

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090215\
 Data File : BM002641.D
 Acq On : 02 Sep 2015 13:05
 Operator : UM/IZ
 Sample : G3456-21DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 D9EA6DL

Manual Integrations
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Quant Time: Sep 02 17:50:27 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Sep 02 17:21:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	88310	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	405097	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	206724	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	379921	20.00	ng/ul	0.00
17) Chrysene-d12	22.17	240	290365	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	294242	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	15.07	160	73164	3.46	ng/ul	0.00
10) Fluorene-d10	16.34	176	50930	3.43	ng/ul	0.00
14) Anthracene-d10	18.18	188	67966	3.71	ng/ul	0.00
18) Pyrene-d10	20.40	212	55117	4.28	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.63	264	51820	3.35	ng/ul	0.00

Target Compounds

						Qvalue
3) Naphthalene	11.69	128	381224	18.44	ng/ul	99
4) 2-Methylnaphthalene	13.24	142	94587	6.11	ng/ul	99
5) 1-Methylnaphthalene	13.46	142	49554	3.23	ng/ul	98
9) Acenaphthene	15.43	153	423932	29.09	ng/ul	99
11) Fluorene	16.40	166	421051	25.22	ng/ul	100
13) Phenanthrene	18.13	178	3238169	147.60	ng/ul	99
15) Anthracene	18.22	178	865728	38.94	ng/ul	99
16) Fluoranthene	20.08	202	3121969	125.69	ng/ul	96
19) Pyrene	20.43	202	2236570	131.48	ng/ul	97
20) Benzo(a)anthracene	22.15	228	1229625	70.82	ng/ul	99
21) Chrysene	22.21	228	1034656	63.71	ng/ul	98
23) Benzo(b)fluoranthene	23.99	252	1382018	77.69	ng/ul	98
24) Benzo(k)fluoranthene	24.03	252	441031m	26.16	ng/ul	
26) Benzo(a)pyrene	24.68	252	920968	54.20	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.57	276	637994	32.65	ng/ul	94
28) Dibenzo(a,h)anthracene	27.57	278	172955	10.59	ng/ul#	76
29) Benzo(g,h,i)perylene	28.44	276	509440	31.32	ng/ul	97

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

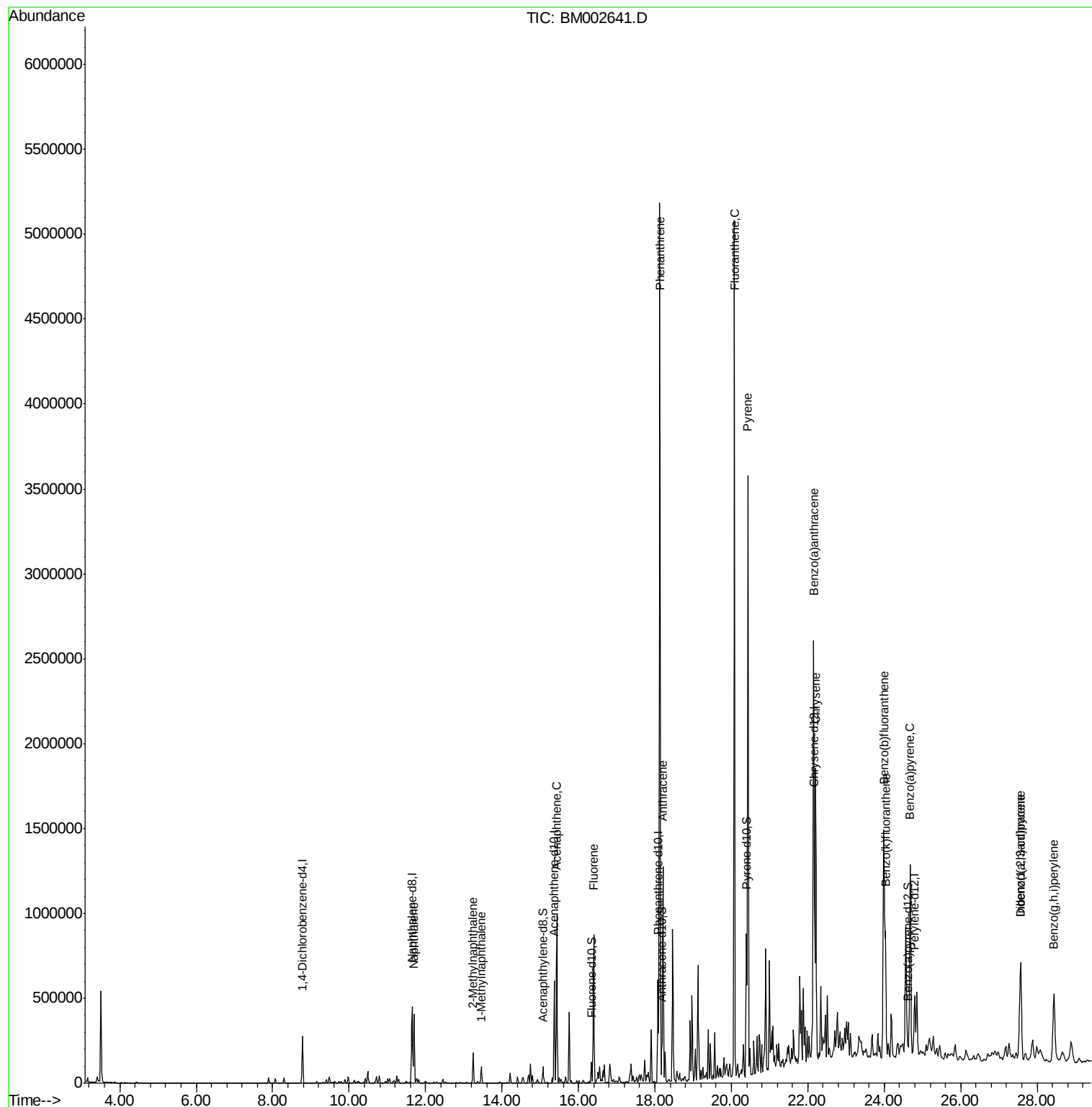
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090215\
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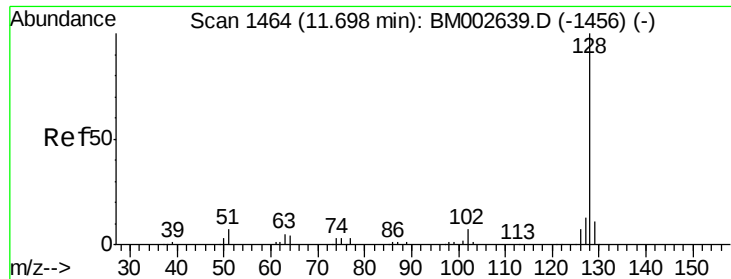
Instrument :
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Quant Time: Sep 02 17:50:27 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 02 17:21:03 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 18.44 ng/ul

