

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
 Data File : BM004685.D
 Acq On : 18 Mar 2016 16:31
 Operator : UM/SJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Manual Integrations
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Quant Time: Mar 19 02:44:17 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	27385	5.00	ng	0.00
6) Naphthalene-d8	10.63	136	114309	5.00	ng	0.00
10) Acenaphthene-d10	14.46	164	64240	5.00	ng	0.00
16) Phenanthrene-d10	17.22	188	114957	5.00	ng	0.00
22) Chrysene-d12	21.39	240	133366	5.00	ng	0.00
28) Perylene-d12	23.69	264	116260	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	32111	5.08	ng	0.00
5) Phenol-d6	6.99	99	40425	5.22	ng	0.00
7) Nitrobenzene-d5	8.99	82	29065	5.28	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	11366m	5.38	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	92105	5.01	ng	0.00
24) Terphenyl-d14	19.84	244	86916	5.16	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	12050	4.46	ng	91
3) n-Nitrosodimethylamine	3.66	42	14472	5.11	ng	96
8) Naphthalene	10.66	128	152417	4.85	ng	98
9) 2-Methylnaphthalene	12.29	142	101322	5.14	ng	99
13) Acenaphthylene	14.17	152	178294	5.40	ng	100
14) Acenaphthene	14.53	154	111723	5.11	ng	99
15) Fluorene	15.53	166	123095	5.02	ng	# 99
17) Hexachlorobenzene	16.53	284	38192	5.39	ng	# 100
18) Pentachlorophenol	16.86	266	22943	5.91	ng	98
19) Phenanthrene	17.24	178	241331	5.23	ng	100
20) Anthracene	17.34	178	176911	5.38	ng	99
21) Fluoranthene	19.28	202	232643	5.34	ng	99
23) Pyrene	19.64	202	251291	5.14	ng	100
25) Benzo(a)anthracene	21.37	228	277808	5.22	ng	99
26) Chrysene	21.43	228	193834	4.86	ng	99
27) Indeno(1,2,3-cd)pyrene	26.02	276	231651	5.19	ng	99
29) Benzo(b)fluoranthene	22.99	252	216083	5.12	ng	96
30) Benzo(k)fluoranthene	23.05	252	224541	5.34	ng	96
31) Benzo(a)pyrene	23.59	252	207898	5.24	ng	95
32) Dibenzo(a,h)anthracene	26.04	278	186565	5.26	ng	97
33) Benzo(g,h,i)perylene	26.74	276	193739	4.47	ng	96

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

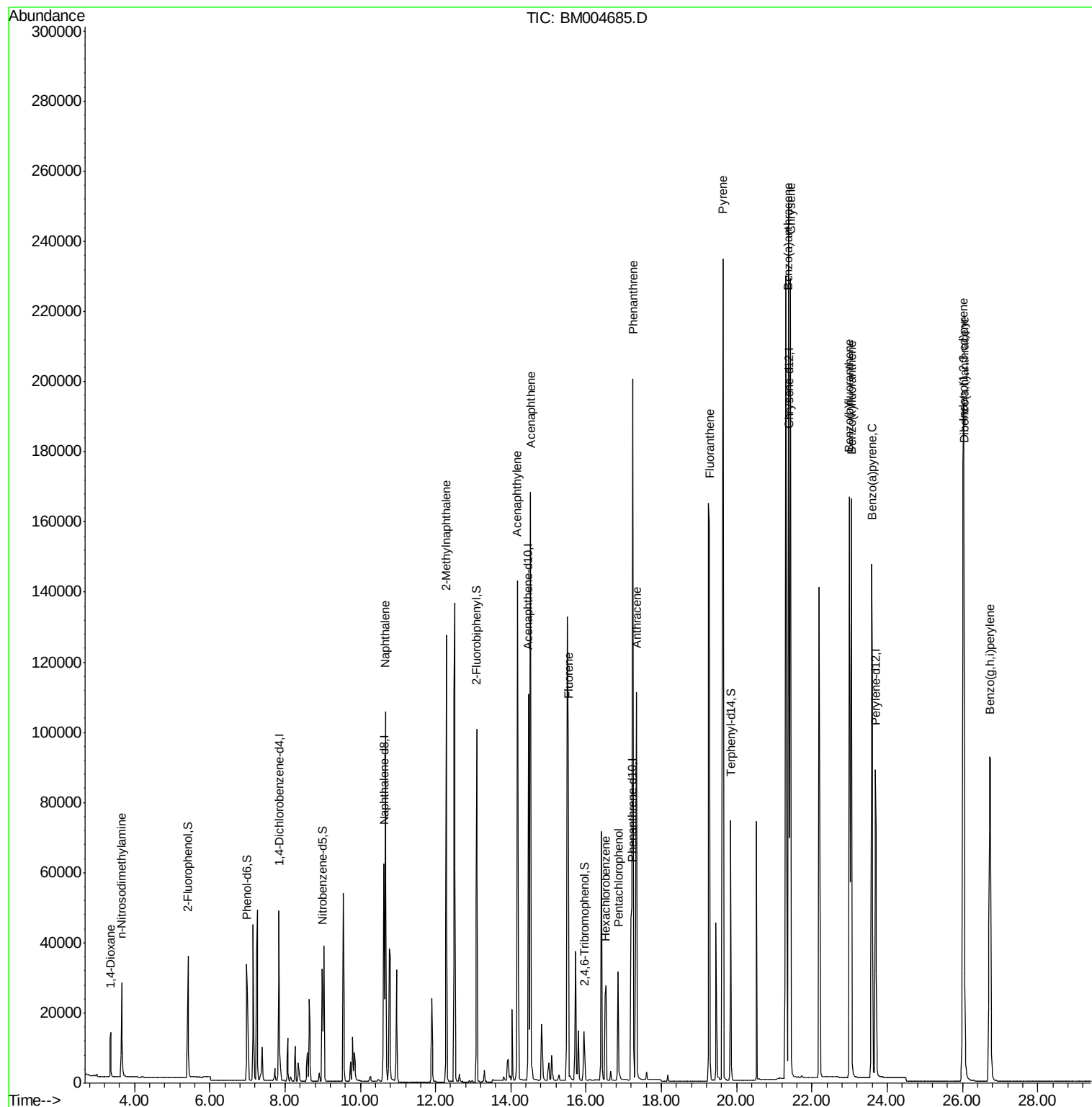
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
Data File : BM004685.D
Acq On : 18 Mar 2016 16:31
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Sample : SSTDIC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

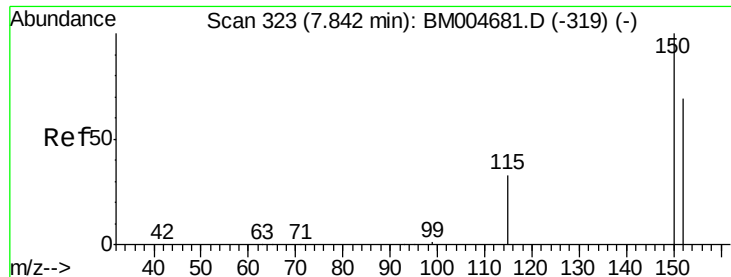
Instrument :
BNA_M
ClientSampleId :
SSTDIC005

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3/21/2016 2:43:06 PM

Quant Time: Mar 19 02:44:17 2016
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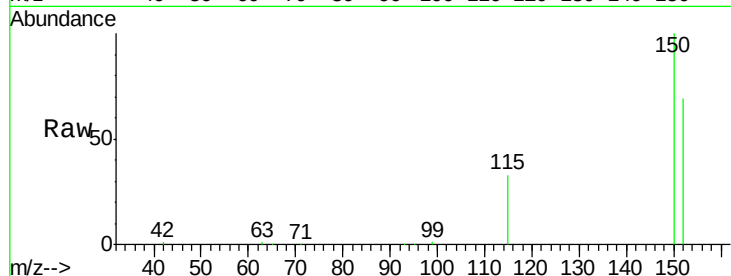




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

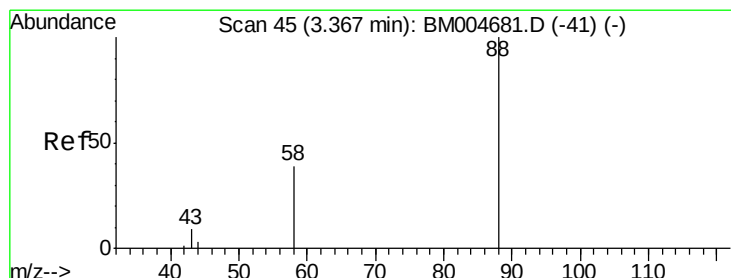
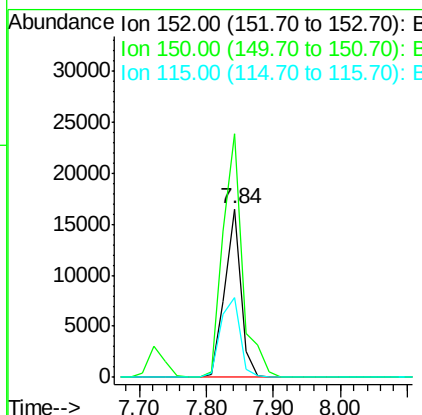
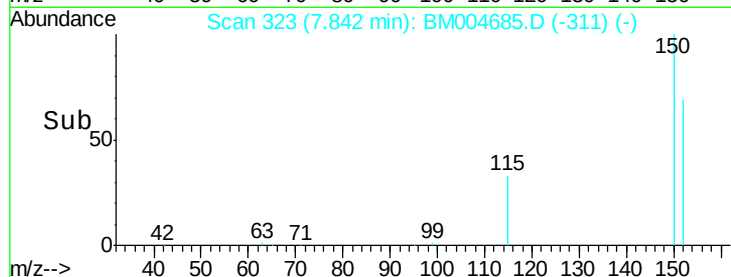
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 152 Resp: 27385
Ion Ratio Lower Upper
152 100
150 144.8 115.9 173.9
115 47.8 38.4 57.6

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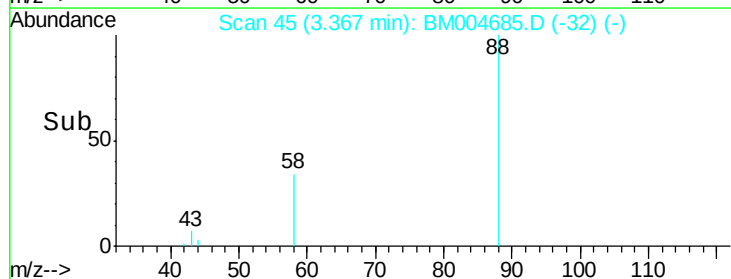
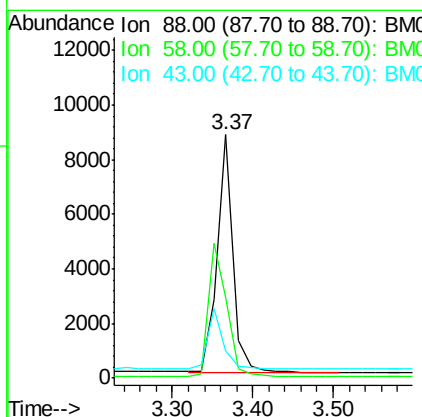
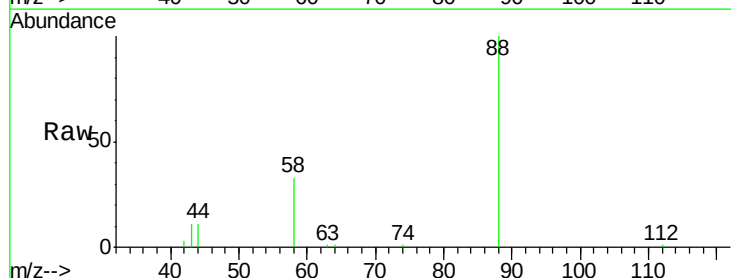
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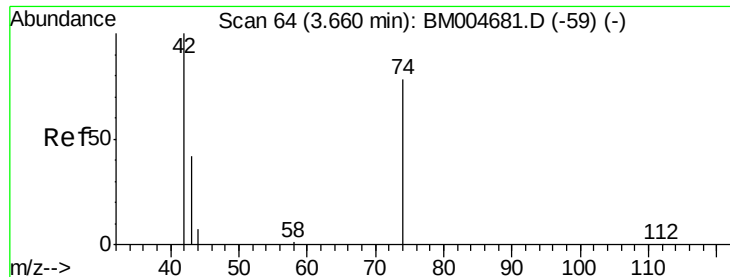


