
Concen: 1.52 ng
RT: 21.37 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.2	36.2
229	17.7	14.2	21.2

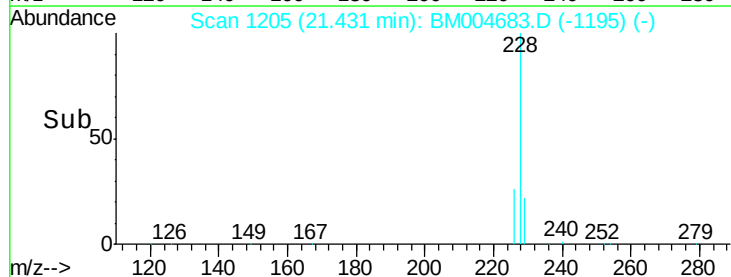
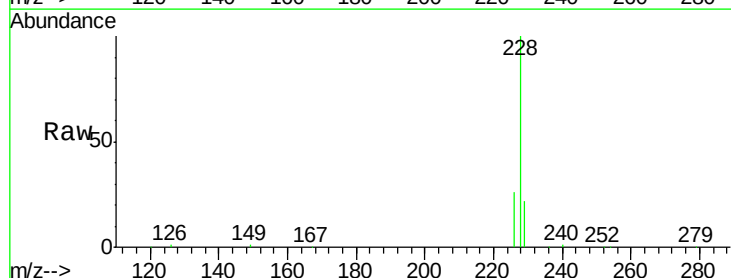
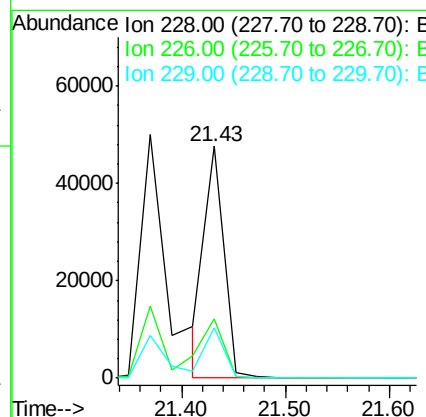
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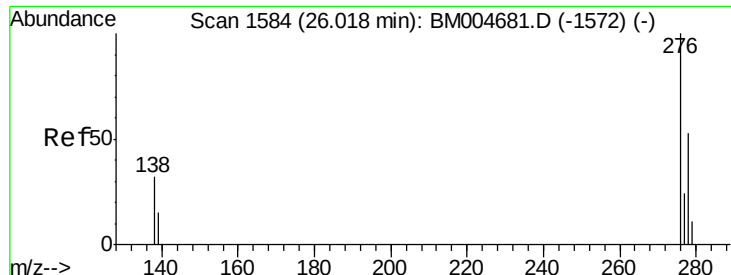
mohammad
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#26
Chrysene
Concen: 1.42 ng
RT: 21.43 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.9	31.3
229	21.7	17.4	26.2





