

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
 Data File : BM004684.D
 Acq On : 18 Mar 2016 15:55
 Operator : UM/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Manual Integrations
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mohammad
 3/21/2016 2:43:03 PM

Quant Time: Mar 19 02:36:22 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	32070	5.00	ng	0.00
6) Naphthalene-d8	10.63	136	135472	5.00	ng	0.00
10) Acenaphthene-d10	14.46	164	72377	5.00	ng	0.00
16) Phenanthrene-d10	17.22	188	124280	5.00	ng	0.00
22) Chrysene-d12	21.39	240	136422	5.00	ng	0.00
28) Perylene-d12	23.69	264	115221	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	23757	3.21	ng	0.00
5) Phenol-d6	6.99	99	29514	3.26	ng	0.00
7) Nitrobenzene-d5	8.99	82	21276	3.26	ng	0.00
11) 2,4,6-Tribromophenol	15.95	330	7749m	3.26	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	67971	3.28	ng	0.00
24) Terphenyl-d14	19.84	244	56263	3.26	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	9048	2.86	ng	92
3) n-Nitrosodimethylamine	3.66	42	10599	3.20	ng	97
8) Naphthalene	10.66	128	112911	3.03	ng	98
9) 2-Methylnaphthalene	12.29	142	75452	3.23	ng	99
13) Acenaphthylene	14.17	152	127618	3.43	ng	100
14) Acenaphthene	14.53	154	78889	3.20	ng	99
15) Fluorene	15.50	166	89244	3.23	ng	# 67
17) Hexachlorobenzene	16.53	284	25752	3.36	ng	# 100
18) Pentachlorophenol	16.86	266	14929	3.56	ng	98
19) Phenanthrene	17.24	178	163900	3.29	ng	100
20) Anthracene	17.34	178	120257	3.38	ng	100
21) Fluoranthene	19.26	202	155714	3.30	ng	99
23) Pyrene	19.64	202	163541	3.27	ng	99
25) Benzo(a)anthracene	21.37	228	181456	3.33	ng	99
26) Chrysene	21.43	228	126026	3.09	ng	99
27) Indeno(1,2,3-cd)pyrene	26.02	276	145018	3.18	ng	99
29) Benzo(b)fluoranthene	22.99	252	136954	3.27	ng	96
30) Benzo(k)fluoranthene	23.05	252	137726	3.31	ng	96
31) Benzo(a)pyrene	23.59	252	128801	3.28	ng	96
32) Dibenzo(a,h)anthracene	26.04	278	116698	3.32	ng	97
33) Benzo(g,h,i)perylene	26.73	276	122124	2.84	ng	97

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

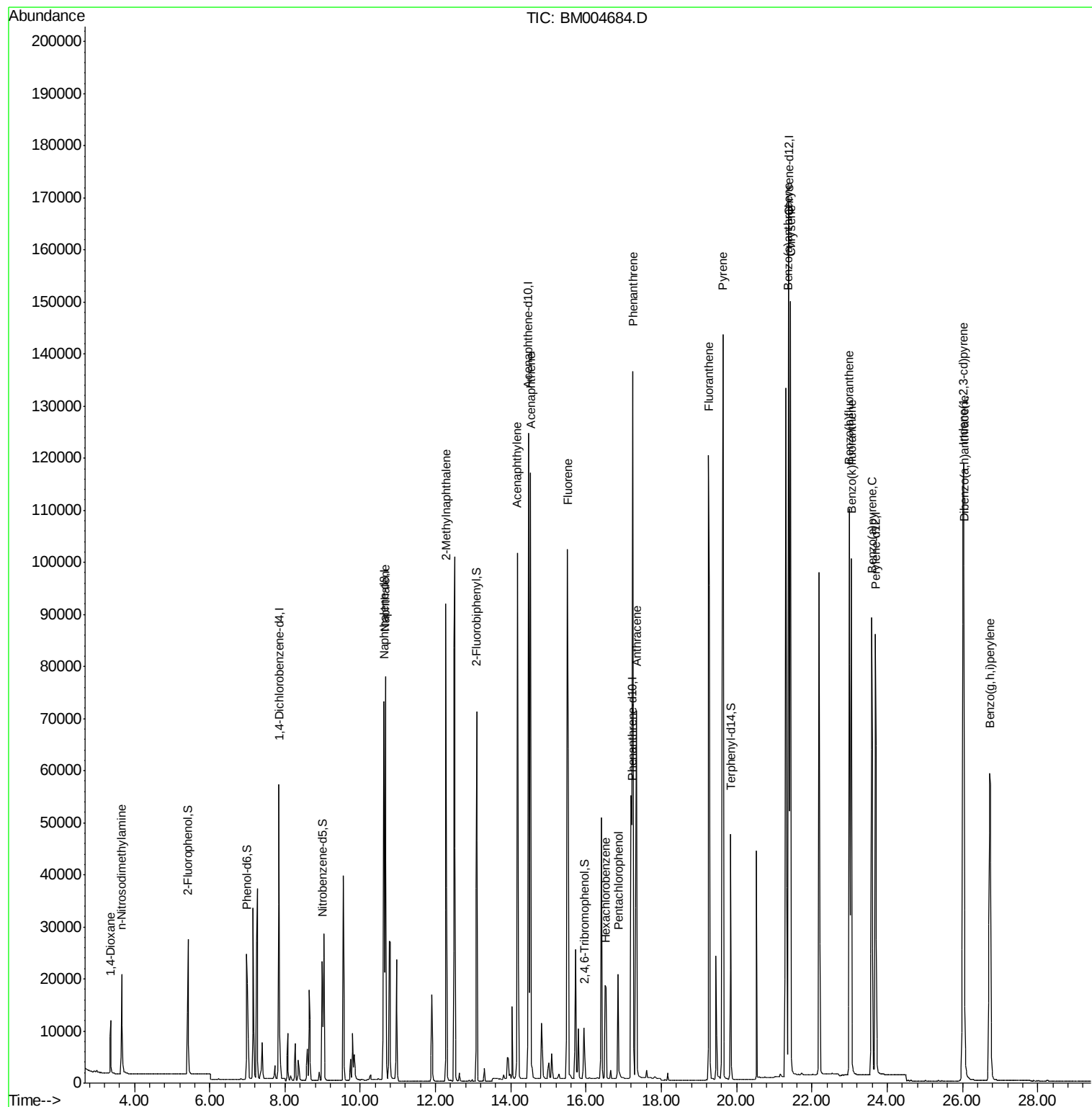
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
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Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

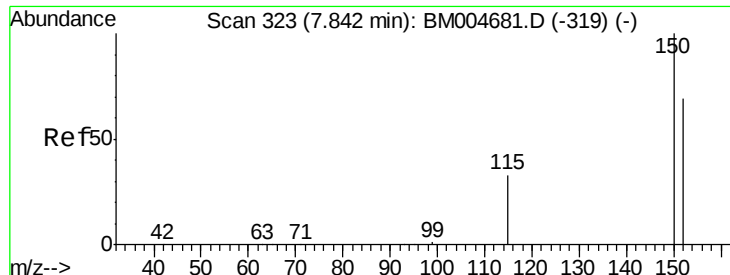
Instrument :
BNA_M
ClientSampleID :
SSTDICC3.2

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Quant Time: Mar 19 02:36:22 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: BM004684.D

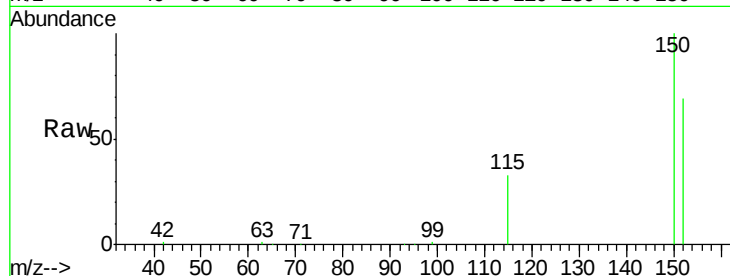
Acq: 18 Mar 2016 15:55

Instrument :

BNA_M

ClientSampleId :

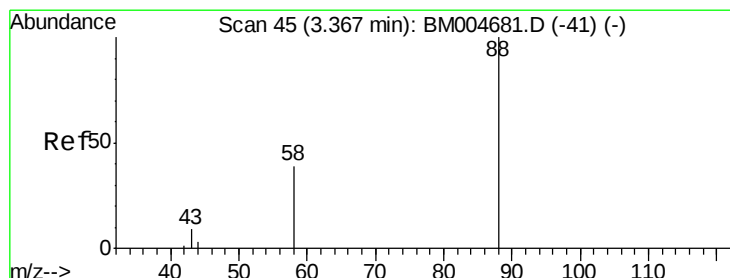
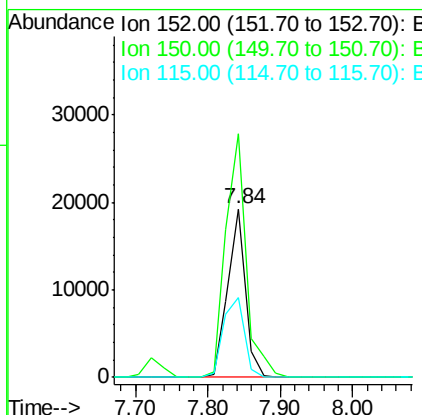
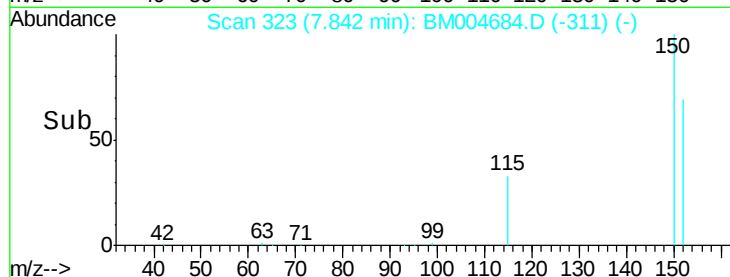
SSTDICC3.2



Tgt Ion:	152	Resp:	32070
Ion Ratio	Lower	Upper	
152	100		
150	144.8	115.9	173.9
115	47.5	38.4	57.6

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#2

1,4-Dioxane

Concen: 2.86 ng

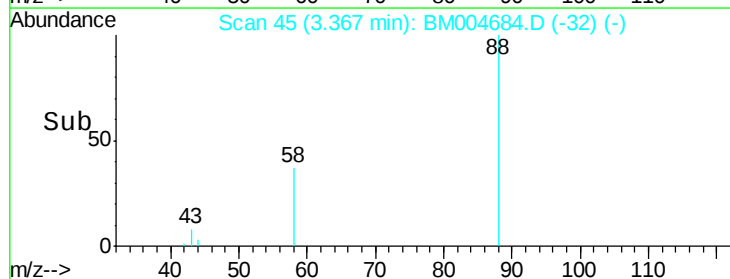
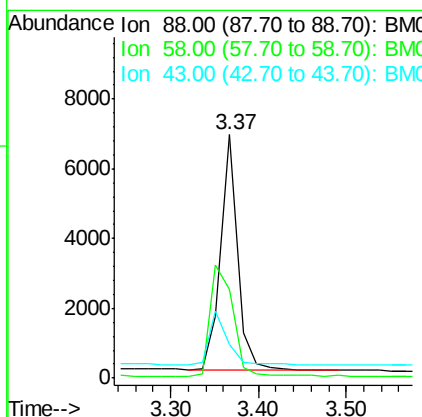
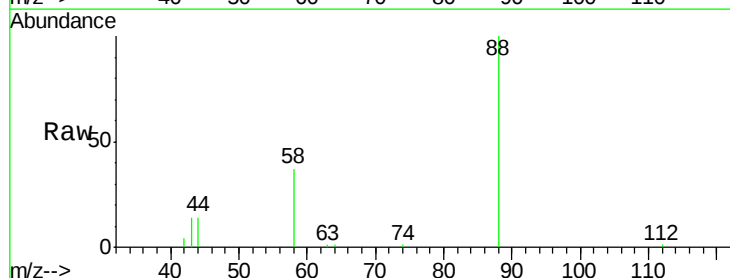
RT: 3.37 min Scan# 45

