

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
 Data File : BM002342.D
 Acq On : 12 Aug 2015 03:07
 Operator : UM/IZ
 Sample : G3162-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9C81

Manual Integrations
 APPROVED

MMDadoda
 8/12/2015 2:35:41 PM

Quant Time: Aug 12 05:07:48 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	220804	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	1027063	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.48	164	539757	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.19	188	1078292	20.00	ng/ul	0.00
17) Chrysene-d12	22.27	240	804080	20.00	ng/ul	0.00
22) Perylene-d12	24.97	264	653422	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	1315076	23.52	ng/ul	0.00
10) Fluorene-d10	16.45	176	878067	22.58	ng/ul	0.00
14) Anthracene-d10	18.29	188	1223314	23.38	ng/ul	0.00
18) Pyrene-d10	20.50	212	1103112	28.29	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.79	264	741963	21.39	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.23	178	321162	5.17	ng/ul	99
16) Fluoranthene	20.17	202	481375	7.01	ng/ul	99
19) Pyrene	20.53	202	391726	7.54	ng/ul	97
20) Benzo(a)anthracene	22.26	228	156573	3.19	ng/ul	96
21) Chrysene	22.32	228	169582m	3.65	ng/ul	
23) Benzo(b)fluoranthene	24.13	252	197377	4.86	ng/ul#	97
24) Benzo(k)fluoranthene	24.19	252	67846m	1.74	ng/ul	
26) Benzo(a)pyrene	24.84	252	127014	3.27	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	27.80	276	95499	2.14	ng/ul	96
29) Benzo(g,h,i)perylene	28.69	276	90742m	2.41	ng/ul	

