

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
 Data File : BM004680.D
 Acq On : 18 Mar 2016 13:29
 Operator : UM/SJ
 Sample : SSTDICC0.2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Manual Integrations
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 3/21/2016 2:42:49 PM

Quant Time: Mar 19 02:10:23 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	31620	5.00	ng	0.00
6) Naphthalene-d8	10.63	136	130512	5.00	ng	0.00
10) Acenaphthene-d10	14.46	164	72295	5.00	ng	0.00
16) Phenanthrene-d10	17.22	188	129575	5.00	ng	0.00
22) Chrysene-d12	21.39	240	138560	5.00	ng	0.00
28) Perylene-d12	23.69	264	120337	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	1346	0.18	ng	0.00
5) Phenol-d6	6.99	99	1616	0.18	ng	0.00
7) Nitrobenzene-d5	8.99	82	1119	0.18	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	407m	0.17	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	3764	0.18	ng	0.00
24) Terphenyl-d14	19.84	244	3291	0.19	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	683	0.22	ng	# 90
3) n-Nitrosodimethylamine	3.66	42	594	0.18	ng	# 98
8) Naphthalene	10.66	128	6973	0.19	ng	98
9) 2-Methylnaphthalene	12.29	142	4080	0.18	ng	98
13) Acenaphthylene	14.17	152	6322	0.17	ng	99
14) Acenaphthene	14.53	154	4576	0.19	ng	97
15) Fluorene	15.50	166	4897	0.18	ng	# 67
17) Hexachlorobenzene	16.53	284	1517	0.19	ng	# 100
18) Pentachlorophenol	16.86	266	666	0.15	ng	95
19) Phenanthrene	17.24	178	9841	0.19	ng	99
20) Anthracene	17.34	178	6524	0.18	ng	99
21) Fluoranthene	19.26	202	8960	0.18	ng	99
23) Pyrene	19.64	202	9465	0.19	ng	99
25) Benzo(a)anthracene	21.37	228	10638	0.19	ng	99
26) Chrysene	21.43	228	7137m	0.17	ng	
27) Indeno(1,2,3-cd)pyrene	26.02	276	8150	0.18	ng	100
29) Benzo(b)fluoranthene	22.99	252	7869m	0.18	ng	
30) Benzo(k)fluoranthene	23.05	252	7908	0.18	ng	# 93
31) Benzo(a)pyrene	23.59	252	7384	0.18	ng	# 93
32) Dibenzo(a,h)anthracene	26.04	278	6507	0.18	ng	95
33) Benzo(g,h,i)perylene	26.73	276	6998	0.16	ng	96

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

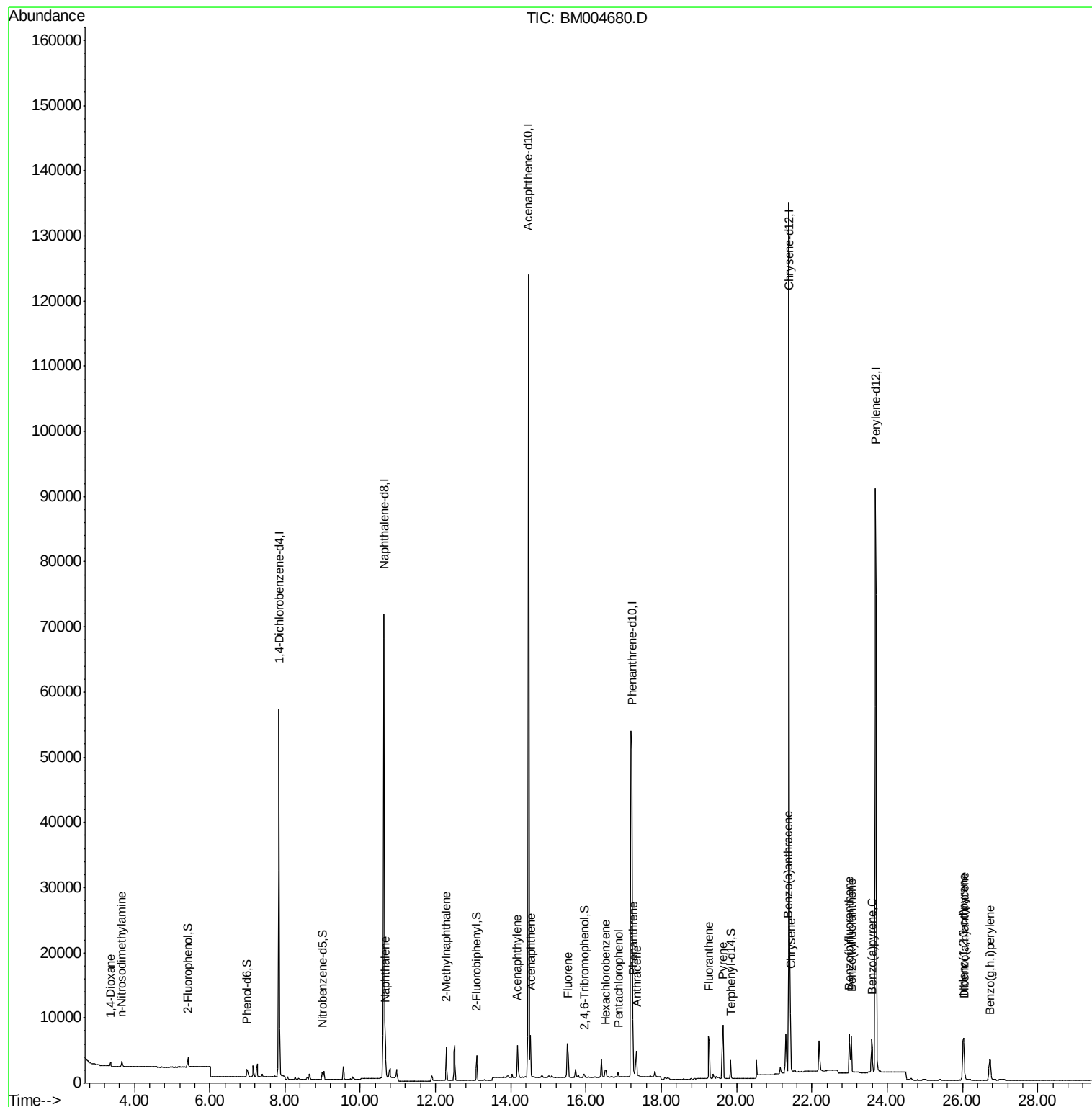
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
Data File : BM004680.D
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ALS Vial : 3 Sample Multiplier: 1

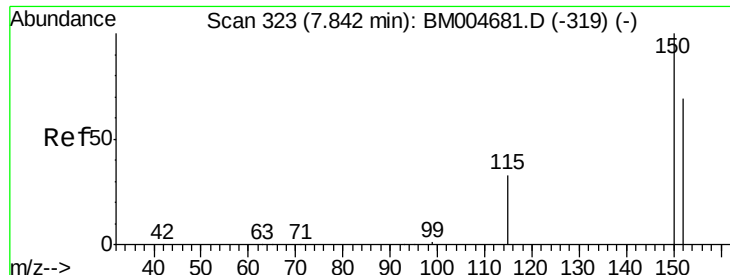
Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

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Quant Time: Mar 19 02:10:23 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM004680.D

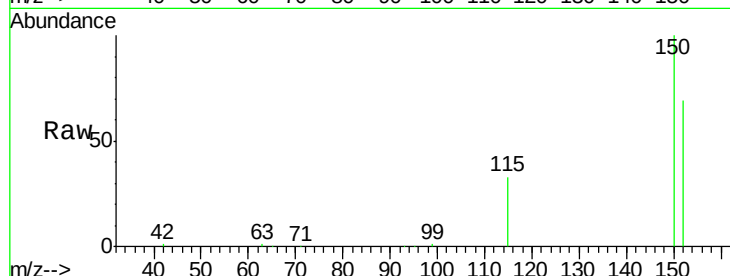
Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

ClientSampleId :

SSTDICC0.2



Tgt Ion:152 Resp: 31620

Ion Ratio Lower Upper

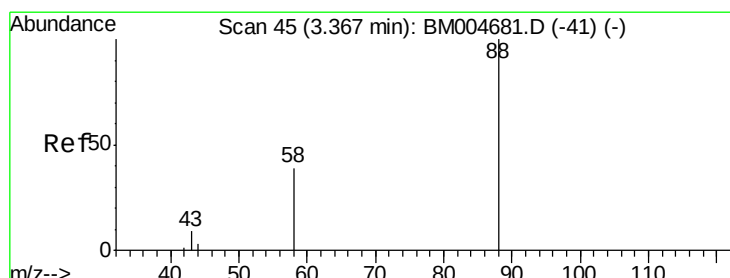
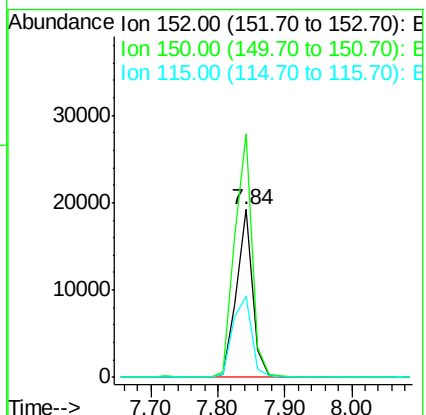
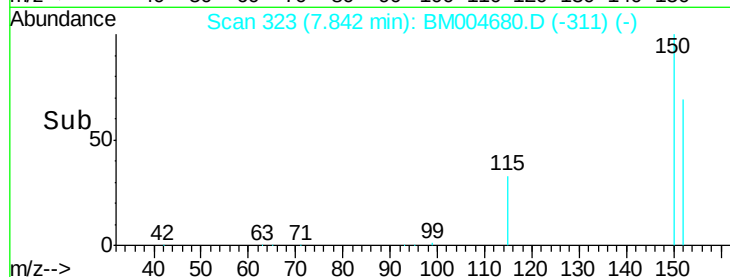
152 100

150 145.4 115.9 173.9

115 48.1 38.4 57.6

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#2

1,4-Dioxane

Concen: 0.22 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

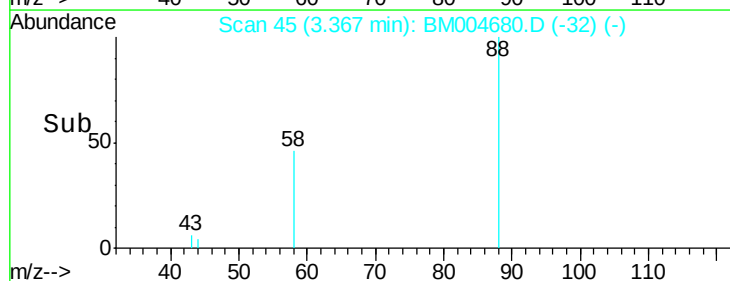
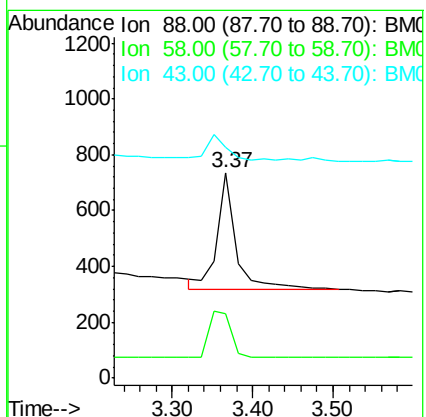
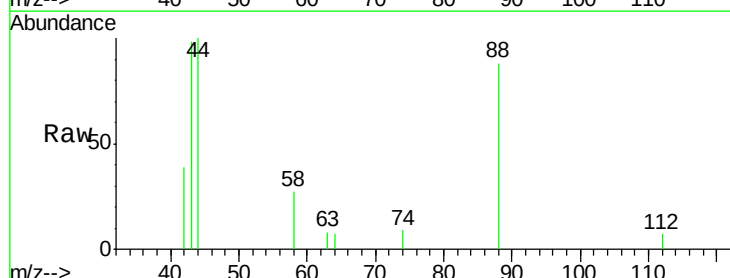
Tgt Ion: 88 Resp: 683