#2

1,4-Dioxane
Concen: 4.46 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Tgt Ion: 88 Resp: 12050
Ion Ratio Lower Upper
88 100
58 64.0 43.9 65.9
43 24.3 19.9 29.9





#3

n-Nitrosodimethylamine

Concen: 5.11 ng

RT: 3.66 min Scan# 64

Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

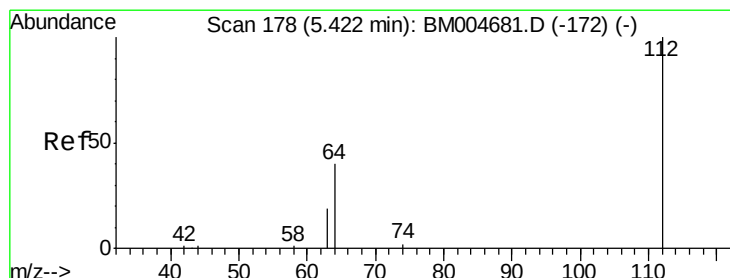
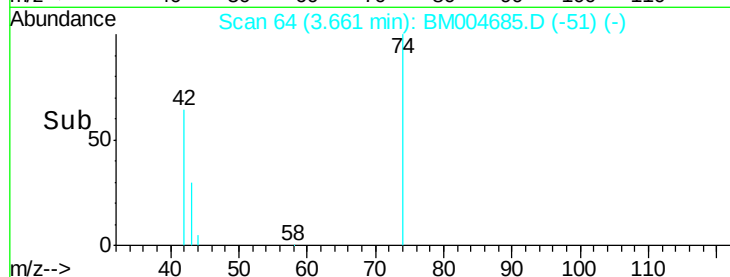
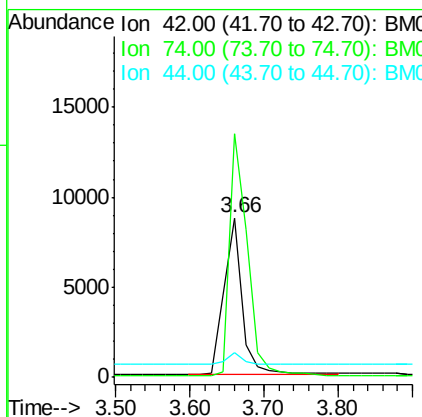
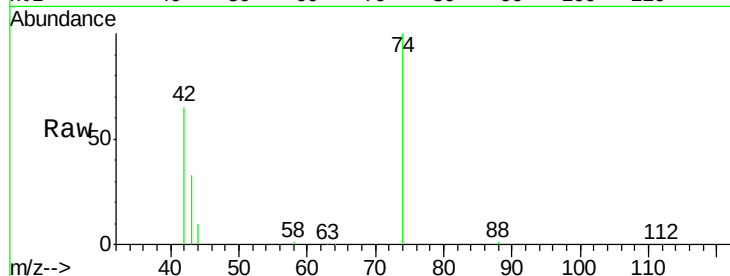
ClientSampleId :

SSTDICC005

Tgt Ion:	42	Resp:	14472
Ion	Ratio	Lower	Upper
42	100		
74	156.3	120.9	181.3
44	6.7	6.0	9.0

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#4

2-Fluorophenol

Concen: 5.08 ng

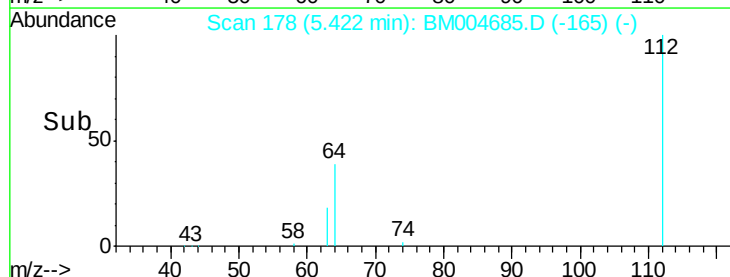
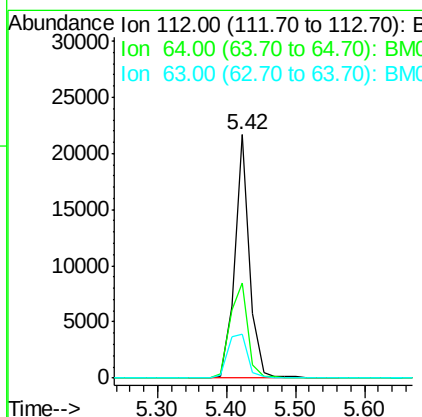
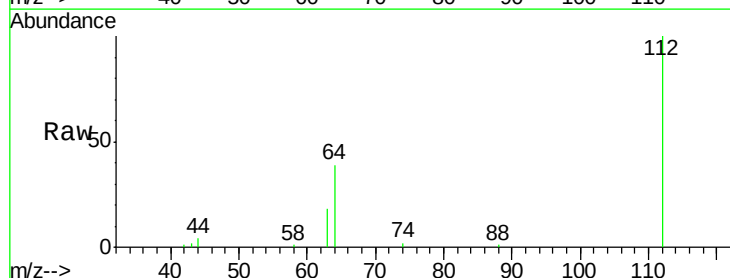
RT: 5.42 min Scan# 178

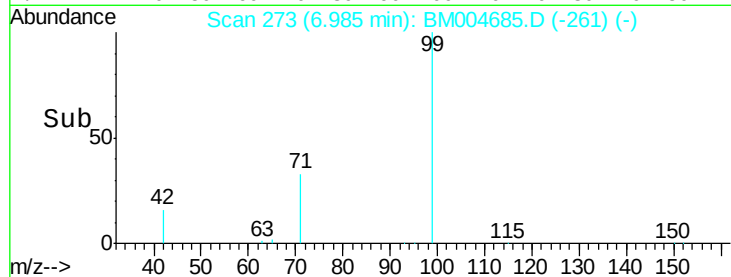
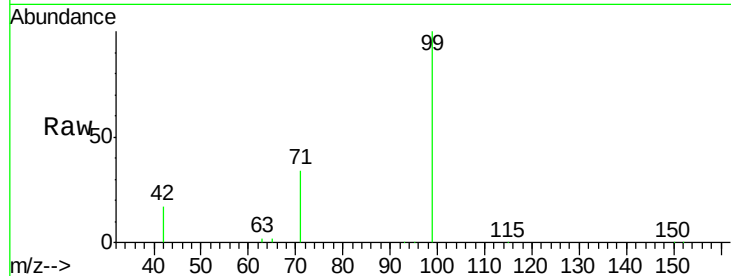
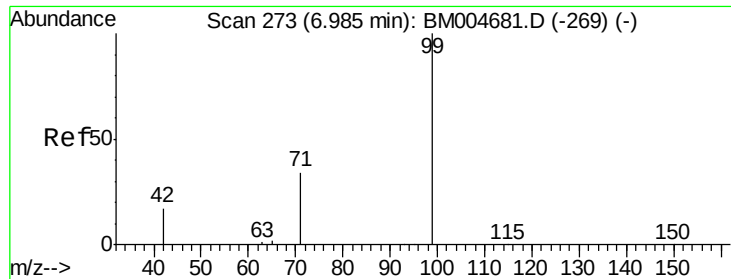
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	112	Resp:	32111
Ion	Ratio	Lower	Upper
112	100		
64	46.6	37.0	55.6
63	23.9	19.3	28.9





#5

Phenol-d6

Concen: 5.22 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	99	Resp:	40425
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.7	19.1
71	28.0	22.9	34.3

Instrument :

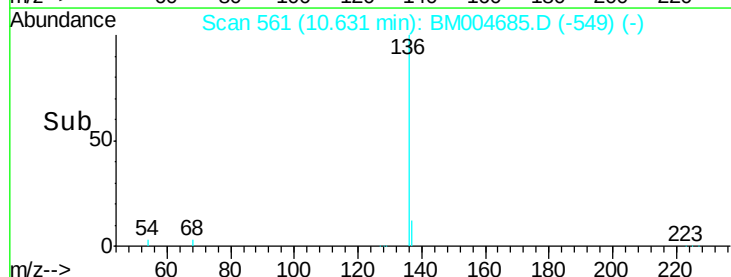
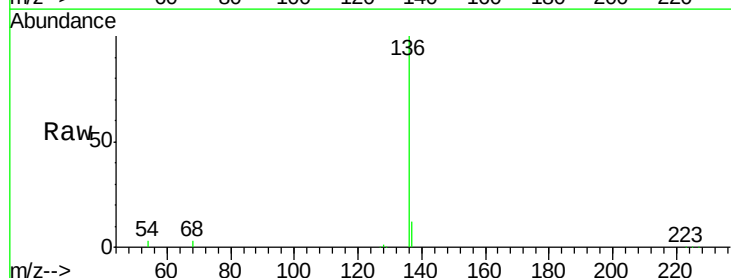
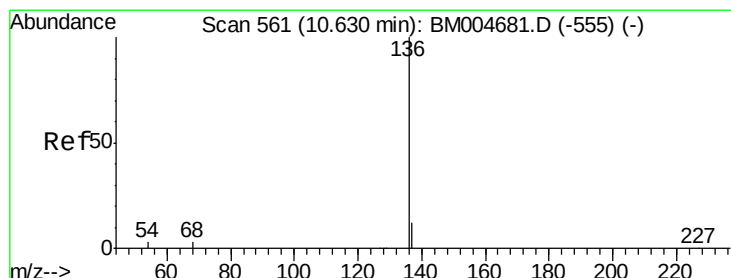
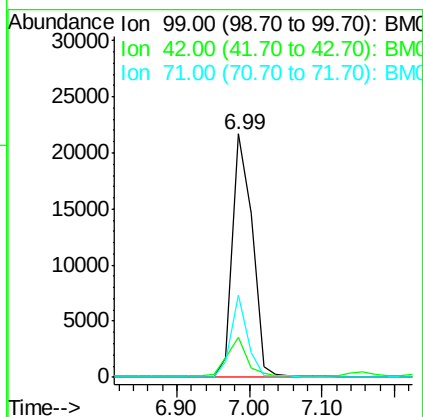
BNA_M

ClientSampleId :

SSTDIC005

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#6

Naphthalene-d8

Concen: 5.00 ng

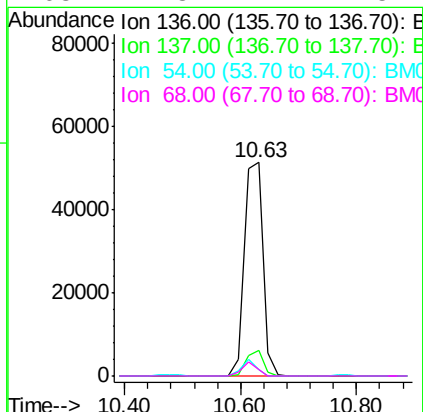
RT: 10.63 min Scan# 561

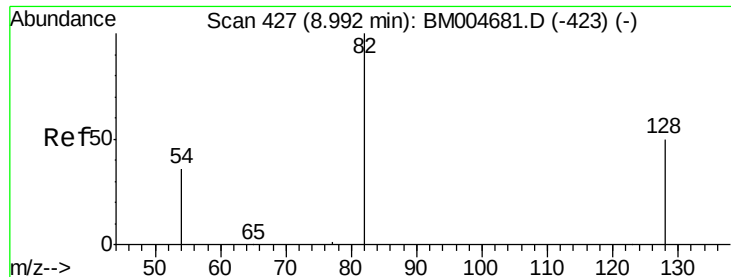
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	136	Resp:	114309
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.4	14.2
54	2.8	2.2	3.4
68	2.8	2.2	3.4