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

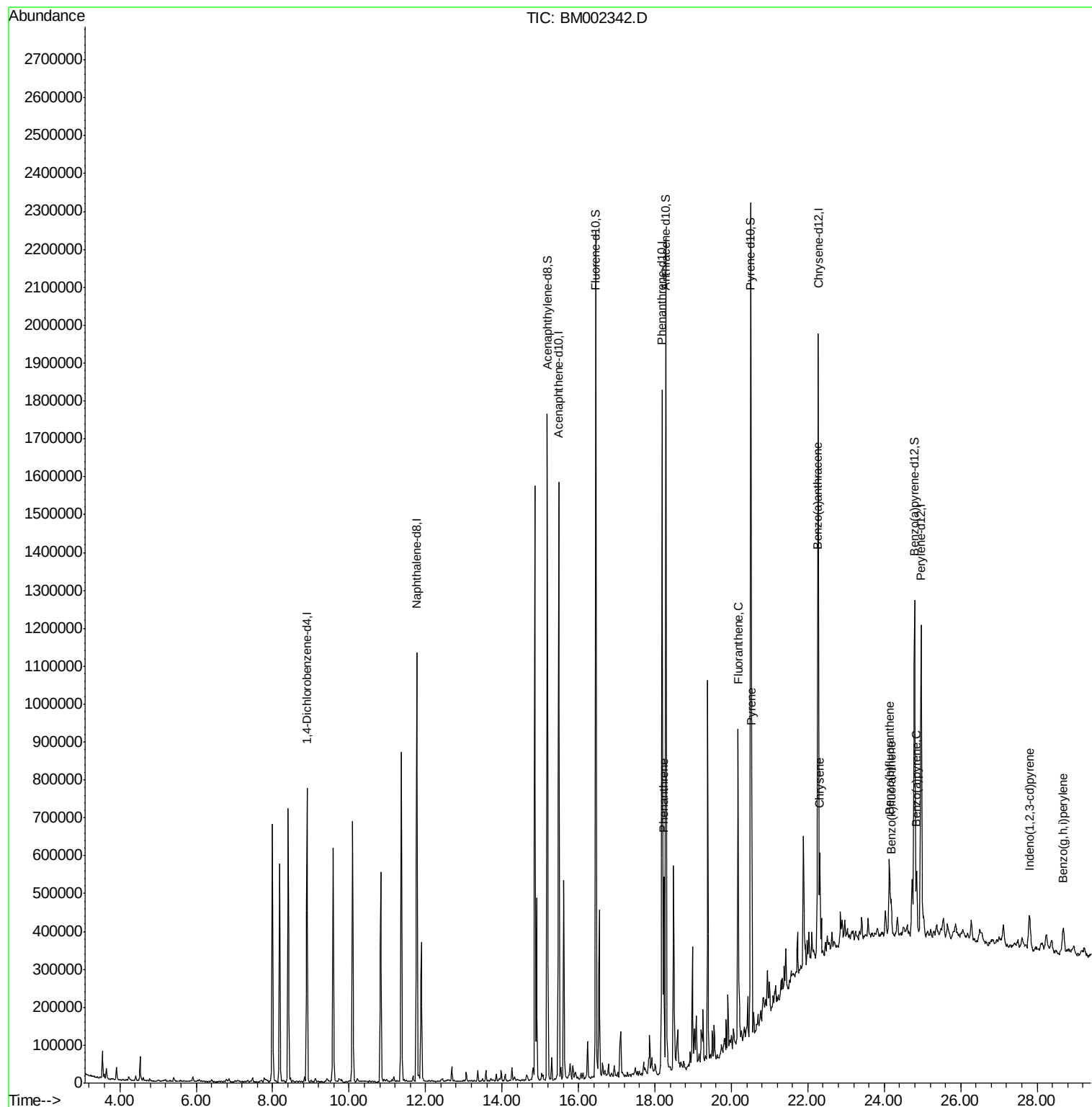
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\
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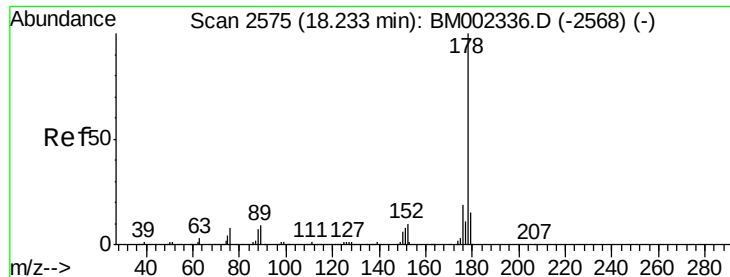
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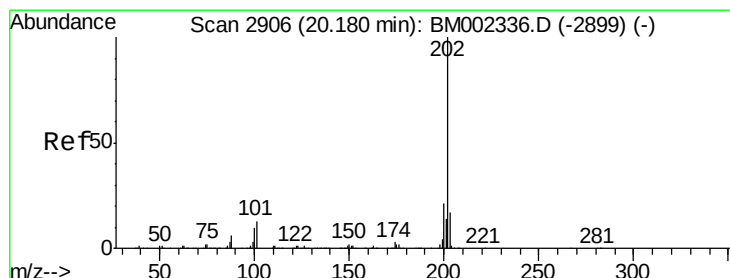
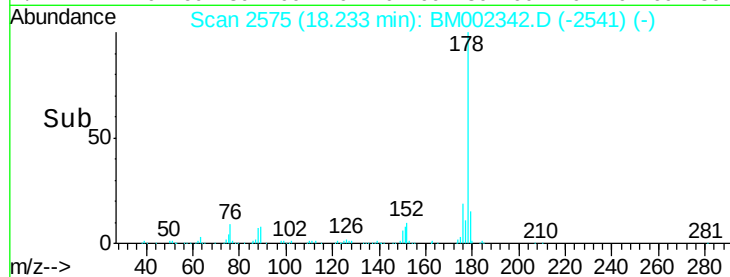
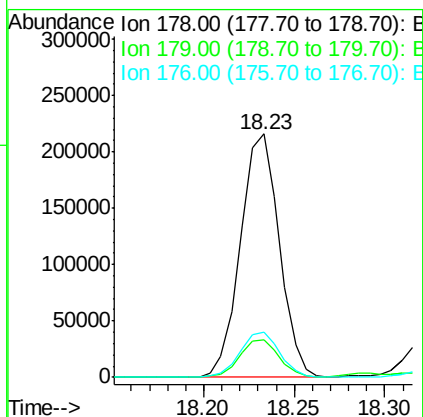
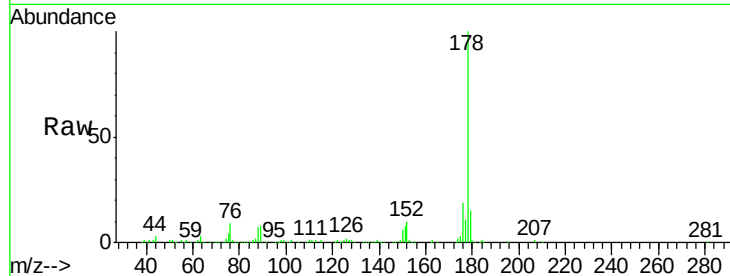
#13
Phenanthrene
Concen: 5.17 ng/ul
RT: 18.23 min Scan# 2575
Delta R.T. -0.00 min
Lab File: BM002342.D
Acq: 12 Aug 2015 03:07