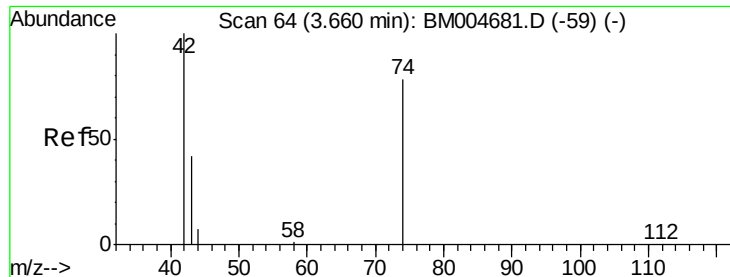
Ion Ratio Lower Upper

88 100

58 47.4 43.9 65.9

43 19.9 19.9 29.9#





#3

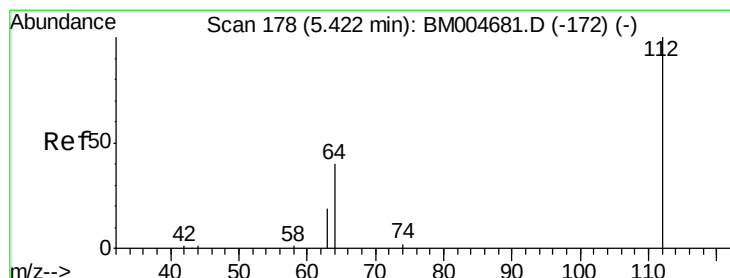
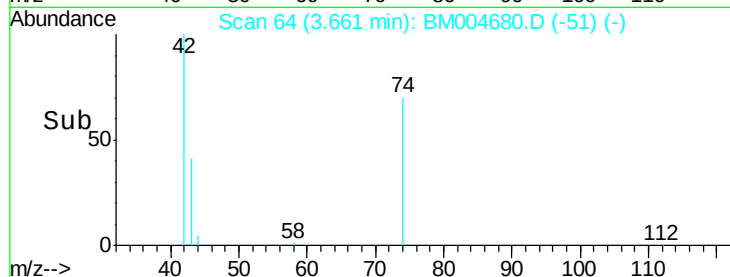
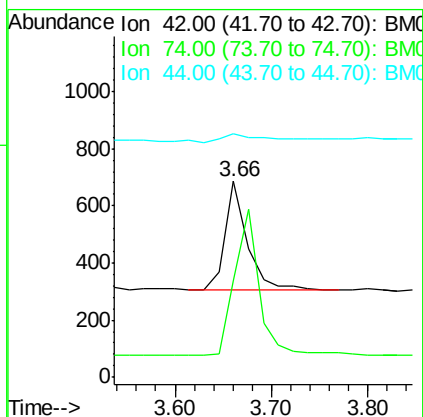
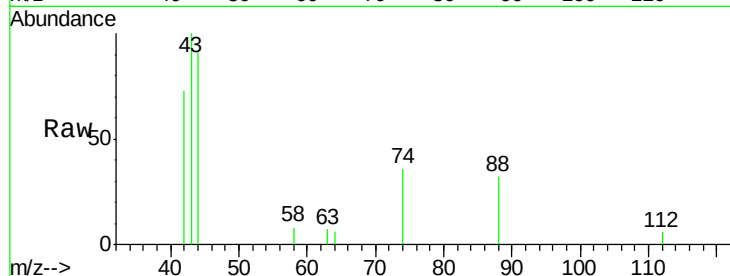
n-Nitrosodimethylamine
Concen: 0.18 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampled :
SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
42	100		
74	152.9	120.9	181.3
44	13.6	6.0	9.0#

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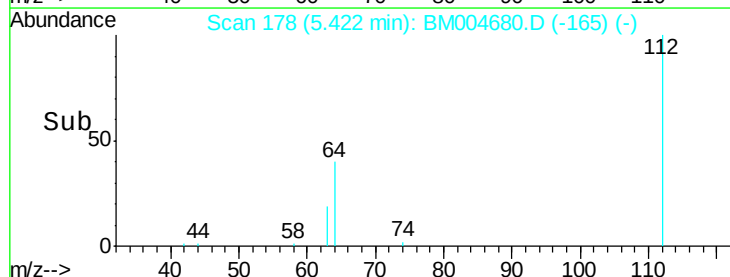
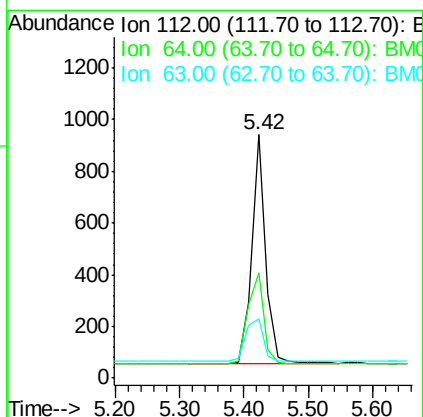
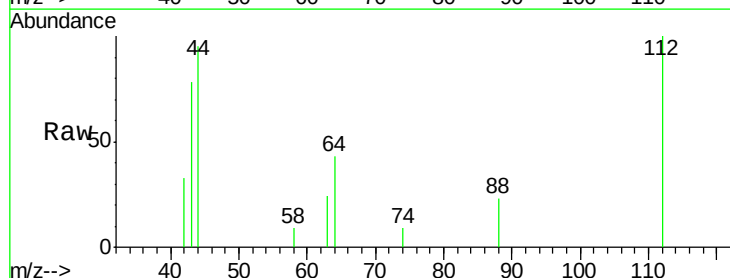
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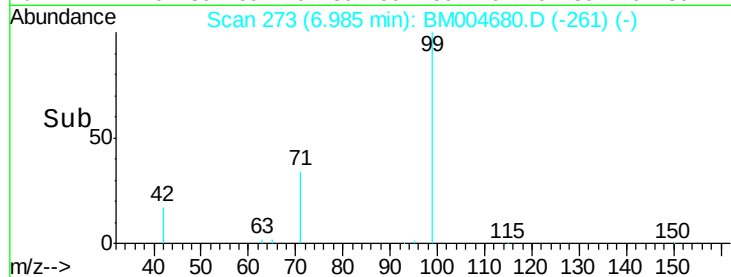
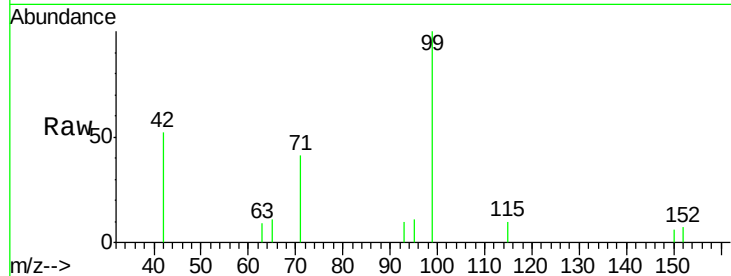
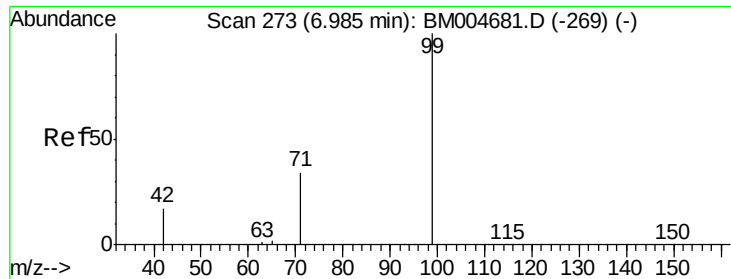


#4

2-Fluorophenol
Concen: 0.18 ng
RT: 5.42 min Scan# 178
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	37.0	55.6
63	23.4	19.3	28.9





#5

Phenol-d6

Concen: 0.18 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion:	99	Resp:	1616
Ion	Ratio	Lower	Upper
99	100		
42	19.7	12.7	19.1#
71	28.5	22.9	34.3

Instrument :

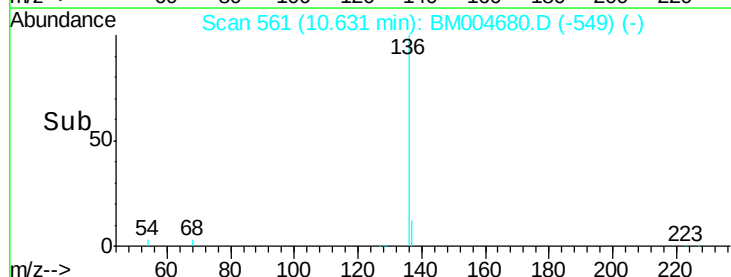
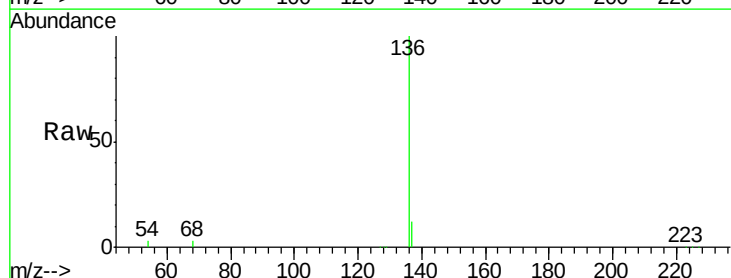
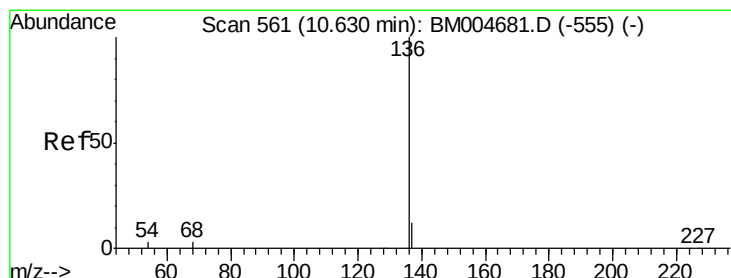
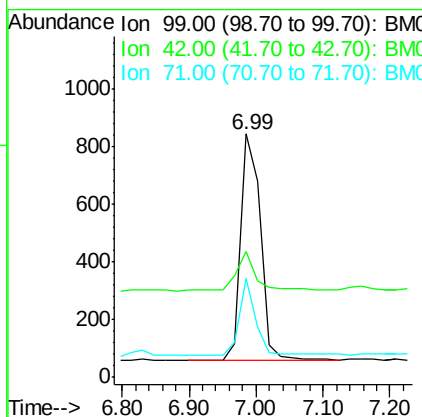
BNA_M

ClientSampleId :

SSTDIC0.2

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#6

Naphthalene-d8

Concen: 5.00 ng

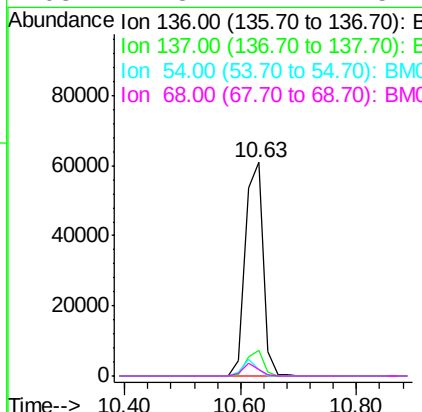
RT: 10.63 min Scan# 561

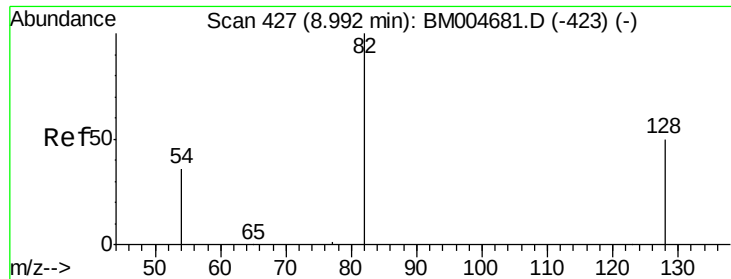
Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion:	136	Resp:	130512
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.4	14.2
54	2.8	2.2	3.4
68	2.8	2.2	3.4





