

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002349.D
 Acq On : 12 Aug 2015 07:20
 Operator : UM/IZ
 Sample : G3162-19MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C84MSD

Manual Integrations
 APPROVED

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 8/12/2015 2:36:06 PM

Quant Time: Aug 12 07:58:00 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 12 04:50:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	237147	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1088119	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	542842	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	981179	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	682507	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	662271	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.19	160	972801	17.30	ng/ul	0.00
10) Fluorene-d10	16.45	176	618467	15.81	ng/ul	0.00
14) Anthracene-d10	18.29	188	789780	16.59	ng/ul	0.00
18) Pyrene-d10	20.51	212	615777	18.60	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	463367	13.18	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.82	128	101560	1.77	ng/ul	Ovalue 99
4) 2-Methylnaphthalene	13.36	142	60432	1.48	ng/ul	99
5) 1-Methylnaphthalene	13.58	142	48530	1.20	ng/ul	98
9) Acenaphthene	15.54	153	721926	18.38	ng/ul	99
11) Fluorene	16.51	166	90154	2.04	ng/ul	99
13) Phenanthrene	18.23	178	1333589	23.61	ng/ul	100
15) Anthracene	18.32	178	370540	6.35	ng/ul	99
16) Fluoranthene	20.18	202	1909213	30.53	ng/ul	100
19) Pyrene	20.54	202	2234627	50.64	ng/ul	98
20) Benzo(a)anthracene	22.26	228	1147615	27.55	ng/ul	98
21) Chrysene	22.32	228	1059290m	26.83	ng/ul	
23) Benzo(b)fluoranthene	24.14	252	1539830	37.41	ng/ul	98
24) Benzo(k)fluoranthene	24.19	252	493409m	12.48	ng/ul	
26) Benzo(a)pyrene	24.86	252	1062583	26.98	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.81	276	717077	15.88	ng/ul	95
28) Dibenzo(a,h)anthracene	27.82	278	234336	6.13	ng/ul#	86
29) Benzo(g,h,i)perylene	28.71	276	633489	16.63	ng/ul	98

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

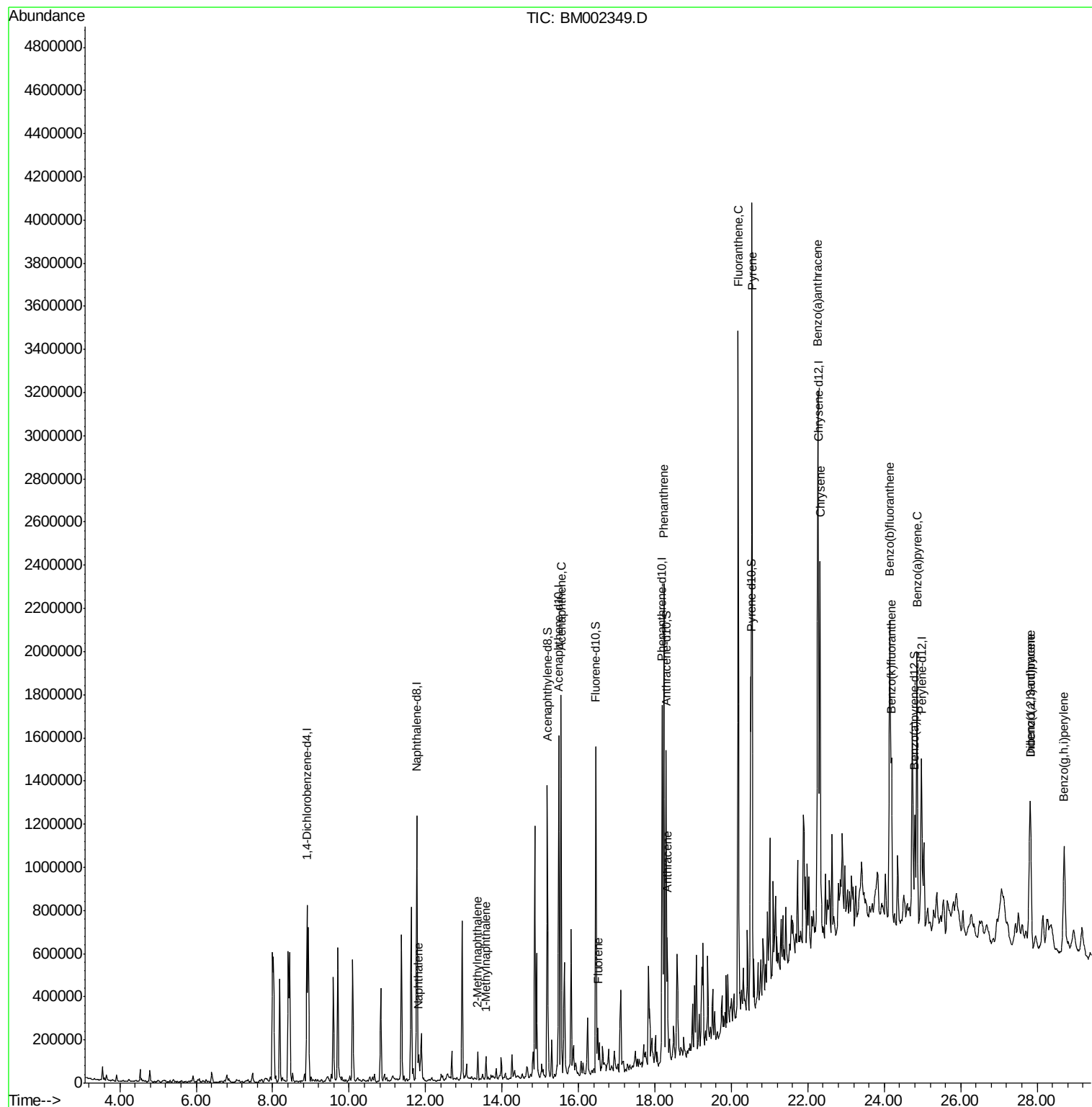
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
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Acq On : 12 Aug 2015 07:20
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Sample : G3162-19MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

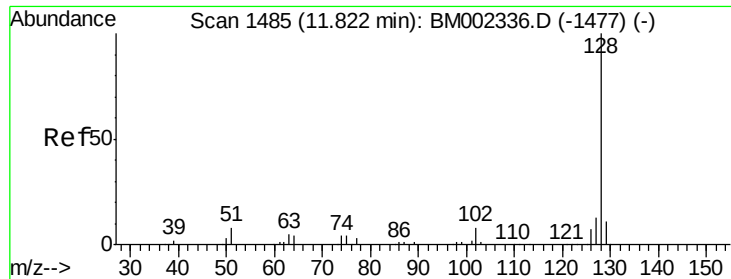
Instrument :
BNA_M
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D9C84MSD

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Quant Time: Aug 12 07:58:00 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 12 04:50:31 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.77 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