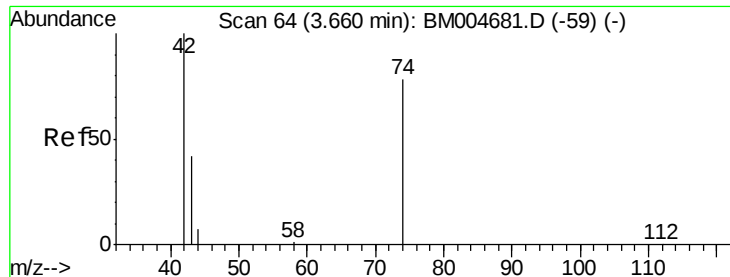
Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion:	88	Resp:	9048
Ion Ratio	Lower	Upper	
88	100		
58	62.4	43.9	65.9
43	24.0	19.9	29.9





#3

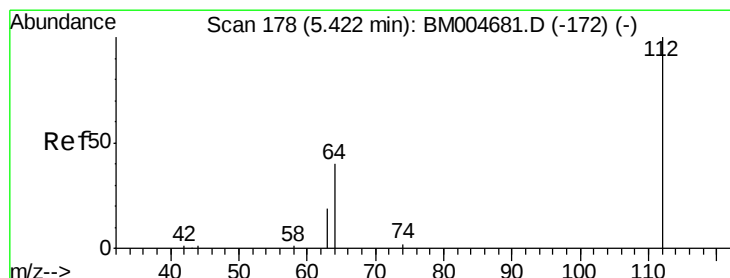
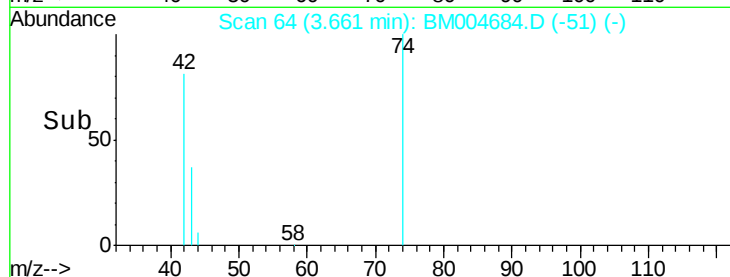
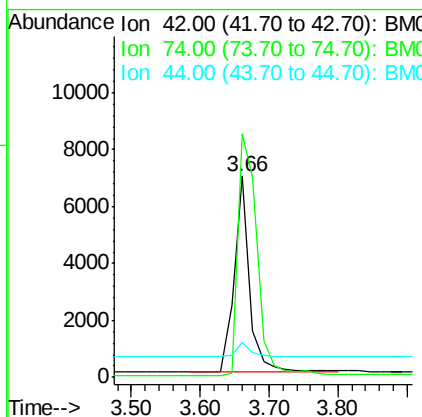
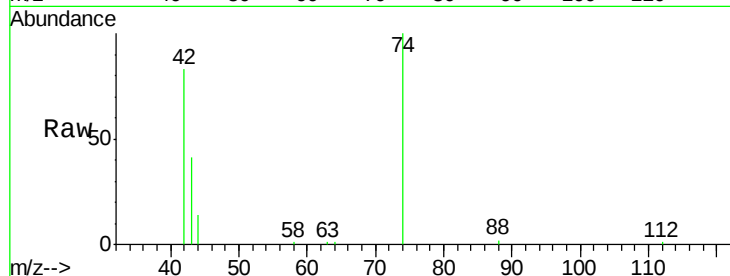
n-Nitrosodimethylamine
 Concen: 3.20 ng
 RT: 3.66 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
42	100		
74	155.3	120.9	181.3
44	7.3	6.0	9.0

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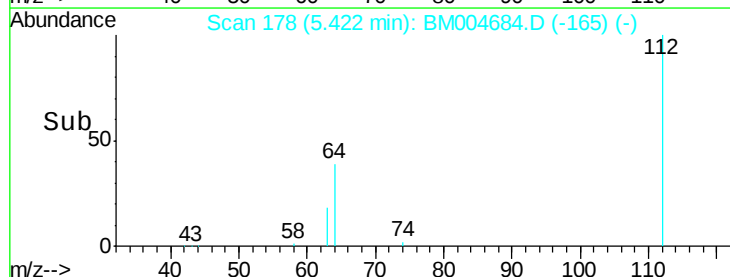
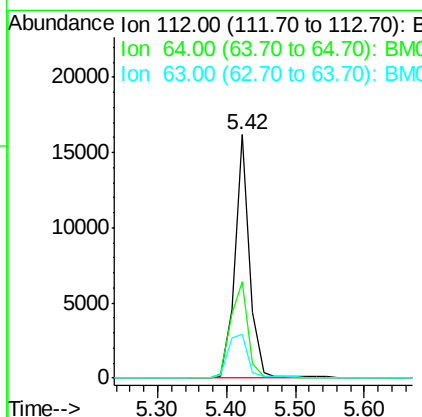
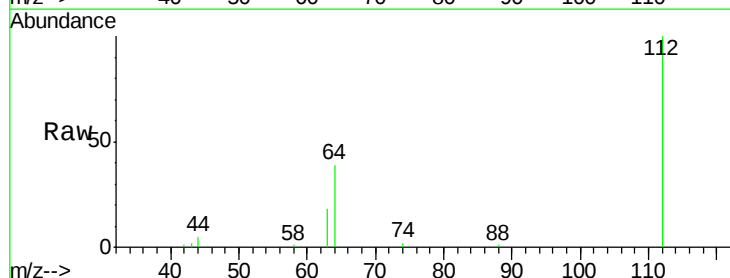
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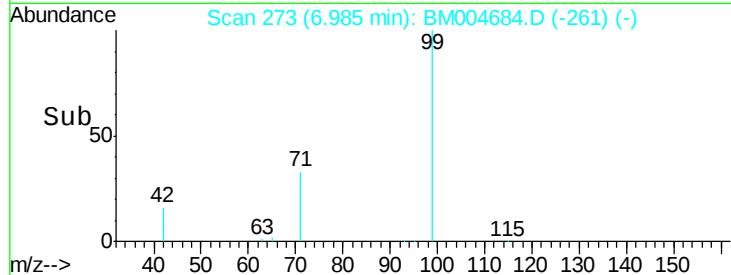
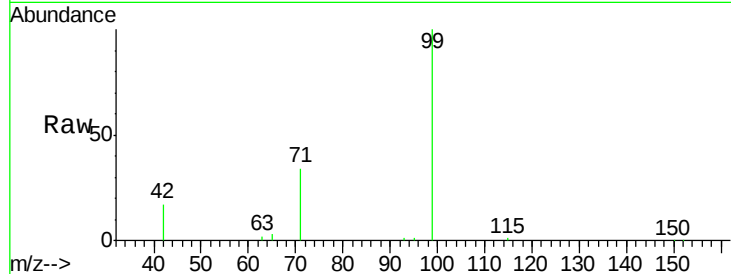
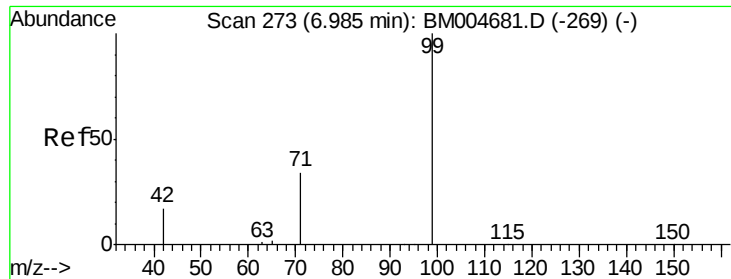


#4

2-Fluorophenol
 Concen: 3.21 ng
 RT: 5.42 min Scan# 178
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	37.0	55.6
63	23.7	19.3	28.9





#5

Phenol-d6

Concen: 3.26 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion:	99	Resp:	29514
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.7	19.1
71	27.9	22.9	34.3

Instrument :

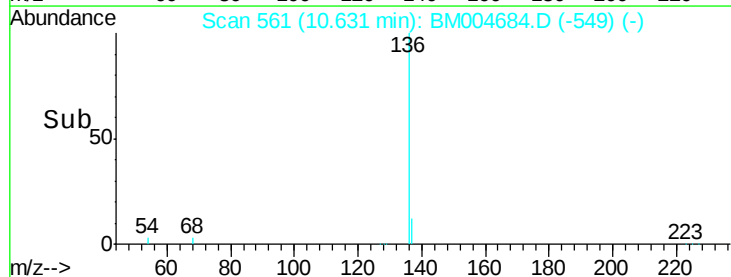
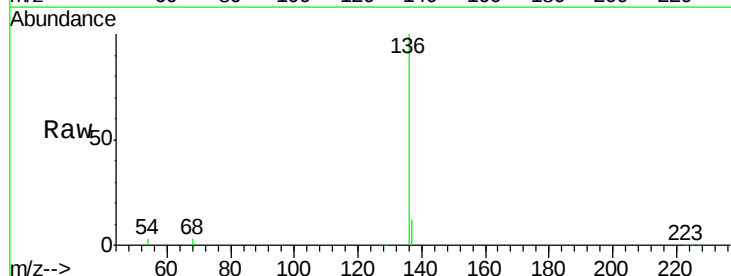
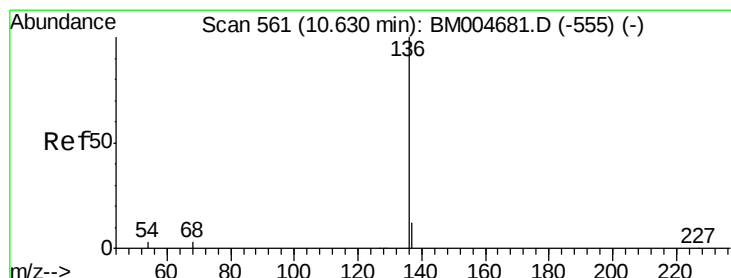
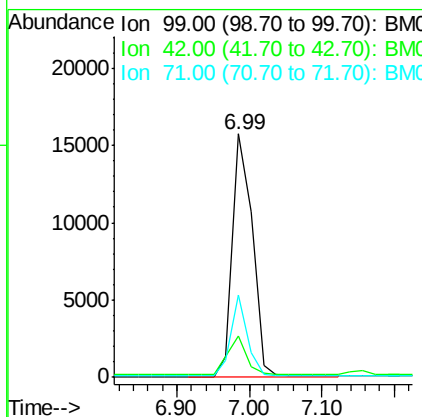
BNA_M

ClientSampleId :

SSTDICC3.2

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#6

Naphthalene-d8

Concen: 5.00 ng

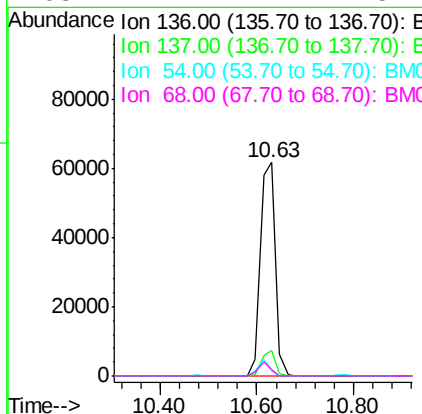
RT: 10.63 min Scan# 561

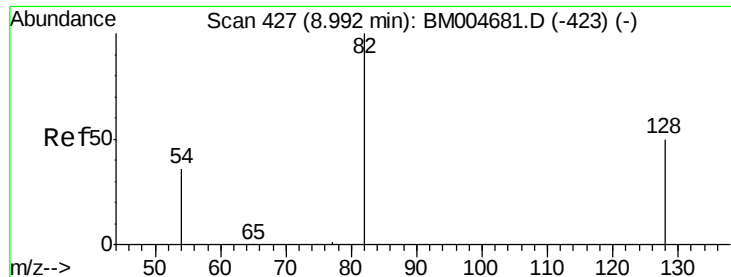
Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion:	136	Resp:	135472
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.4	14.2
54	2.7	2.2	3.4
68	2.7	2.2	3.4





#7

Nitrobenzene-d5

Concen: 3.26 ng

RT: 8.99 min Scan# 427

Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Instrument :