#7

Nitrobenzene-d5

Concen: 5.28 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

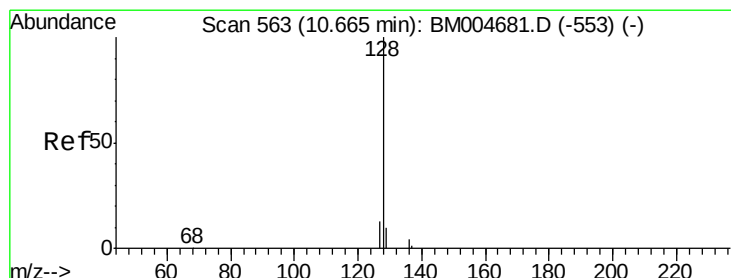
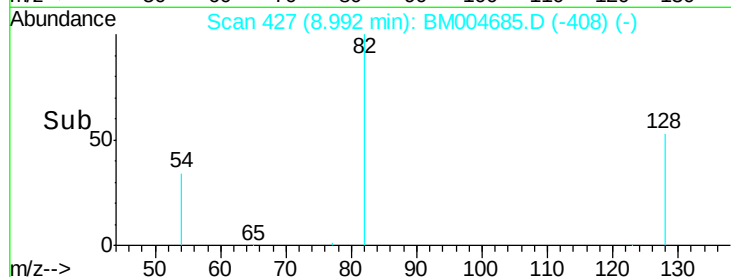
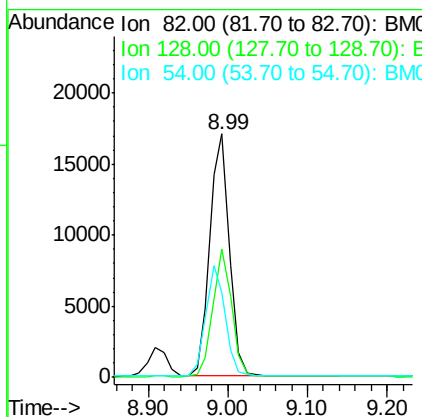
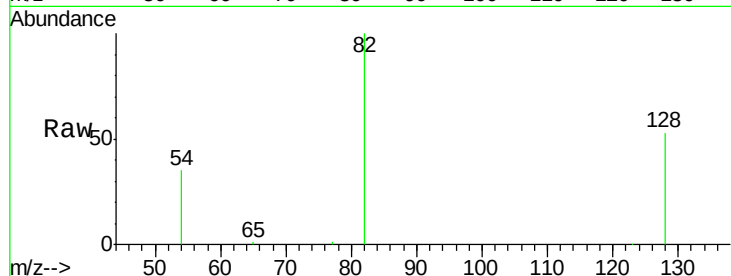
ClientSampleId :

SSTDIC005

Tgt Ion:	82	Resp:	29065
Ion Ratio	Lower	Upper	
82	100		
128	52.8	41.8	62.8
54	34.8	32.9	49.3

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#8

Naphthalene

Concen: 4.85 ng

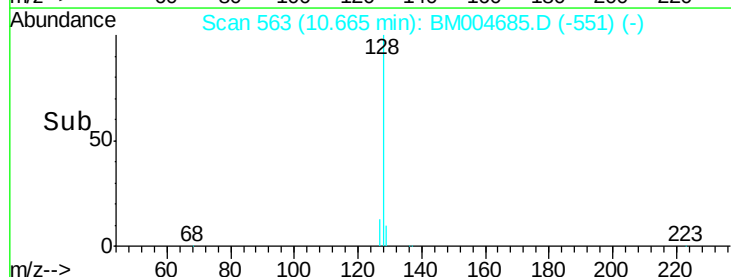
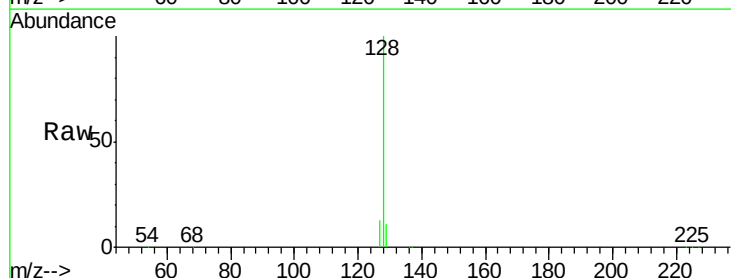
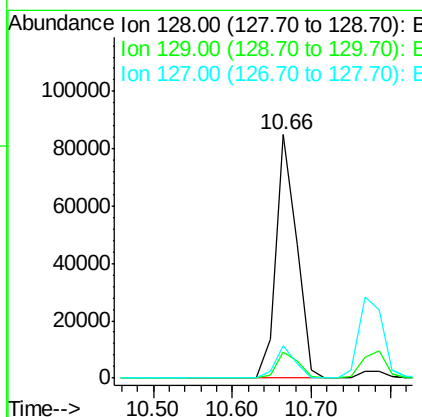
RT: 10.66 min Scan# 563

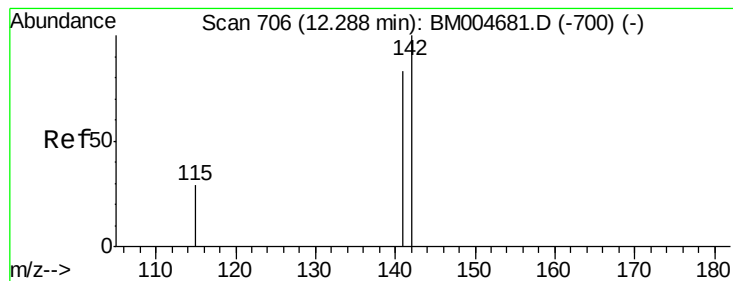
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	128	Resp:	152417
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.9	13.3
127	13.3	11.3	16.9





#9

2-Methylnaphthalene

Concen: 5.14 ng

RT: 12.29 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM004685.D

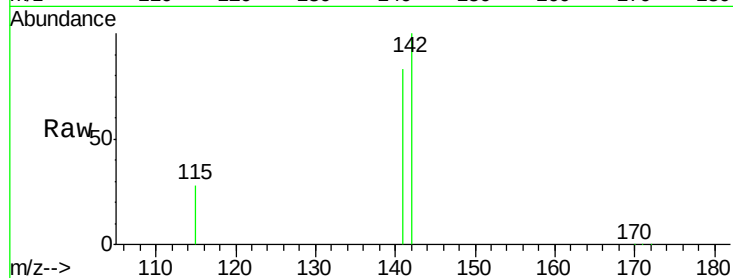
Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

ClientSampleId :

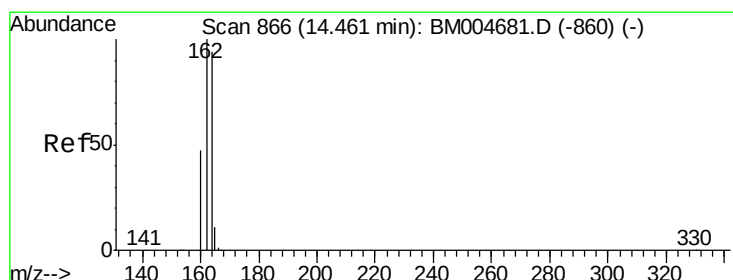
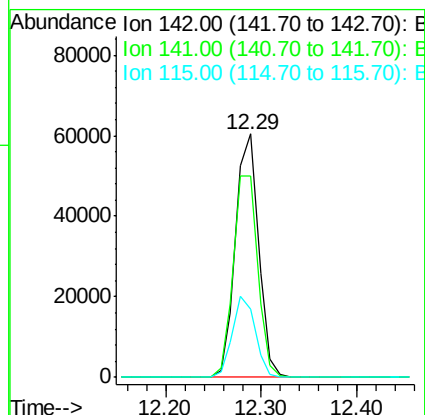
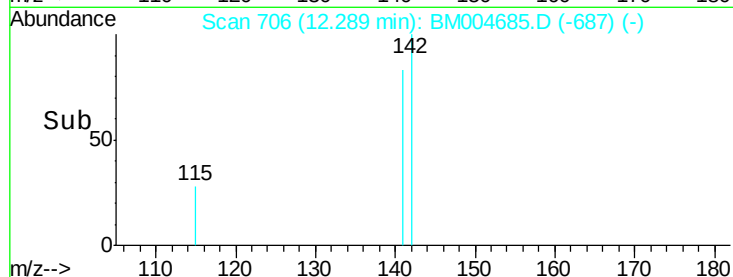
SSTDICC005



Tgt Ion:	142	Resp:	101322
Ion Ratio	Lower	Upper	
142	100		
141	82.6	66.2	99.2
115	28.3	23.8	35.8

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#10

Acenaphthene-d10

Concen: 5.00 ng

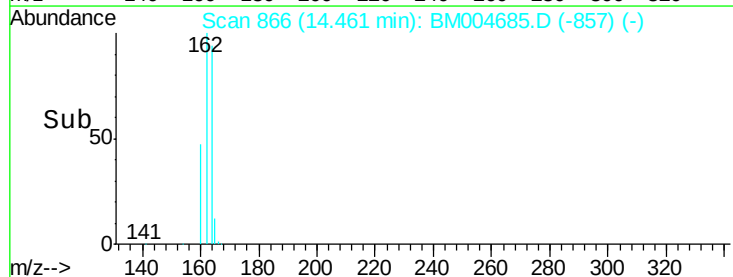
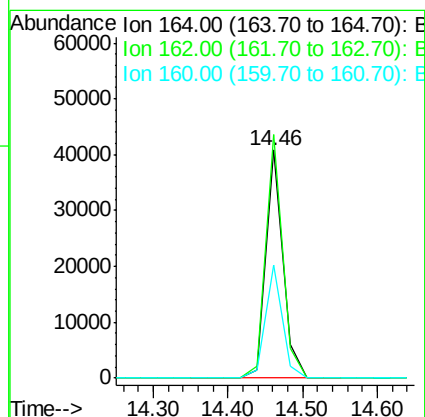
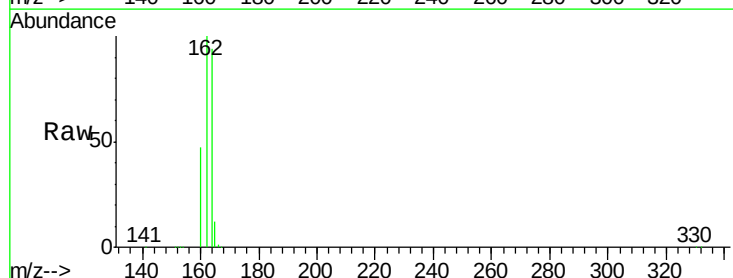
RT: 14.46 min Scan# 866

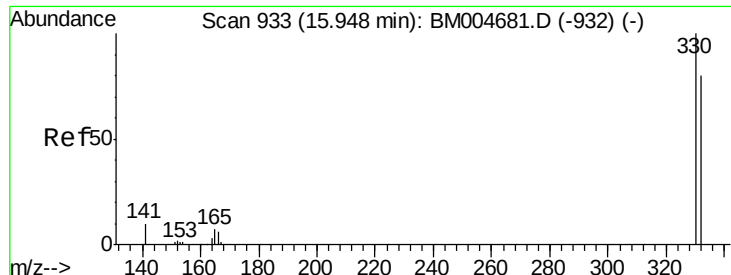
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

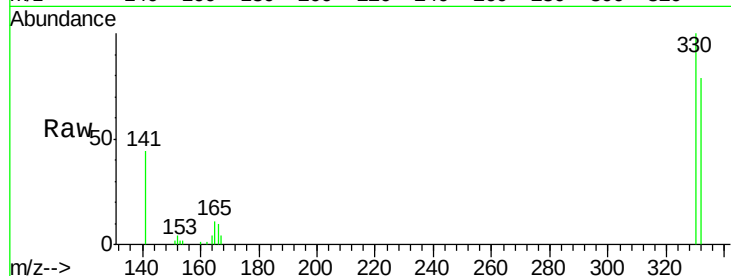
Tgt Ion:	164	Resp:	64240
Ion Ratio	Lower	Upper	
164	100		
162	106.7	85.4	128.0
160	49.7	40.2	60.2





#11
 2,4,6-Tribromophenol
 Concen: 5.38 ng m
 RT: 15.95 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004685.D
 Acq: 18 Mar 2016 16:31