#7

Nitrobenzene-d5

Concen: 0.18 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

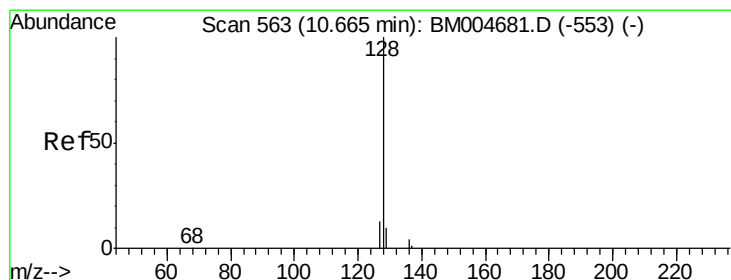
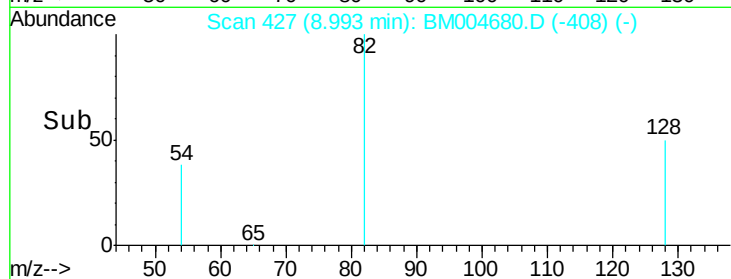
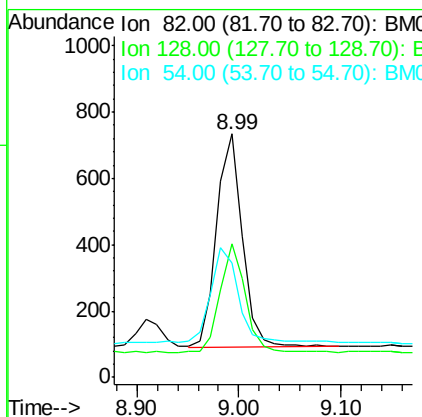
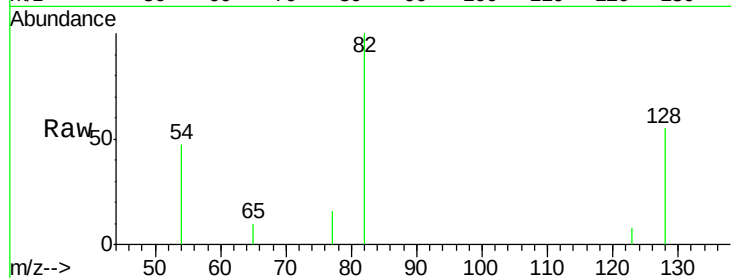
ClientSampleId :

SSTDIC0.2

Tgt Ion	82	Resp:	1119
Ion Ratio	Lower	Upper	
82	100		
128	54.8	41.8	62.8
54	47.1	32.9	49.3

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#8

Naphthalene

Concen: 0.19 ng

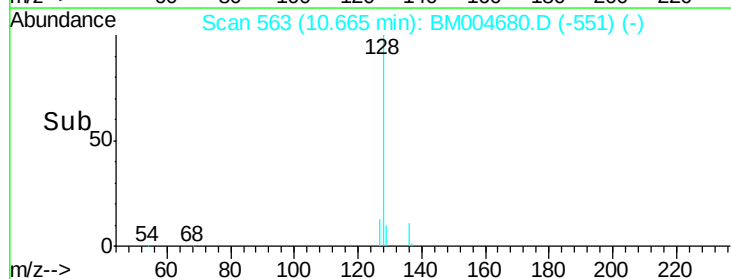
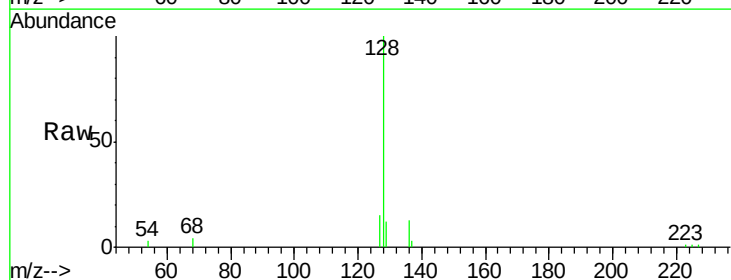
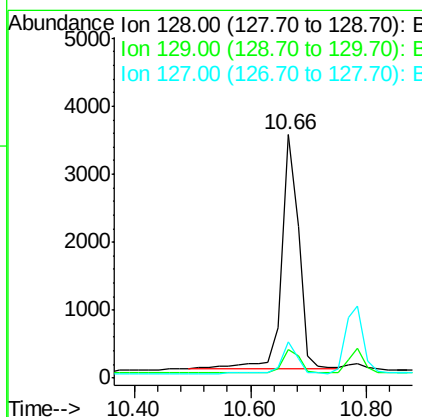
RT: 10.66 min Scan# 563

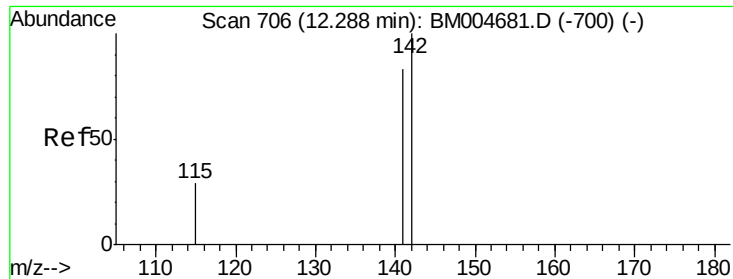
Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion	128	Resp:	6973
Ion Ratio	Lower	Upper	
128	100		
129	11.9	8.9	13.3
127	14.8	11.3	16.9





#9

2-Methylnaphthalene

Concen: 0.18 ng

RT: 12.29 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

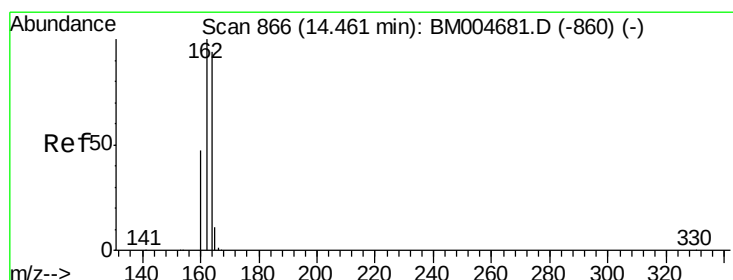
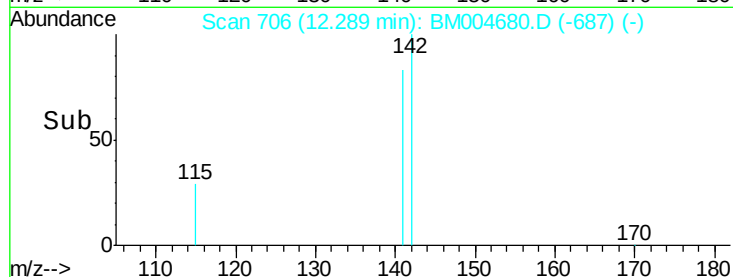
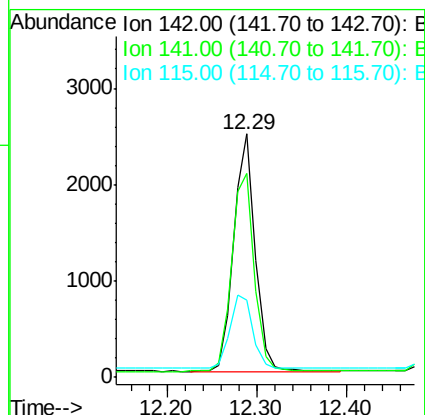
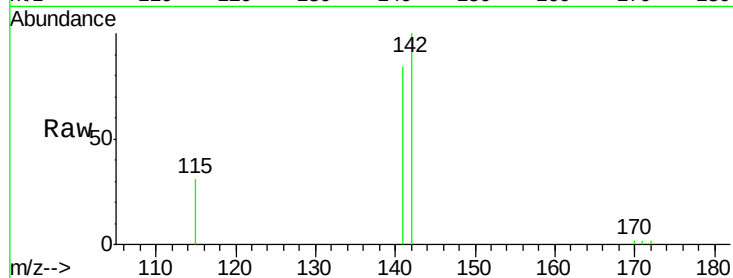
ClientSampleId :

SSTDICC0.2

Tgt Ion:	142	Resp:	4080
Ion Ratio	Lower	Upper	
142	100		
141	83.7	66.2	99.2
115	31.5	23.8	35.8

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#10

Acenaphthene-d10

Concen: 5.00 ng

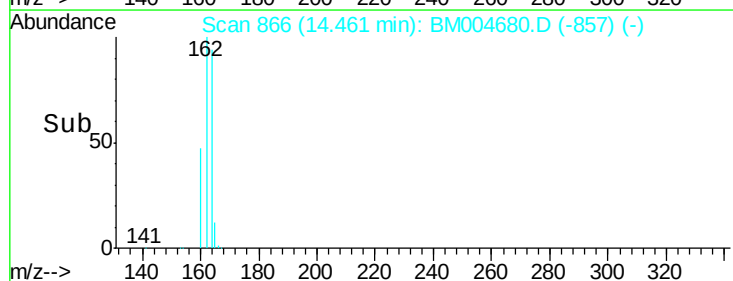
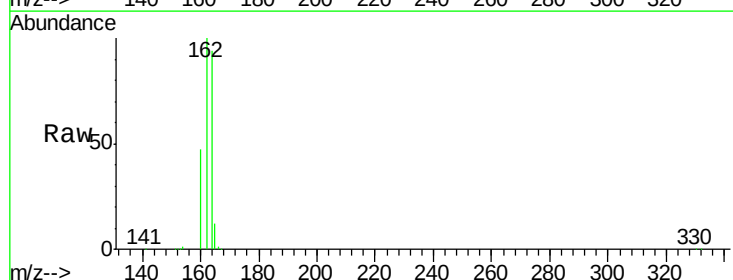
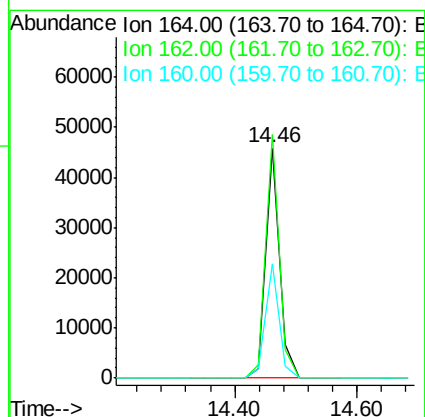
RT: 14.46 min Scan# 866

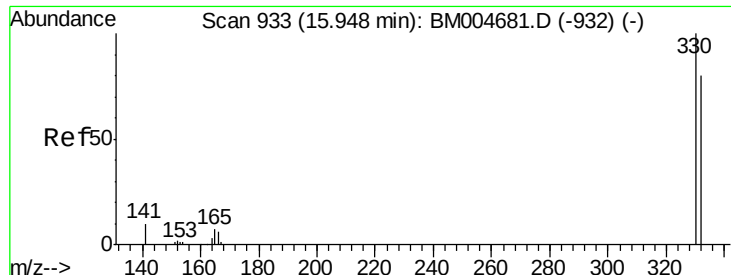
Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion:	164	Resp:	72295
Ion Ratio	Lower	Upper	
164	100		
162	105.9	85.4	128.0
160	49.7	40.2	60.2





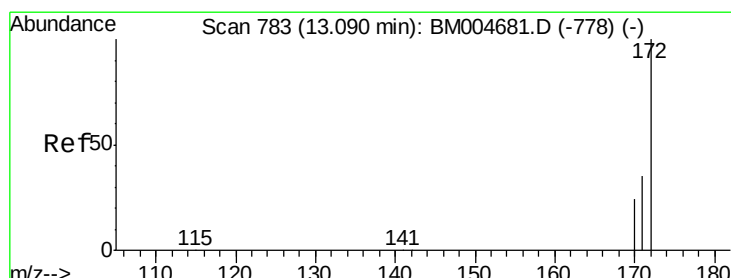
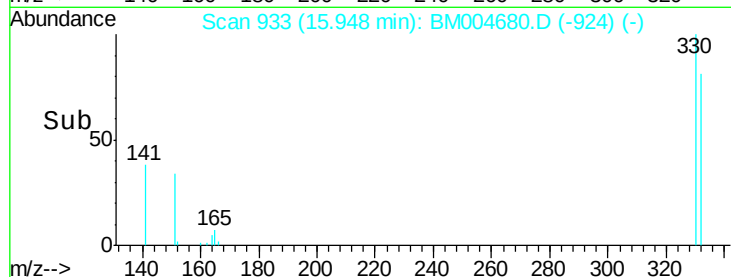
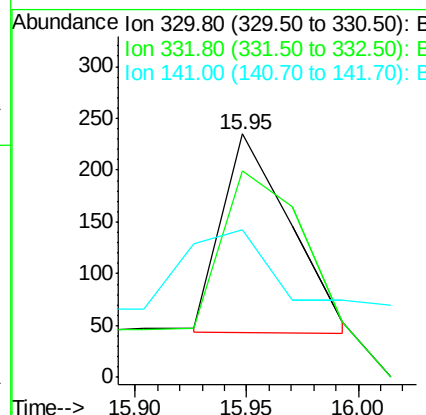
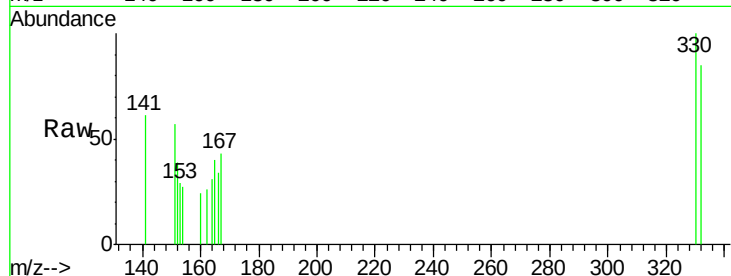
#11
 2,4,6-Tribromophenol
 Concen: 0.17 ng m
 RT: 15.95 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004680.D
 Acq: 18 Mar 2016 13:29