BNA_M

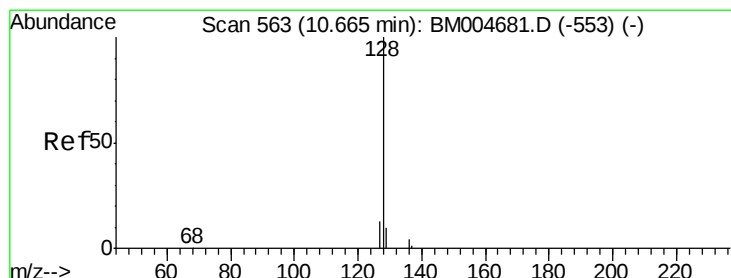
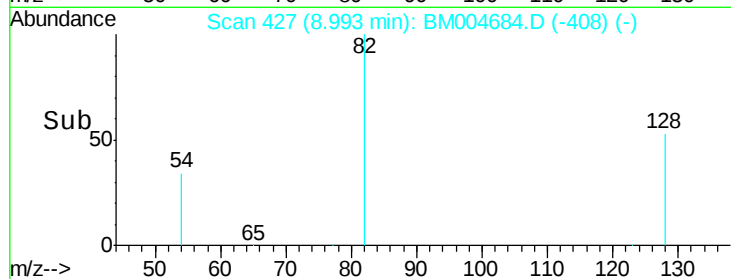
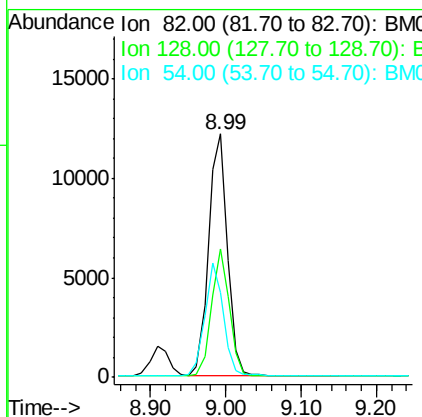
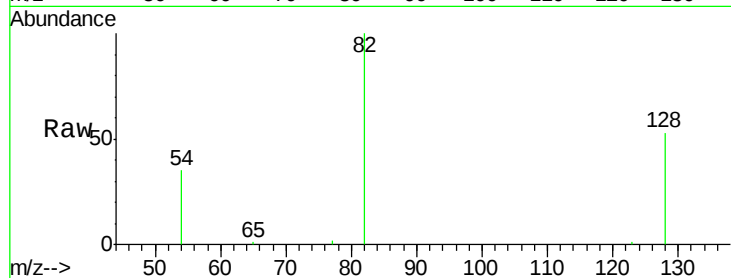
ClientSampleId :

SSTDICC3.2

Tgt Ion:	82	Resp:	21276
Ion Ratio	Lower	Upper	
82	100		
128	52.9	41.8	62.8
54	35.0	32.9	49.3

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#8

Naphthalene

Concen: 3.03 ng

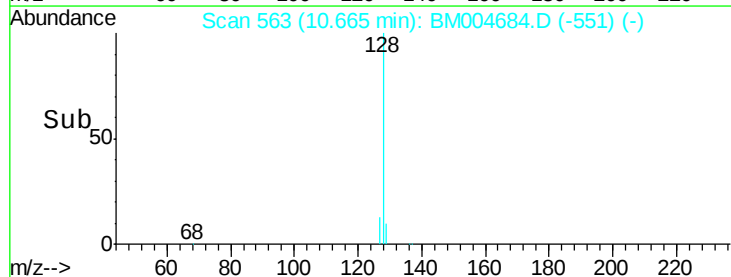
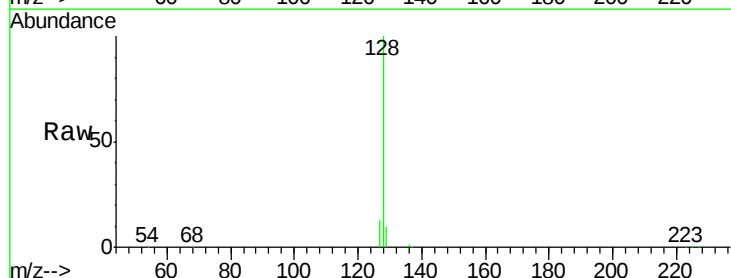
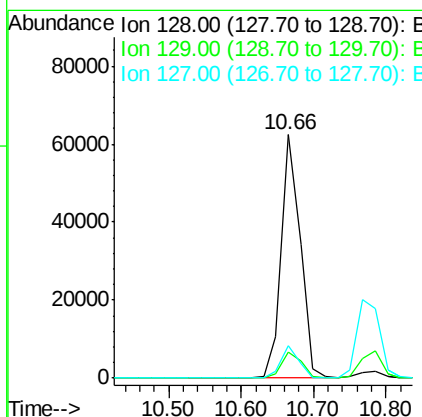
RT: 10.66 min Scan# 563

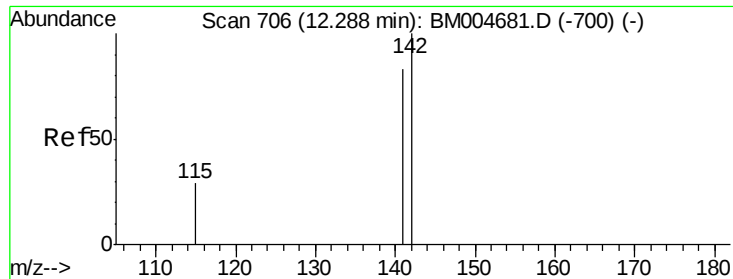
Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion:	128	Resp:	112911
Ion Ratio	Lower	Upper	
128	100		
129	10.5	8.9	13.3
127	13.5	11.3	16.9





#9

2-Methylnaphthalene

Concen: 3.23 ng

RT: 12.29 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM004684.D

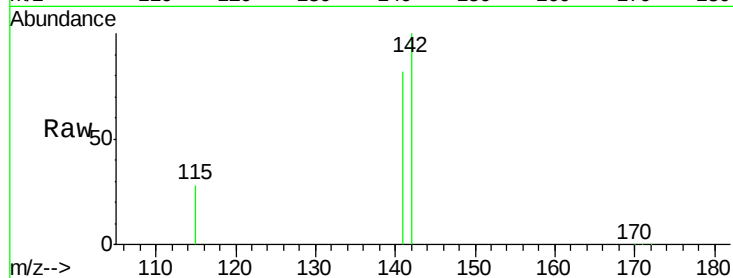
Acq: 18 Mar 2016 15:55

Instrument :

BNA_M

ClientSampleId :

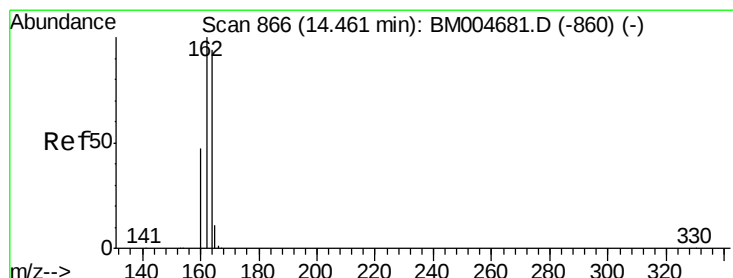
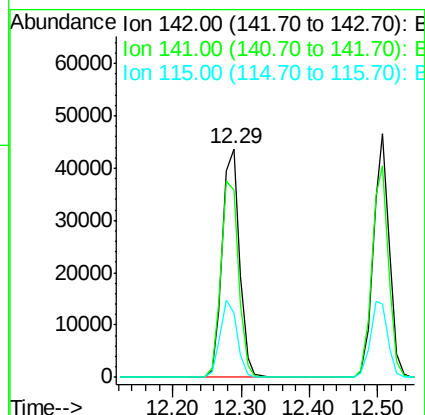
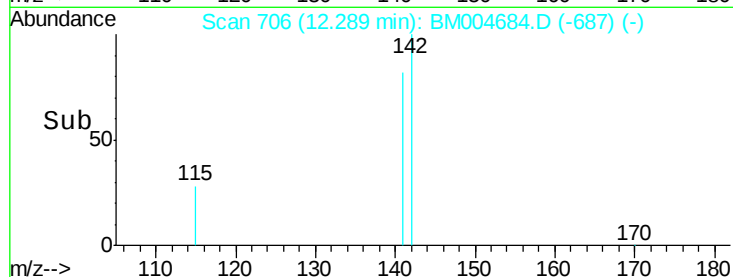
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Tgt Ion:	142	Resp:	75452
Ion Ratio	Lower	Upper	
142	100		
141	82.2	66.2	99.2
115	27.9	23.8	35.8

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#10

Acenaphthene-d10

Concen: 5.00 ng

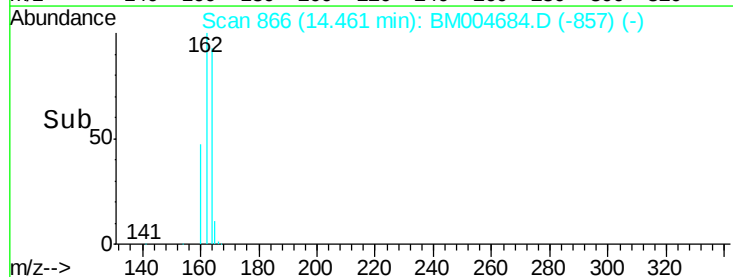
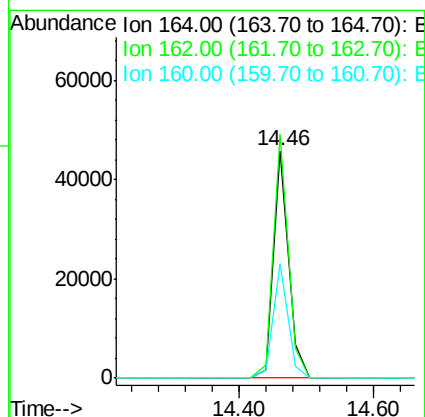
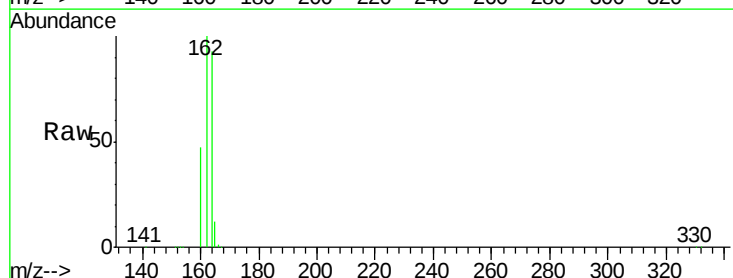
RT: 14.46 min Scan# 866

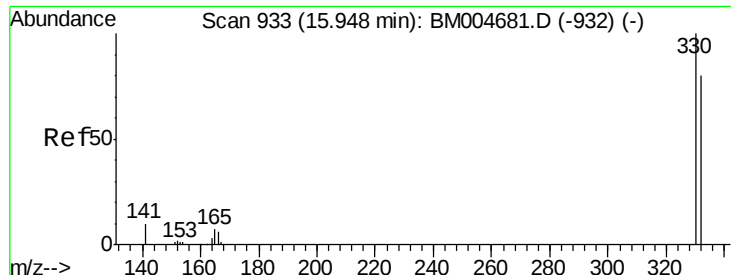
Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion:	164	Resp:	72377
Ion Ratio	Lower	Upper	
164	100		
162	107.1	85.4	128.0
160	50.5	40.2	60.2