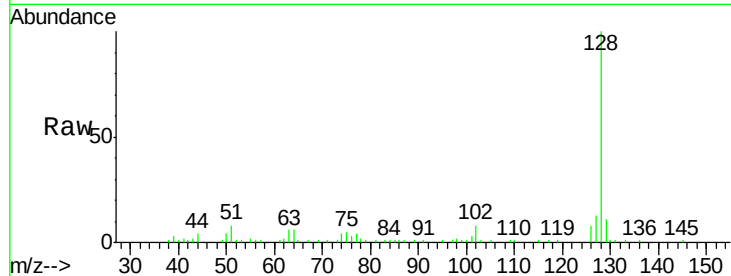
ClientSampleId :

D9C84MSD

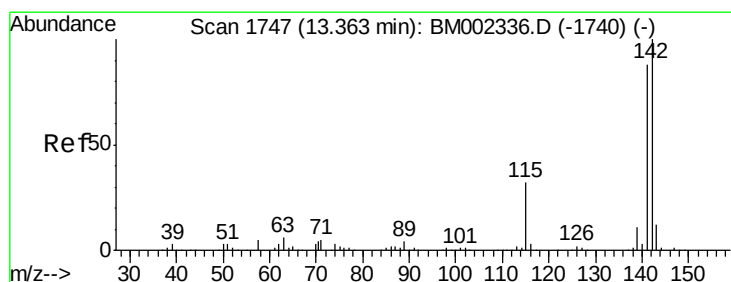
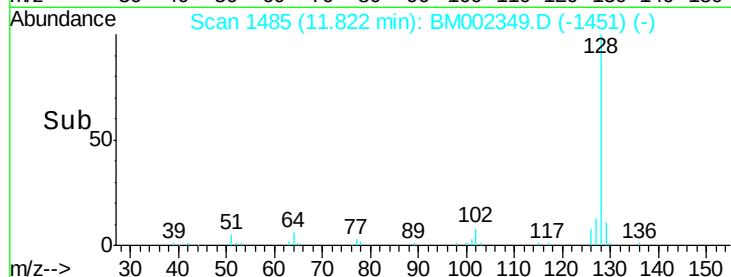
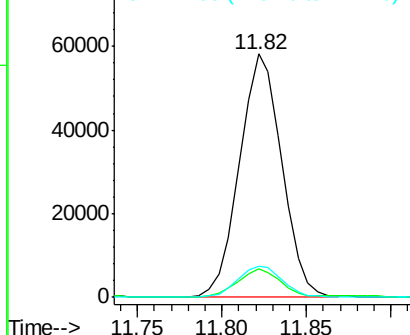
Tot Ion:128	Resp:	101560
Ion Ratio	Lower	Upper
128	100	
129	11.5	8.6 12.8
127	12.9	10.4 15.6

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#4

2-Methylnaphthalene

Concen: 1.48 ng/ul

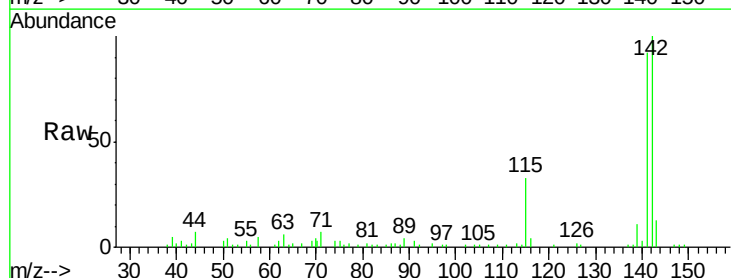
RT: 13.36 min Scan# 1747

Delta R.T. -0.00 min

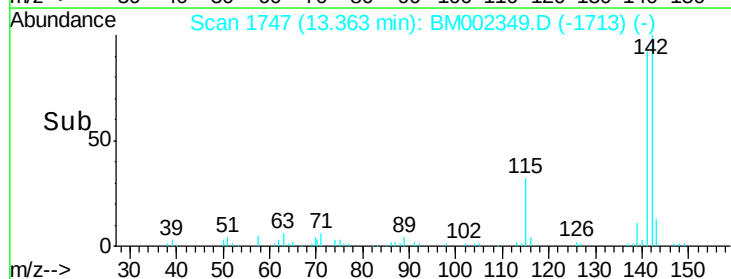
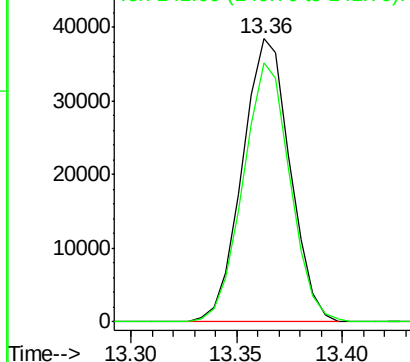
Lab File: BM002349.D

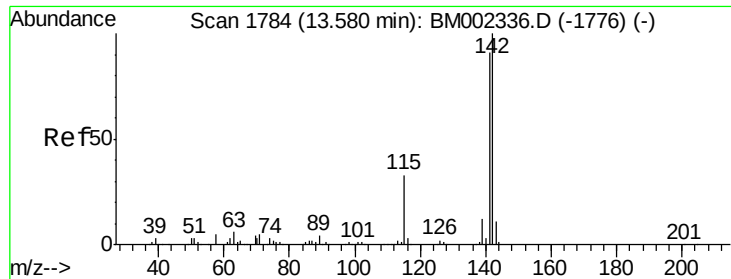
Acq: 12 Aug 2015 07:20

Tgt Ion:142	Resp:	60432
Ion Ratio	Lower	Upper
142	100	
141	91.5	72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 1.20 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