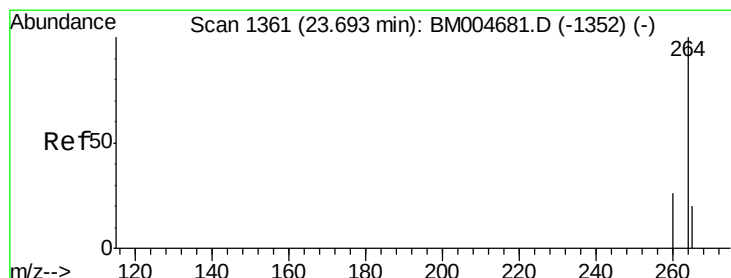
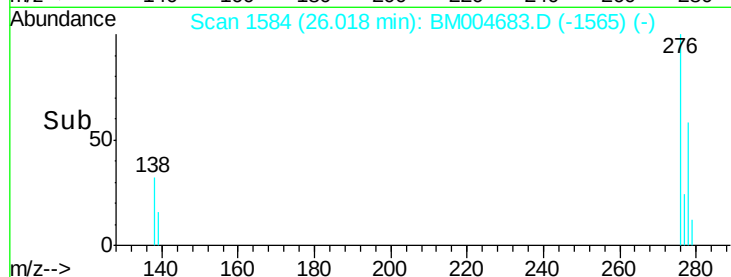
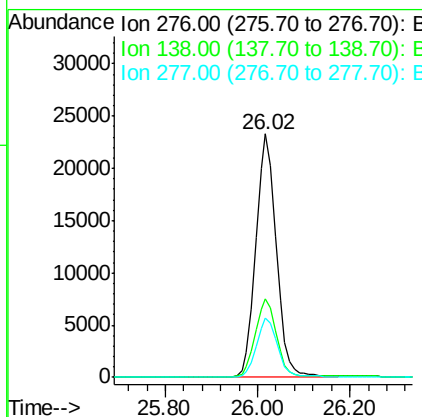
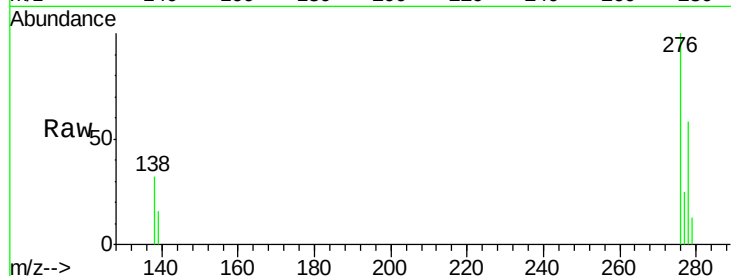
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.51 ng
 RT: 26.02 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BM004683.D
 Acq: 18 Mar 2016 15:18

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	25.9	38.9
277	24.6	19.8	29.6

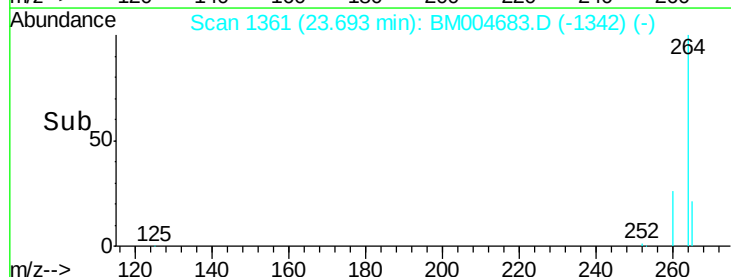
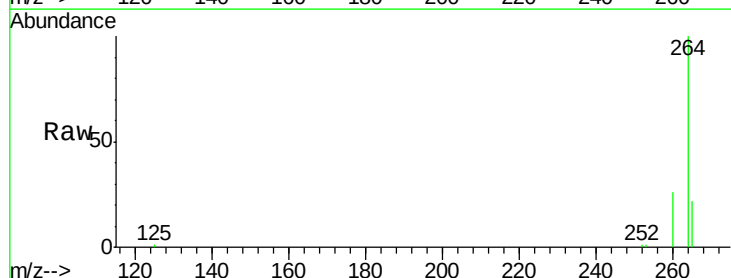
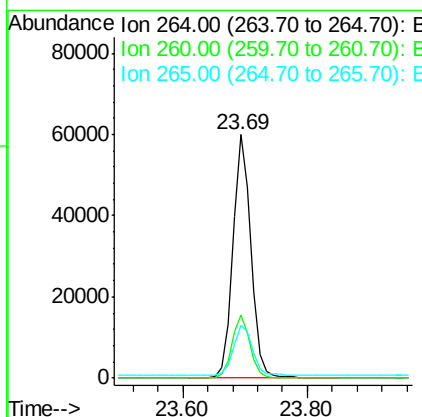
Manual Integrations
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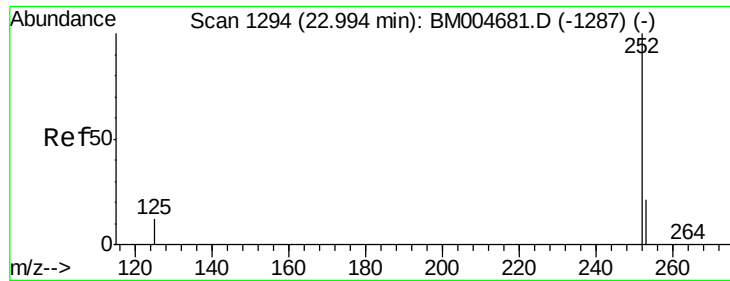
mohammad
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.69 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BM004683.D
 Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.0	31.4
265	21.9	17.5	26.3