RT: 11.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BM002641.D

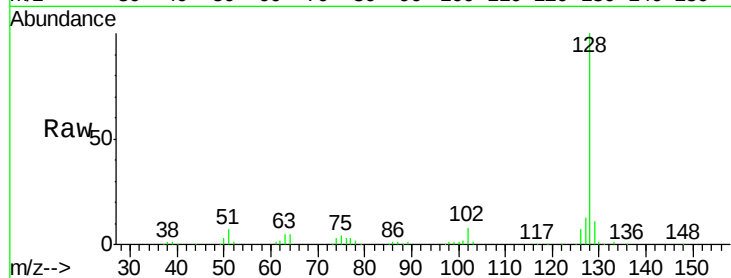
Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

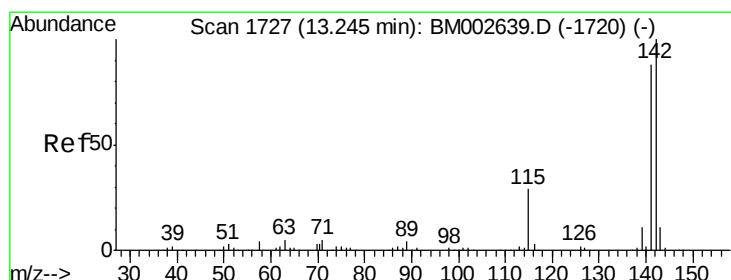
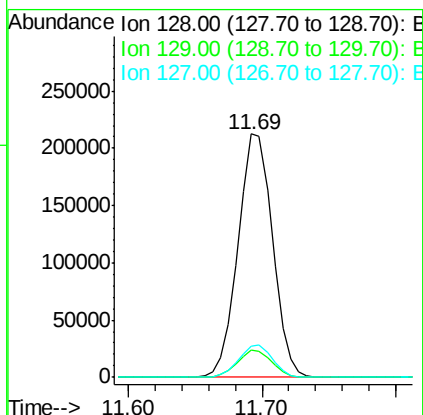
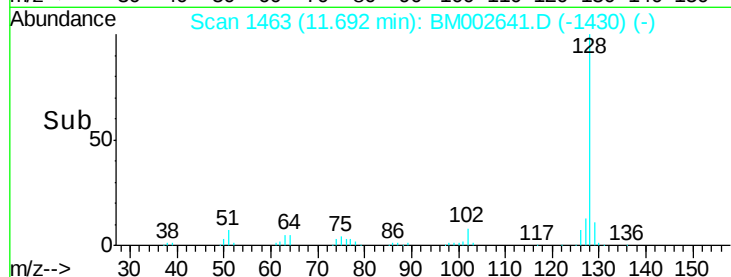
D9EA6DL



Tgt Ion:	128	Resp:	381224
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.6	12.8
127	12.8	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 6.11 ng/ul

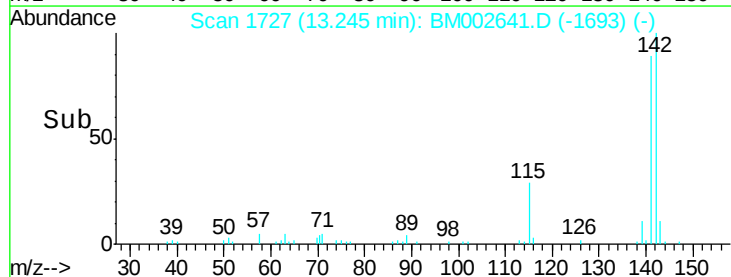
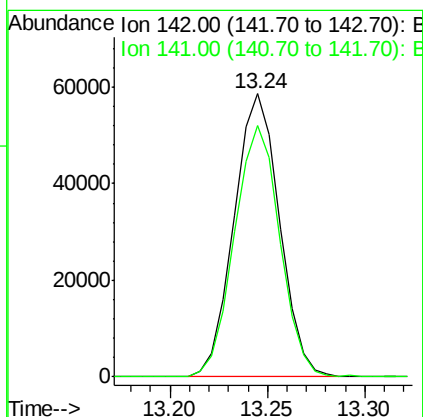
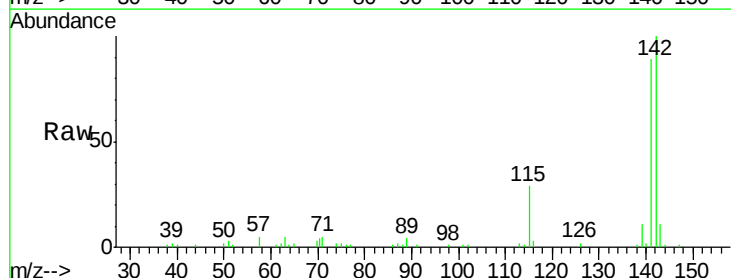
RT: 13.24 min Scan# 1727

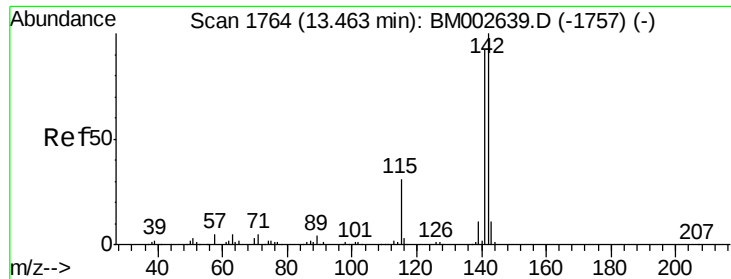
Delta R.T. -0.00 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Tgt Ion:	142	Resp:	94587
Ion Ratio	Lower	Upper	
142	100		
141	89.0	72.2	108.2





#5

1-Methylnaphthalene

Concen: 3.23 ng/ul

RT: 13.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM002641.D

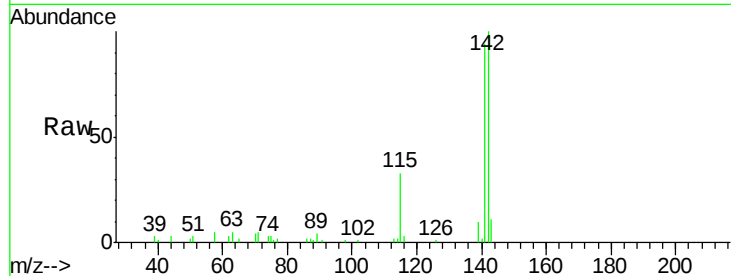
Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