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC0.2

Tgt Ion	Ratio	Lower	Upper
330	100		
332	151.8	93.9	140.9#
141	54.5	42.2	63.2

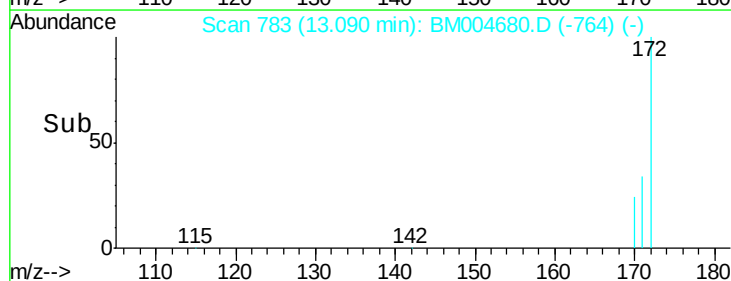
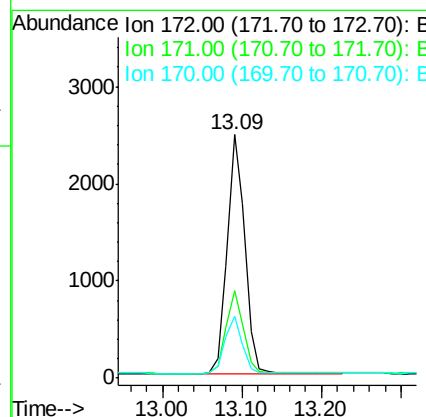
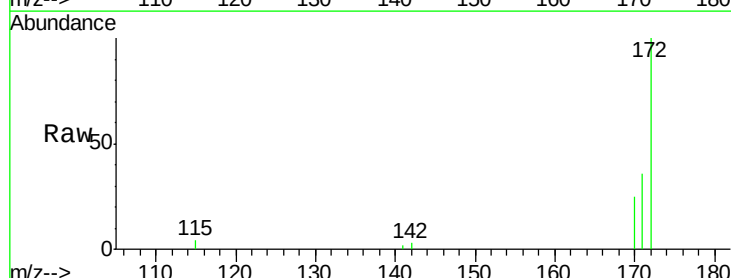
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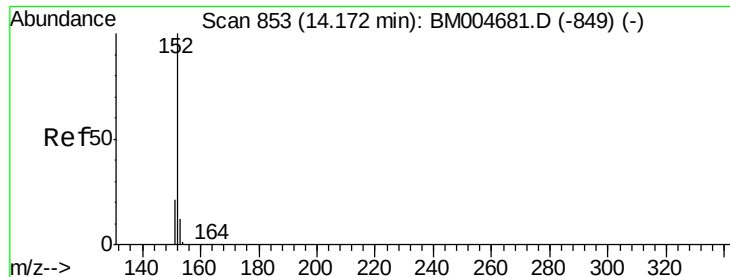
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#12
 2-Fluorobiphenyl
 Concen: 0.18 ng
 RT: 13.09 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BM004680.D
 Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.2
170	25.5	19.4	29.2





#13

Acenaphthylene

Concen: 0.17 ng

RT: 14.17 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

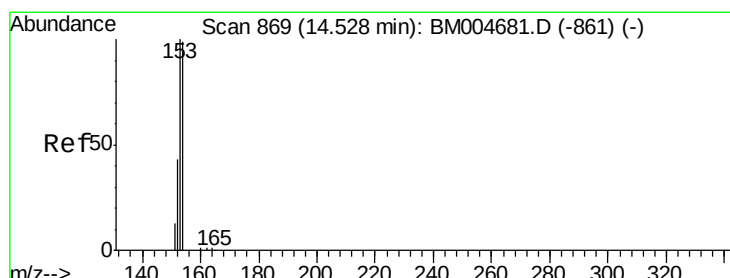
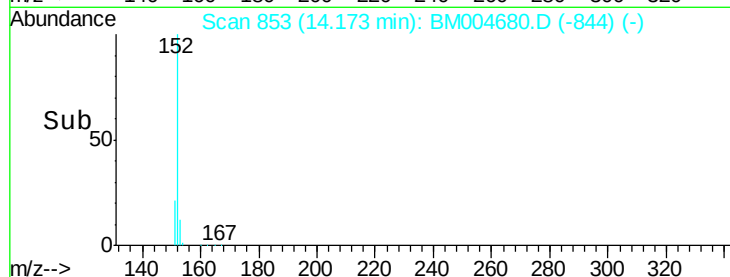
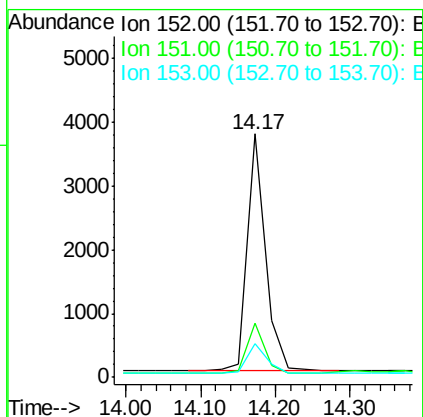
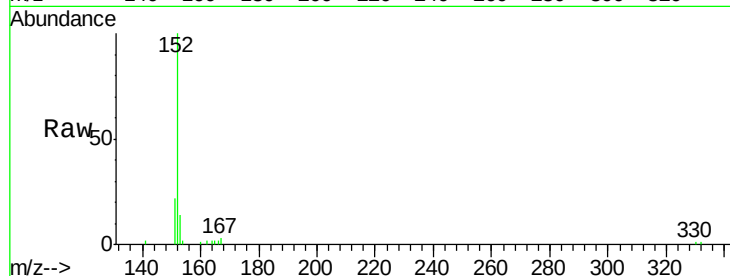
ClientSampleId :

SSTDICC0.2

Tgt Ion:	152	Resp:	6322
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.8	23.6
153	12.7	10.2	15.2

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#14

Acenaphthene

Concen: 0.19 ng

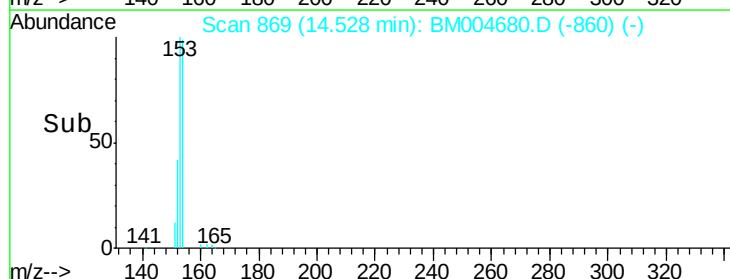
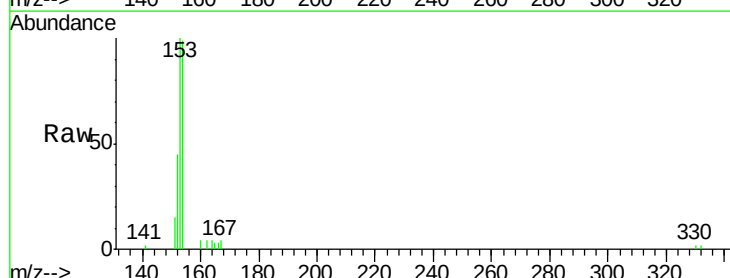
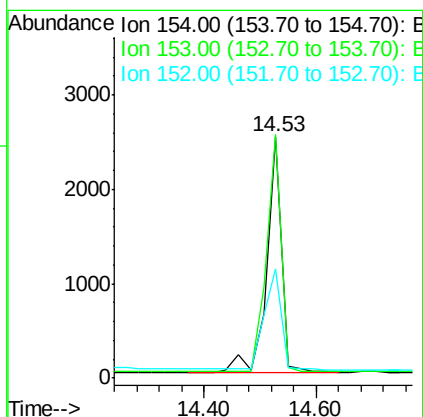
RT: 14.53 min Scan# 869

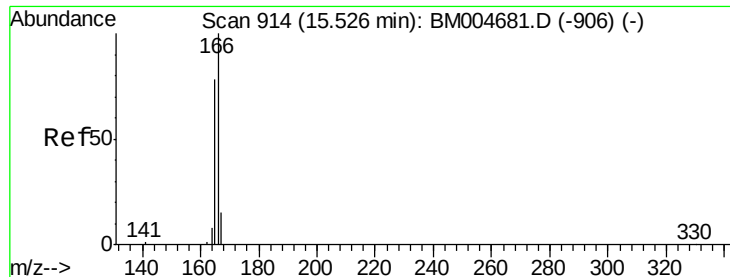
Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion:	154	Resp:	4576
Ion Ratio	Lower	Upper	
154	100		
153	101.6	83.8	125.6
152	49.4	40.3	60.5





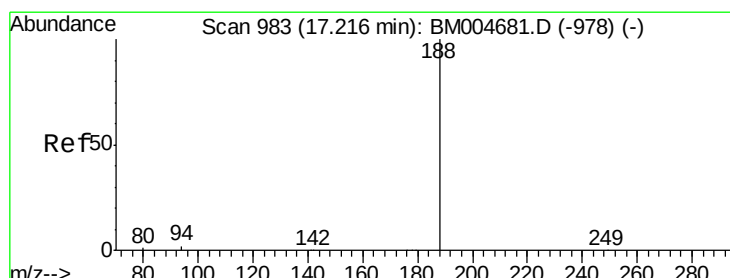
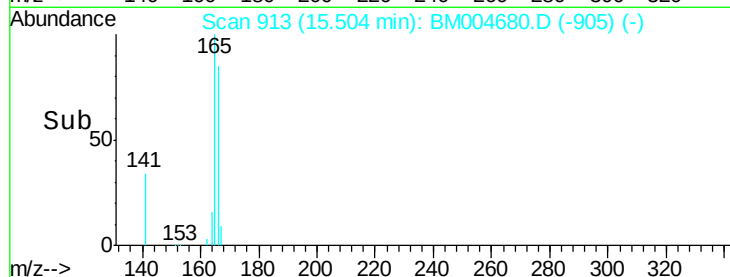
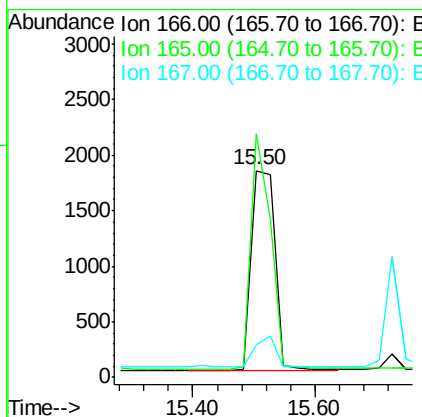
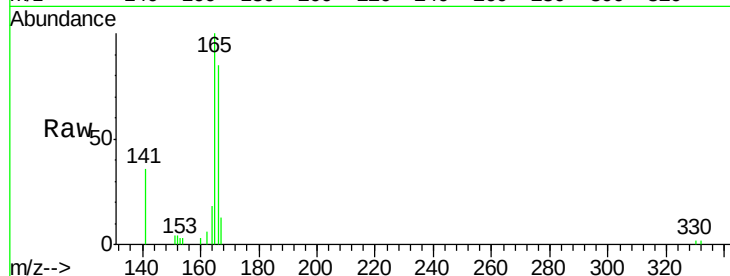
#15
Fluorene
Concen: 0.18 ng
RT: 15.50 min Scan# 913
Delta R.T. -0.02 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampleId :
SSTDICC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	4897		
165	97.1	0.0	0.0	0.0
167	0.0	10.6	15.8	