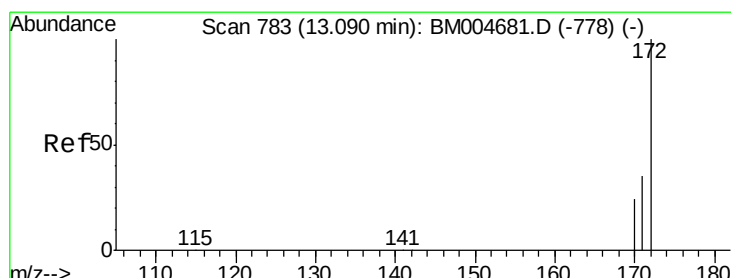
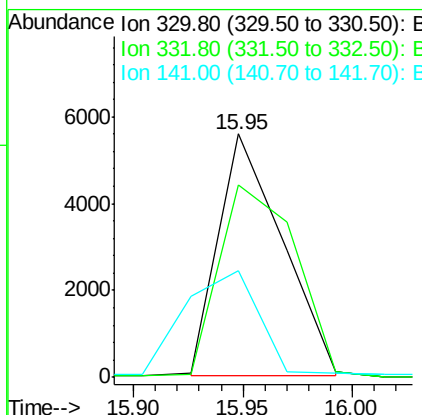
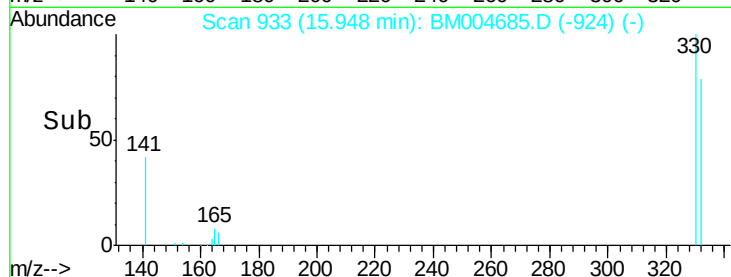
Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005



Tgt Ion:	330	Resp:	11366
Ion Ratio	Lower	Upper	
330	100		
332	96.4	93.9	140.9
141	50.4	42.2	63.2

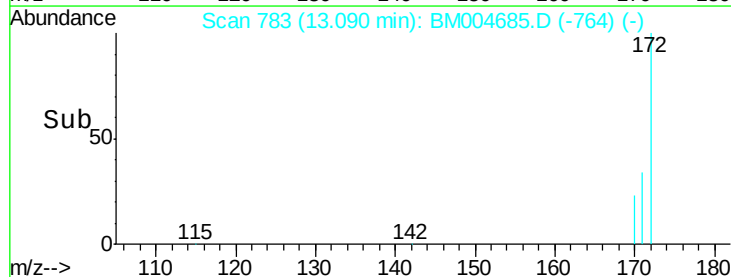
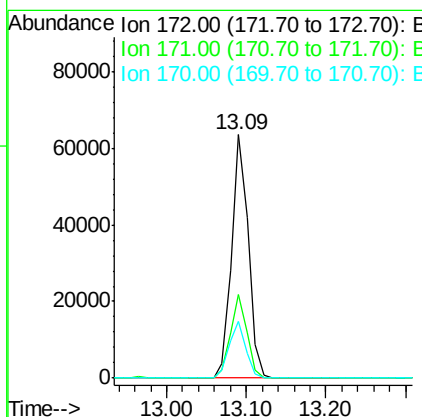
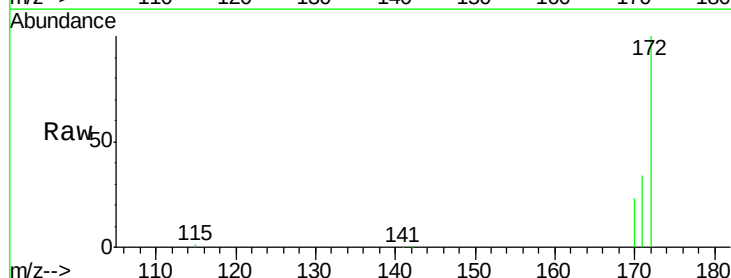
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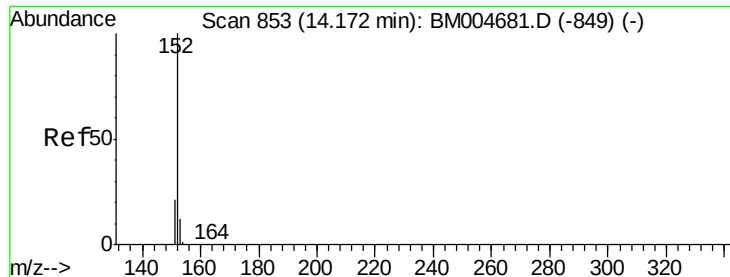
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#12
 2-Fluorobiphenyl
 Concen: 5.01 ng
 RT: 13.09 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BM004685.D
 Acq: 18 Mar 2016 16:31

Tgt Ion:	172	Resp:	92105
Ion Ratio	Lower	Upper	
172	100		
171	34.5	28.2	42.2
170	23.3	19.4	29.2





#13

Acenaphthylene

Concen: 5.40 ng

RT: 14.17 min Scan# 853

Delta R.T. 0.00 min

Lab File: BM004685.D

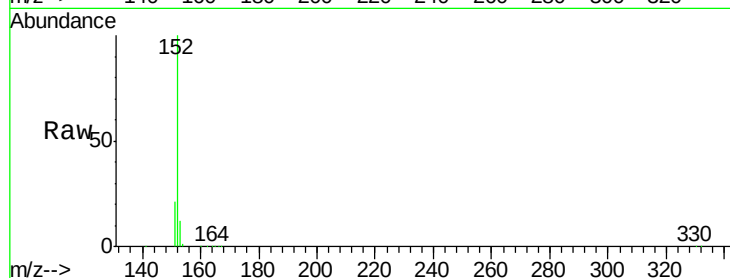
Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

ClientSampled :

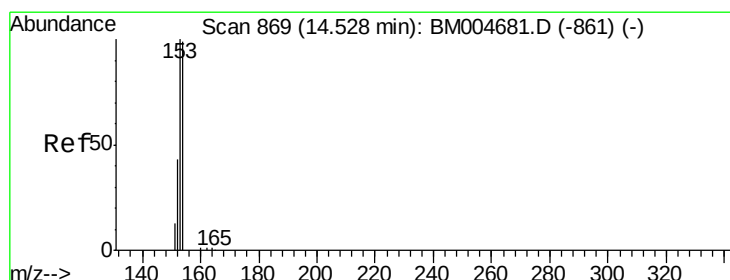
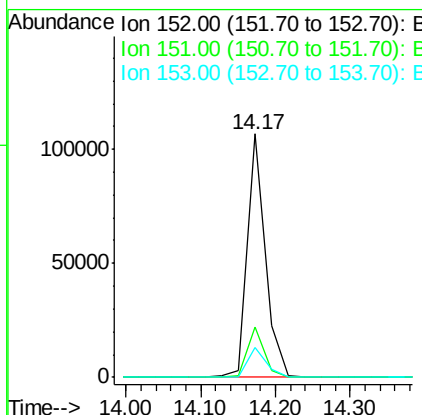
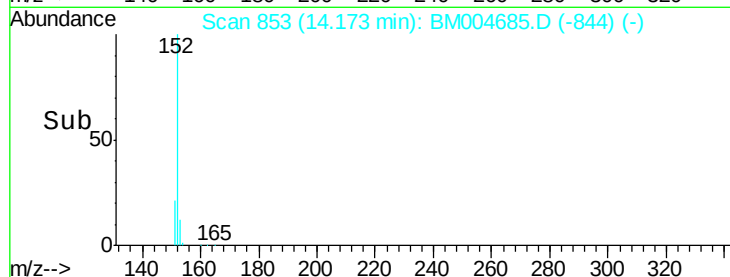
SSTDIC005



Tgt Ion:	152	Resp:	178294
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: 5.11 ng

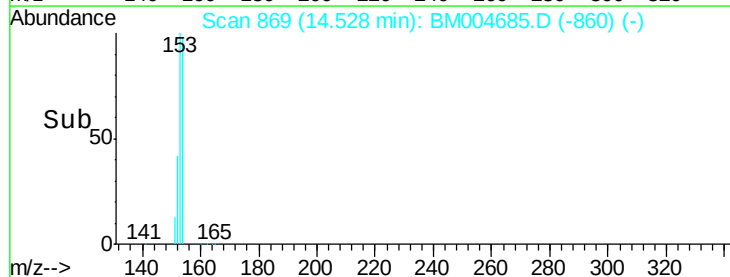
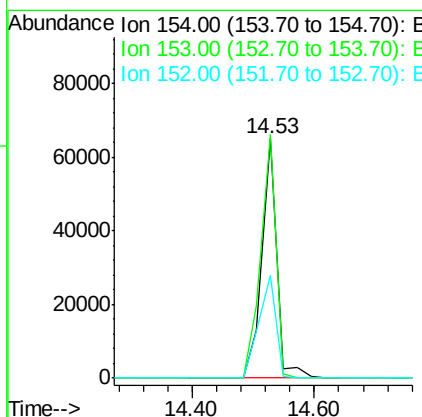
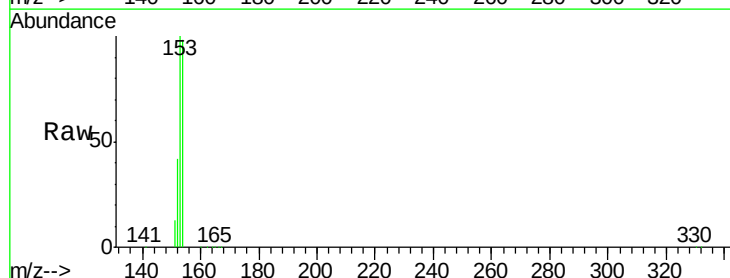
RT: 14.53 min Scan# 869

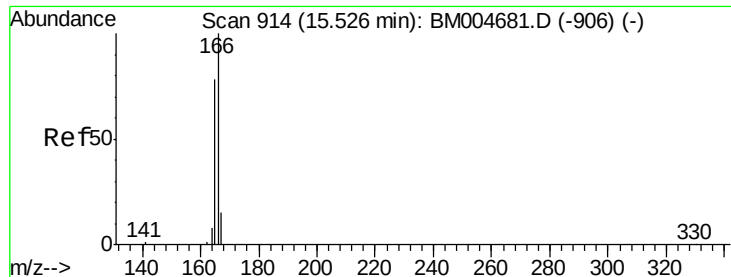
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	154	Resp:	111723
Ion Ratio	Lower	Upper	
154	100		
153	103.7	83.8	125.6
152	48.9	40.3	60.5





#15

Fluorene

Concen: 5.02 ng

RT: 15.53 min Scan# 914

Delta R.T. 0.00 min

Lab File: BM004685.D

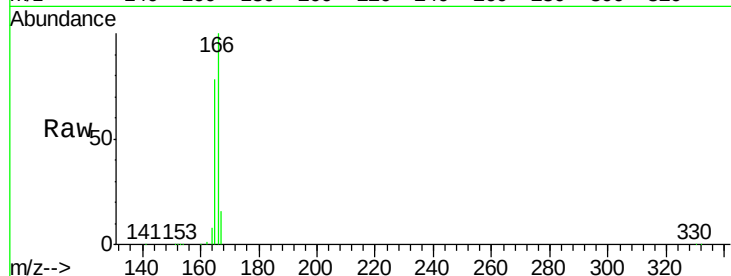
Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

ClientSampleId :

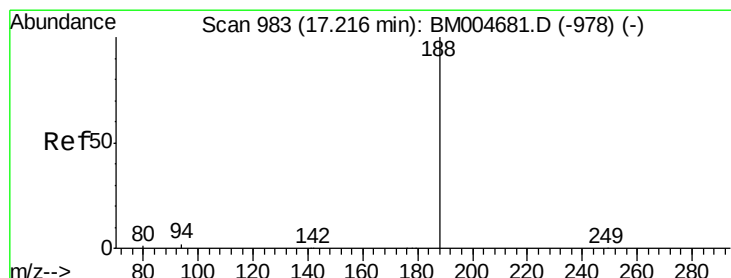
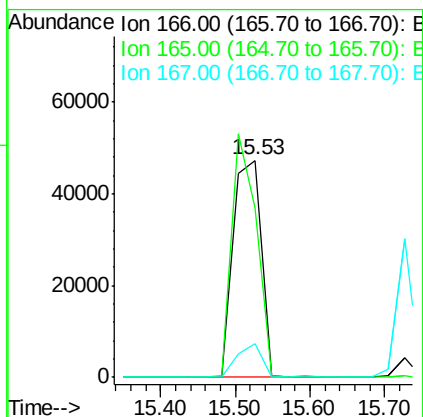
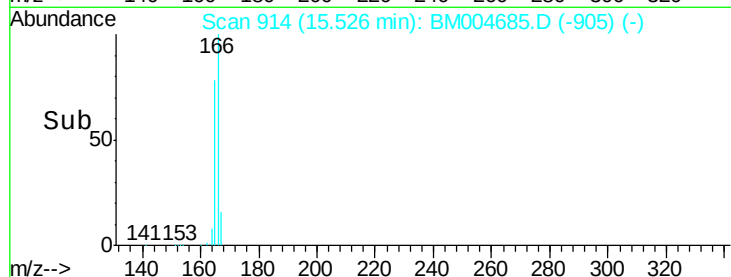
SSTDIC005