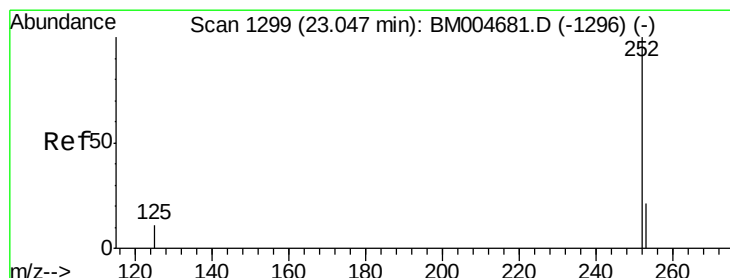
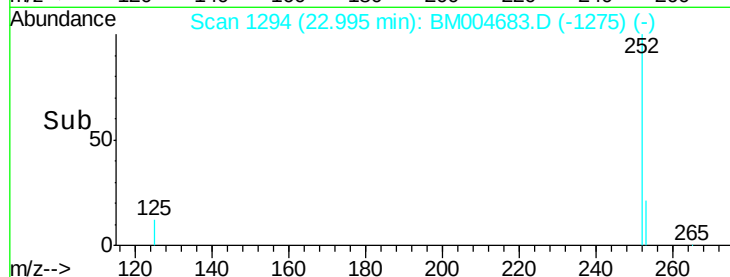
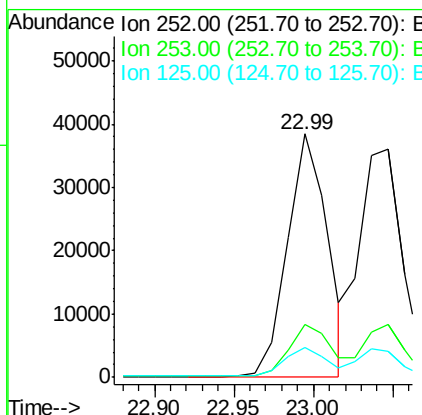
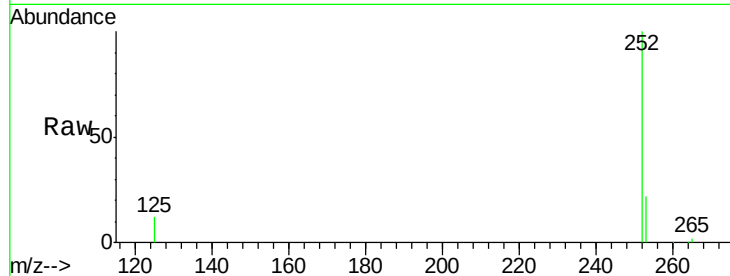
#29
Benzo(b)fluoranthene
Concen: 1.52 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.5	11.4	17.0