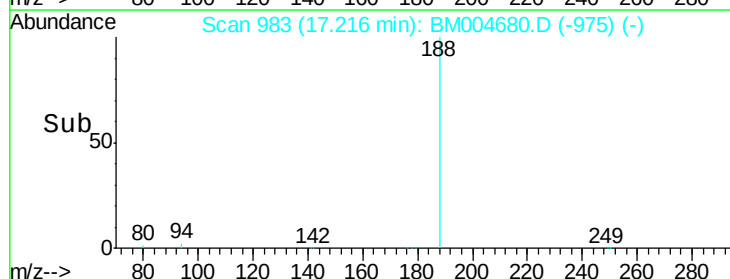
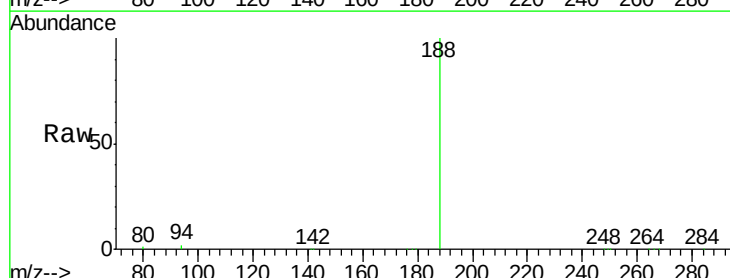
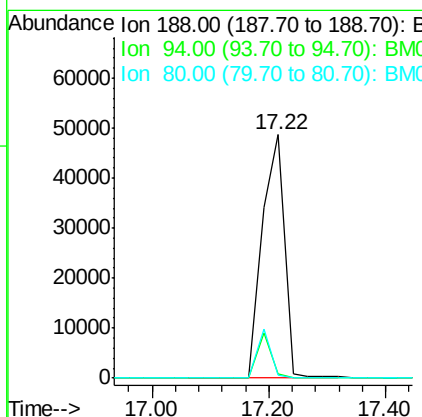
Manual Integrations
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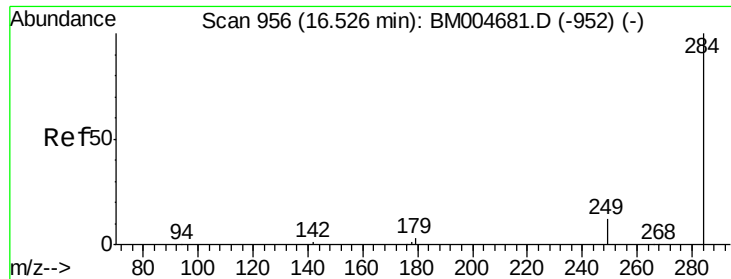
mohammad
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#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.22 min Scan# 983
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	129575		
94	1.8	1.4	2.0	
80	1.4	1.0	1.6	





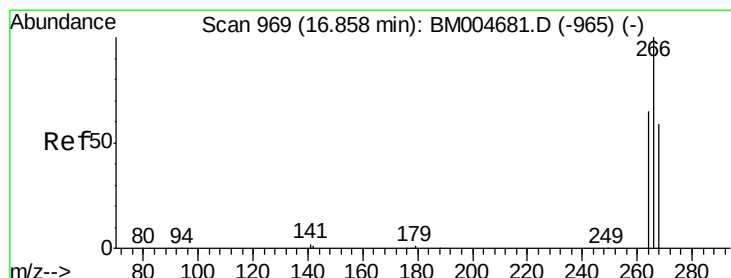
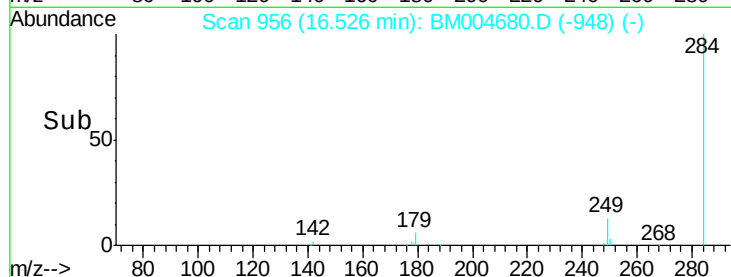
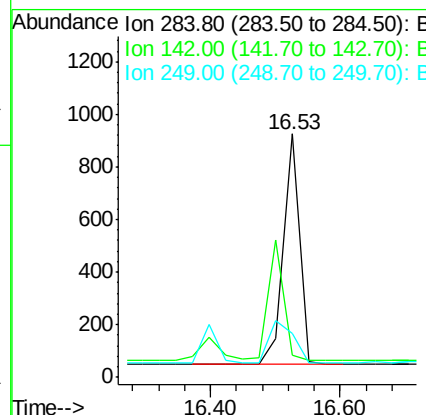
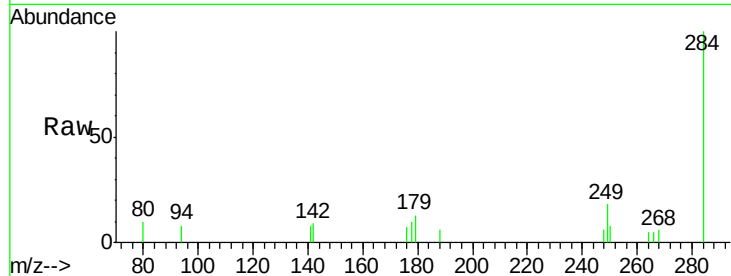
#17
Hexachlorobenzene
Concen: 0.19 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	1517		
142	0.0	0.0	0.0	0.0
249	0.0	0.0	0.0	0.0

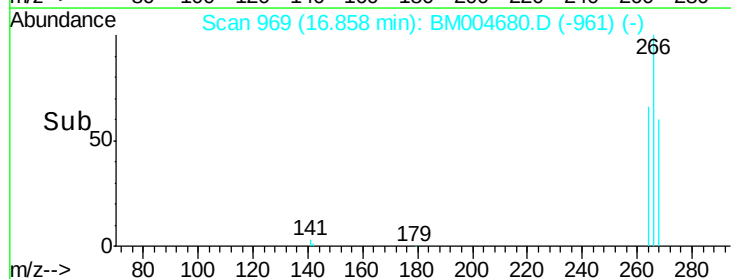
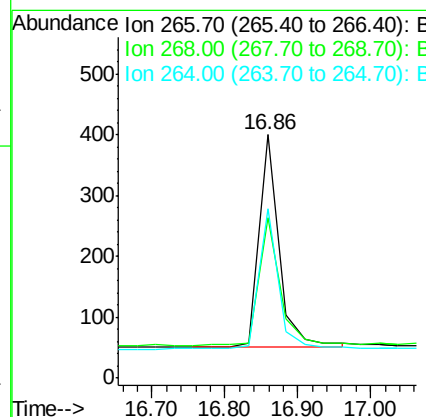
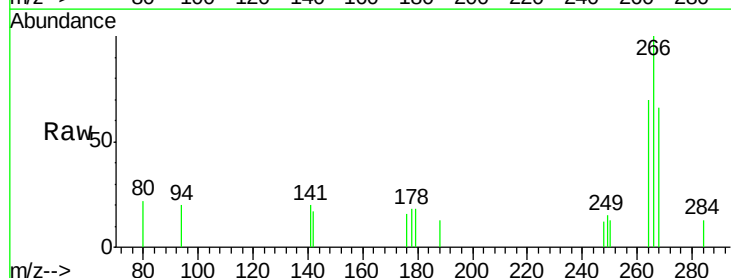
Manual Integrations
APPROVED

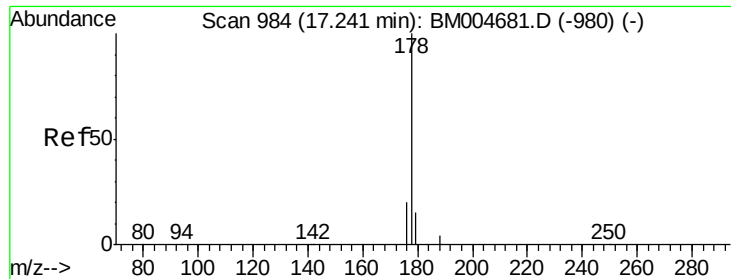
mohammad
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#18
Pentachlorophenol
Concen: 0.15 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	666		
268	65.8	49.1	73.7	
264	69.8	52.9	79.3	





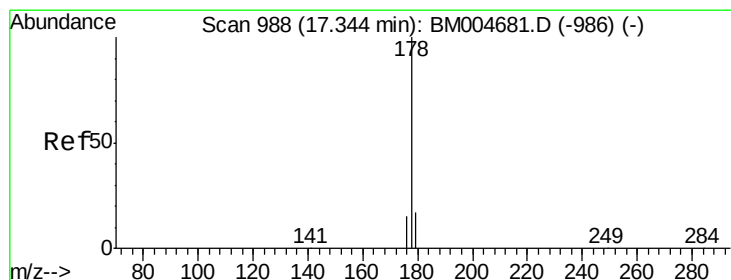
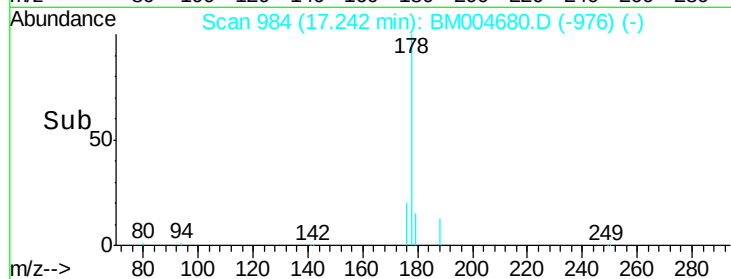
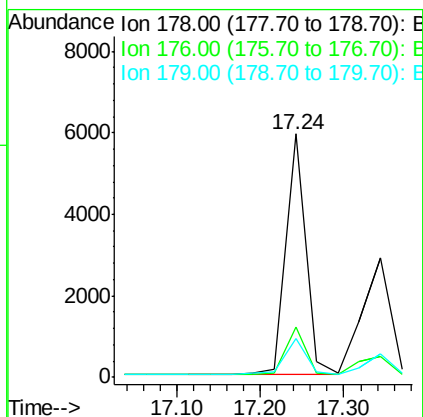
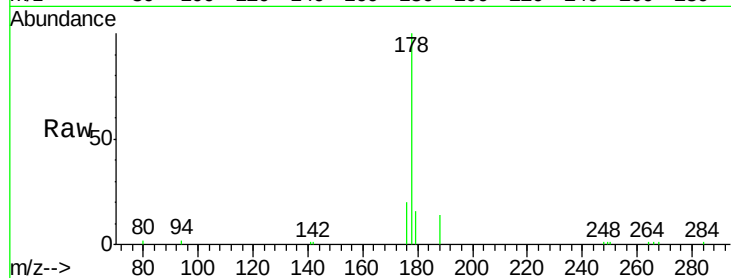
#19
Phenanthrene
Concen: 0.19 ng
RT: 17.24 min Scan# 984
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tgt Ion:	178	Resp:	9841
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.5	23.3
179	15.9	12.2	18.4