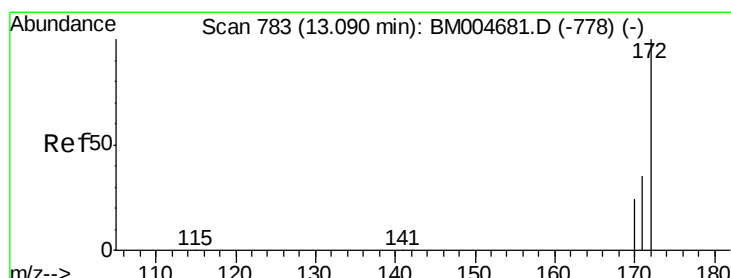
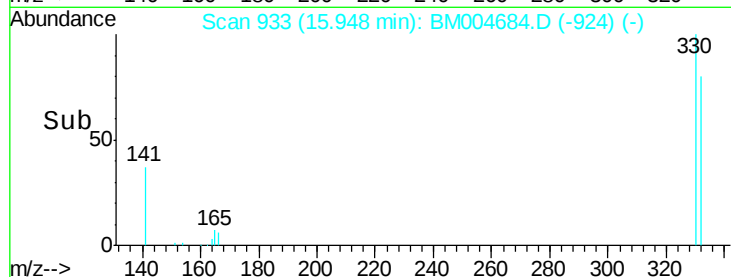
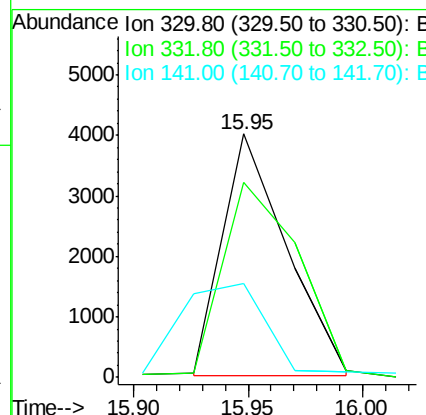
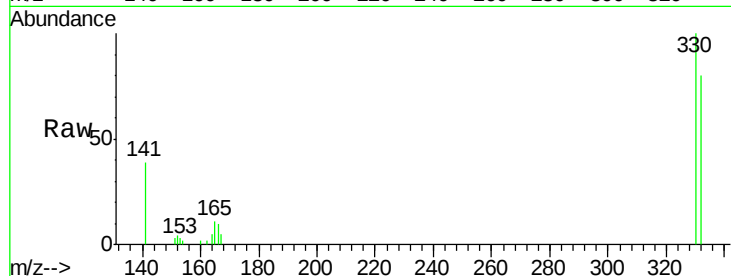
#11
 2,4,6-Tribromophenol
 Concen: 3.26 ng m
 RT: 15.95 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	93.9	140.9
141	50.6	42.2	63.2

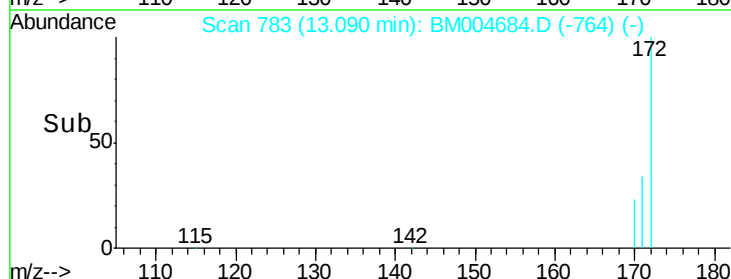
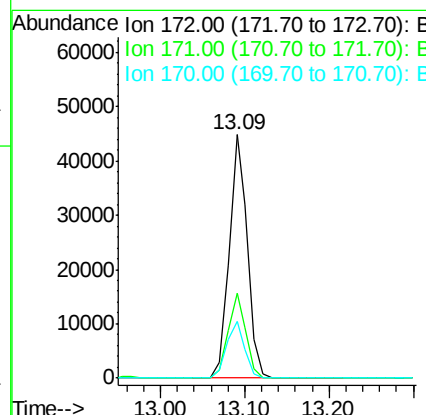
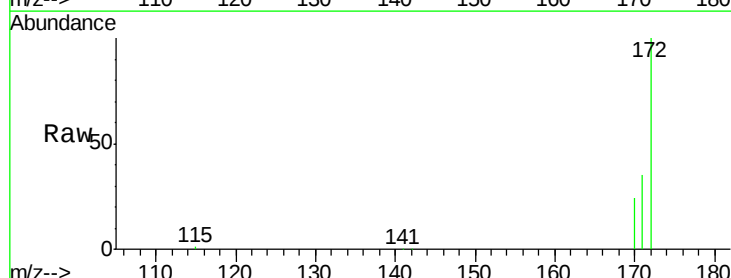
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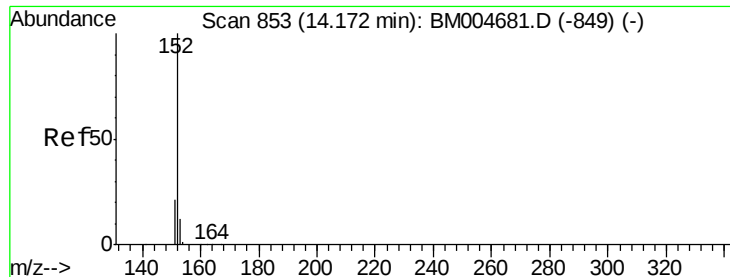
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#12
 2-Fluorobiphenyl
 Concen: 3.28 ng
 RT: 13.09 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.5	19.4	29.2





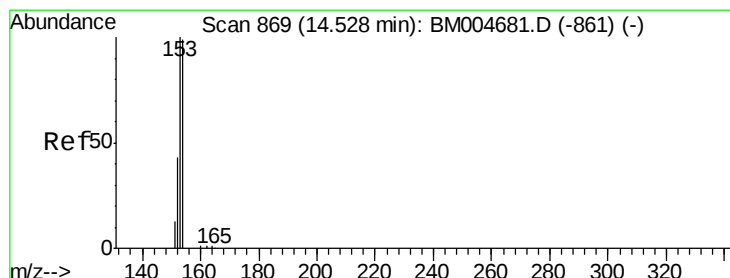
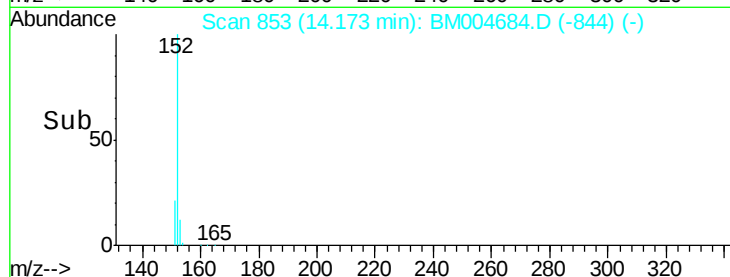
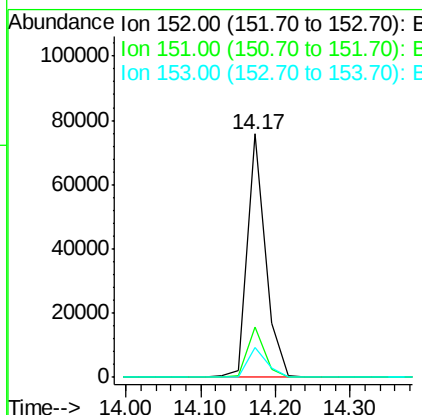
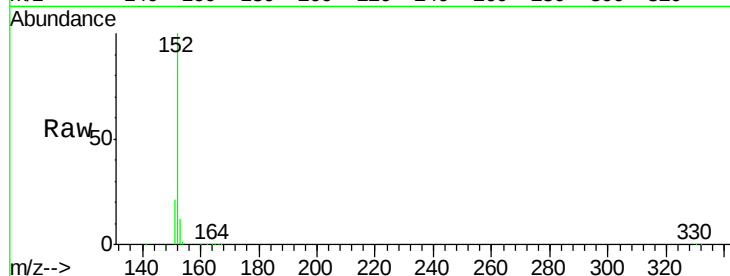
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Acenaphthylene
Concen: 3.43 ng
RT: 14.17 min Scan# 853
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

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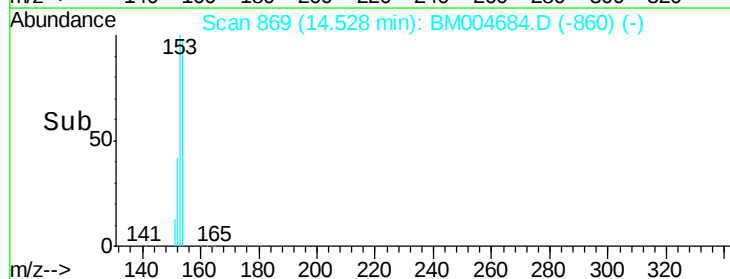
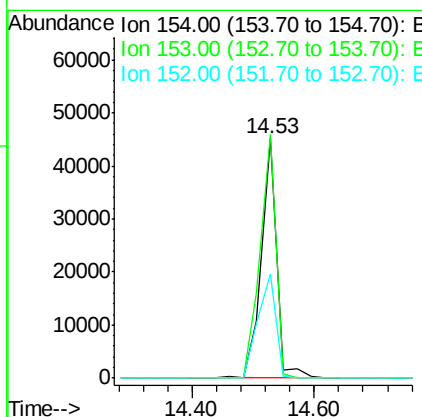
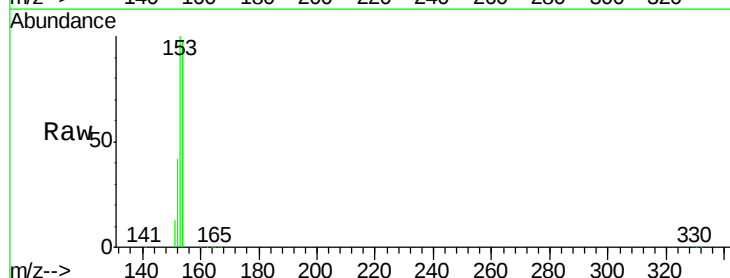
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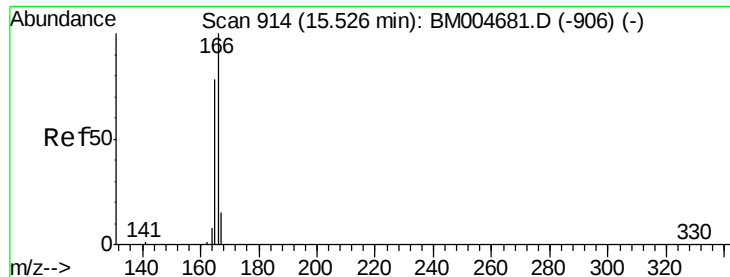
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	12.8	10.2	15.2



#14
Acenaphthene
Concen: 3.20 ng
RT: 14.53 min Scan# 869
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	105.6	83.8	125.6
152	50.5	40.3	60.5





#15

Fluorene

Concen: 3.23 ng

RT: 15.50 min Scan# 913

Delta R.T. -0.02 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Instrument :

BNA_M

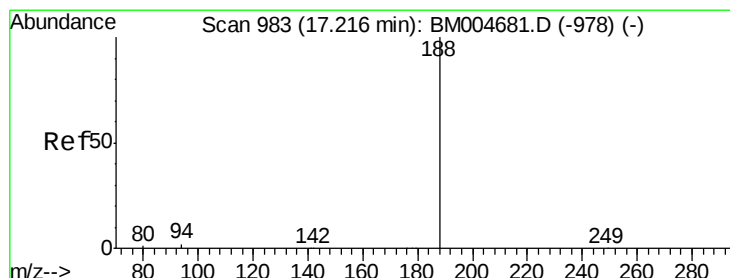
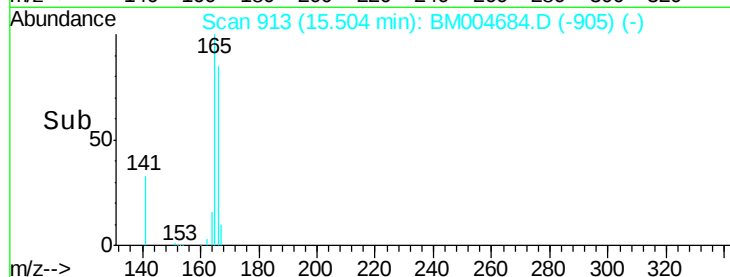
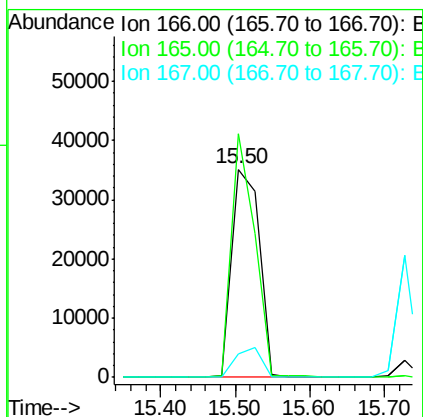
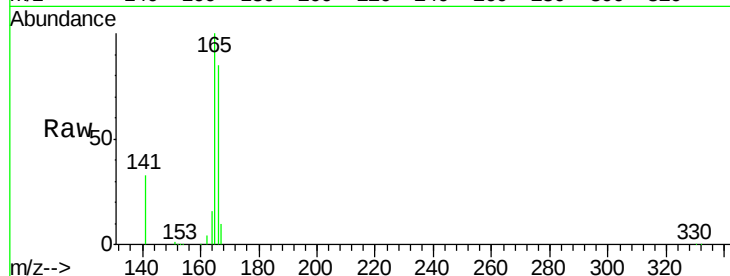
ClientSampleId :

SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	0.0	0.0#
167	0.0	10.6	15.8#

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#16

Phenanthrene-d10

Concen: 5.00 ng

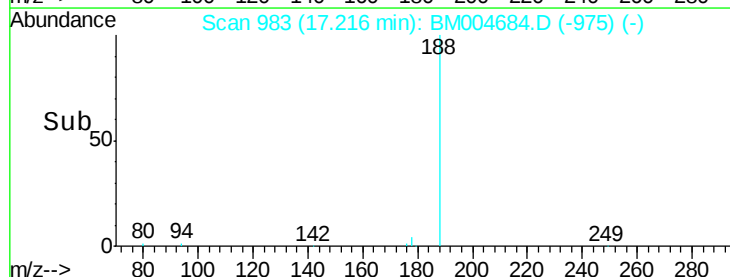
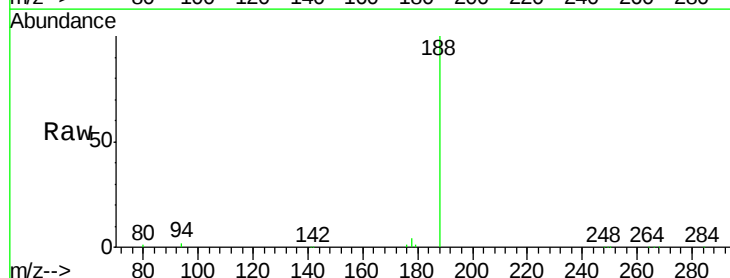
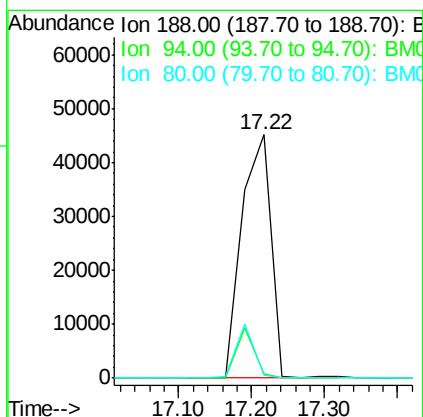
RT: 17.22 min Scan# 983

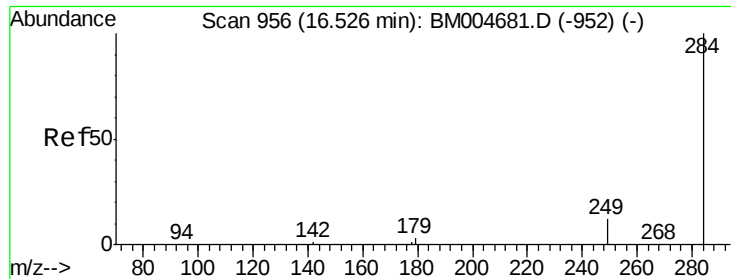
Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	1.6	1.4	2.0
80	1.2	1.0	1.6





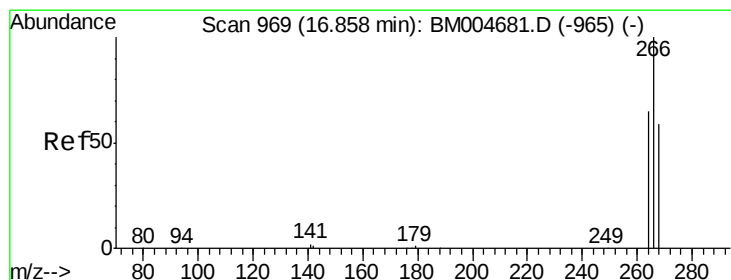
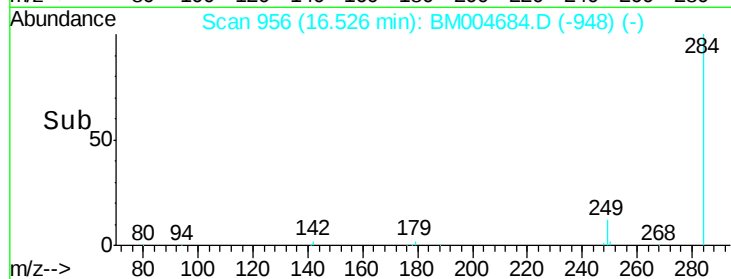
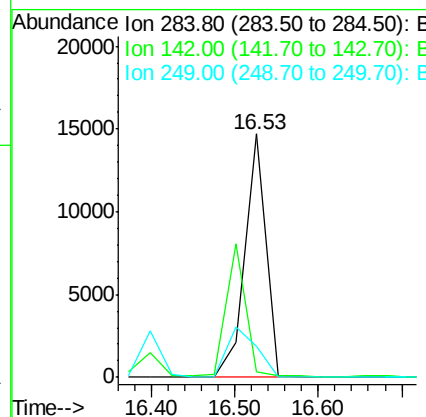
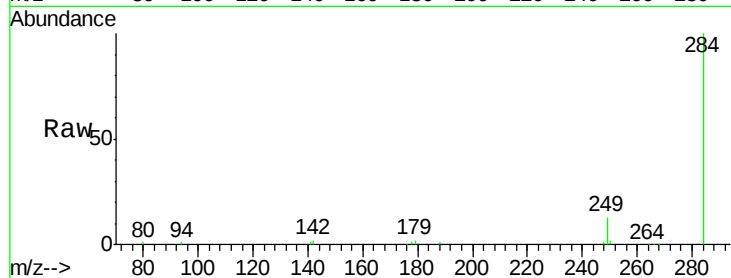
#17
Hexachlorobenzene
Concen: 3.36 ng
RT: 16.53 min Scan# 956
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

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

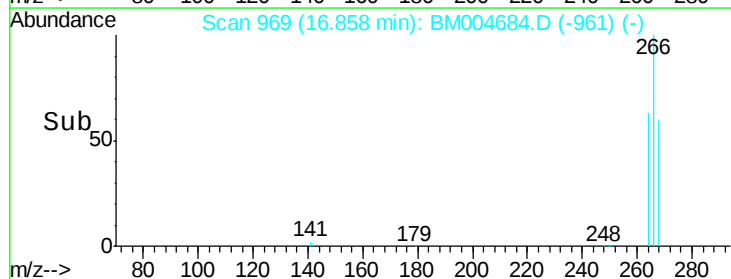
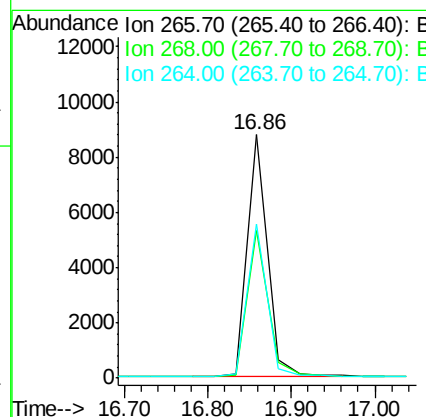
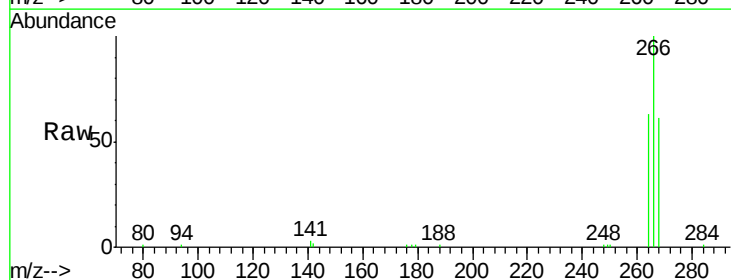
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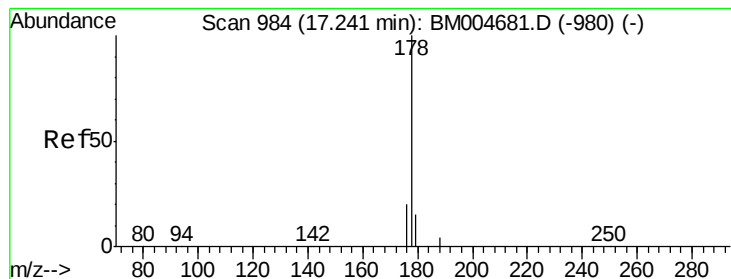
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#18
Pentachlorophenol
Concen: 3.56 ng
RT: 16.86 min Scan# 969
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	60.6	49.1	73.7
264	63.1	52.9	79.3





#19

Phenanthrene

Concen: 3.29 ng

RT: 17.24 min Scan# 984

Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Instrument :

BNA_M

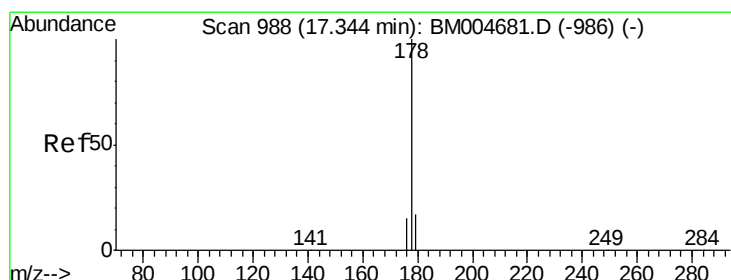
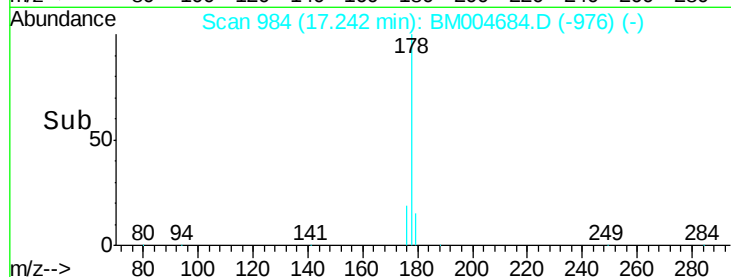
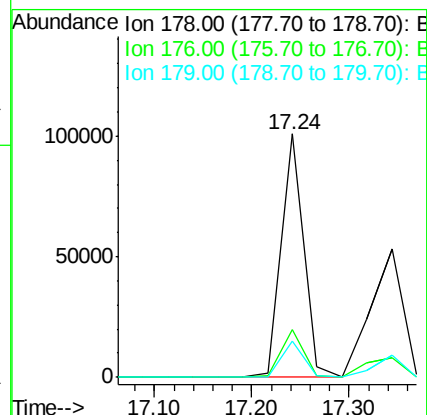
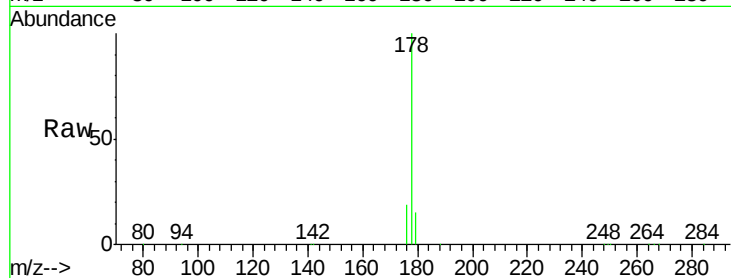
ClientSampleId :