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	123095		
165	0.0	0.0	0.0	0.0
167	13.5	10.6	15.8	

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#16

Phenanthrene-d10

Concen: 5.00 ng

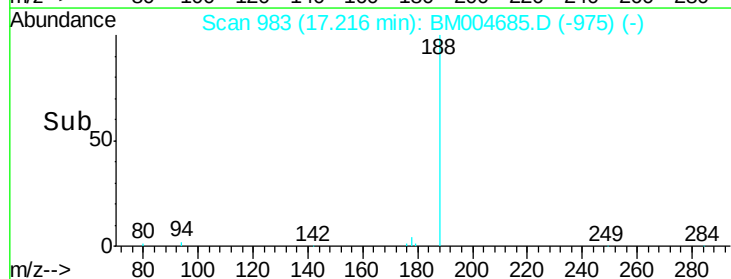
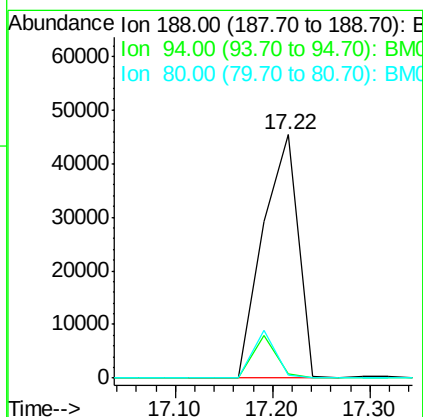
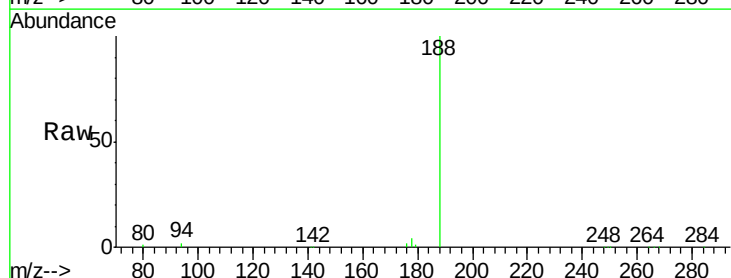
RT: 17.22 min Scan# 983

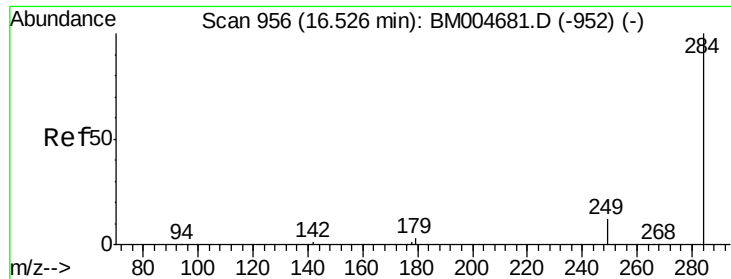
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	114957		
94	1.7	1.4	2.0	
80	1.3	1.0	1.6	





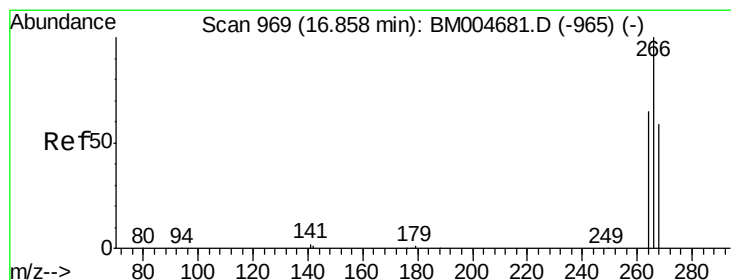
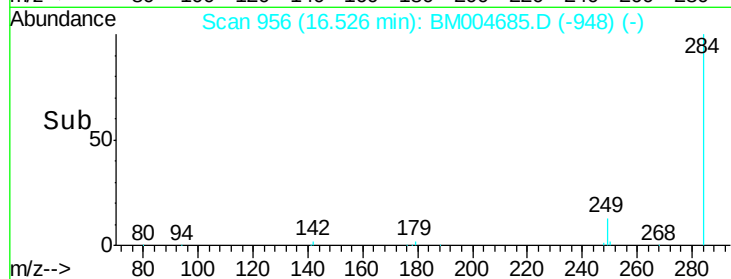
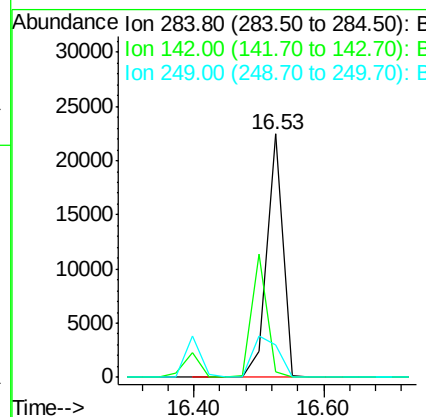
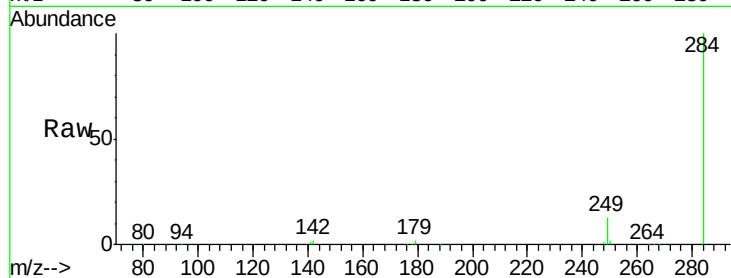
#17
Hexachlorobenzene
Concen: 5.39 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

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

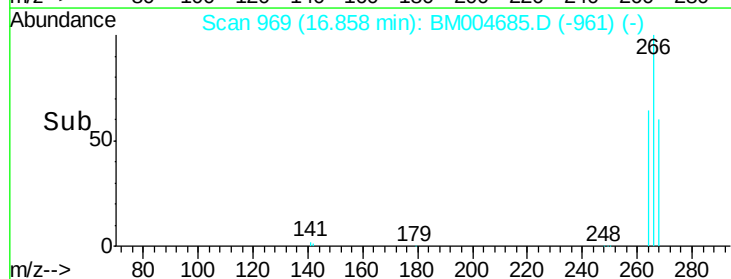
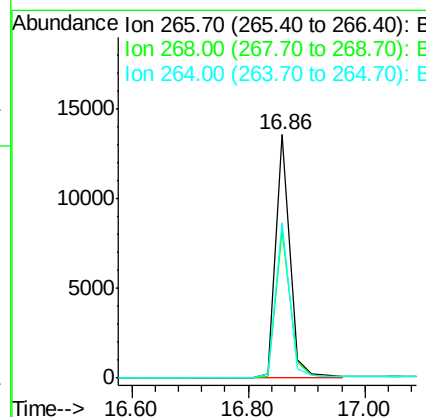
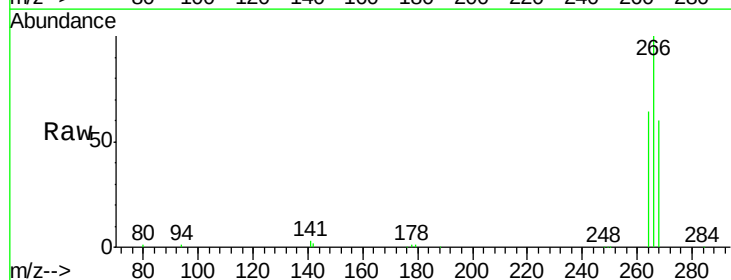
Manual Integrations
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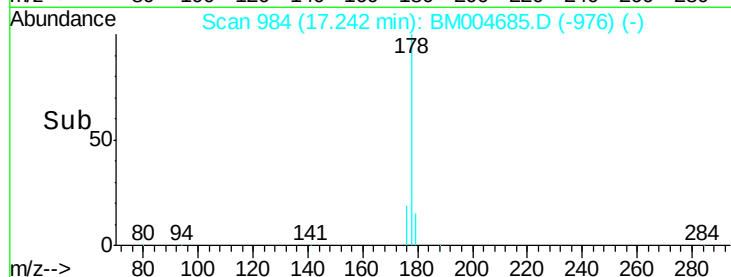
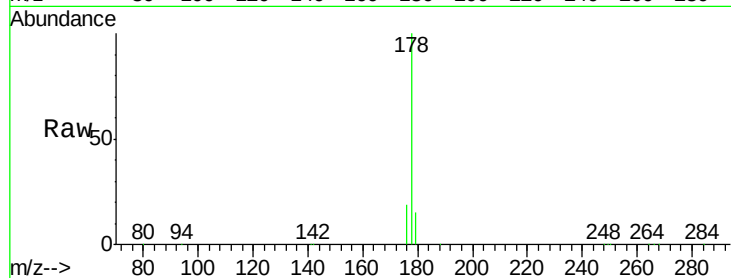
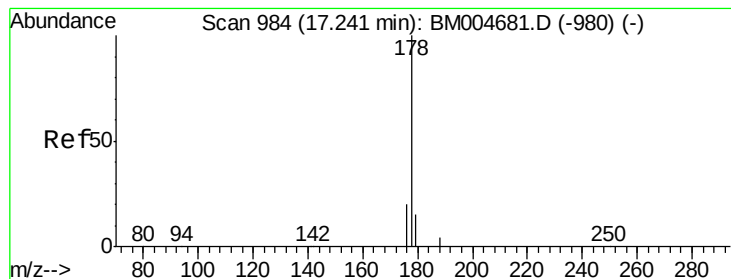
mohammad
3/21/2016 2:43:06 PM



#18
Pentachlorophenol
Concen: 5.91 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	60.4	49.1	73.7
264	63.9	52.9	79.3





#19

Phenanthrene

Concen: 5.23 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	178	Resp:	241331
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.1	12.2	18.4

Instrument :

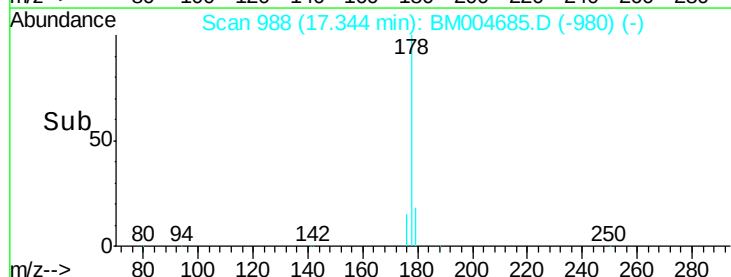
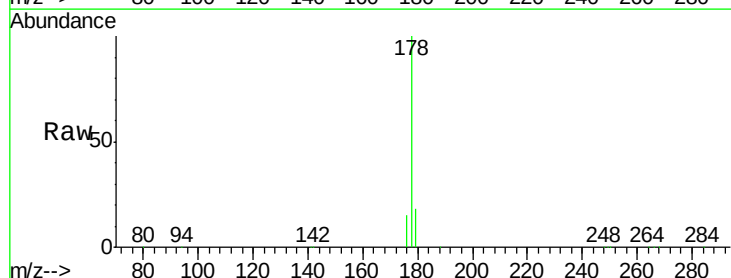
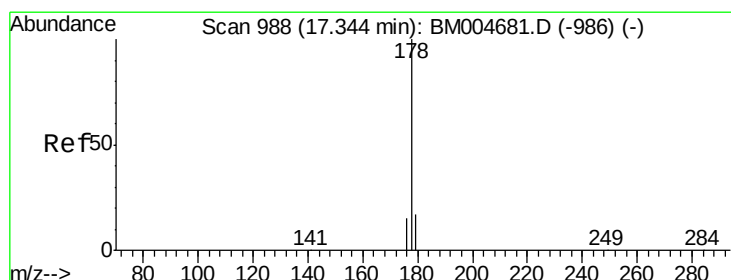
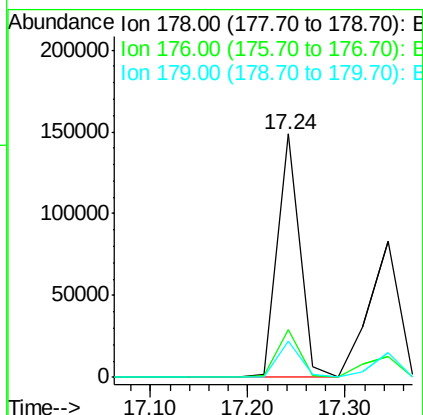
BNA_M