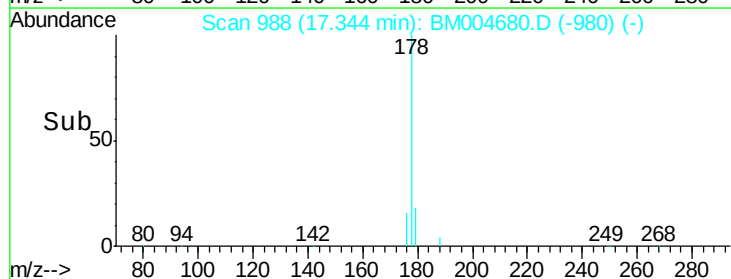
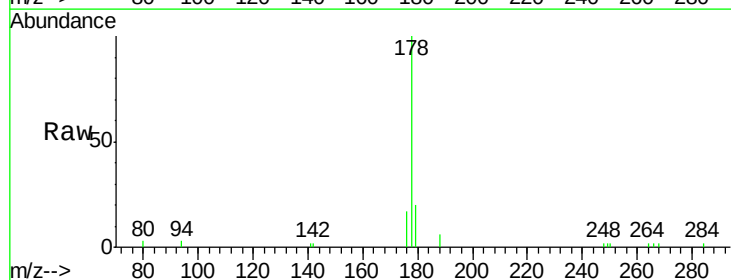
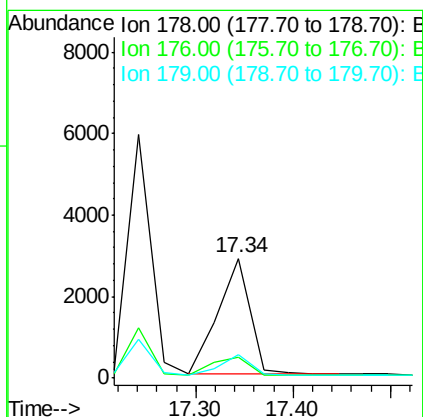
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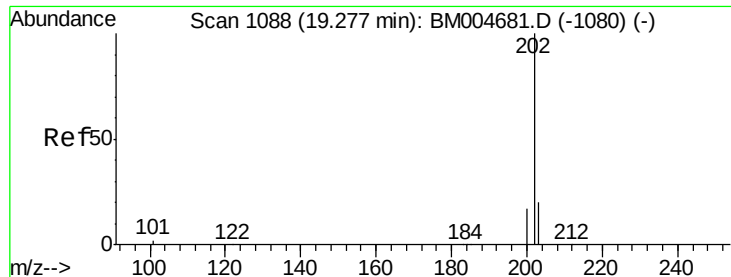
mohammad
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#20
Anthracene
Concen: 0.18 ng
RT: 17.34 min Scan# 988
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion:	178	Resp:	6524
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.5	21.7
179	15.9	12.6	18.8





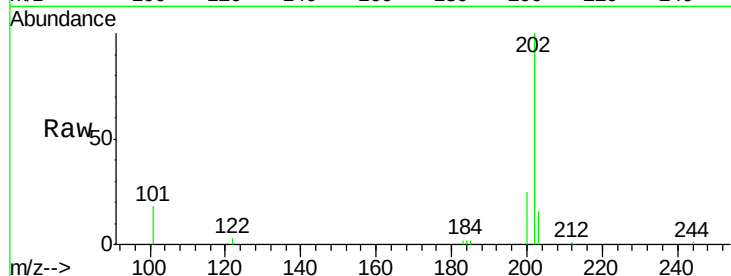
#21
Fluoranthene
Concen: 0.18 ng
RT: 19.26 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

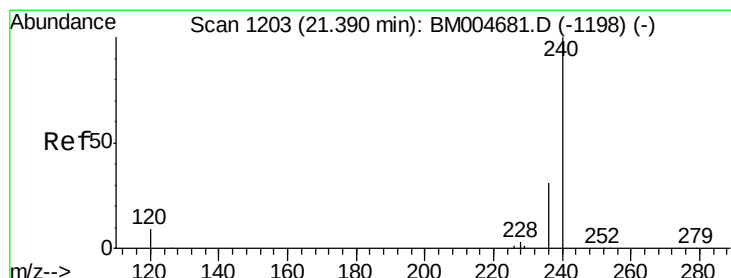
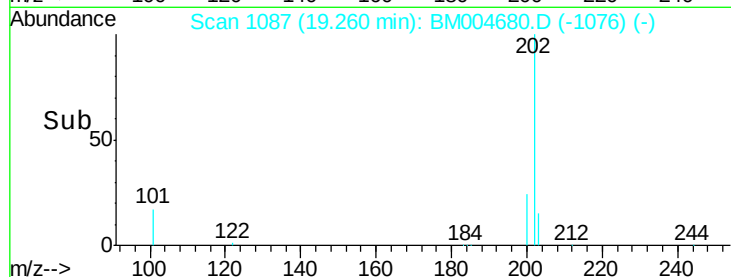
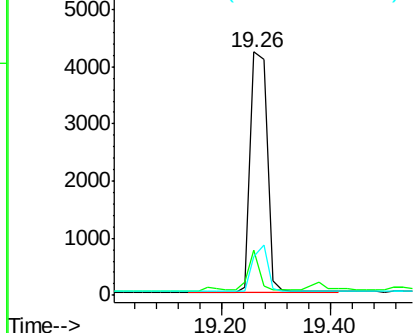
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.7	13.1
203	17.4	14.1	21.1

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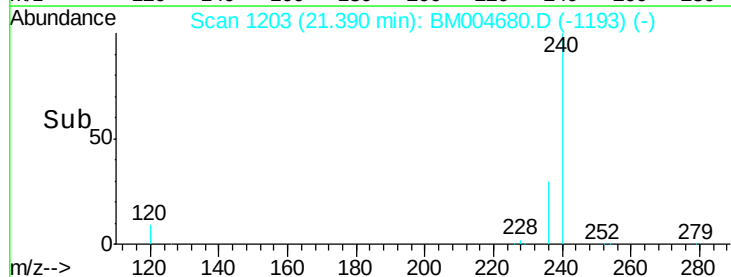
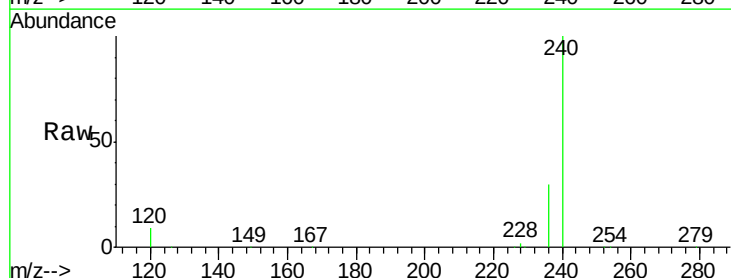
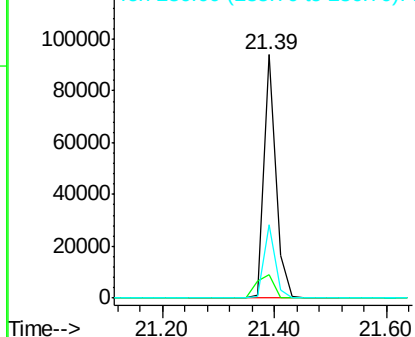
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

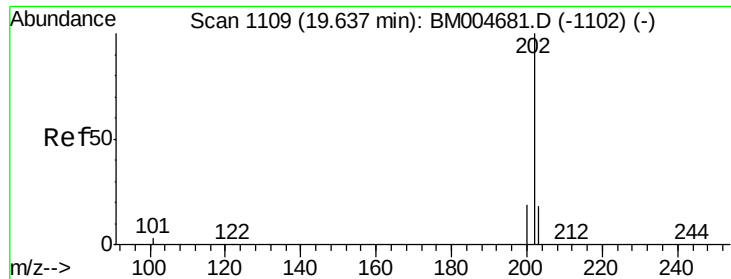


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.4	11.2
236	30.4	24.5	36.7

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





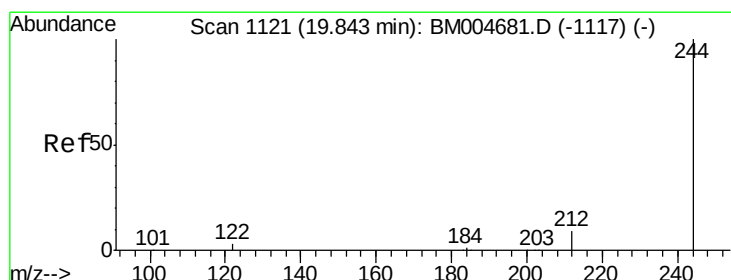
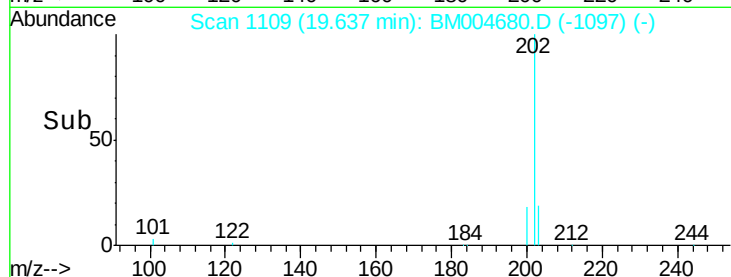
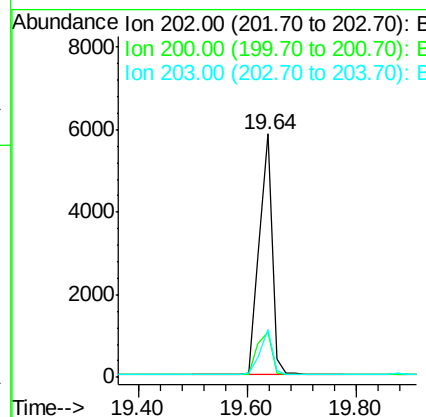
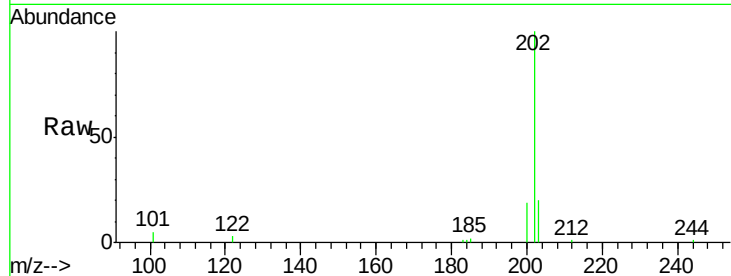
#23
Pyrene
Concen: 0.19 ng
RT: 19.64 min Scan# 1109
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.1	13.9	20.9

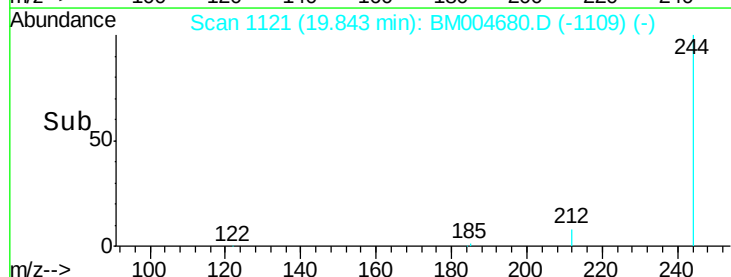
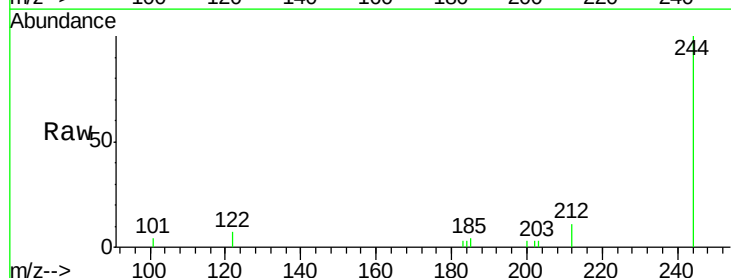
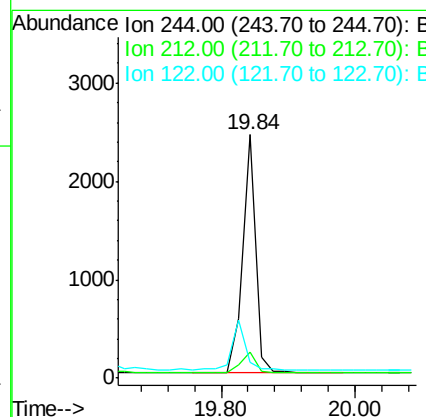
Manual Integrations
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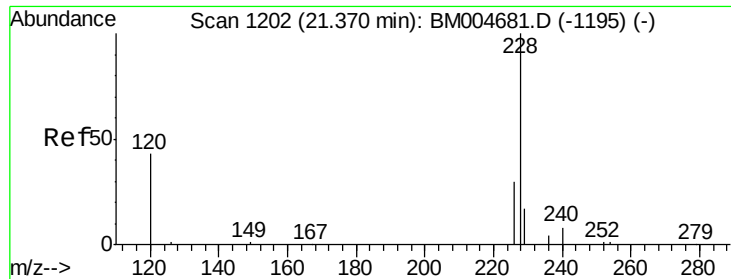
mohammad
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#24
Terphenyl-d14
Concen: 0.19 ng
RT: 19.84 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.9	7.7	11.5
122	6.5	3.4	5.0