SSTDICC3.2

Tgt Ion:	178	Resp:	163900
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.1	12.2	18.4

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#20

Anthracene

Concen: 3.38 ng

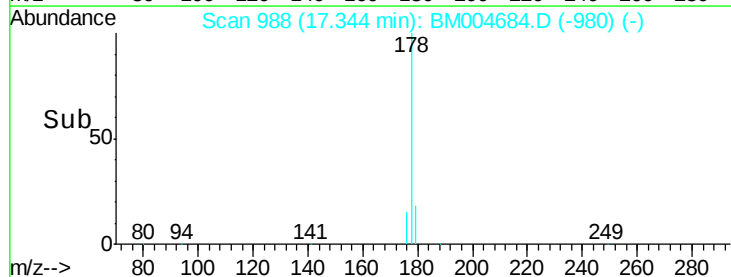
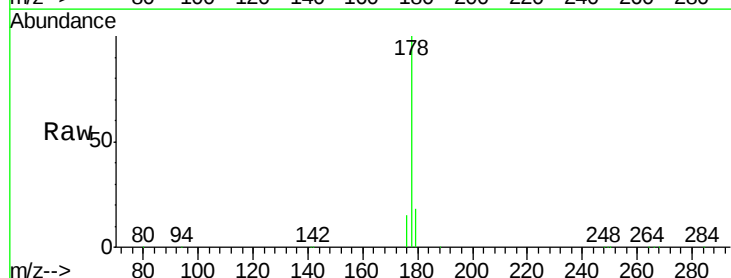
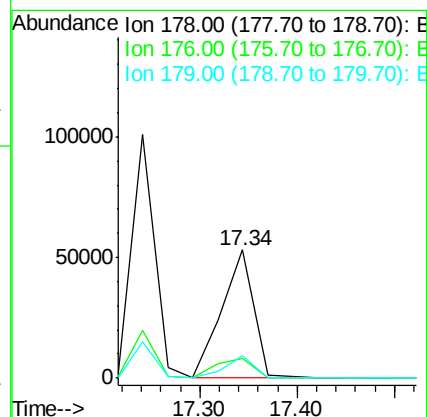
RT: 17.34 min Scan# 988

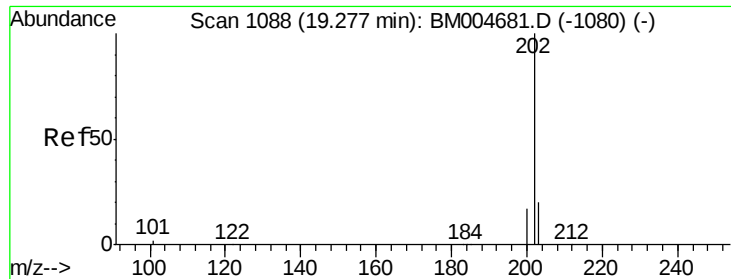
Delta R.T. 0.00 min

Lab File: BM004684.D

Acq: 18 Mar 2016 15:55

Tgt Ion:	178	Resp:	120257
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.5	21.7
179	15.8	12.6	18.8





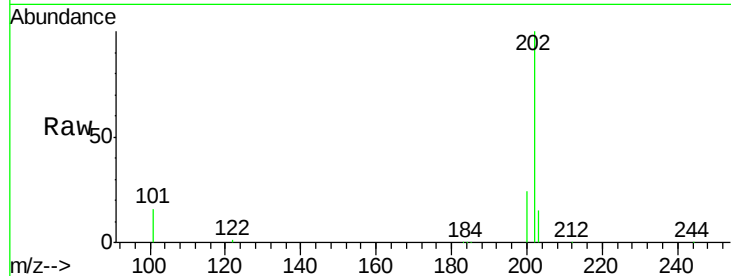
#21
Fluoranthene
Concen: 3.30 ng
RT: 19.26 min Scan# 1087
Delta R.T. -0.02 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

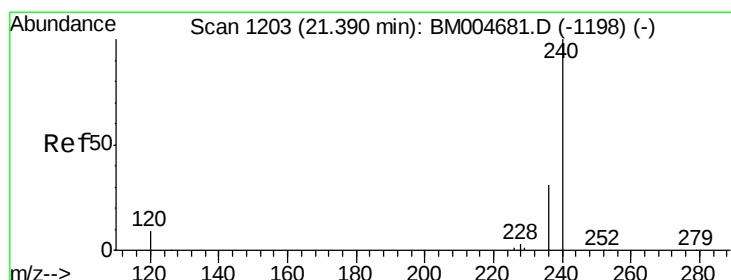
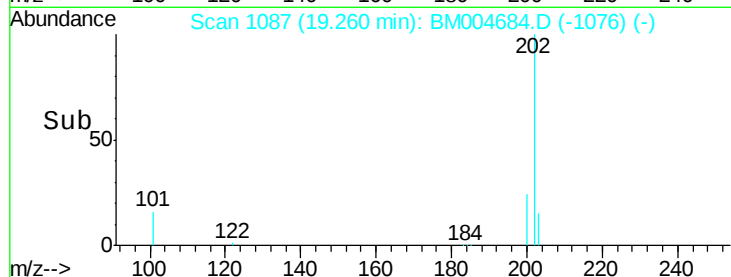
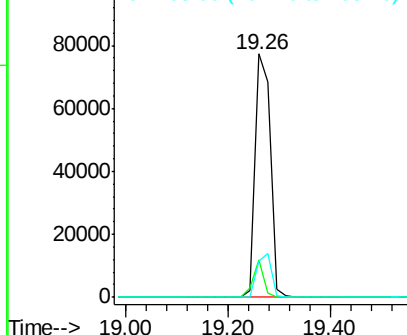
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.8	8.7	13.1
203	17.2	14.1	21.1

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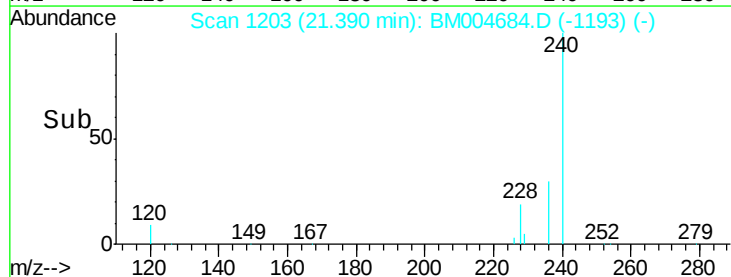
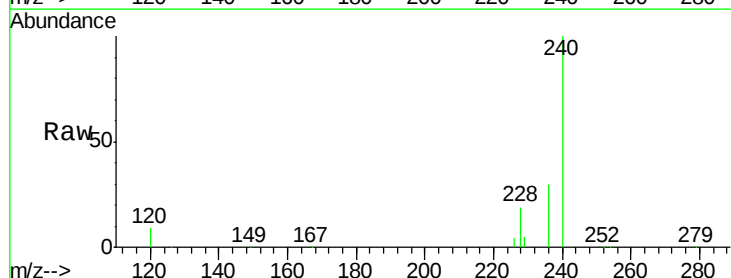
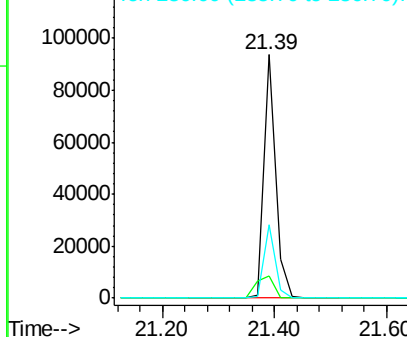
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

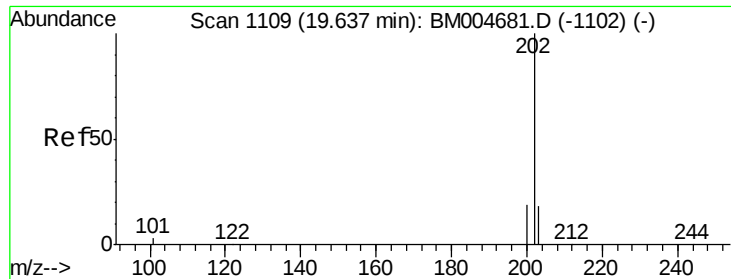


#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.39 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.0	7.4	11.2
236	30.2	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





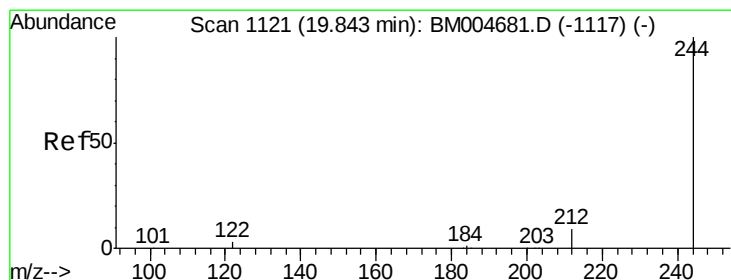
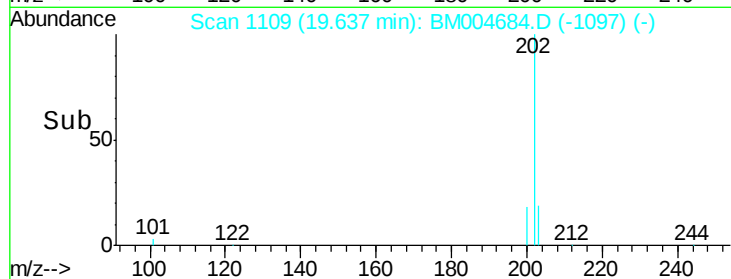
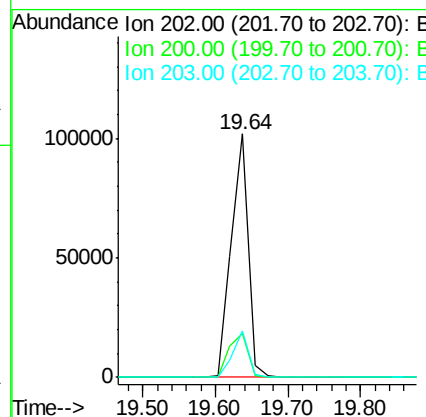
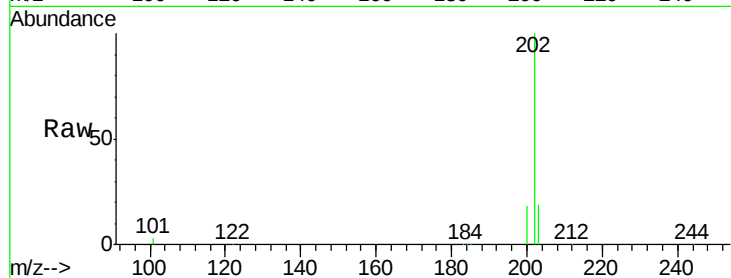
#23
 Pyrene
 Concen: 3.27 ng
 RT: 19.64 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	163541		
200	20.5	16.8	25.2	
203	17.6	13.9	20.9	