ClientSampleId :

SSTDICC005

Manual Integrations
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#20

Anthracene

Concen: 5.38 ng

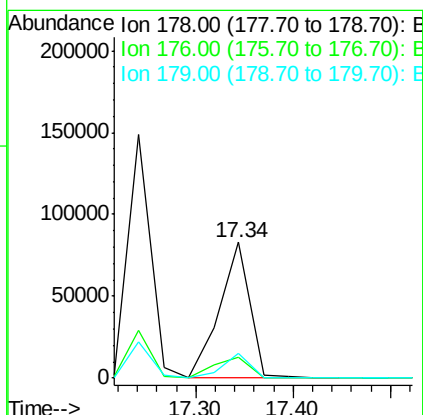
RT: 17.34 min Scan# 988

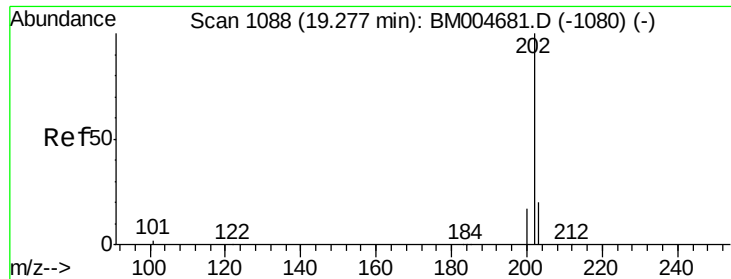
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion:	178	Resp:	176911
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.5	21.7
179	16.1	12.6	18.8





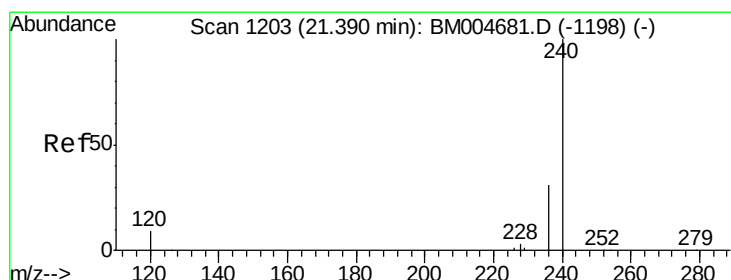
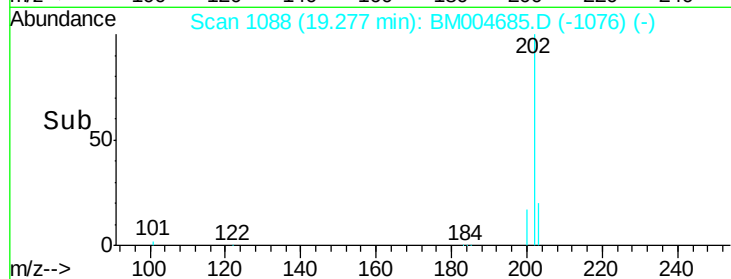
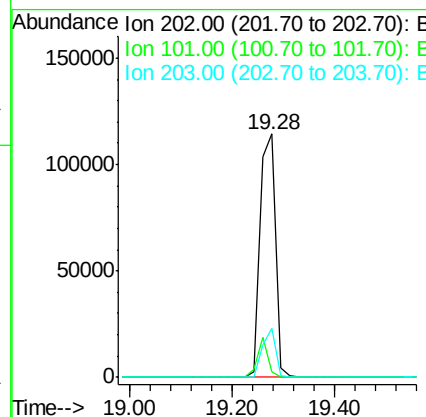
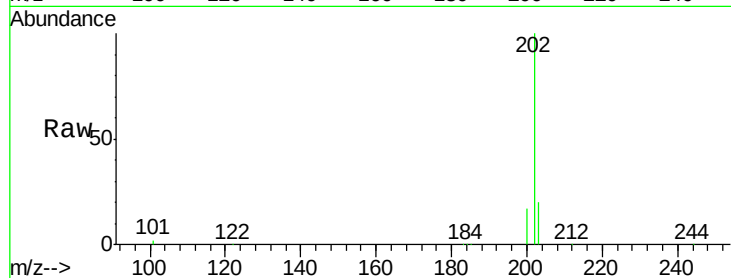
#21
Fluoranthene
Concen: 5.34 ng
RT: 19.28 min Scan# 1088
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt	Ion	202	Resp:	232643
Ion	Ratio	Lower	Upper	
202	100			
101	11.2	8.7	13.1	
203	17.4	14.1	21.1	

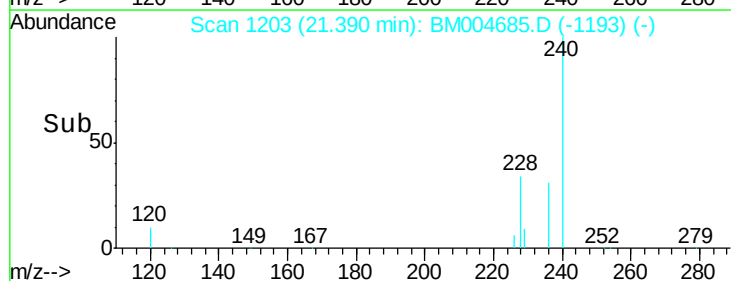
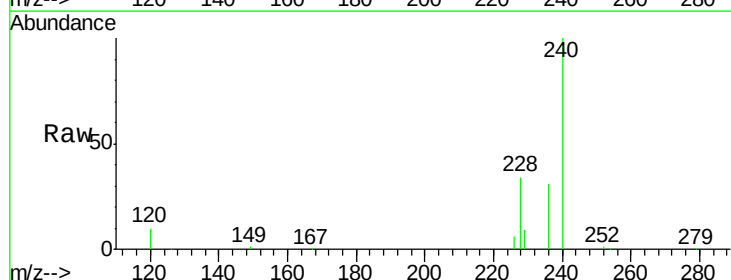
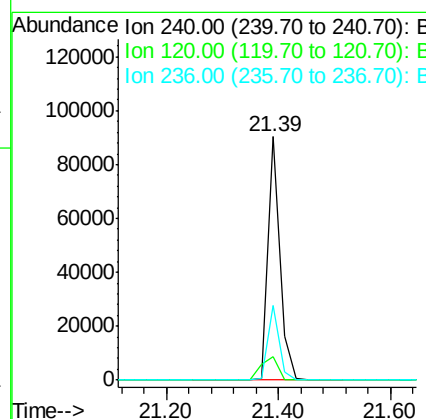
Manual Integrations
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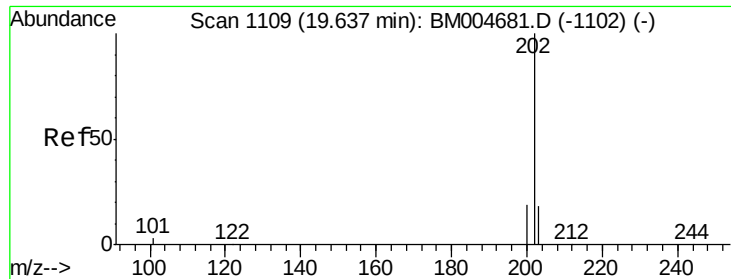
mohammad
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#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Tgt	Ion	240	Resp:	133366
Ion	Ratio	Lower	Upper	
240	100			
120	9.8	7.4	11.2	
236	30.8	24.5	36.7	





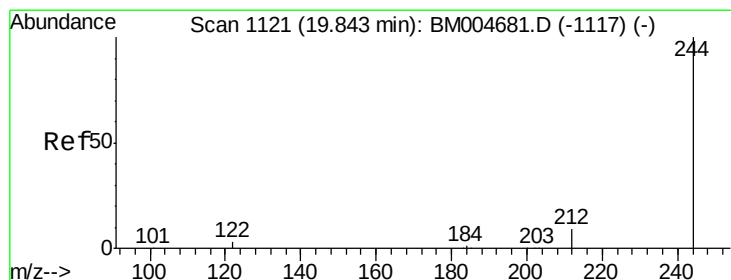
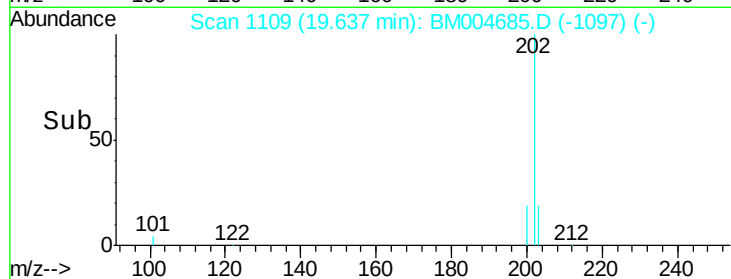
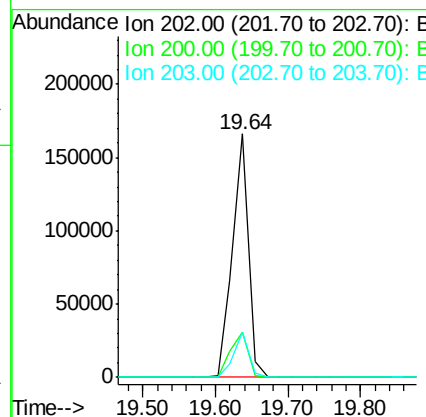
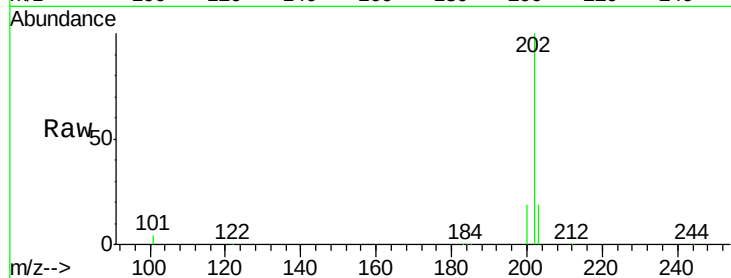
#23
 Pyrene
 Concen: 5.14 ng
 RT: 19.64 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: BM004685.D
 Acq: 18 Mar 2016 16:31

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	16.8	25.2
203	17.5	13.9	20.9

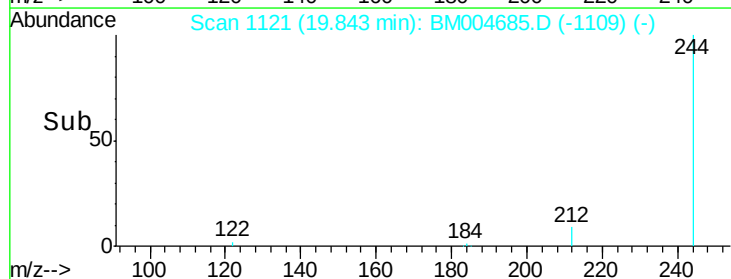
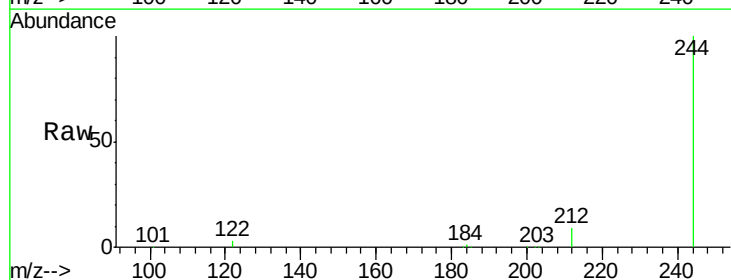
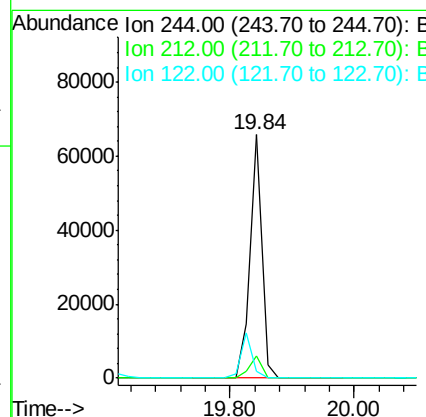
Manual Integrations
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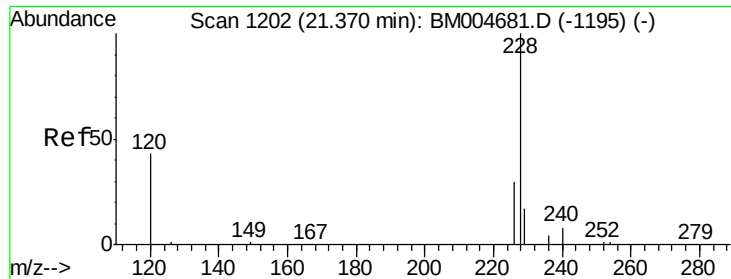
mohammad
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#24
 Terphenyl-d14
 Concen: 5.16 ng
 RT: 19.84 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BM004685.D
 Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.9	7.7	11.5
122	2.5	3.4	5.0