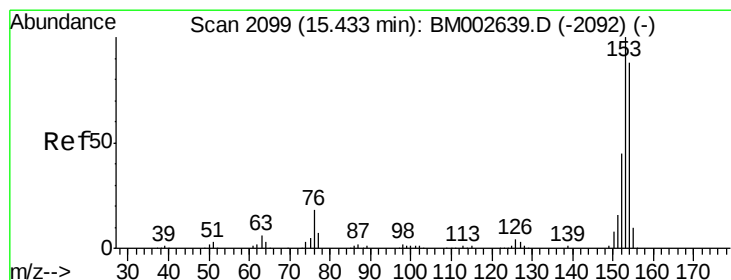
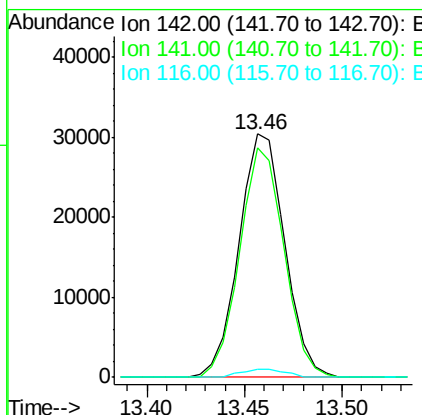
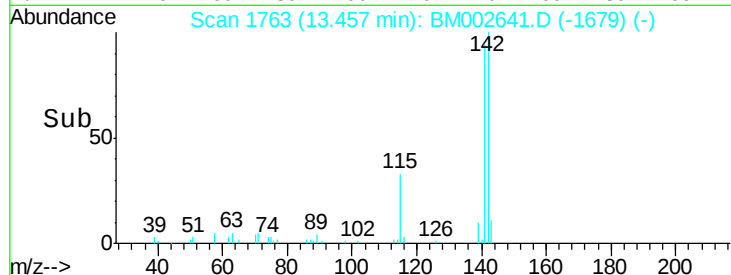
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Tgt Ion:	142	Resp:	49554
Ion Ratio	Lower	Upper	
142	100		
141	94.5	73.9	110.9
116	3.3	3.0	4.4

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#9

Acenaphthene

Concen: 29.09 ng/ul

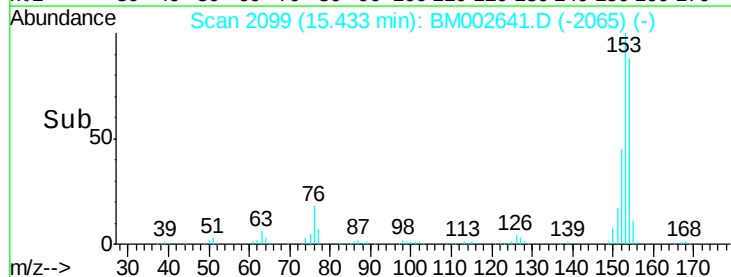
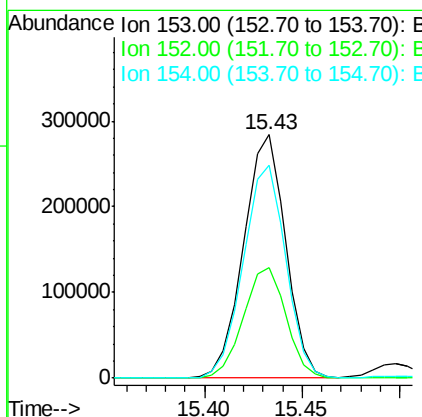
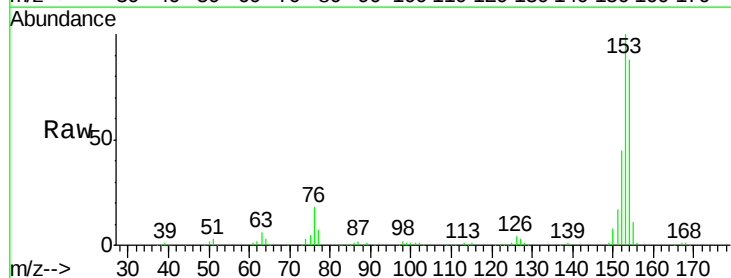
RT: 15.43 min Scan# 2099

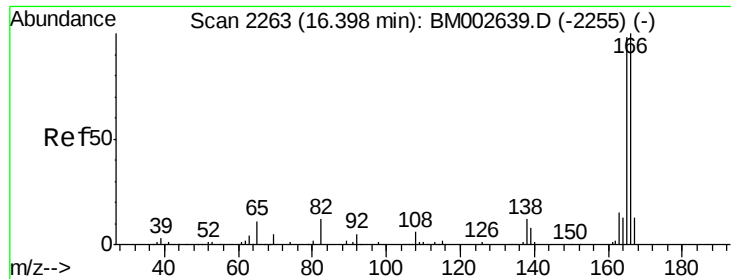
Delta R.T. -0.00 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Tgt Ion:	153	Resp:	423932
Ion Ratio	Lower	Upper	
153	100		
152	45.3	36.9	55.3
154	87.6	71.3	106.9





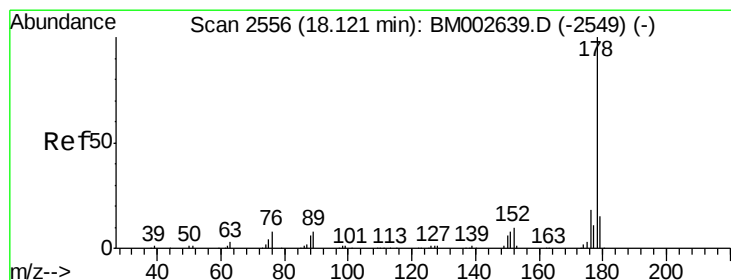
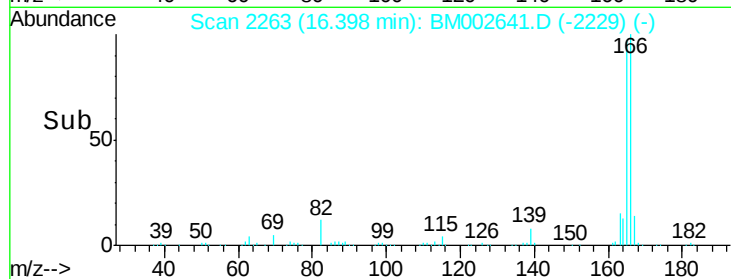
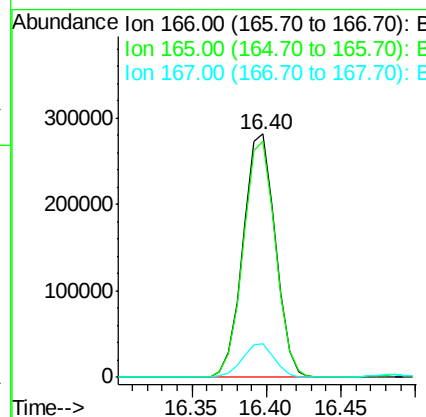
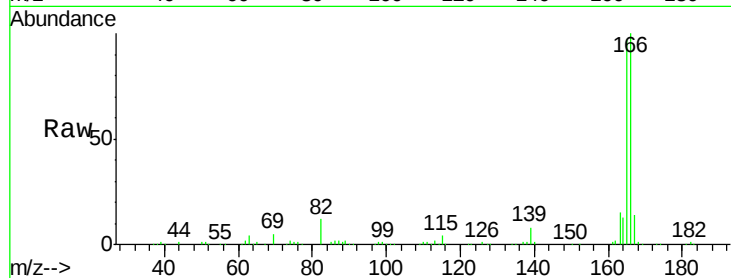
#11
Fluorene
 Concen: 25.22 ng/ul
 RT: 16.40 min Scan# 2263
 Delta R.T. -0.00 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.7	10.7	16.1