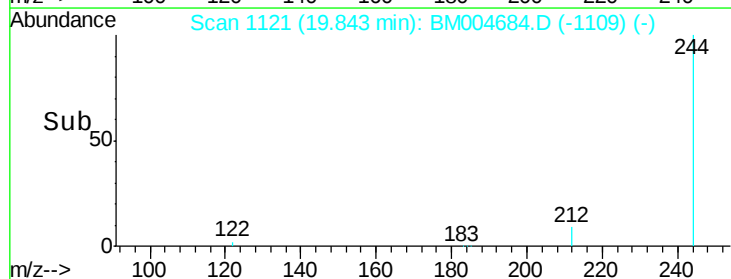
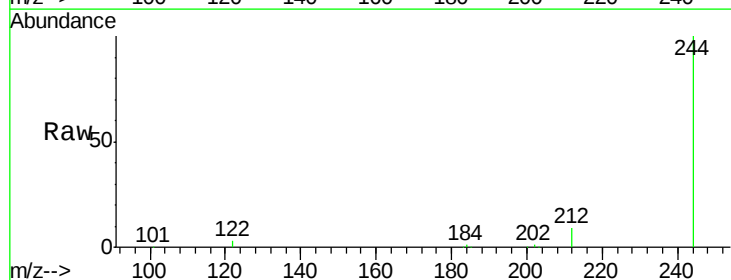
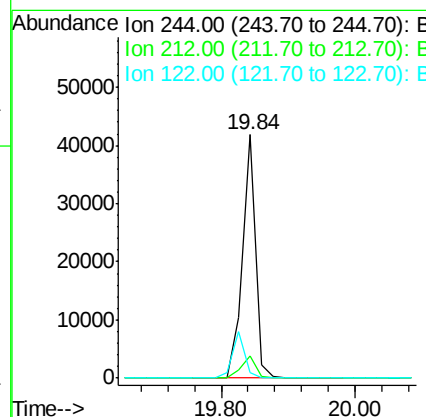
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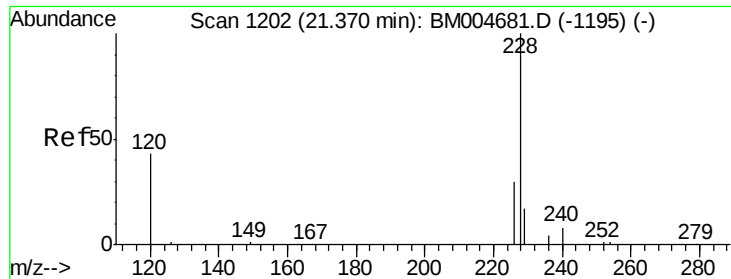
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#24
 Terphenyl-d14
 Concen: 3.26 ng
 RT: 19.84 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	56263		
212	8.9	7.7	11.5	
122	2.5	3.4	5.0	





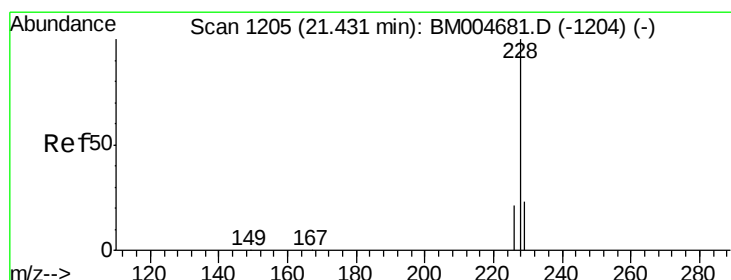
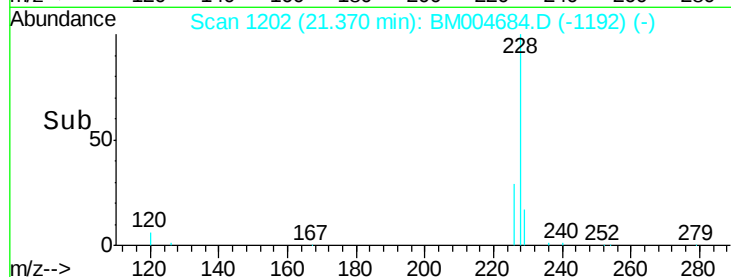
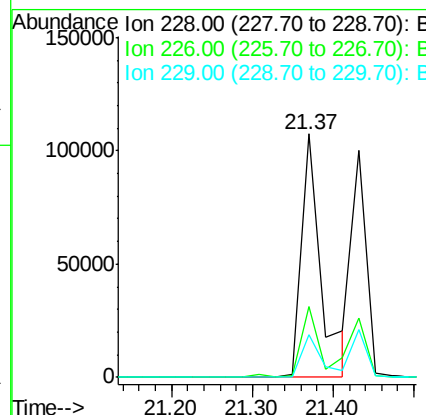
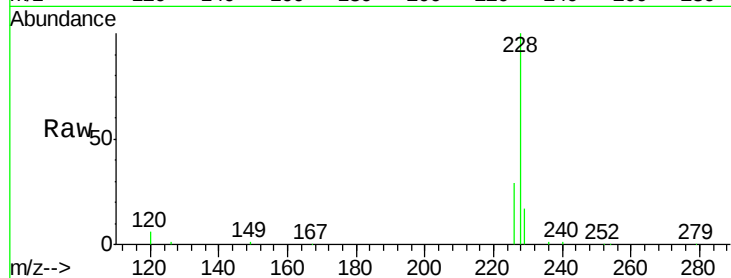
#25
Benzo(a)anthracene
Concen: 3.33 ng
RT: 21.37 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	181456		
226	29.1	24.2	36.2	
229	17.5	14.2	21.2	

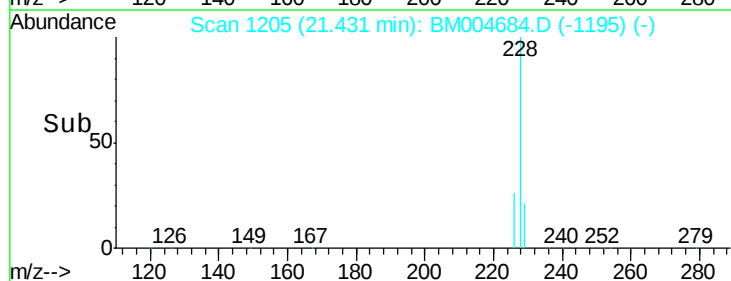
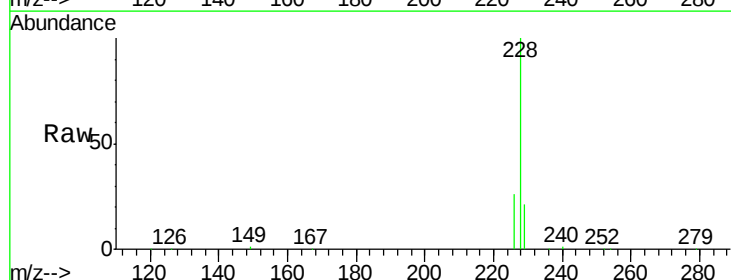
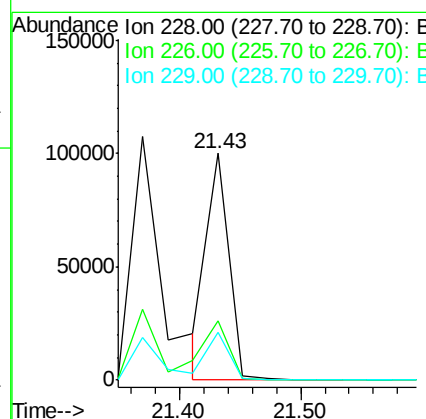
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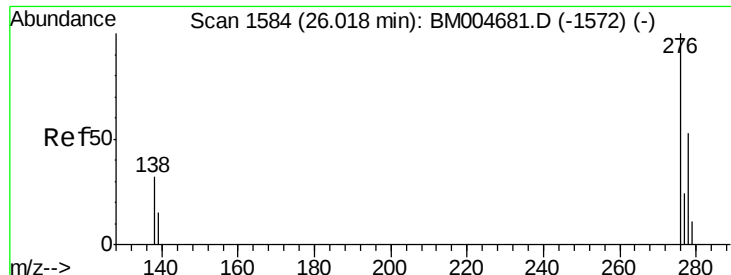
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#26
Chrysene
Concen: 3.09 ng
RT: 21.43 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	126026		
226	26.2	20.9	31.3	
229	21.3	17.4	26.2	





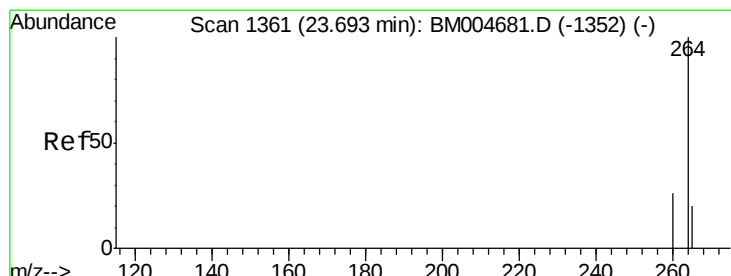
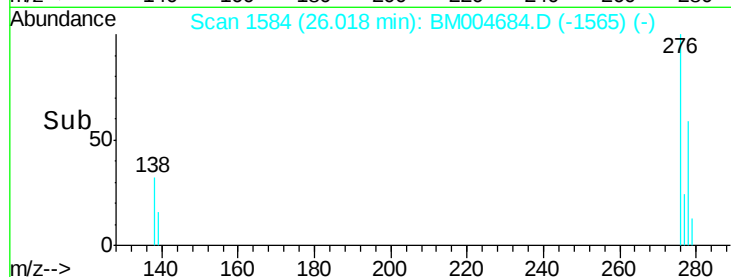
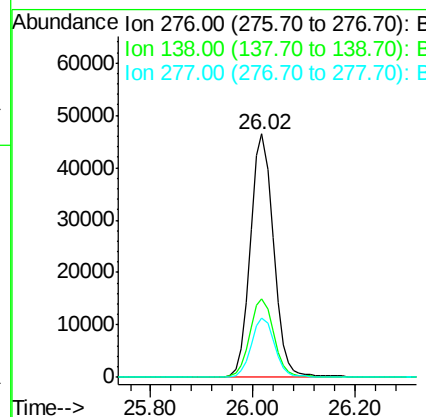
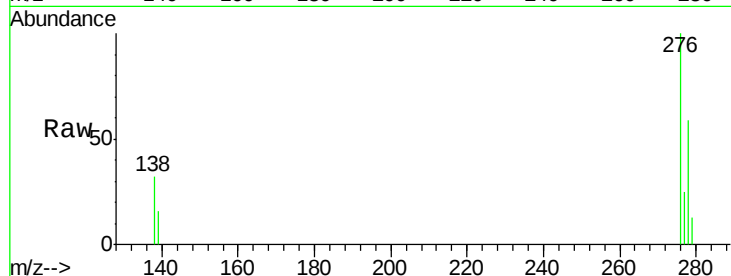
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.18 ng
 RT: 26.02 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	33.2	25.9	38.9
277	24.6	19.8	29.6

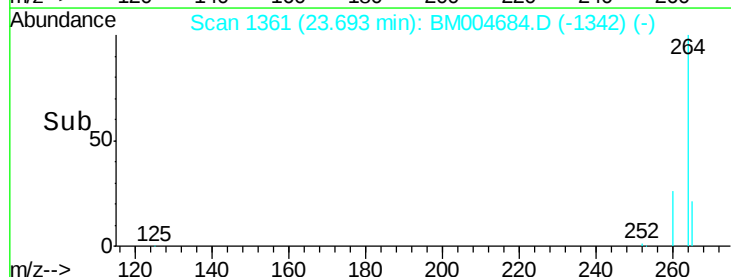
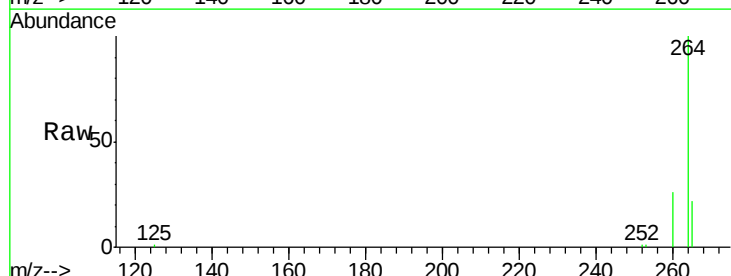
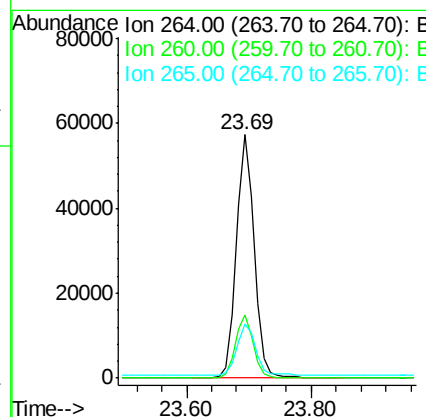
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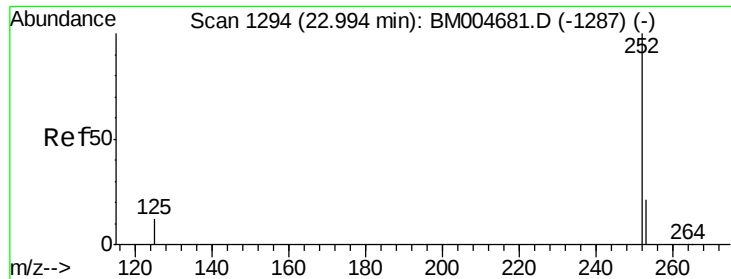
mohammad
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.69 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.7	21.0	31.4
265	22.4	17.5	26.3