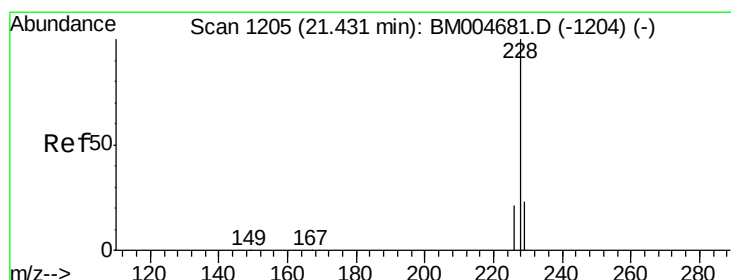
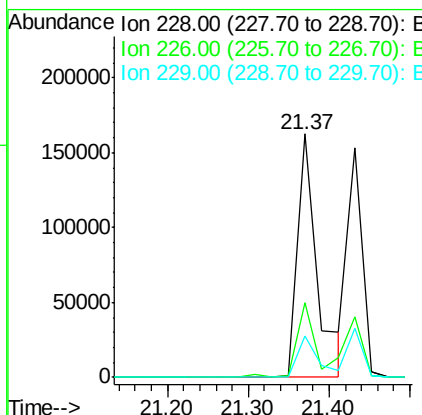
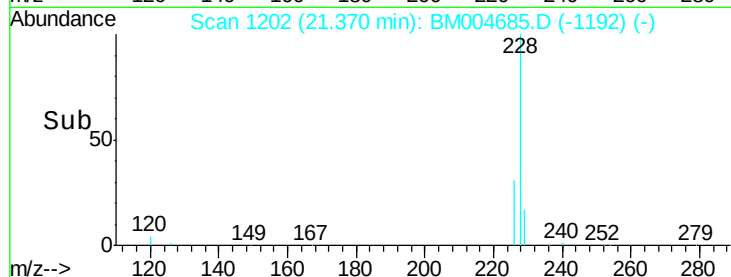
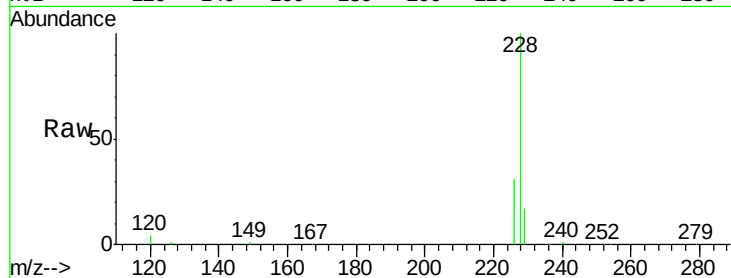
#25
Benzo(a)anthracene
Concen: 5.22 ng
RT: 21.37 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	17.1	14.2	21.2

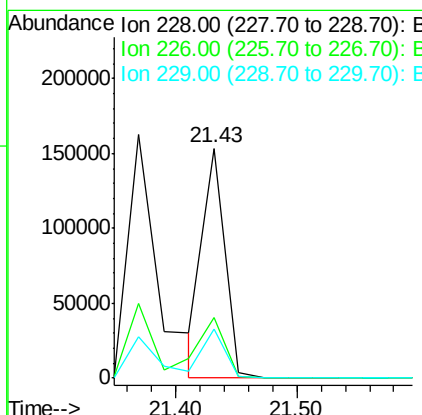
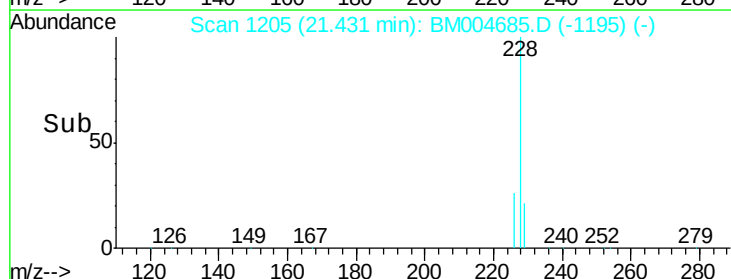
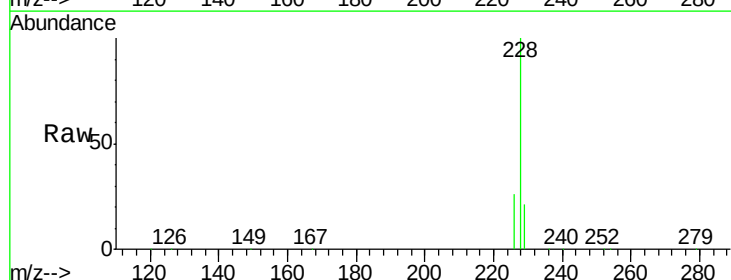
Manual Integrations
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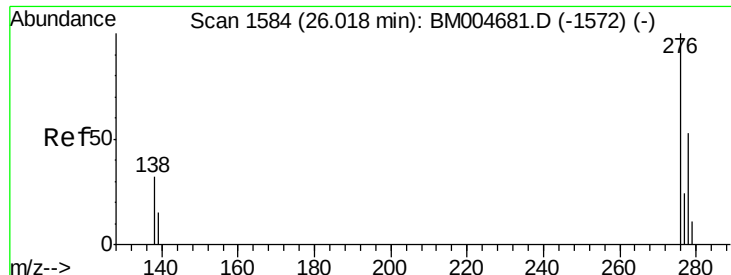
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#26
Chrysene
Concen: 4.86 ng
RT: 21.43 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.2	20.9	31.3
229	21.2	17.4	26.2





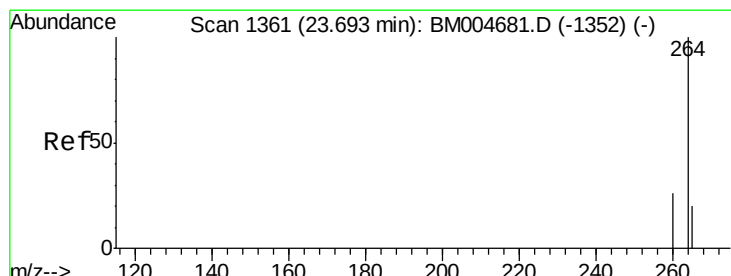
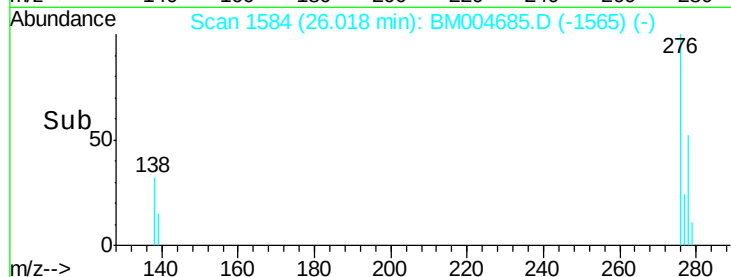
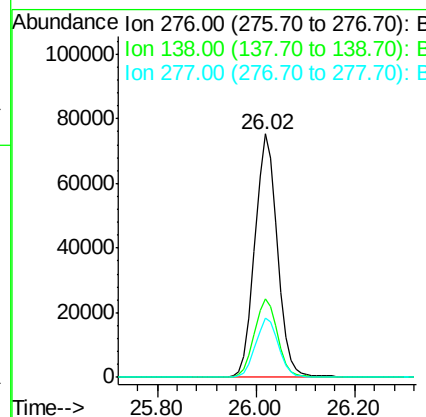
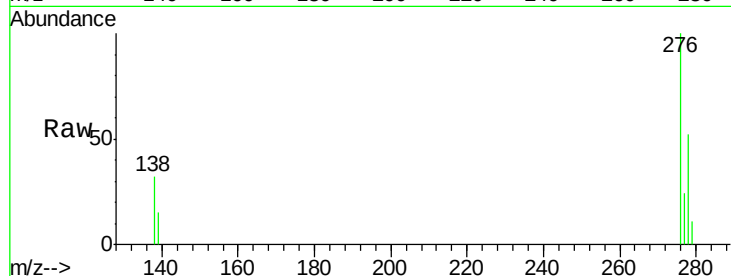
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 5.19 ng
 RT: 26.02 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BM004685.D
 Acq: 18 Mar 2016 16:31

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	33.1	25.9	38.9
277	24.7	19.8	29.6

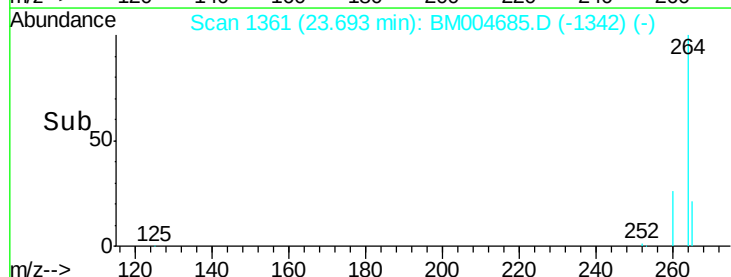
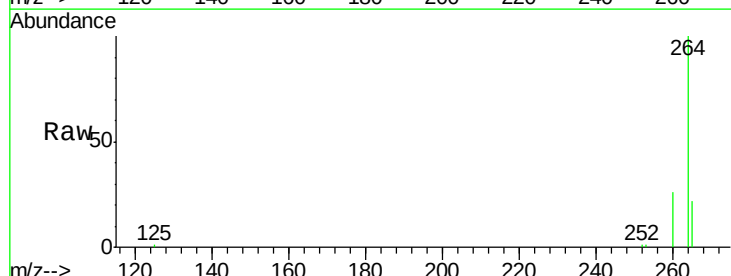
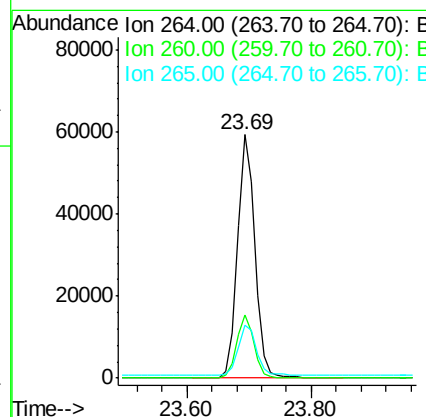
Manual Integrations
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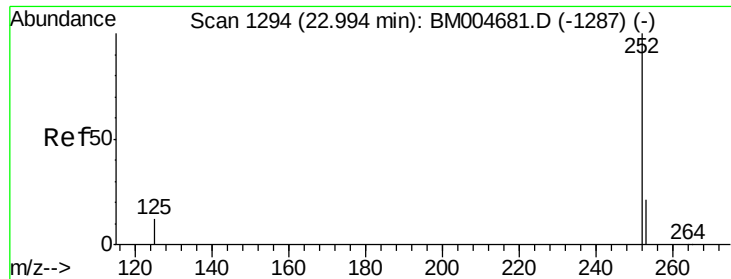
mohammad
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.69 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BM004685.D
 Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.9	21.0	31.4
265	22.0	17.5	26.3