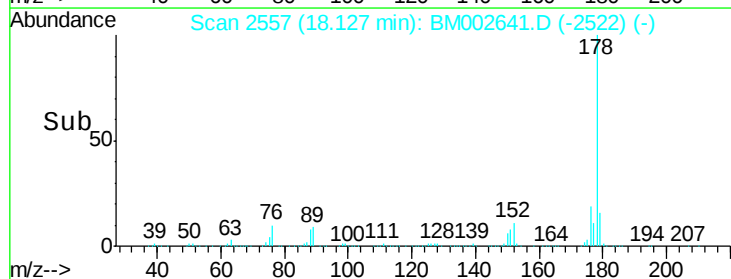
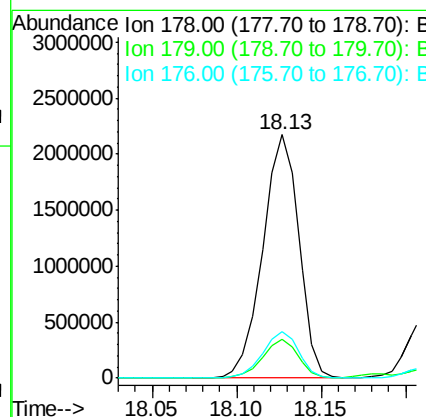
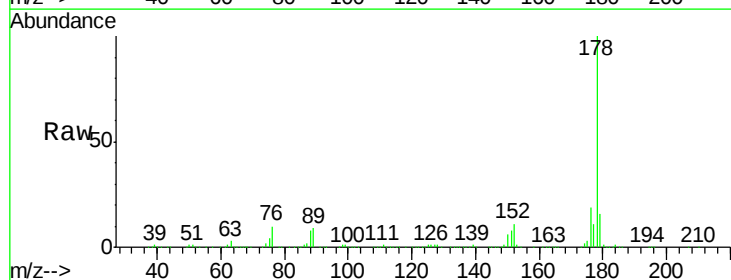
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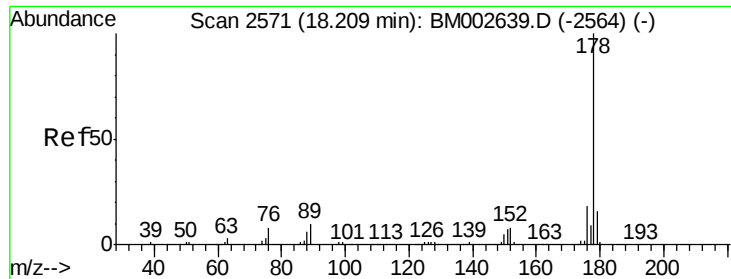
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#13
Phenanthrene
 Concen: 147.60 ng/ul
 RT: 18.13 min Scan# 2557
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	19.3	15.1	22.7





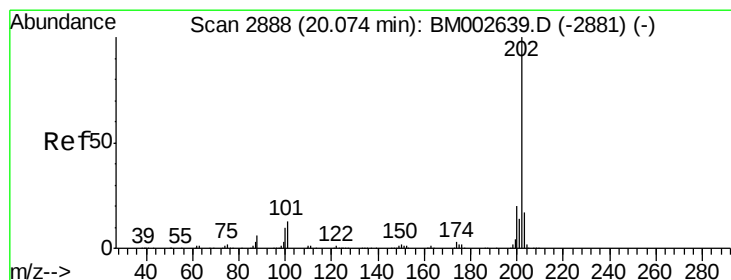
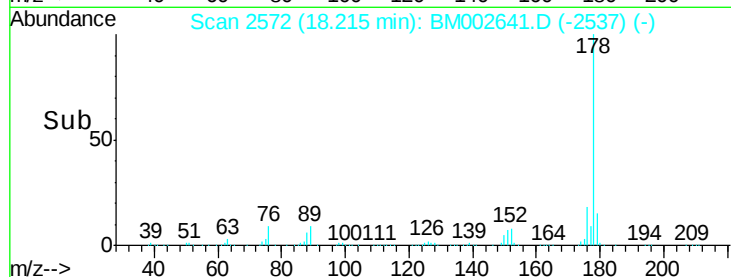
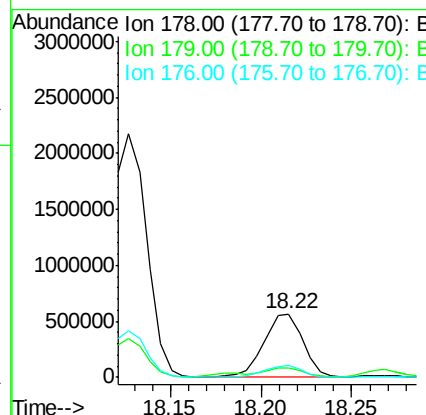
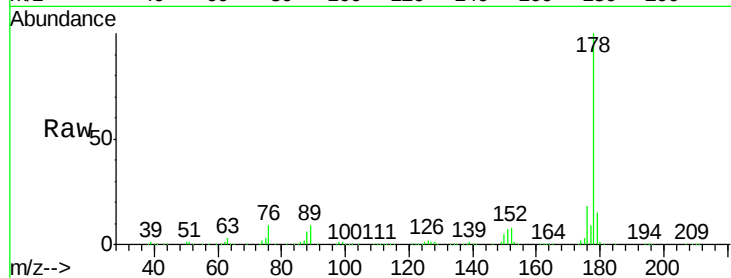
#15
 Anthracene
 Concen: 38.94 ng/ul
 RT: 18.22 min Scan# 2572
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	18.8
176	18.1	14.5	21.7