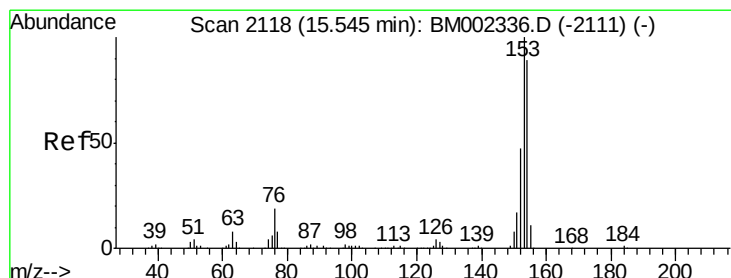
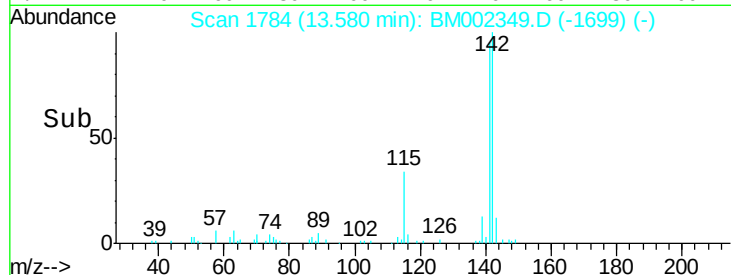
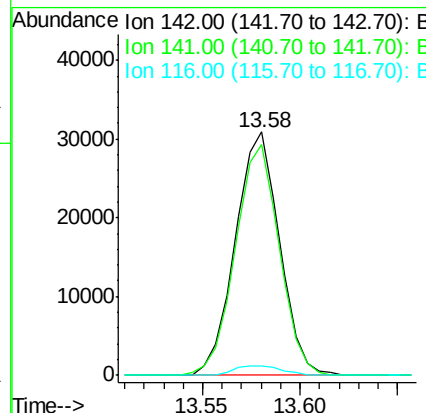
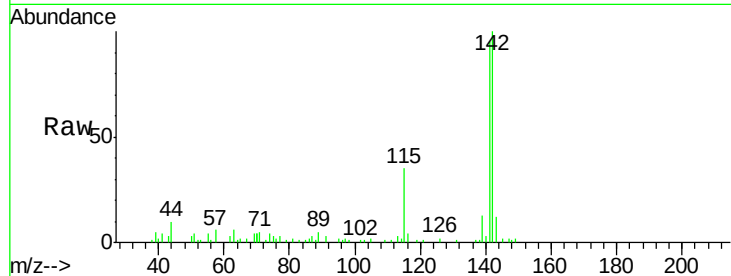
ClientSampleId :

D9C84MSD

Tot Ion:	142	Resp:	48530
Ion Ratio	Lower	Upper	
142	100		
141	94.9	74.5	111.7
116	3.7	3.0	4.4

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#9

Acenaphthene

Concen: 18.38 ng/ul

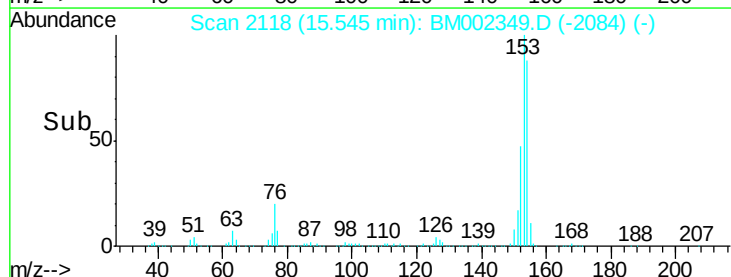
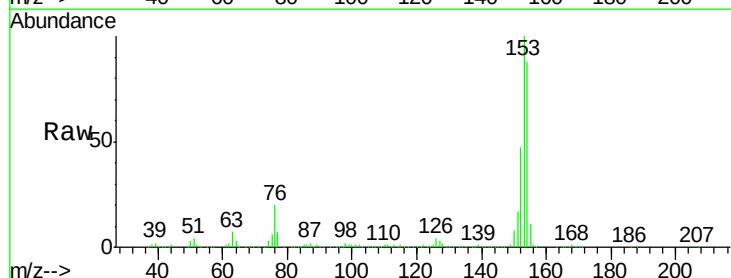
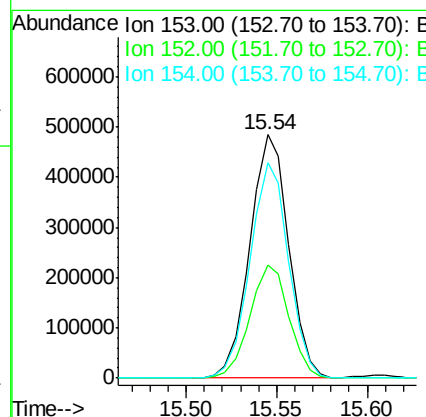
RT: 15.54 min Scan# 2118

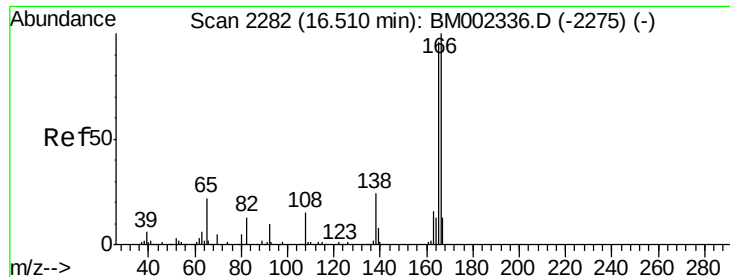
Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Tgt Ion:	153	Resp:	721926
Ion Ratio	Lower	Upper	
153	100		
152	46.5	36.6	55.0
154	88.3	71.5	107.3





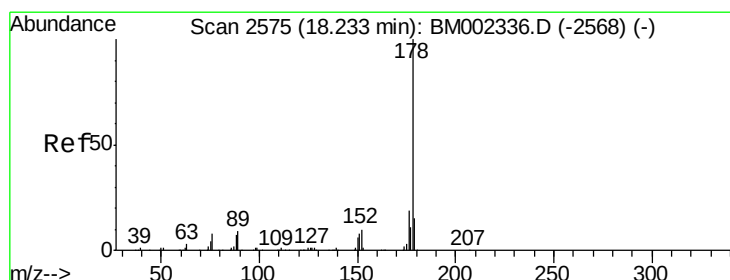
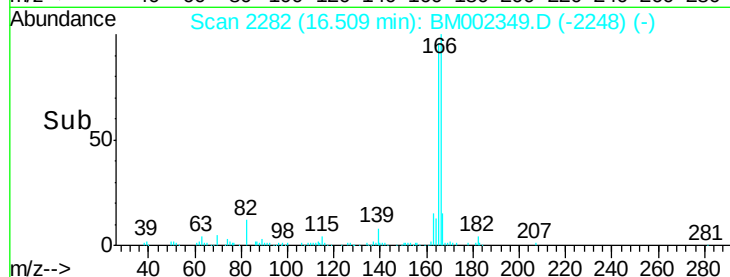
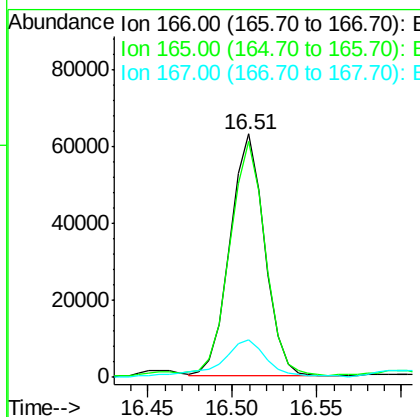
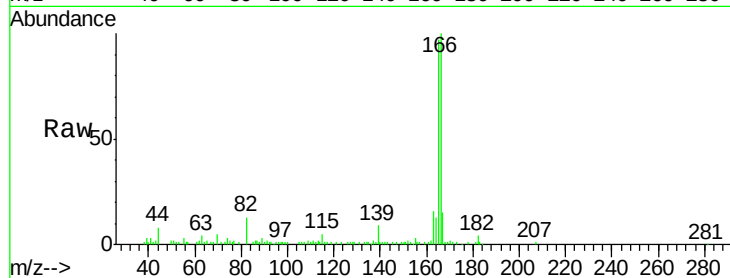
#11
 Fluorene
 Concen: 2.04 ng/ul
 RT: 16.51 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BM002349.D
 Acq: 12 Aug 2015 07:20