#25

Benzo(a)anthracene

Concen: 0.19 ng

RT: 21.37 min Scan# 1202

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

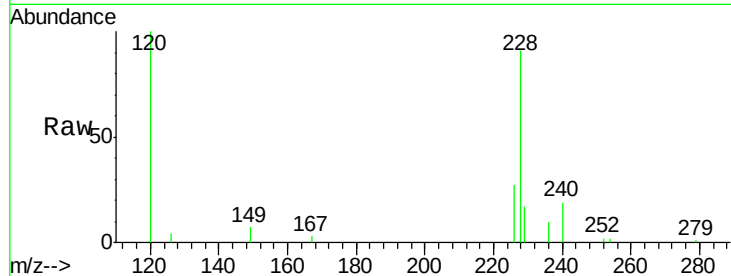
ClientSampleId :

SSTDICC0.2

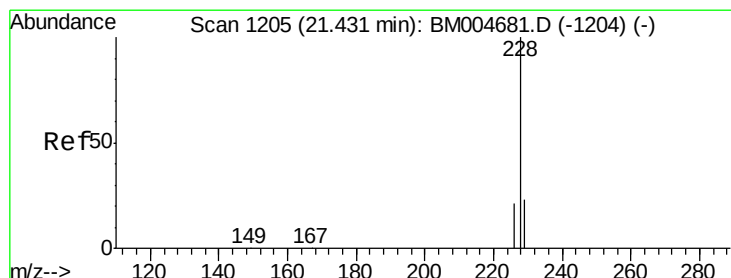
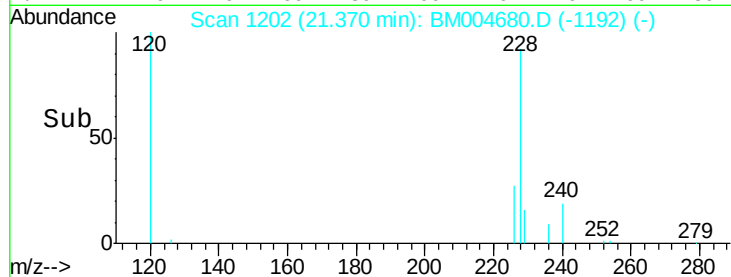
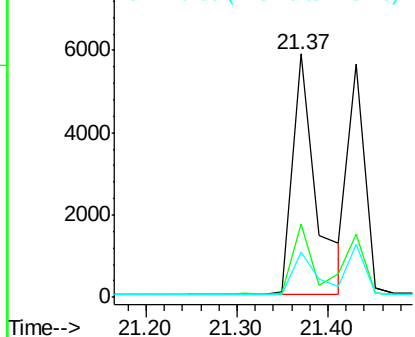
Tgt Ion:	228	Resp:	10638
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.2	36.2
229	18.4	14.2	21.2

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#26

Chrysene

Concen: 0.17 ng m

RT: 21.43 min Scan# 1205

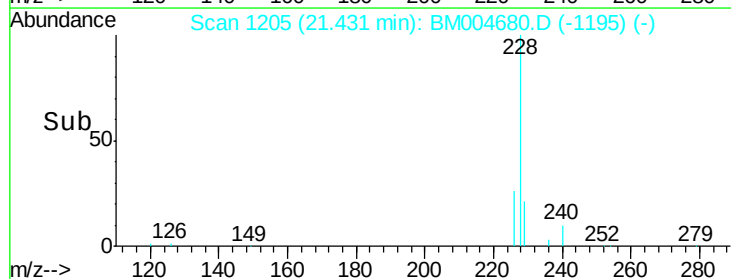
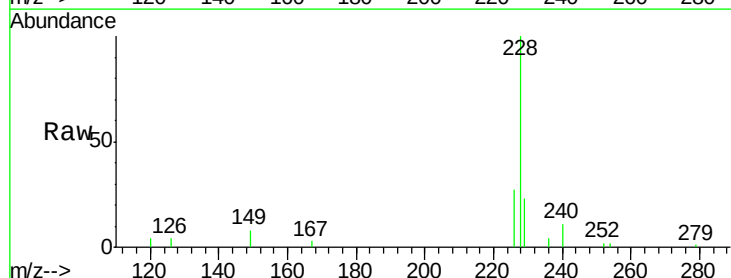
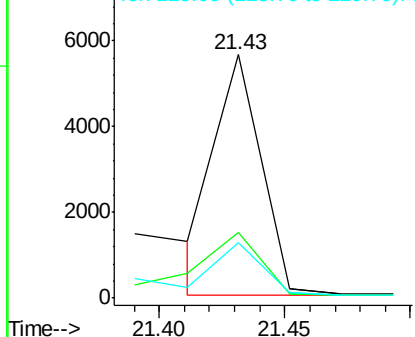
Delta R.T. 0.00 min

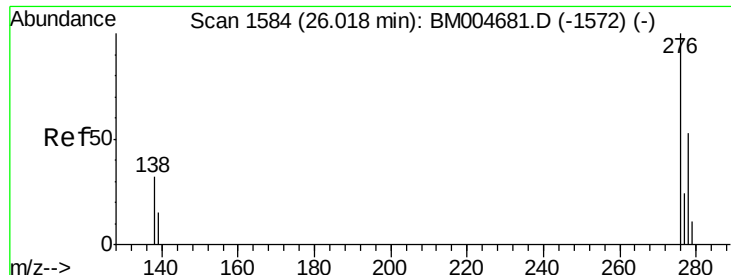
Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion:	228	Resp:	7137
Ion Ratio	Lower	Upper	
228	100		
226	26.9	20.9	31.3
229	22.5	17.4	26.2

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





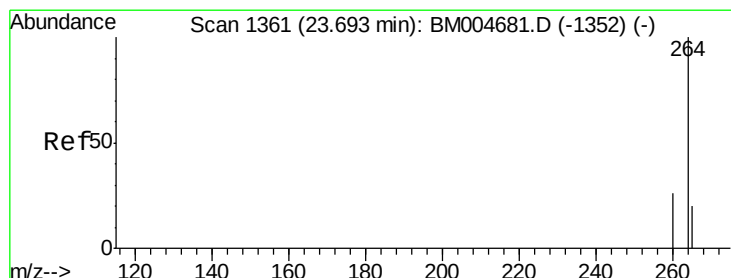
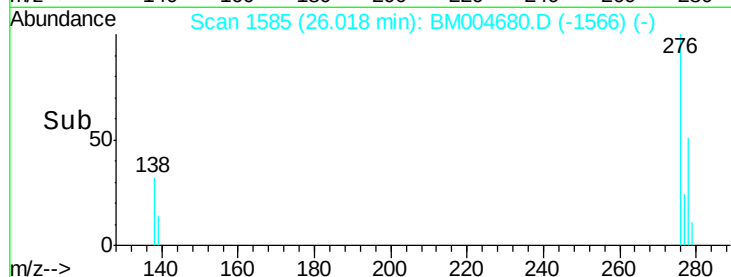
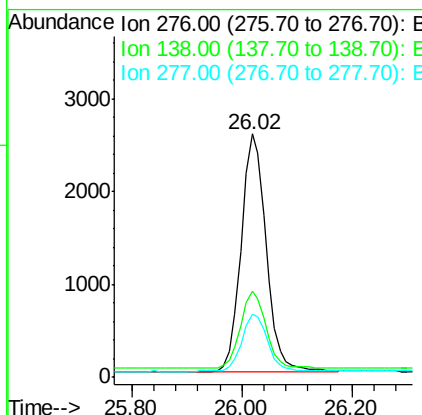
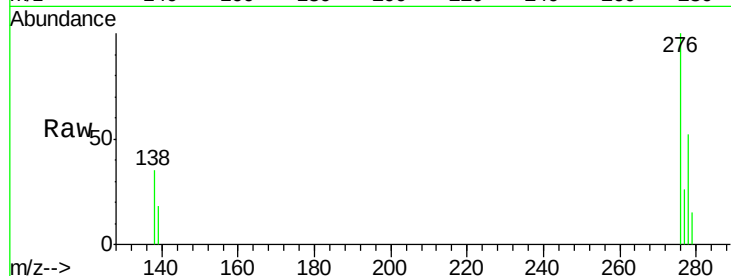
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.18 ng
RT: 26.02 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Instrument :
BNA_M
ClientSampleId :
SSTDIC0.2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.9	38.9
277	24.8	19.8	29.6

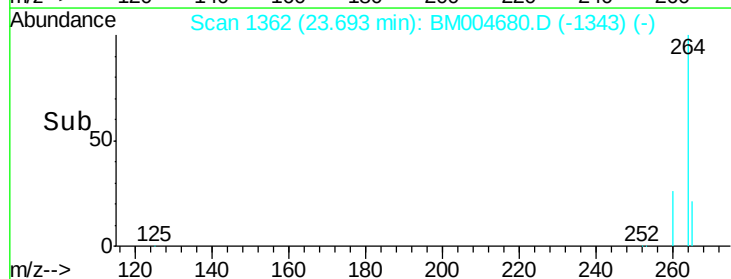
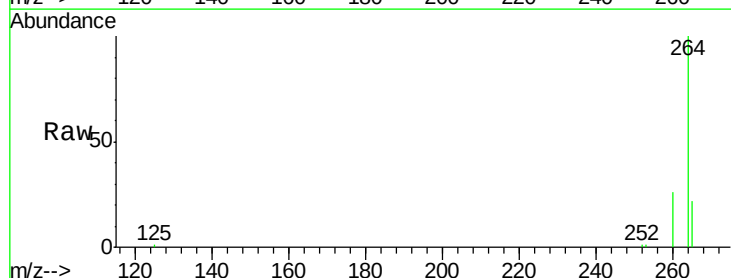
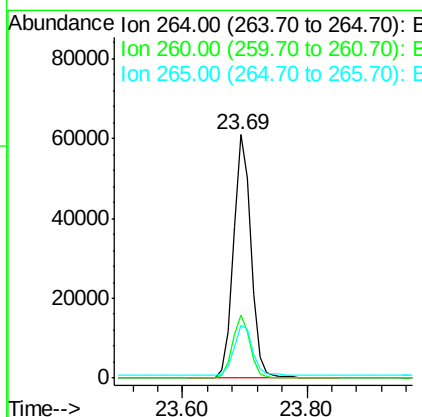
Manual Integrations
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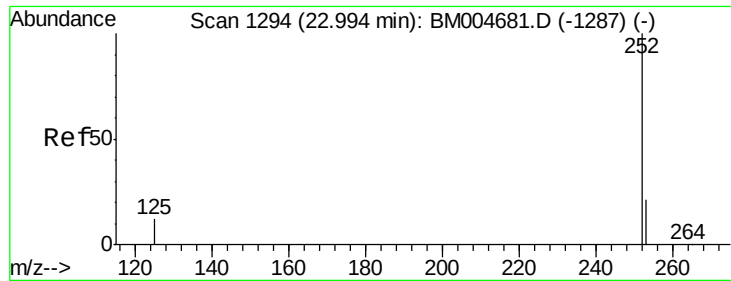
mohammad
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.69 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BM004680.D
Acq: 18 Mar 2016 13:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	21.0	31.4
265	21.8	17.5	26.3





#29

Benzo(b)fluoranthene

Concen: 0.18 ng m

RT: 22.99 min Scan# 1295

Delta R.T. 0.00 min

Lab File: BM004680.D

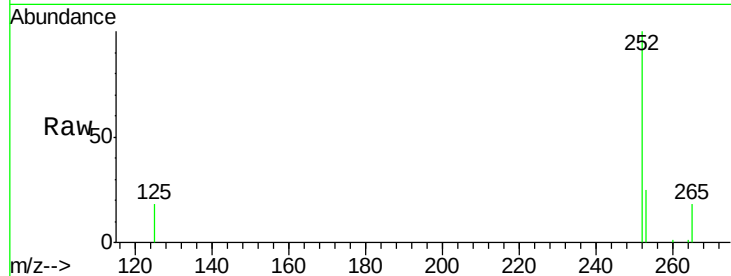
Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

ClientSampleId :