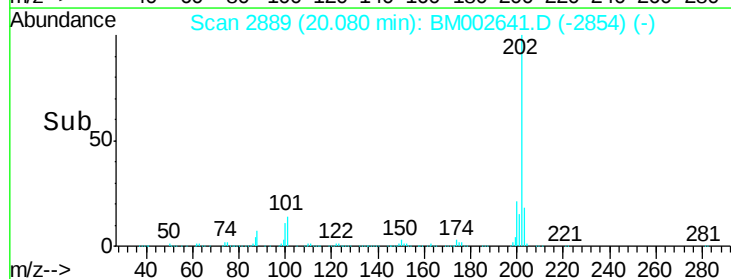
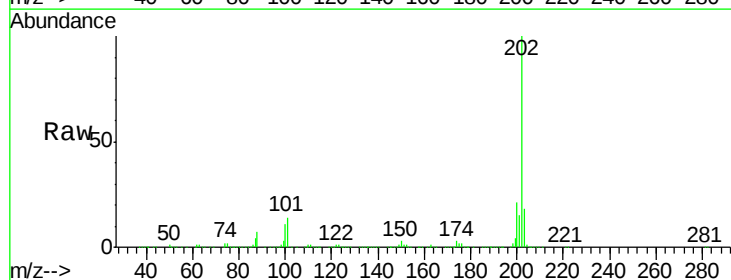
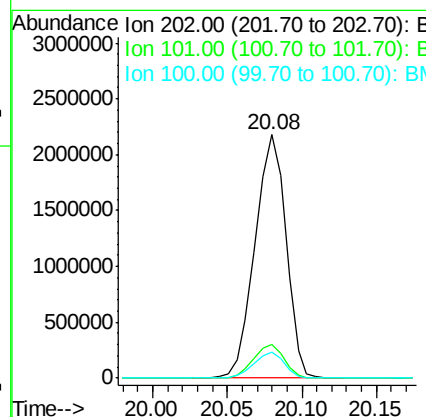
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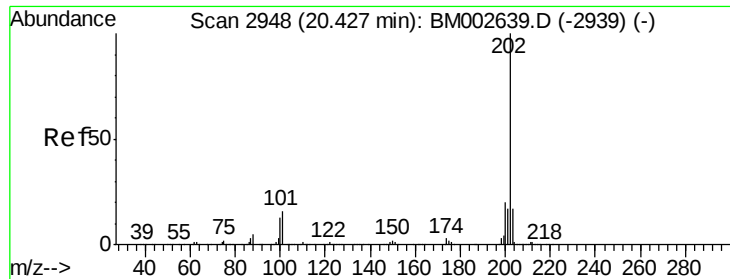
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#16
 Fluoranthene
 Concen: 125.69 ng/ul
 RT: 20.08 min Scan# 2889
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	9.7	14.5
100	10.6	7.4	11.2





#19

Pyrene

Concen: 131.48 ng/ul

RT: 20.43 min Scan# 2949

Delta R.T. 0.01 min

Lab File: BM002641.D

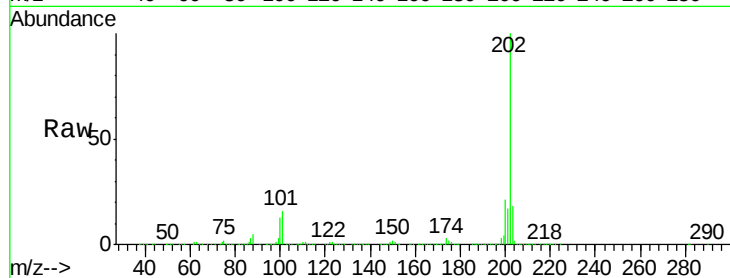
Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

D9EA6DL



Tgt Ion:202 Resp: 2236570

Ion Ratio Lower Upper

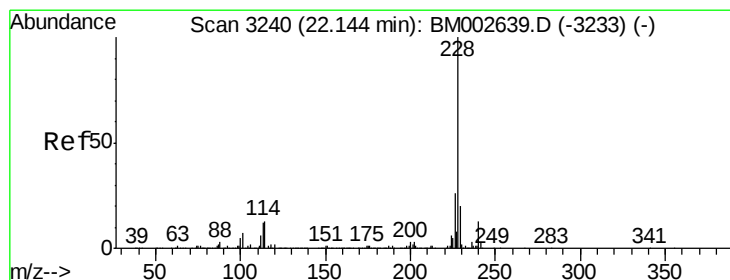
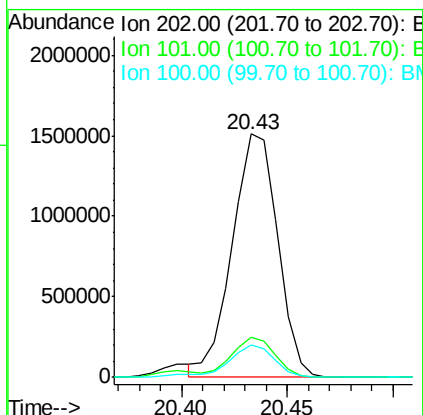
202 100

101 16.5 12.0 18.0

100 13.2 9.7 14.5

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#20

Benzo(a)anthracene

Concen: 70.82 ng/ul

RT: 22.15 min Scan# 3241

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

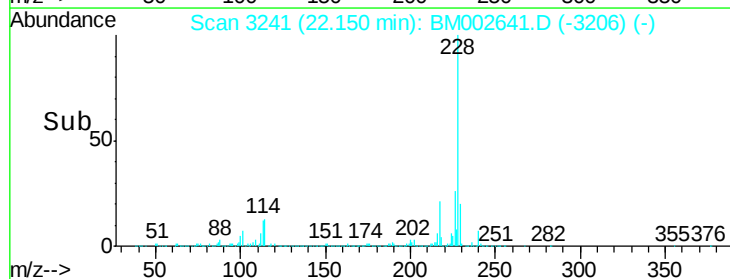
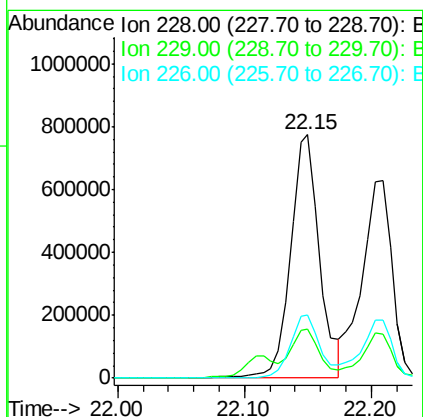
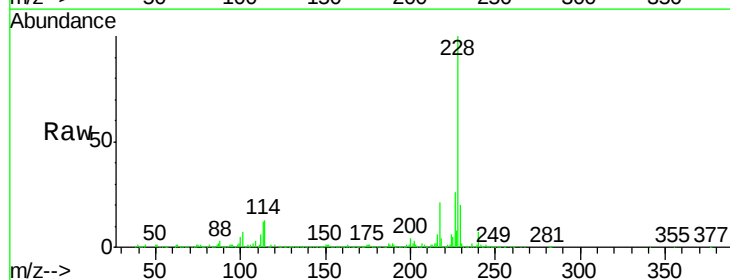
Tgt Ion:228 Resp: 1229625