Instrument :
 BNA_M
 ClientSampleId :
 D9C84MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.5	116.3
167	15.3	10.4	15.6

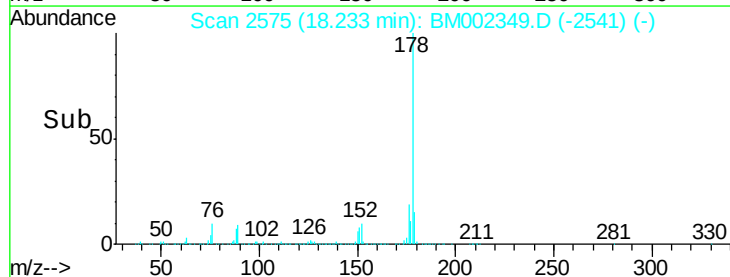
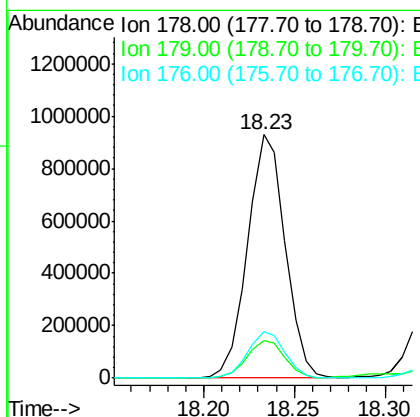
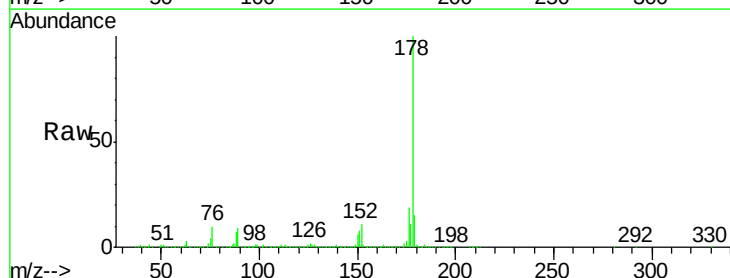
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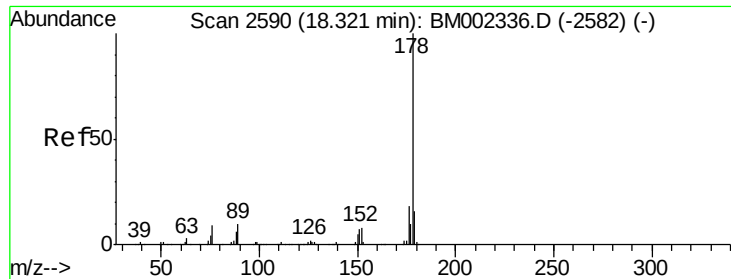
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#13
 Phenanthrene
 Concen: 23.61 ng/ul
 RT: 18.23 min Scan# 2575
 Delta R.T. -0.00 min
 Lab File: BM002349.D
 Acq: 12 Aug 2015 07:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.0	15.3	22.9





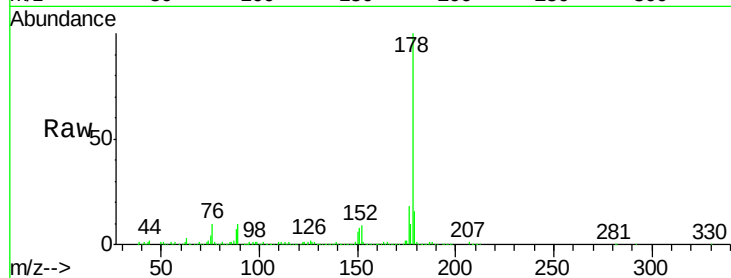
#15
 Anthracene
 Concen: 6.35 ng/ul
 RT: 18.32 min Scan# 2590
 Delta R.T. -0.00 min
 Lab File: BM002349.D
 Acq: 12 Aug 2015 07:20

Instrument :
 BNA_M
 ClientSampleId :
 D9C84MSD

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.4	14.5	21.7

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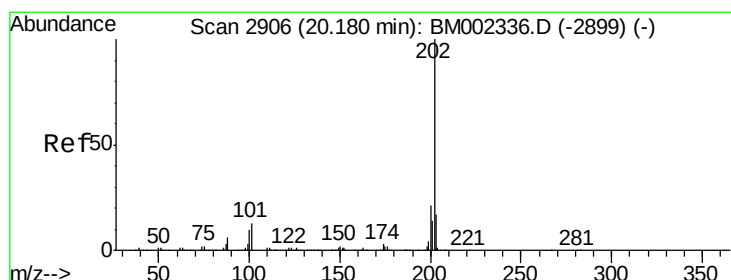
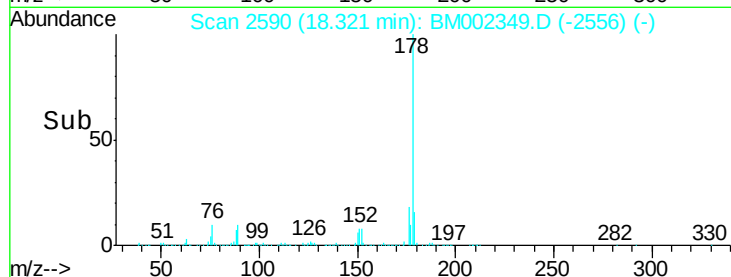
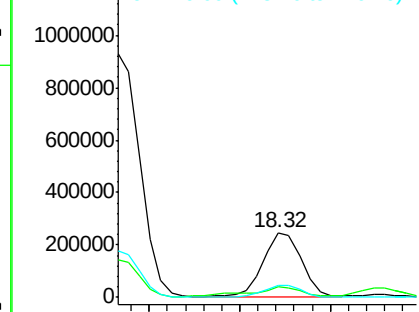


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#16
 Fluoranthene
 Concen: 30.53 ng/ul
 RT: 20.18 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: BM002349.D
 Acq: 12 Aug 2015 07:20