Instrument :
BNA_M
ClientSampleId :
D9C81

Tot Ion:	178	Resp:	321162
Ion Ratio	Lower	Upper	
178	100		
179	15.4	12.3	18.5
176	18.6	15.3	22.9

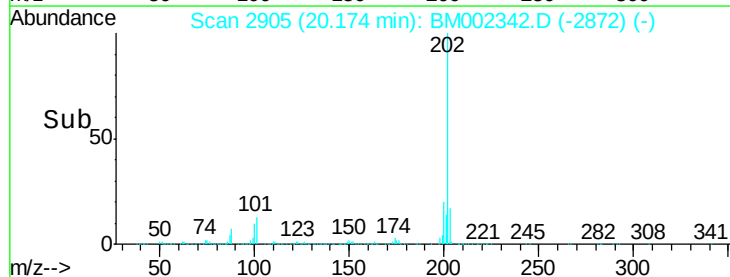
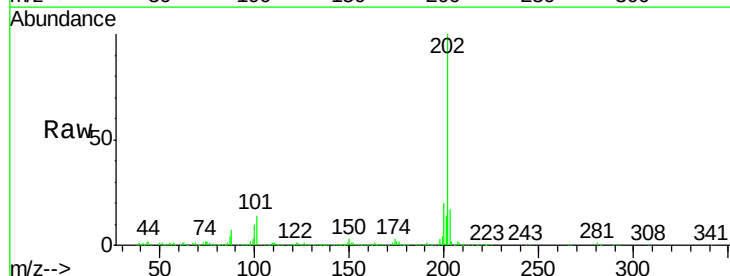
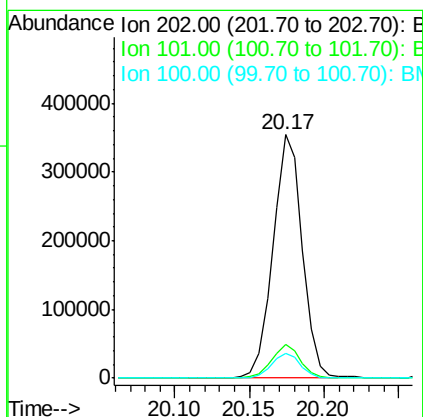
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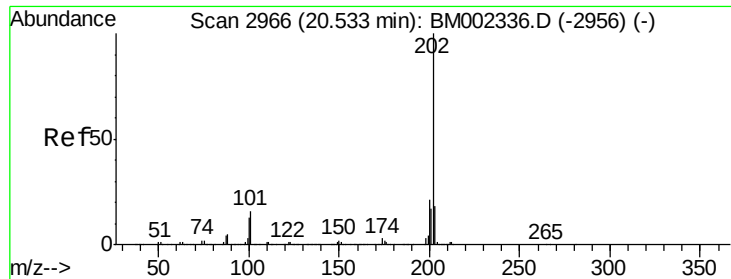
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#16
Fluoranthene
Concen: 7.01 ng/ul
RT: 20.17 min Scan# 2905
Delta R.T. -0.01 min
Lab File: BM002342.D
Acq: 12 Aug 2015 03:07

Tgt Ion:	202	Resp:	481375
Ion Ratio	Lower	Upper	
202	100		
101	13.7	10.6	15.8
100	10.4	8.2	12.4