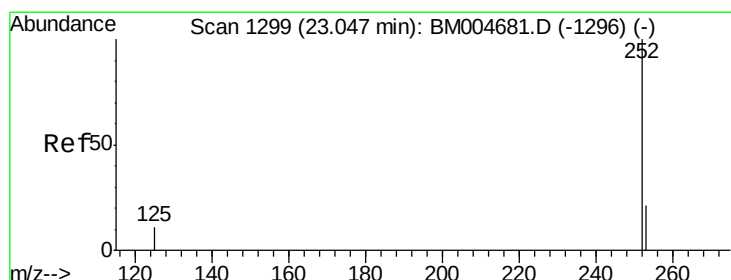
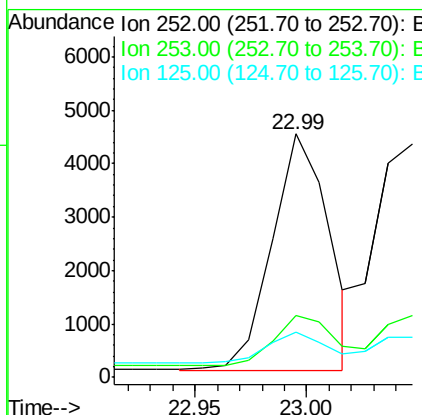
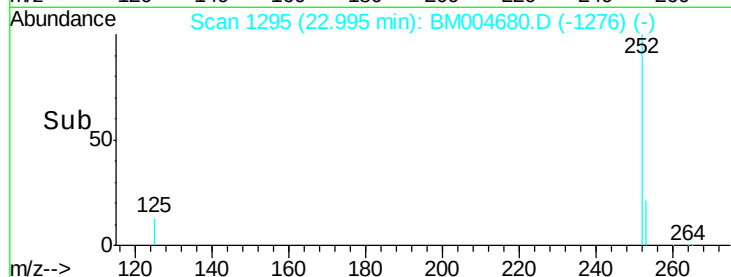
SSTDICC0.2



Tgt Ion:	252	Resp:	7869
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	18.5	11.4	17.0#

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#30

Benzo(k)fluoranthene

Concen: 0.18 ng

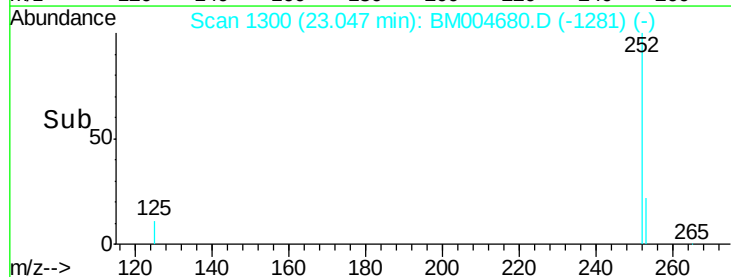
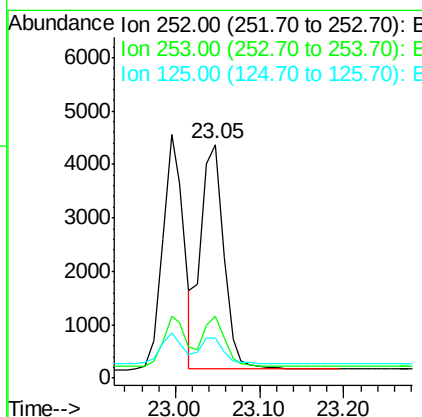
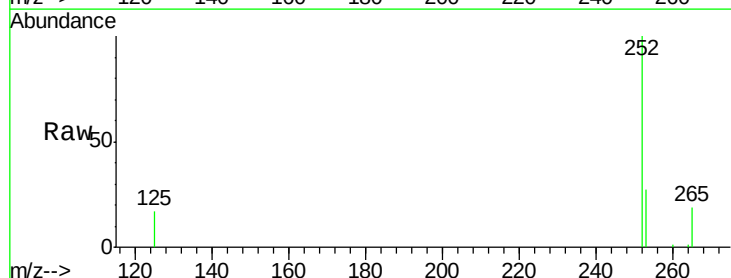
RT: 23.05 min Scan# 1300

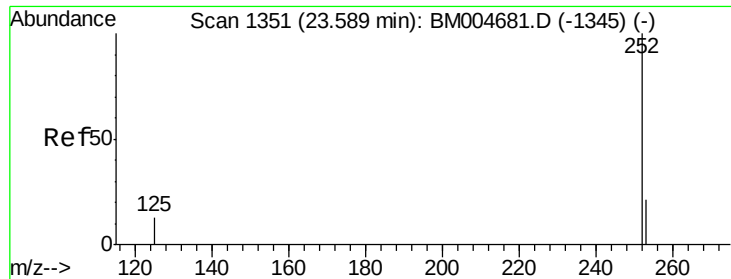
Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Tgt Ion:	252	Resp:	7908
Ion Ratio	Lower	Upper	
252	100		
253	26.5	19.3	28.9
125	17.0	10.6	15.8#





#31

Benzo(a)pyrene

Concen: 0.18 ng

RT: 23.59 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BM004680.D

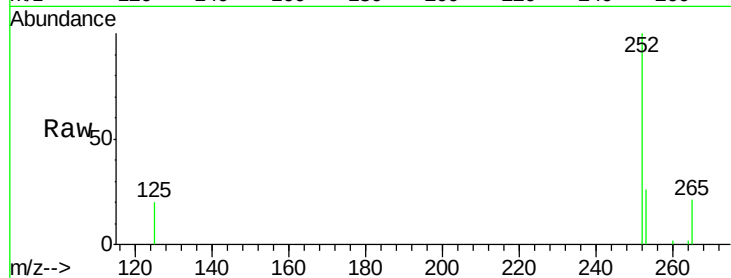
Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

ClientSampleId :

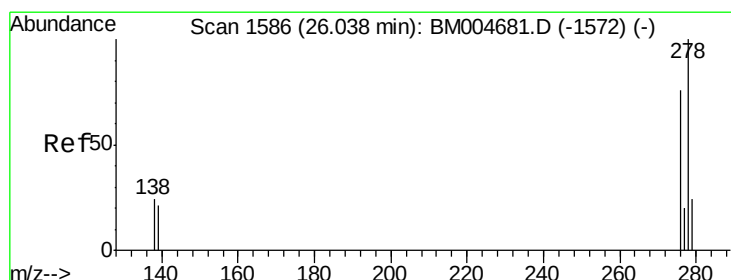
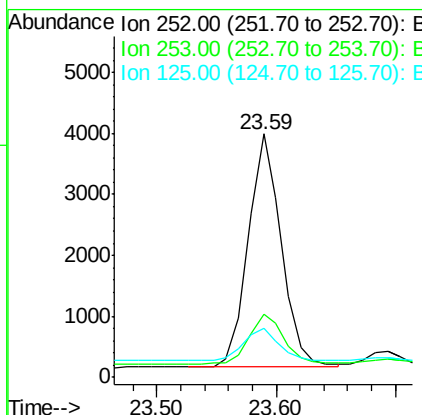
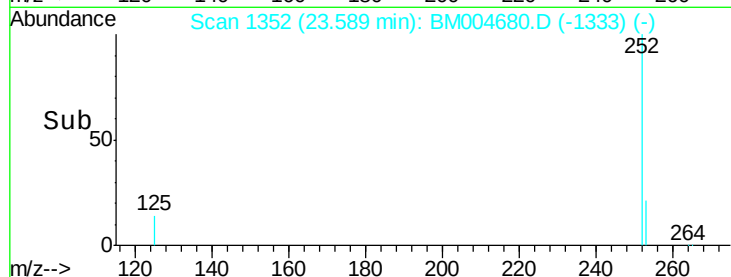
SSTDICC0.2



Tgt Ion:	252	Resp:	7384
Ion Ratio	Lower	Upper	
252	100		
253	25.8	18.6	28.0
125	19.9	12.3	18.5#

Manual Integrations
APPROVED

mohammad
3/21/2016 2:42:49 PM



#32

Dibenzo(a,h)anthracene

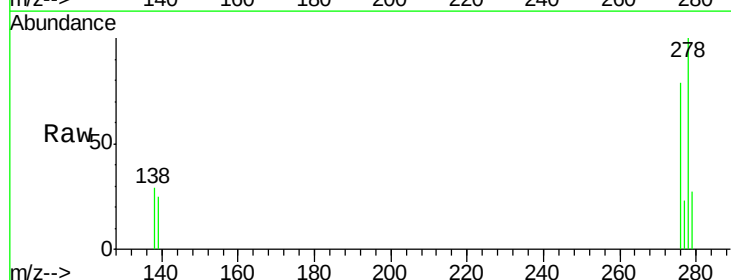
Concen: 0.18 ng

RT: 26.04 min Scan# 1587

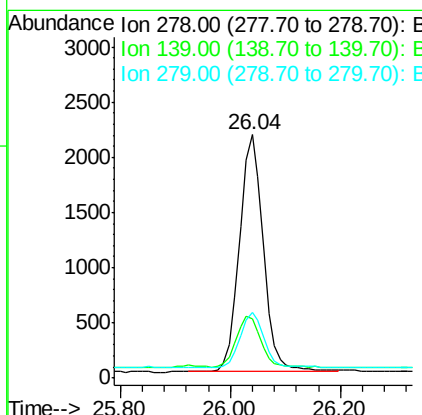
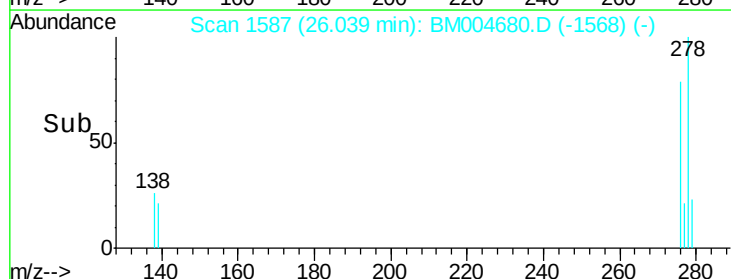
Delta R.T. 0.00 min

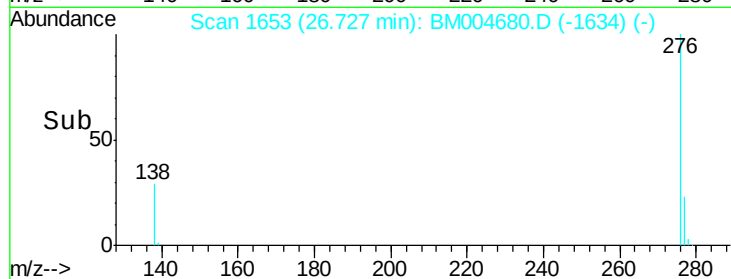
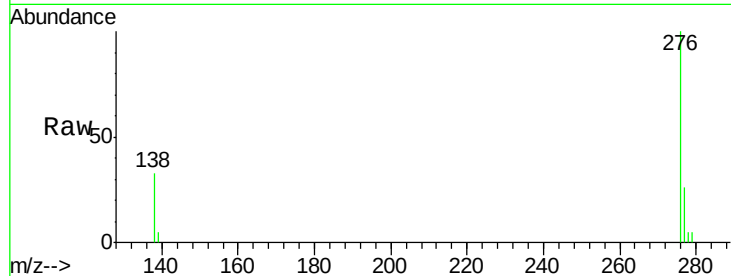
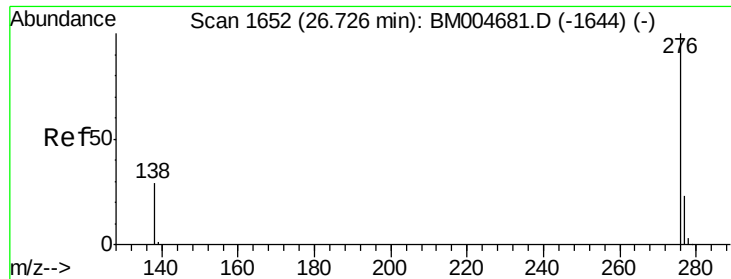
Lab File: BM004680.D

Acq: 18 Mar 2016 13:29



Tgt Ion:	278	Resp:	6507
Ion Ratio	Lower	Upper	
278	100		
139	24.6	17.6	26.4
279	26.9	19.9	29.9





#33

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 26.73 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BM004680.D

Acq: 18 Mar 2016 13:29

Instrument :

BNA_M

ClientSampleId :

SSTDIC0.2

Tgt Ion:	276	Resp:	6998
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.1	28.7
138	32.8	24.5	36.7

Manual Integrations
APPROVED

mohammad
3/21/2016 2:42:49 PM