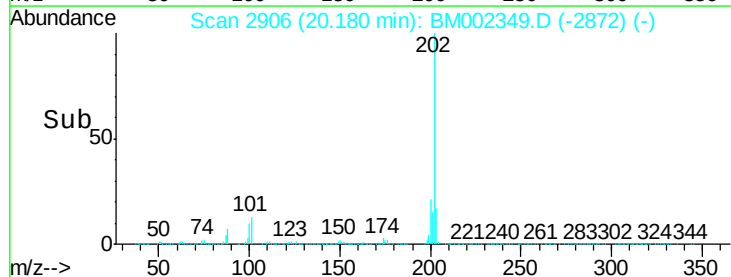
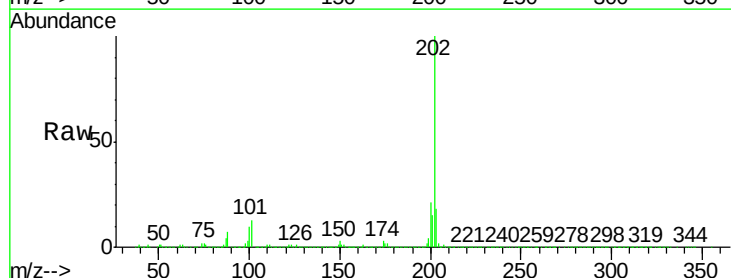
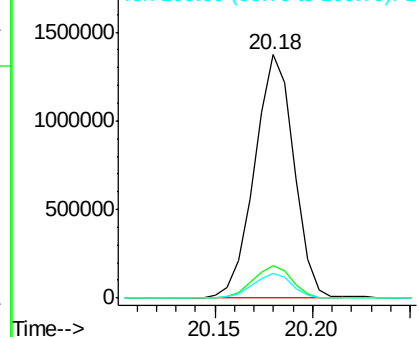
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.6	15.8
100	10.4	8.2	12.4

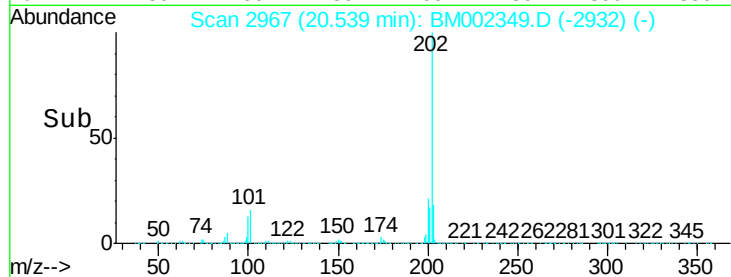
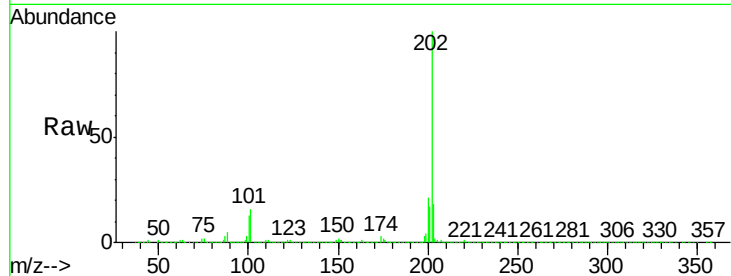
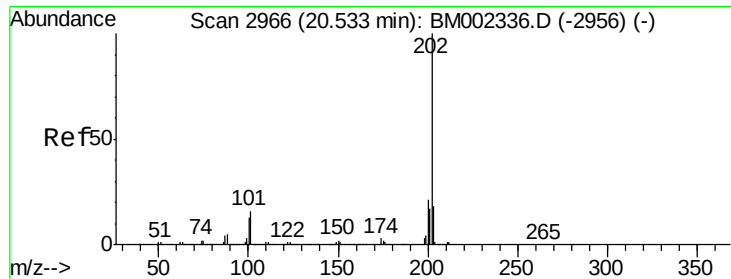
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





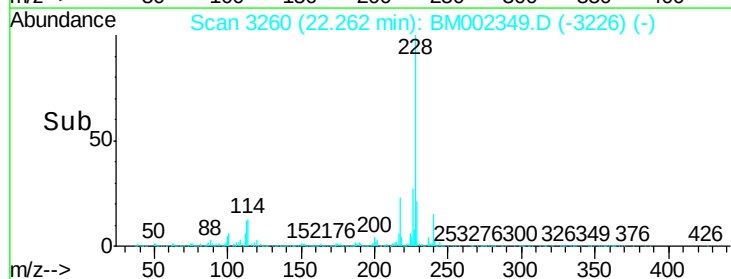
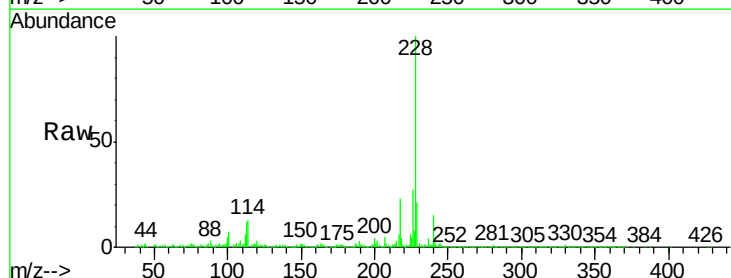
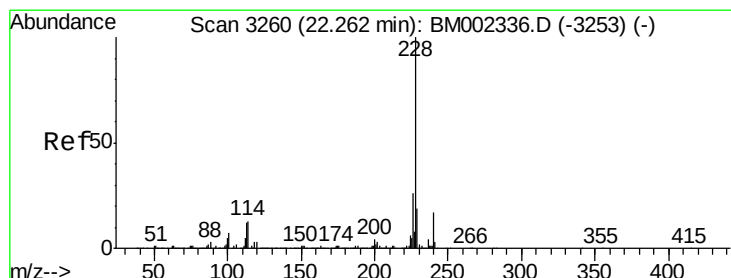
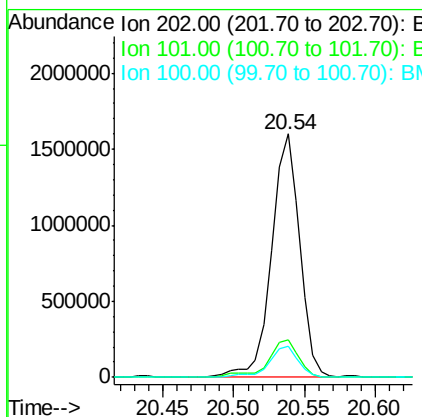
#19
Pvrene
Concen: 50.64 ng/ul
RT: 20.54 min Scan# 2967
Delta R.T. 0.01 min
Lab File: BM002349.D
Acq: 12 Aug 2015 07:20

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.7	13.0	19.6
100	12.7	11.0	16.4