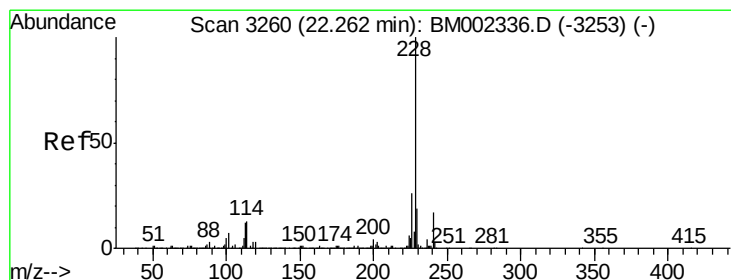
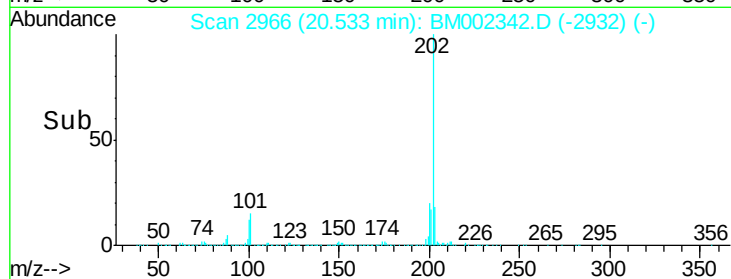
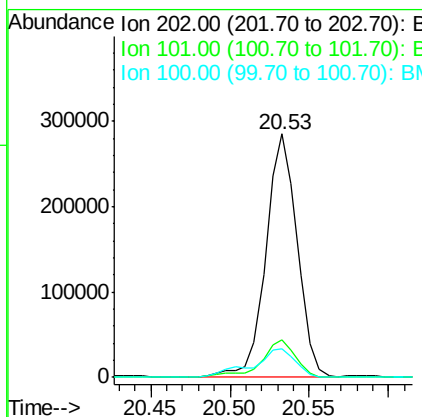
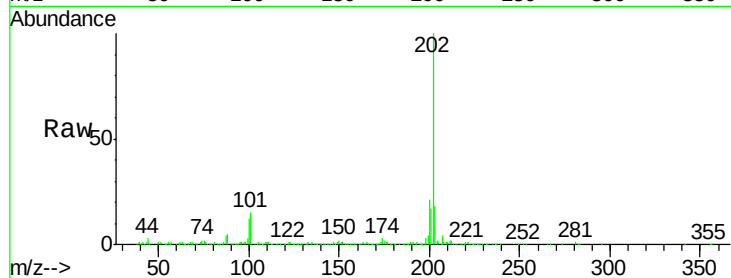
#19
Pvrene
Concen: 7.54 ng/ul
RT: 20.53 min Scan# 2966
Delta R.T. -0.00 min
Lab File: BM002342.D
Acq: 12 Aug 2015 03:07

Instrument :
BNA_M
ClientSampleId :
D9C81

Tot Ion	Ratio	Resp	Lower	Upper
202	100	391726		
101	15.3		13.0	19.6
100	12.0		11.0	16.4

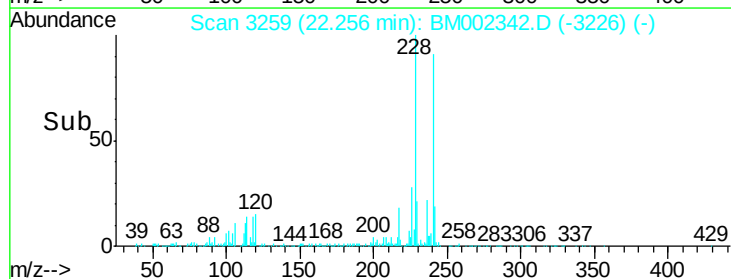
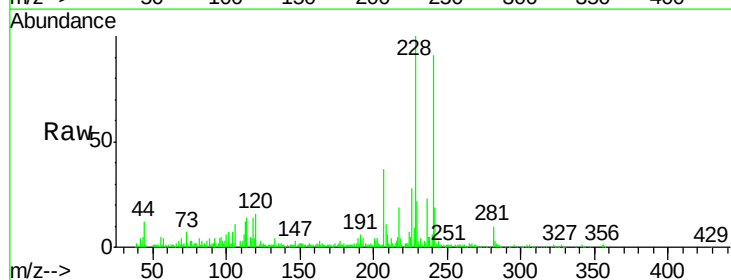
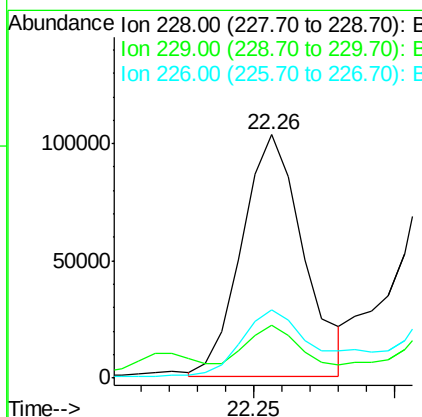
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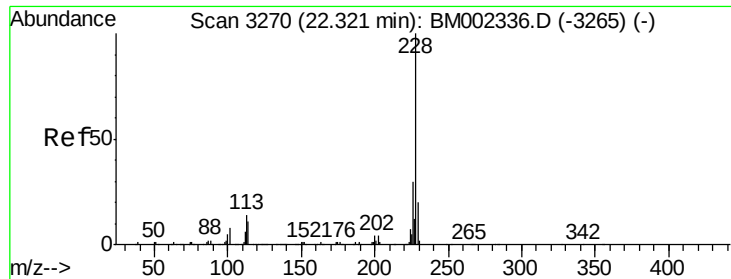
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#20
Benzo(a)anthracene
Concen: 3.19 ng/ul
RT: 22.26 min Scan# 3259
Delta R.T. -0.01 min
Lab File: BM002342.D
Acq: 12 Aug 2015 03:07