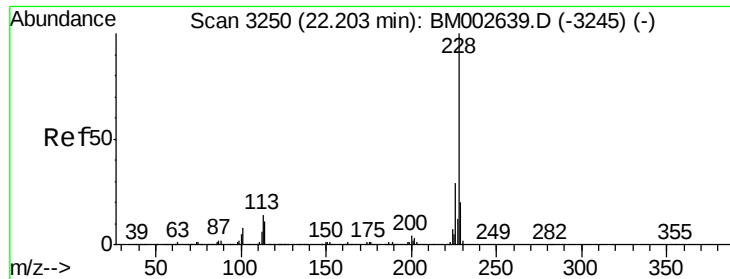
Ion Ratio Lower Upper

228 100

229 20.1 15.8 23.6

226 26.1 21.1 31.7





#21

Chrysene

Concen: 63.71 ng/ul

RT: 22.21 min Scan# 3251

Delta R.T. 0.01 min

Lab File: BM002641.D

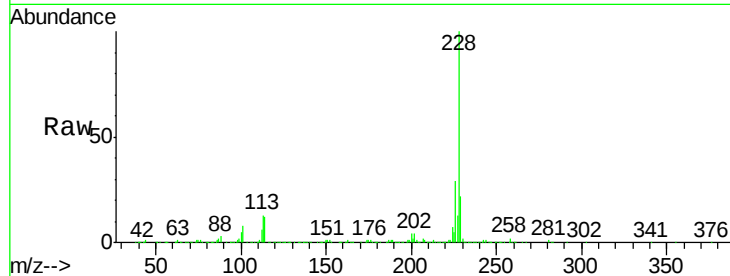
Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

ClientSampleId :

D9EA6DL

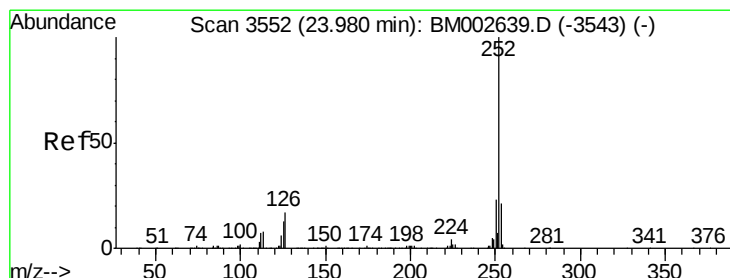
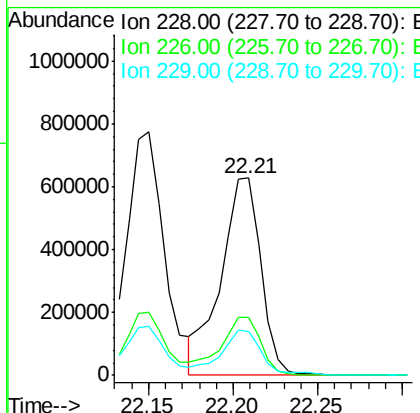
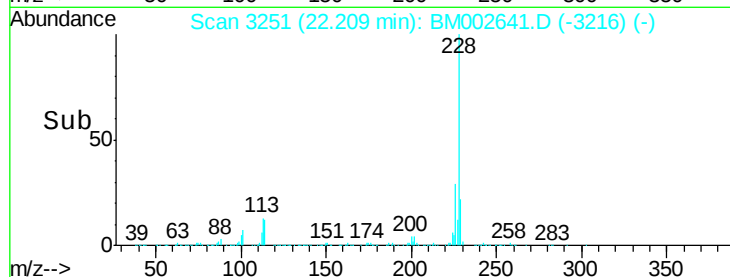


Tgt Ion: 228 Resp: 1034656

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	22.3	15.7	23.5

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#23

Benzo(b)fluoranthene

Concen: 77.69 ng/ul

RT: 23.99 min Scan# 3553

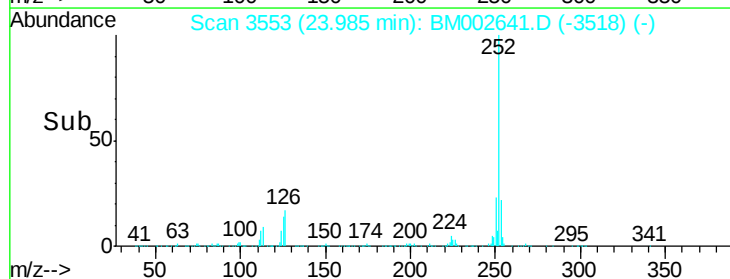
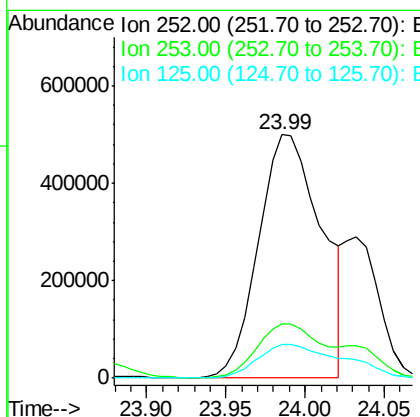
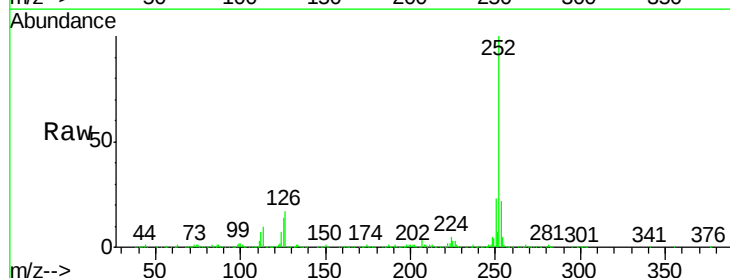
Delta R.T. 0.01 min

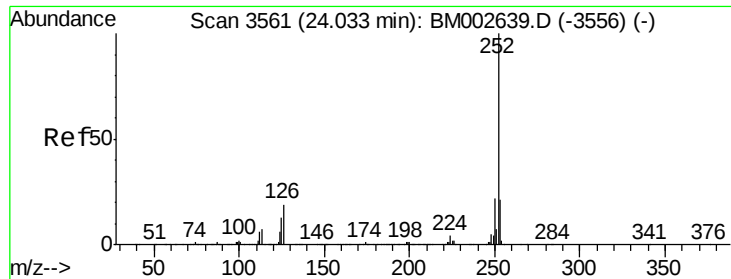
Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Tgt Ion: 252 Resp: 1382018

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	14.0	10.0	15.0





#24

Benzo(k)fluoranthene

Concen: 26.16 ng/ul m

RT: 24.03 min Scan# 3561

Delta R.T. -0.00 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Instrument :