Instrument :
BNA_M
ClientSampleId :
D9C84MSD

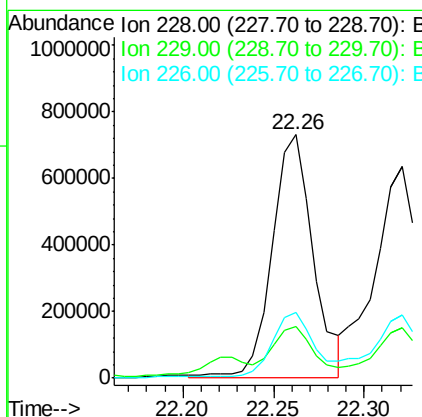
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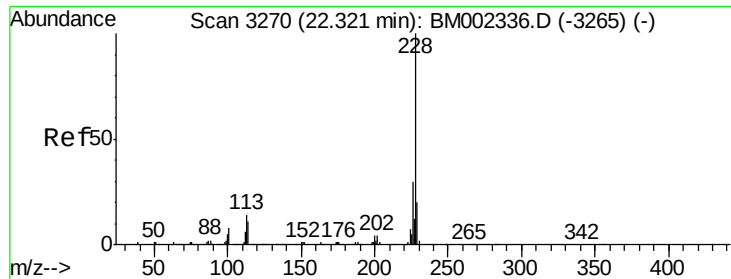
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#20
Benzo(a)anthracene
Concen: 27.55 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.00 min
Lab File: BM002349.D
Acq: 12 Aug 2015 07:20

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.7	23.5
226	27.1	21.4	32.0





#21

Chrysene

Concen: 26.83 ng/ul m

RT: 22.32 min Scan# 3270

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

ClientSampleId :

D9C84MSD

Tot Ion:228 Resp: 1059290

Ion Ratio Lower Upper

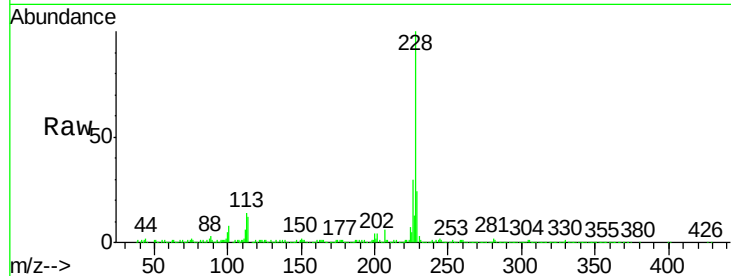
228 100

226 29.8 23.4 35.0

229 23.6 15.5 23.3#

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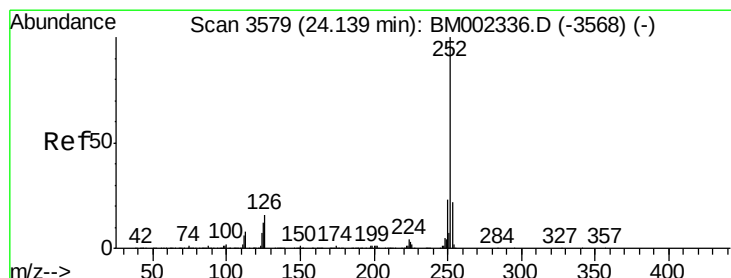
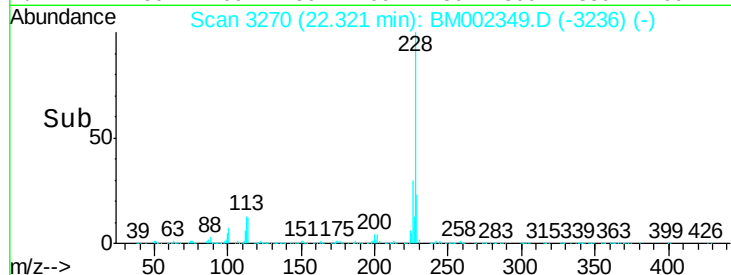
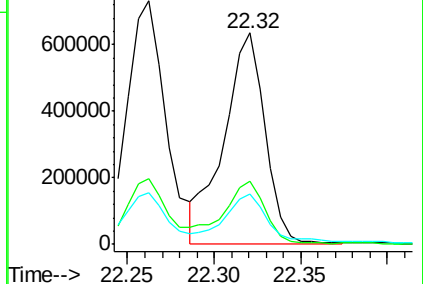
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#23

Benzo(b)fluoranthene

Concen: 37.41 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. 0.01 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

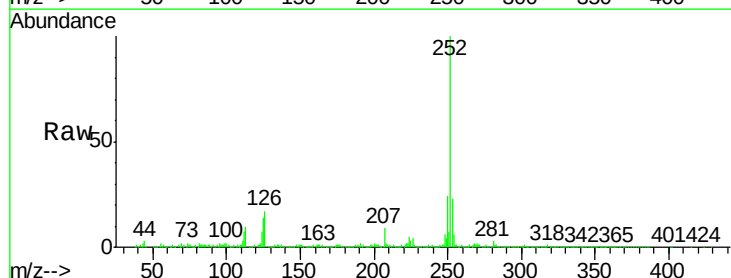
Tgt Ion:252 Resp: 1539830

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

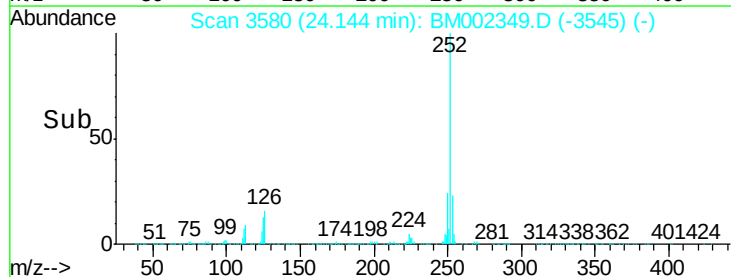
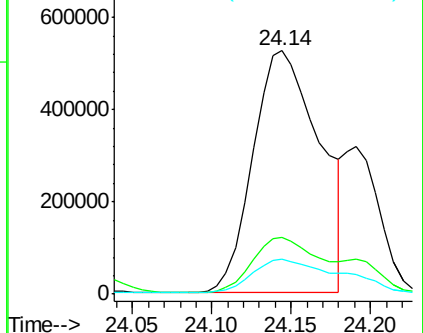
125 14.1 10.3 15.5

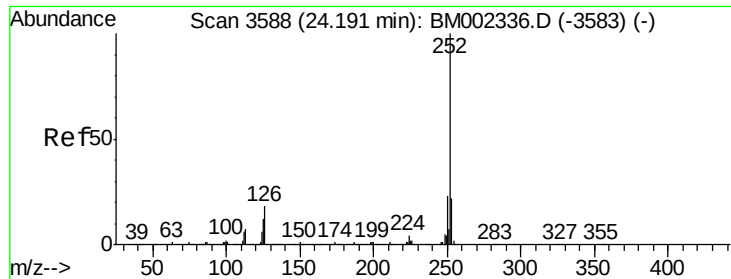


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 12.48 ng/ul m

RT: 24.19 min Scan# 3588

Delta R.T. -0.00 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Instrument :