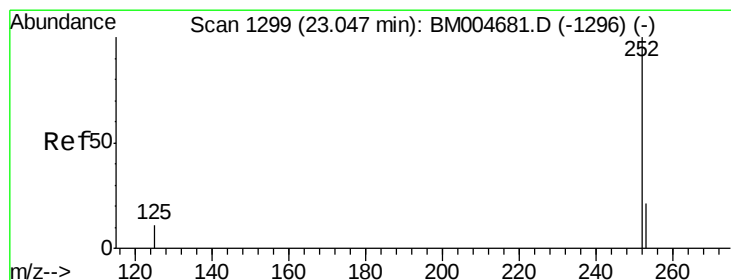
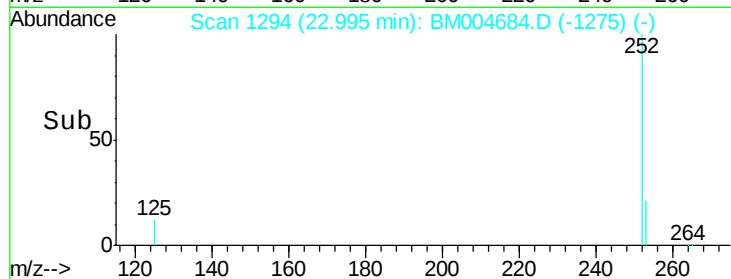
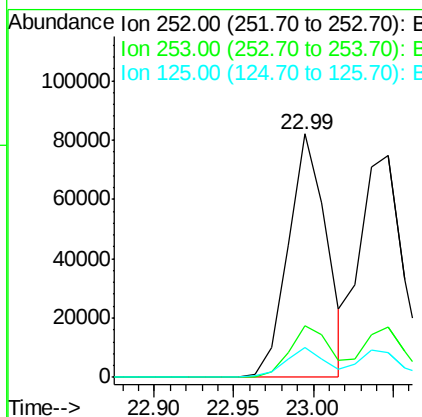
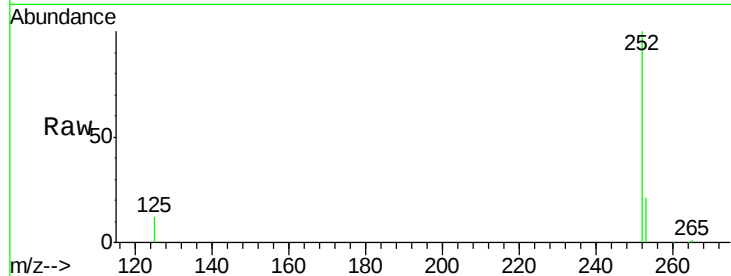
#29
Benzo(b)fluoranthene
Concen: 3.27 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	12.1	11.4	17.0

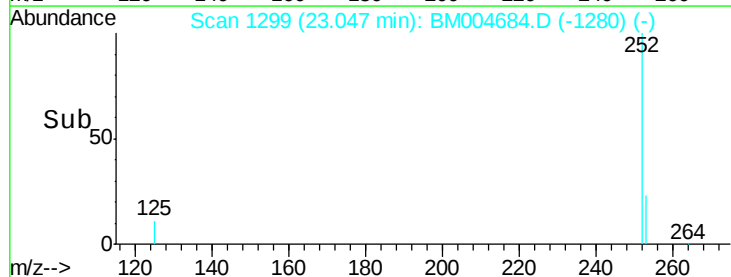
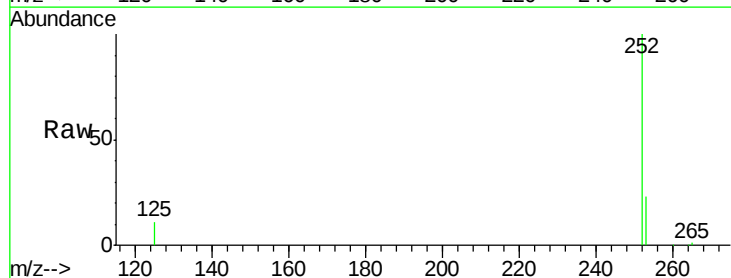
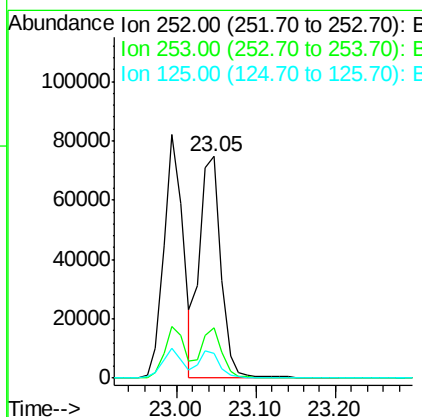
Manual Integrations
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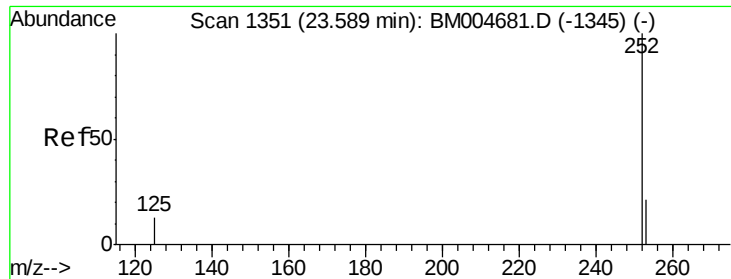
mohammad
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#30
Benzo(k)fluoranthene
Concen: 3.31 ng
RT: 23.05 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.3	28.9
125	11.1	10.6	15.8





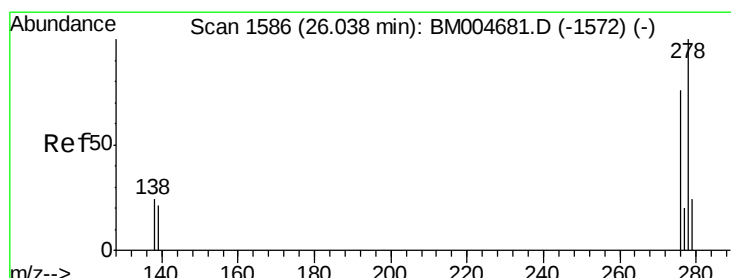
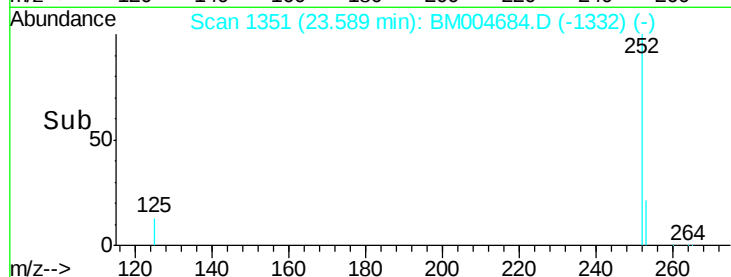
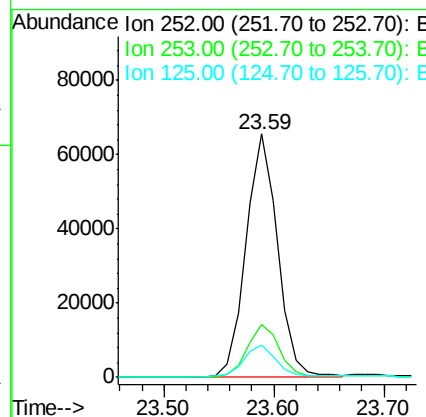
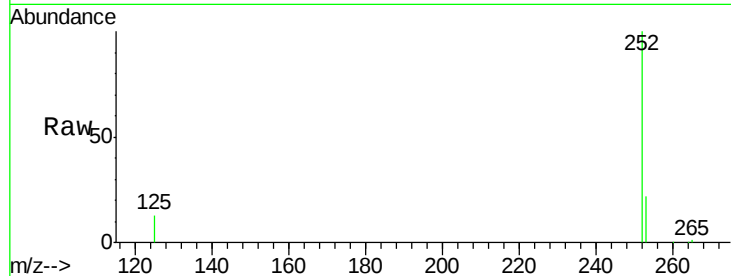
#31
Benzo(a)pyrene
Concen: 3.28 ng
RT: 23.59 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Instrument :
BNA_M
ClientSampleId :
SSTDICC3.2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.6	28.0
125	13.1	12.3	18.5

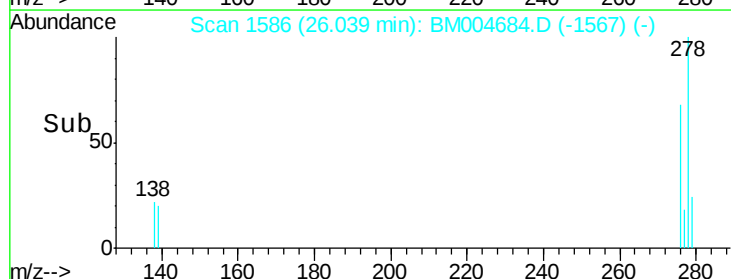
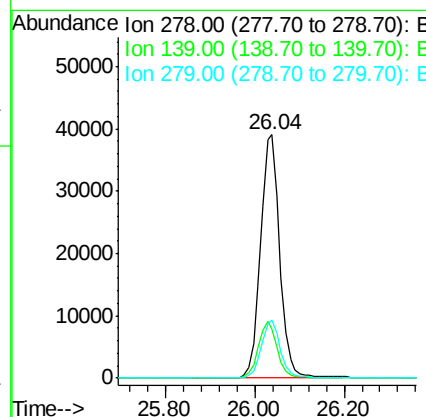
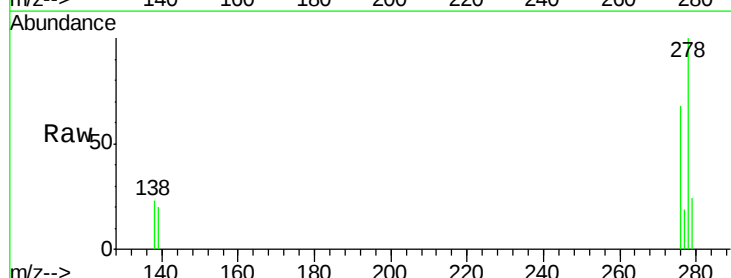
Manual Integrations
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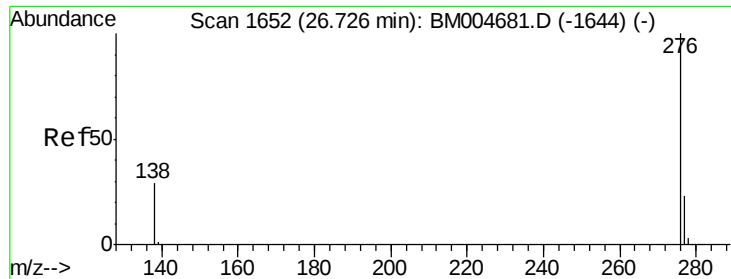
mohammad
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#32
Dibenzo(a,h)anthracene
Concen: 3.32 ng
RT: 26.04 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM004684.D
Acq: 18 Mar 2016 15:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	17.6	26.4
279	24.1	19.9	29.9





#33
 Benzo(g,h,i)perylene
 Concen: 2.84 ng
 RT: 26.73 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BM004684.D
 Acq: 18 Mar 2016 15:55

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC3.2

Tgt	Ion	276	Resp:	122124
Ion	Ratio	Lower	Upper	
276	100			
277	23.1	19.1	28.7	
138	28.8	24.5	36.7	

Manual Integrations
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