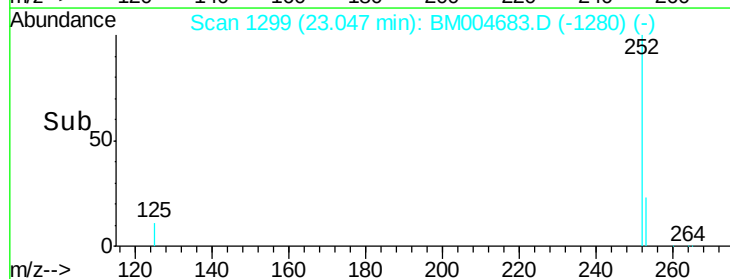
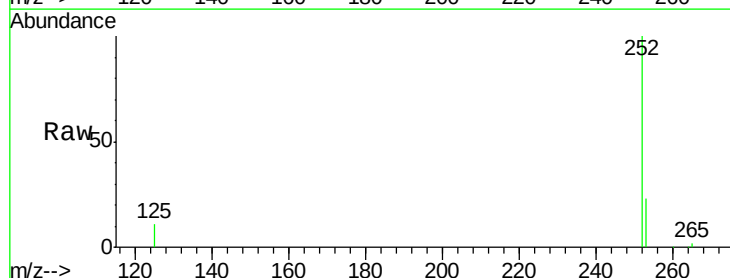
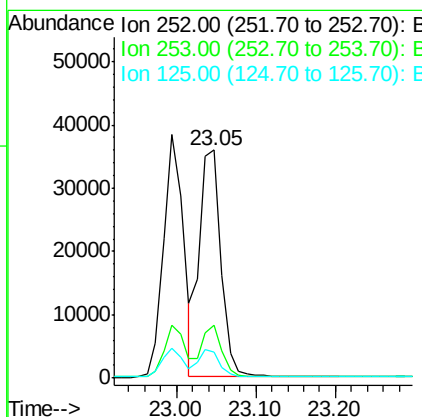
Manual Integrations
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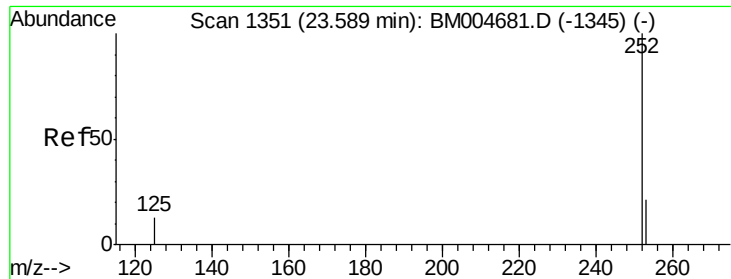
mohammad
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#30
Benzo(k)fluoranthene
Concen: 1.55 ng
RT: 23.05 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.3	28.9
125	11.4	10.6	15.8





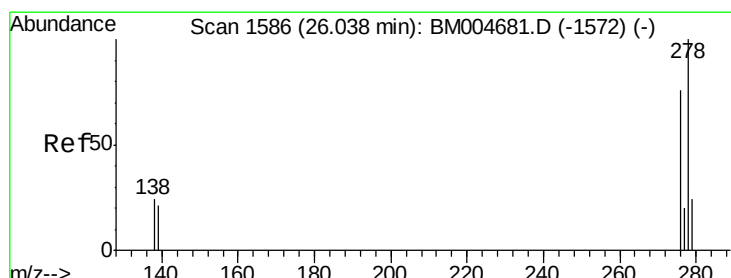
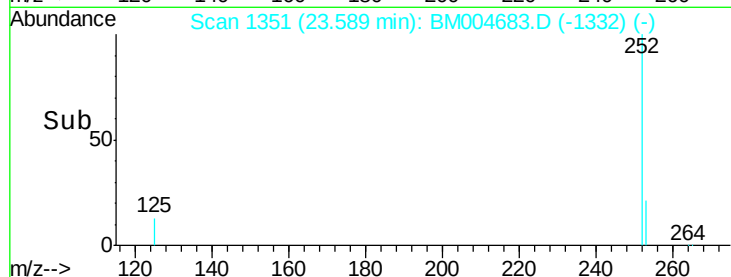
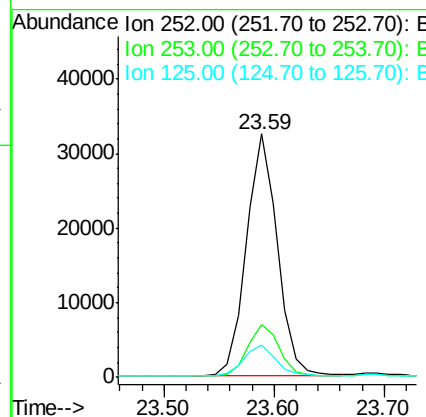
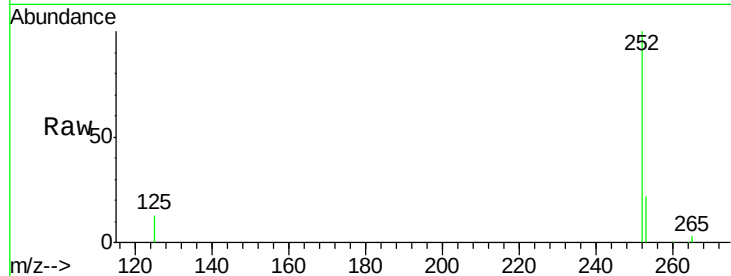
#31
Benzo(a)pyrene
Concen: 1.53 ng
RT: 23.59 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Instrument :
BNA_M
ClientSampleId :
SSTDICC1.6