BNA_M

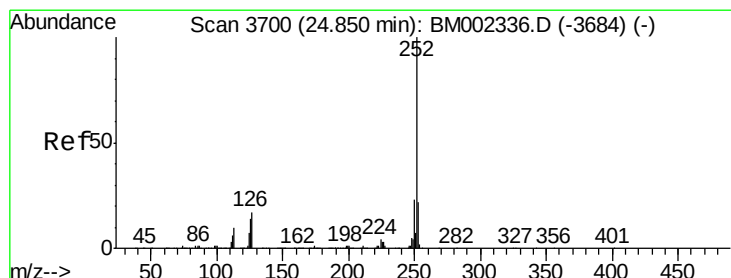
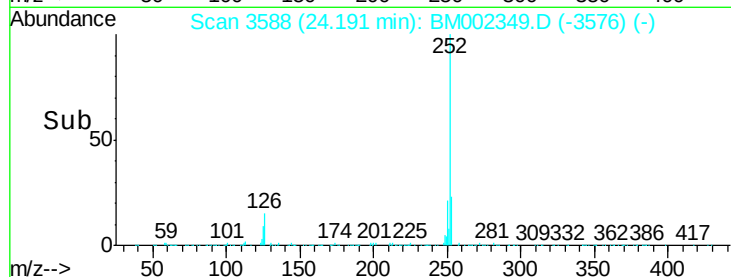
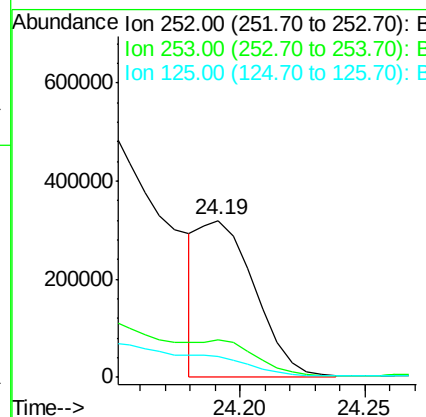
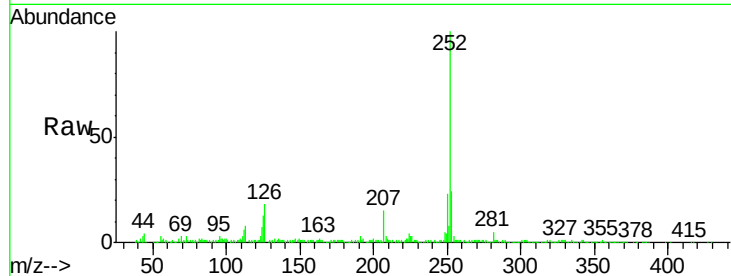
ClientSampleId :

D9C84MSD

Tot Ion:	252	Resp:	493409
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.3	25.9
125	13.4	10.2	15.4

Manual Integrations
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#26

Benzo(a)pyrene

Concen: 26.98 ng/ul

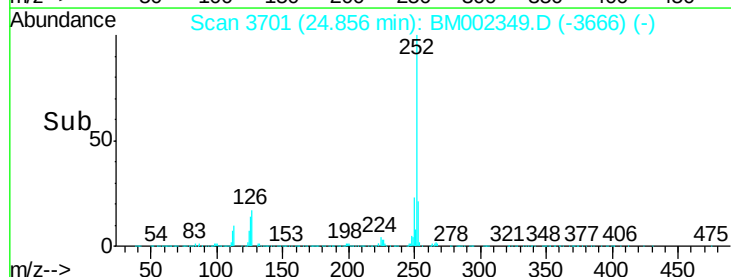
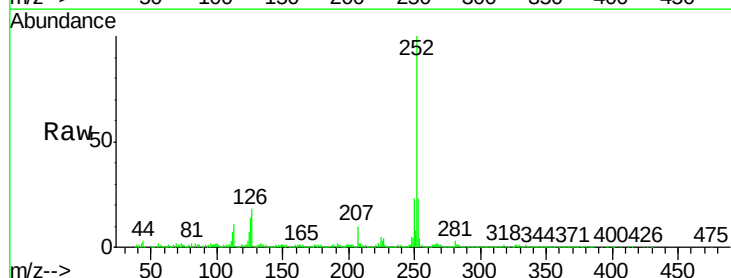
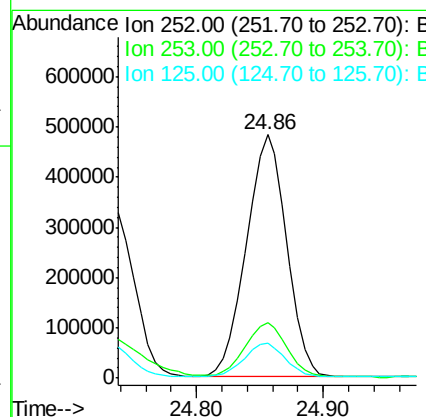
RT: 24.86 min Scan# 3701

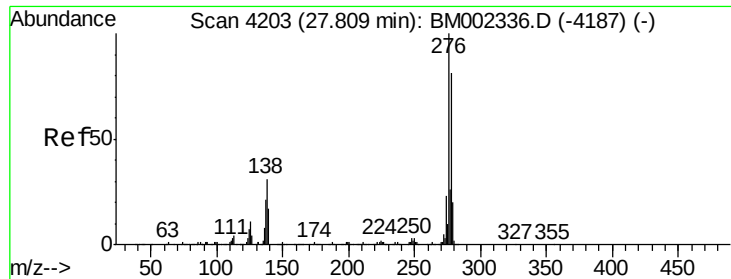
Delta R.T. 0.01 min

Lab File: BM002349.D

Acq: 12 Aug 2015 07:20

Tgt Ion:	252	Resp:	1062583
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	14.2	11.0	16.6