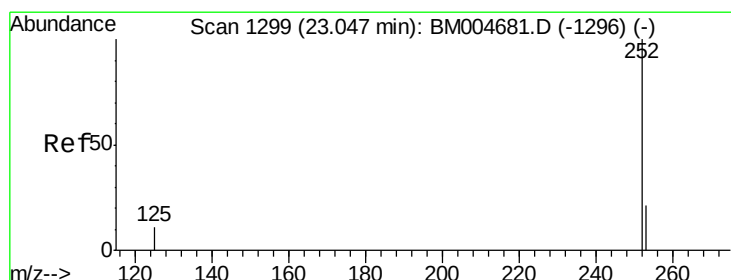
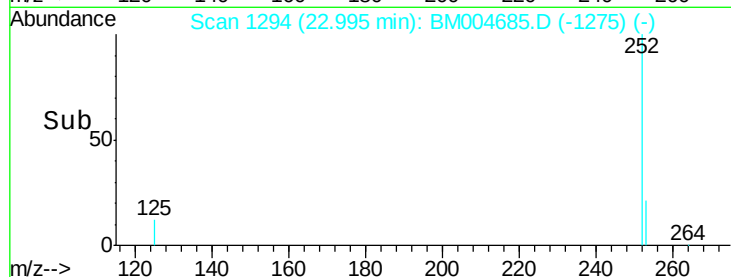
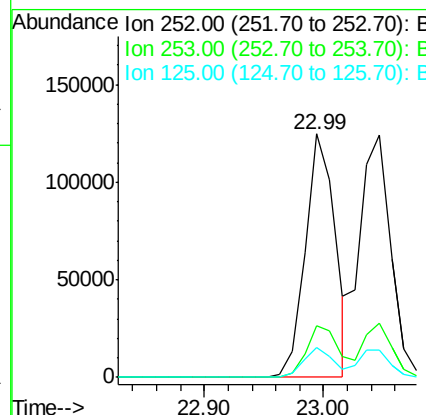
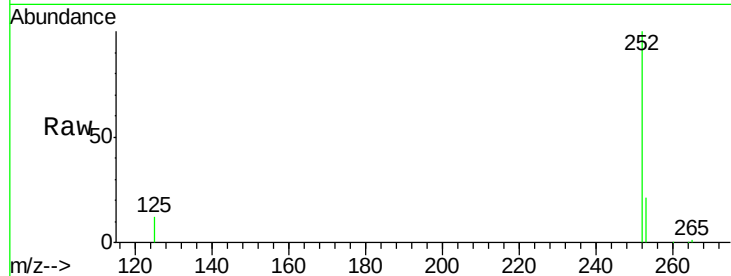
#29
Benzo(b)fluoranthene
Concen: 5.12 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Instrument :
BNA_M
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	12.3	11.4	17.0

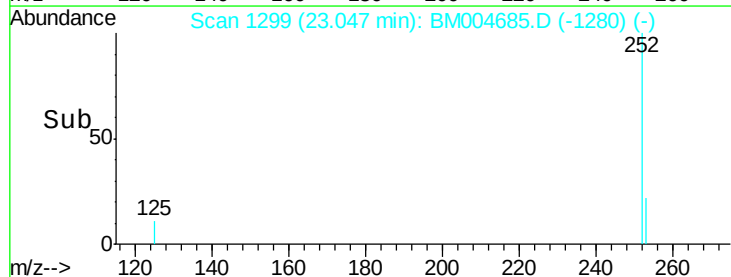
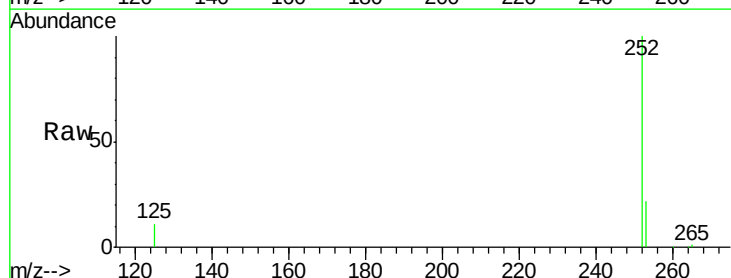
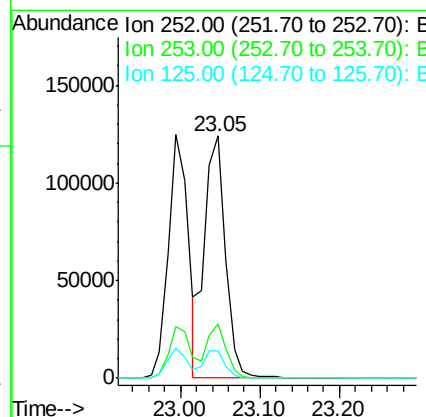
Manual Integrations
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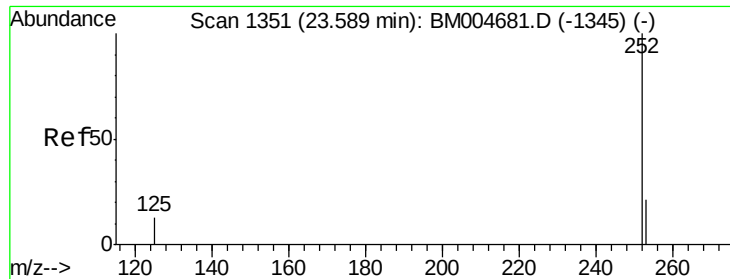
mohammad
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#30
Benzo(k)fluoranthene
Concen: 5.34 ng
RT: 23.05 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BM004685.D
Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.3	28.9
125	11.2	10.6	15.8





#31

Benzo(a)pyrene

Concen: 5.24 ng

RT: 23.59 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM004685.D

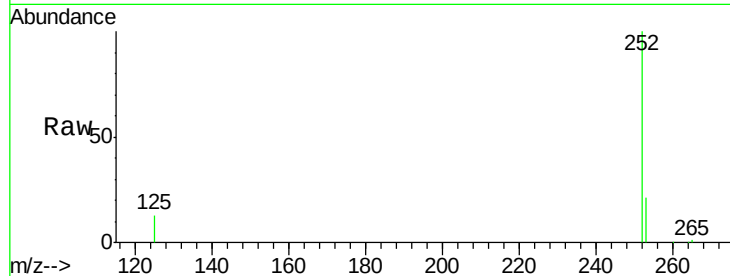
Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

ClientSampleId :

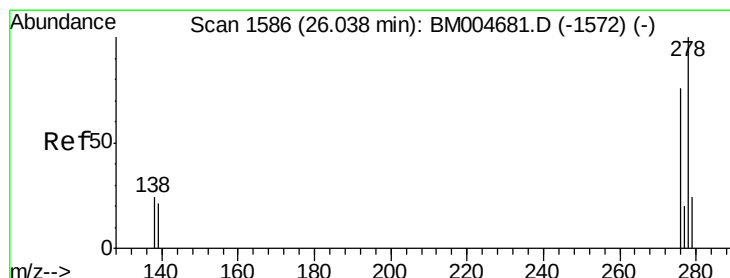
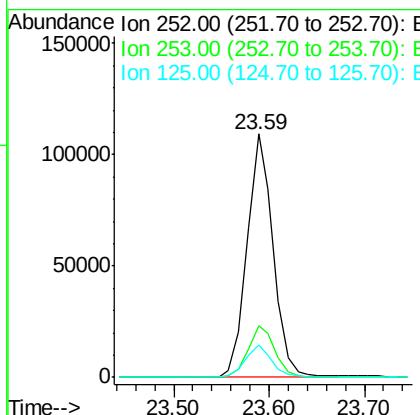
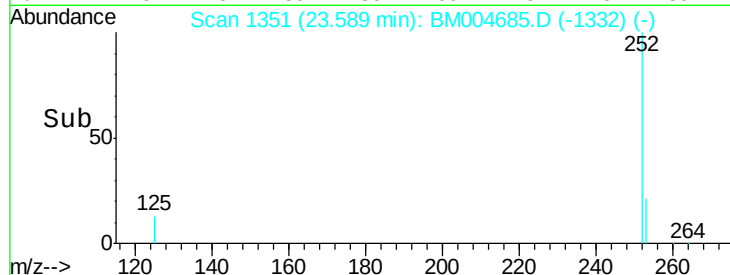
SSTDICC005



Tgt Ion	Ratio	Resp	Lower	Upper
252	100	207898		
253	21.2	18.6	28.0	
125	13.3	12.3	18.5	

Manual Integrations
APPROVED

mohammad
3/21/2016 2:43:06 PM



#32

Dibenzo(a,h)anthracene

Concen: 5.26 ng

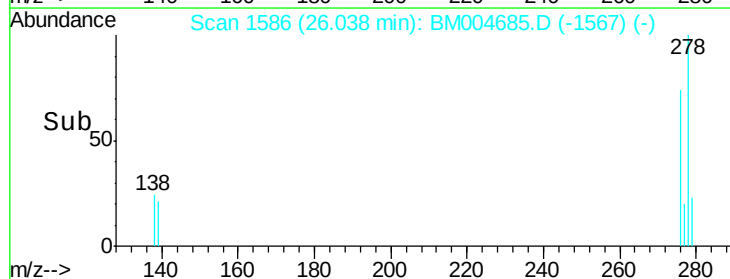
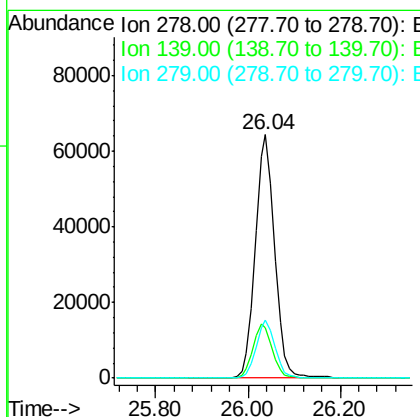
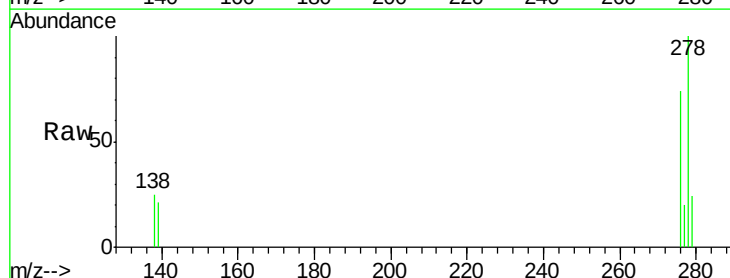
RT: 26.04 min Scan# 1586

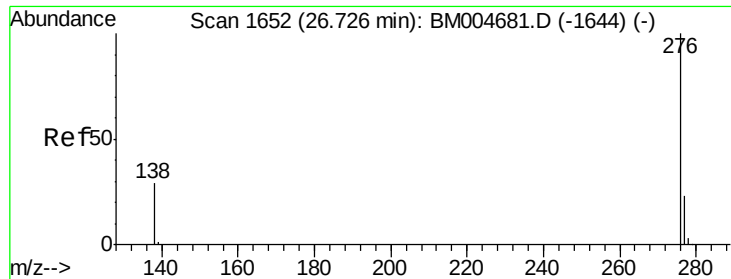
Delta R.T. 0.00 min

Lab File: BM004685.D

Acq: 18 Mar 2016 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	186565		
139	20.9	17.6	26.4	
279	23.6	19.9	29.9	





#33

Benzo(g,h,i)perylene

Concen: 4.47 ng

RT: 26.74 min Scan# 1653

Delta R.T. 0.01 min

Lab File: BM004685.D

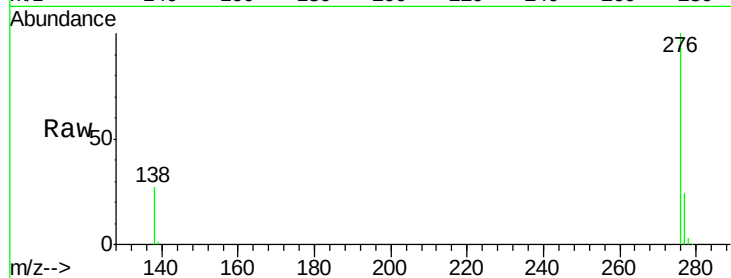
Acq: 18 Mar 2016 16:31

Instrument :

BNA_M

ClientSampleId :

SSTDIC005



Tgt	Ion	276	Resp	193739
Ion	Ratio	Lower	Upper	
276	100			
277	24.0	19.1	28.7	
138	27.2	24.5	36.7	

Manual Integrations
APPROVED

mohammad
3/21/2016 2:43:06 PM