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	28.0
125	13.4	12.3	18.5

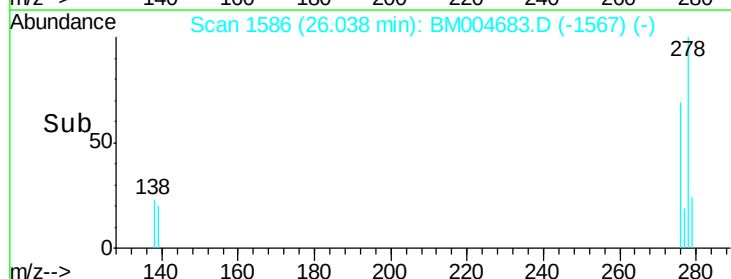
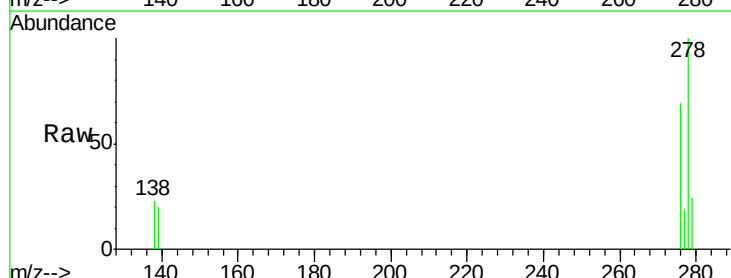
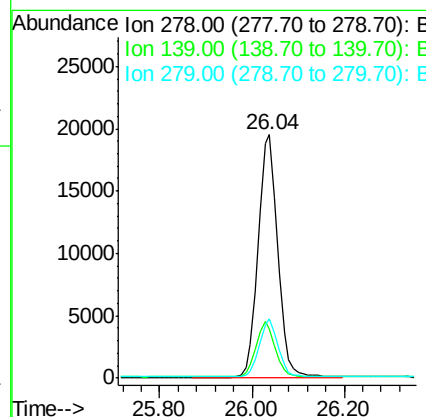
Manual Integrations
APPROVED

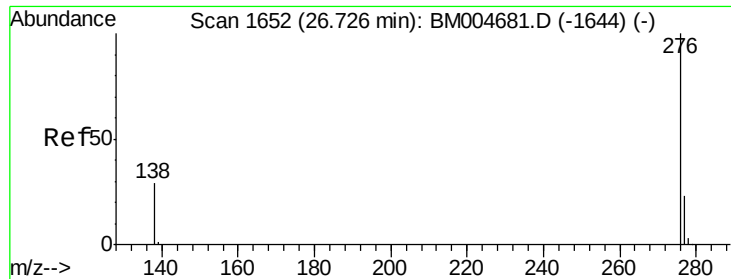
mohammad
3/21/2016 2:42:55 PM



#32
Dibenzo(a,h)anthracene
Concen: 1.56 ng
RT: 26.04 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM004683.D
Acq: 18 Mar 2016 15:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	17.6	26.4
279	24.2	19.9	29.9





#33

Benzo(g,h,i)perylene

Concen: 1.33 ng

RT: 26.73 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BM004683.D

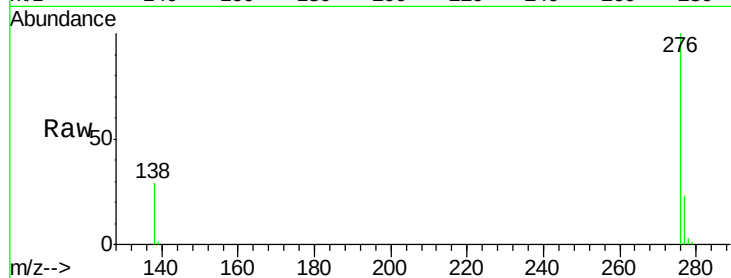
Acq: 18 Mar 2016 15:18

Instrument :

BNA_M

ClientSampleId :

SSTDICC1.6



Tgt Ion: 276 Resp: 60208

Ion Ratio Lower Upper

276 100

277 23.4 19.1 28.7

138 29.1 24.5 36.7

Manual Integrations

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3/21/2016 2:42:55 PM