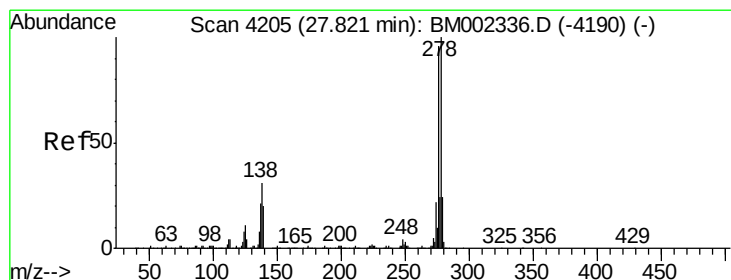
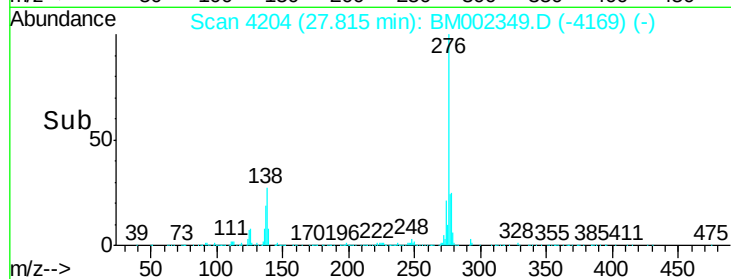
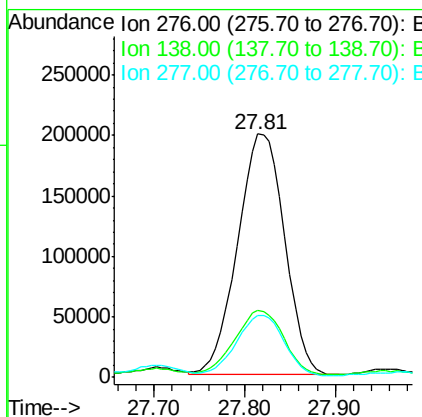
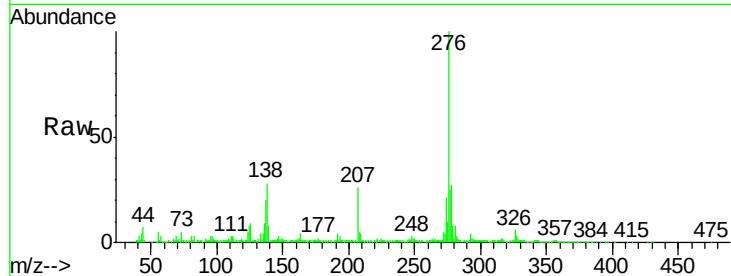
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 15.88 ng/ul
 RT: 27.81 min Scan# 4204
 Delta R.T. 0.01 min
 Lab File: BM002349.D
 Acq: 12 Aug 2015 07:20

Instrument :
 BNA_M
 ClientSampleID :
 D9C84MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.6	38.4
277	25.2	21.0	31.4

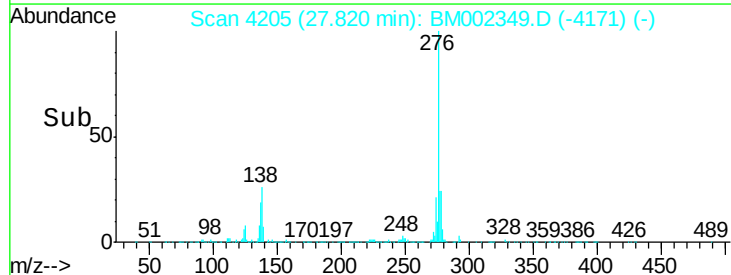
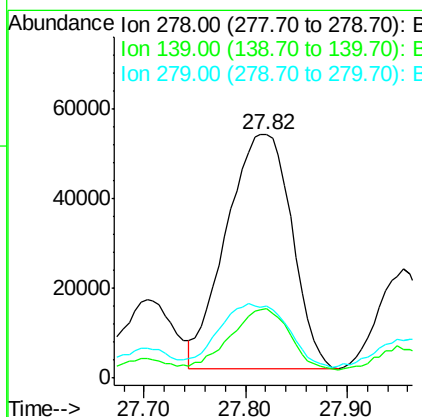
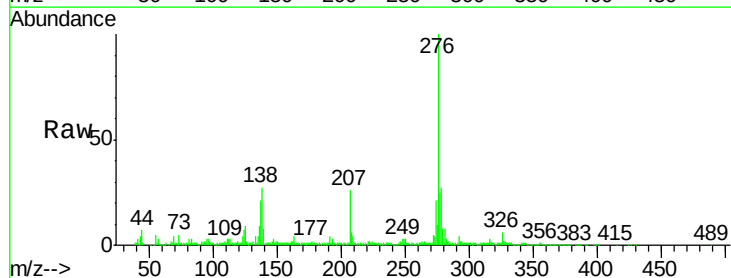
Manual Integrations
 APPROVED

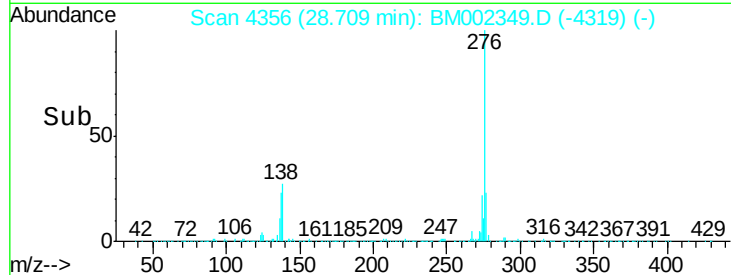
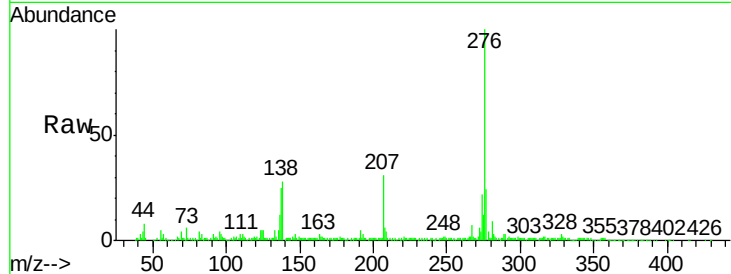
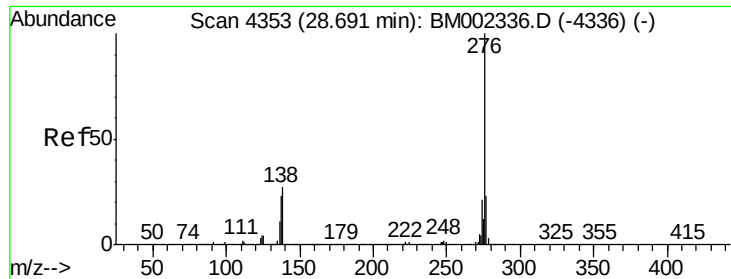
MMDadoda
 8/12/2015 2:36:06 PM



#28
 Dibenzo(a,h)anthracene
 Concen: 6.13 ng/ul
 RT: 27.82 min Scan# 4205
 Delta R.T. -0.00 min
 Lab File: BM002349.D
 Acq: 12 Aug 2015 07:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.4	24.6#
279	29.5	18.8	28.2#





#29
Benzo(a,h,i)perylene
Concen: 16.63 ng/ul
RT: 28.71 min Scan# 4356
Delta R.T. 0.02 min
Lab File: BM002349.D
Acq: 12 Aug 2015 07:20

Tot Ion:	276	Resp:	633489
Ion Ratio	Lower	Upper	
276	100		
138	27.7	20.5	30.7
277	23.8	19.0	28.6

Instrument :
BNA_M
ClientSampleId :
D9C84MSD

Manual Integrations
APPROVED

MMDadoda
8/12/2015 2:36:06 PM