BNA_M

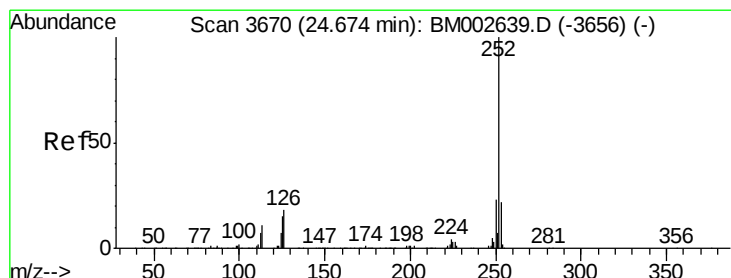
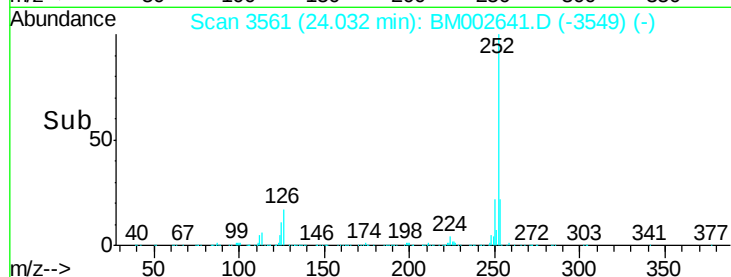
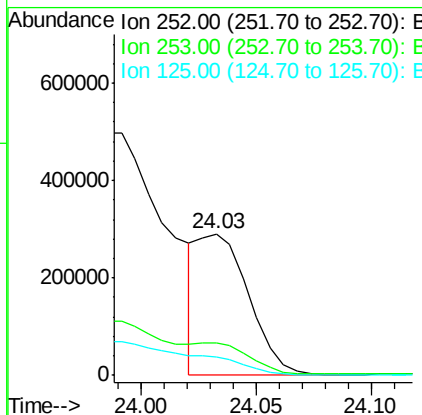
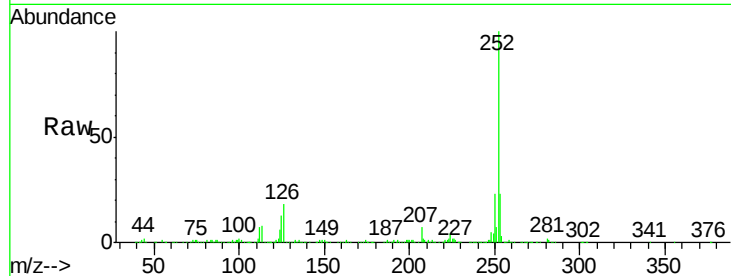
ClientSampleId :

D9EA6DL

Tgt Ion:	252	Resp:	441031
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	13.2	9.8	14.8

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#26

Benzo(a)pyrene

Concen: 54.20 ng/ul

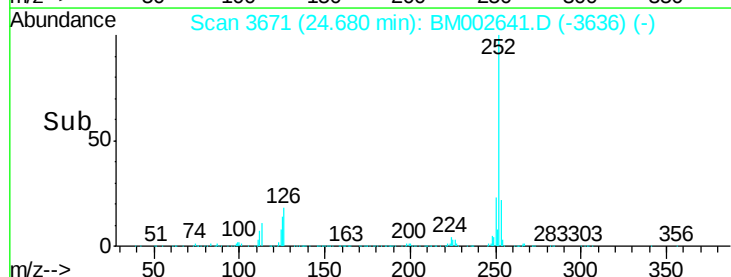
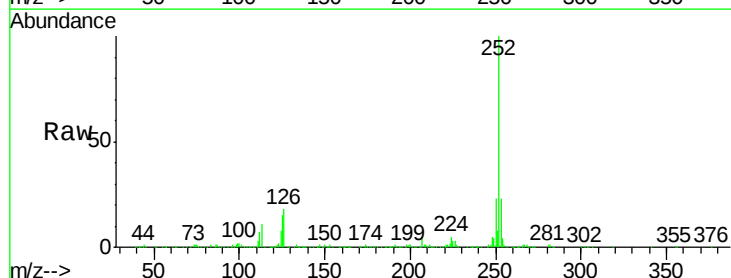
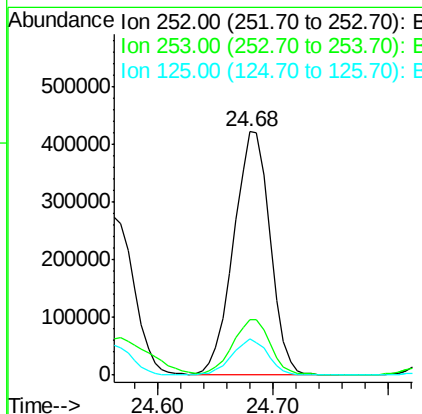
RT: 24.68 min Scan# 3671

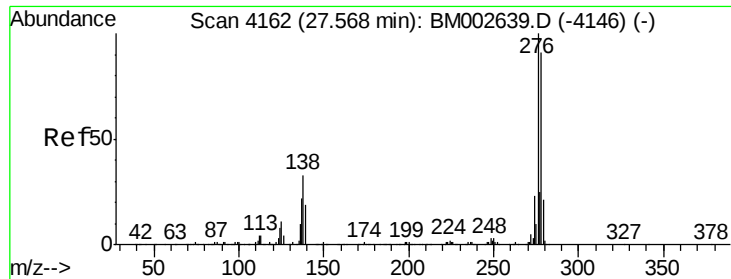
Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Tgt Ion:	252	Resp:	920968
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.6	26.4
125	14.7	10.7	16.1





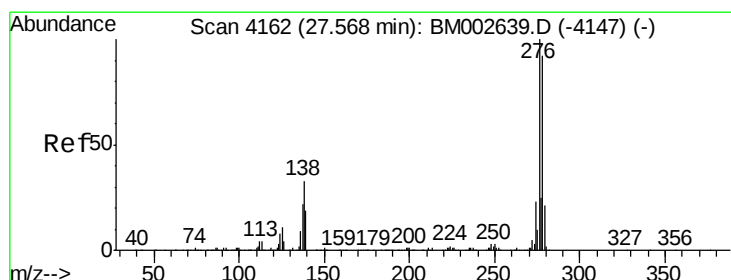
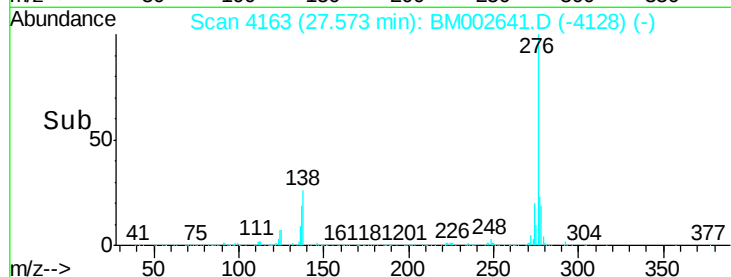
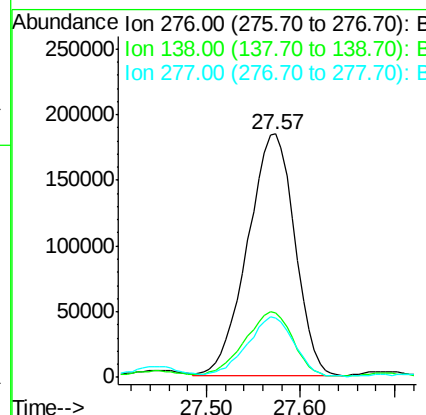
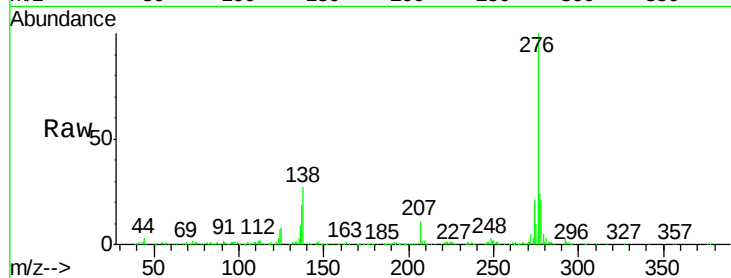
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 32.65 ng/ul
 RT: 27.57 min Scan# 4163
 Delta R.T. 0.01 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Instrument :
 BNA_M
 ClientSampleId :
 D9EA6DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	637994		
138	26.7	25.3	37.9	
277	24.2	20.2	30.2	

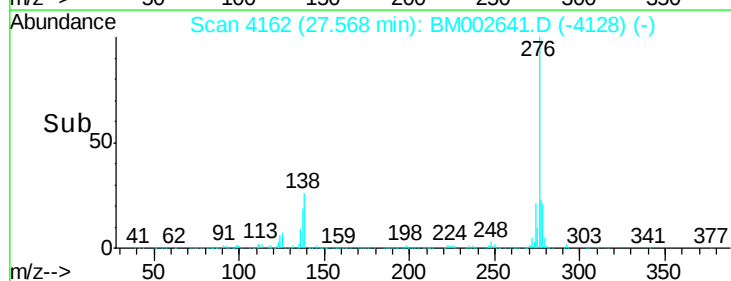
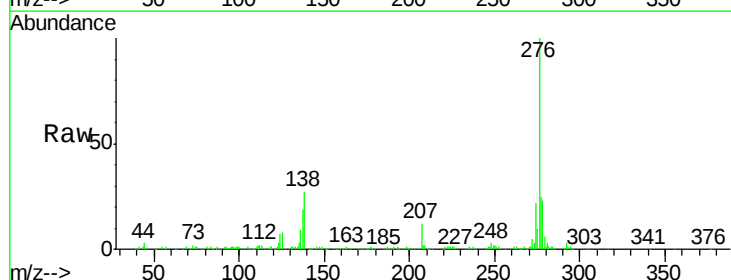
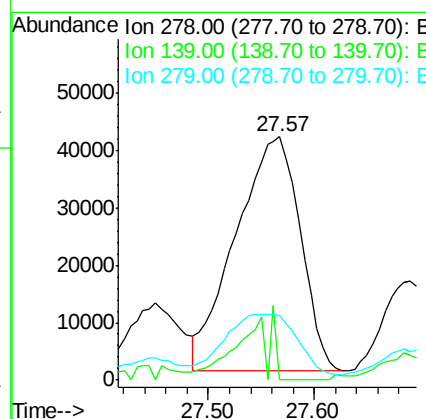
Manual Integrations
 APPROVED

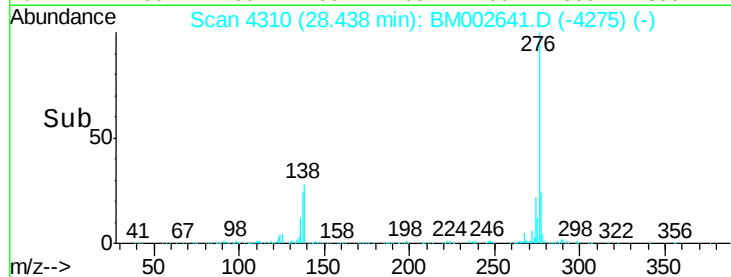
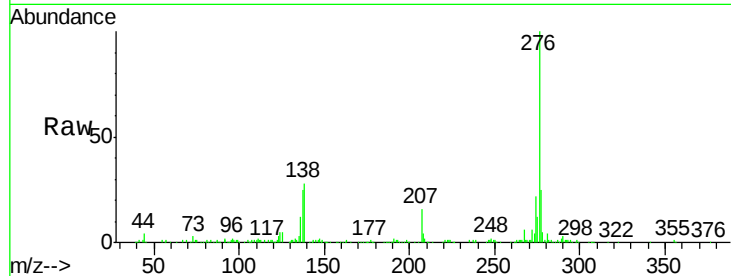
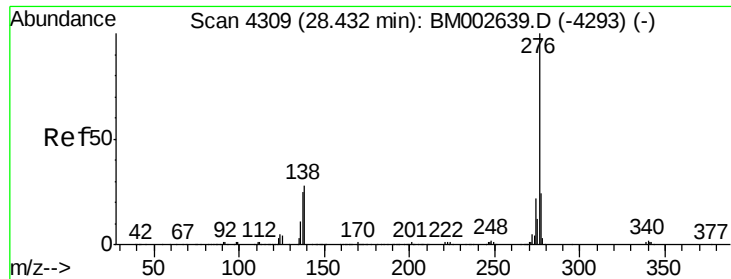
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#28
 Dibenzo(a,h)anthracene
 Concen: 10.59 ng/ul
 RT: 27.57 min Scan# 4162
 Delta R.T. -0.00 min
 Lab File: BM002641.D
 Acq: 02 Sep 2015 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	172955		
139	0.0	16.5	24.7#	
279	26.4	18.8	28.2	





#29

Benzo(g,h,i)perylene

Concen: 31.32 ng/ul

RT: 28.44 min Scan# 4310

Delta R.T. 0.01 min

Lab File: BM002641.D

Acq: 02 Sep 2015 13:05

Tgt	Ion	276	Resp:	509440
	Ratio	100	Lower	Upper
138	28.1	21.0	31.6	
277	25.0	19.2	28.8	

Instrument :

BNA_M

ClientSampleId :

D9EA6DL

Manual Integrations
APPROVED

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