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	156573		
229	21.9		15.7	23.5
226	28.1		21.4	32.0





#21

Chrysene

Concen: 3.65 ng/ul m

RT: 22.32 min Scan# 3269

Delta R.T. -0.01 min

Lab File: BM002342.D

Acq: 12 Aug 2015 03:07

Instrument :

BNA_M

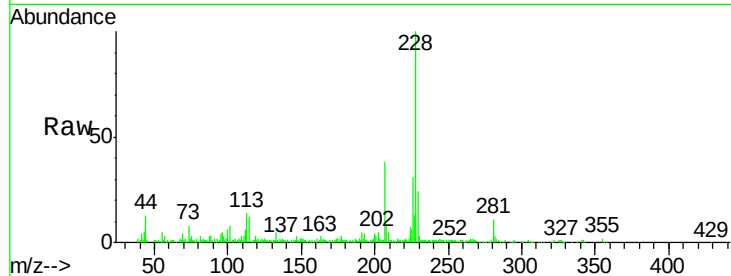
ClientSampleId :

D9C81

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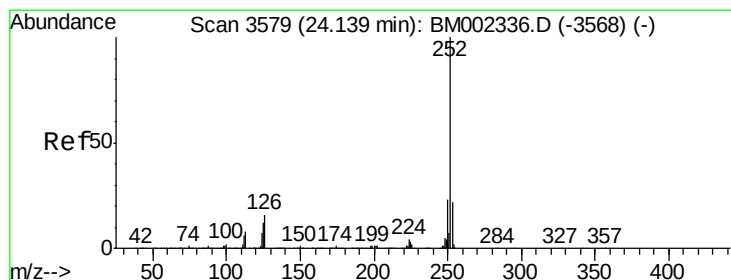
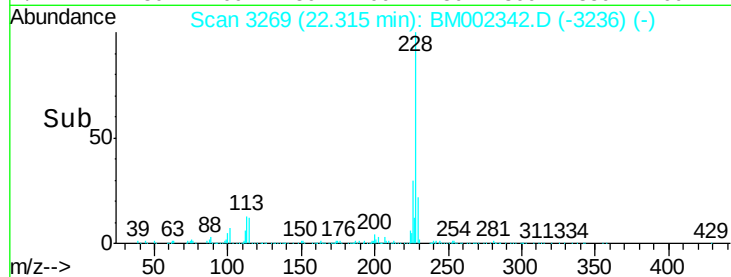
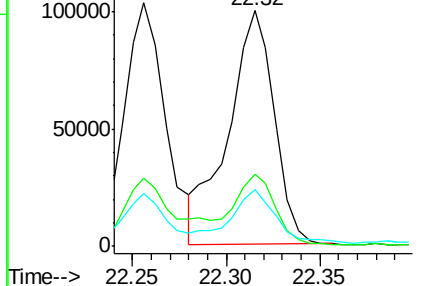
Tot Ion	Ratio	Resp	Lower	Upper
228	100	169582		
226	30.8	23.4	35.0	
229	23.9	15.5	23.3#	



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: 4.86 ng/ul

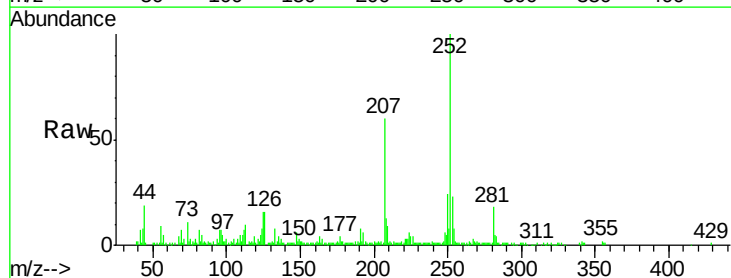
RT: 24.13 min Scan# 3578

Delta R.T. -0.01 min

Lab File: BM002342.D

Acq: 12 Aug 2015 03:07

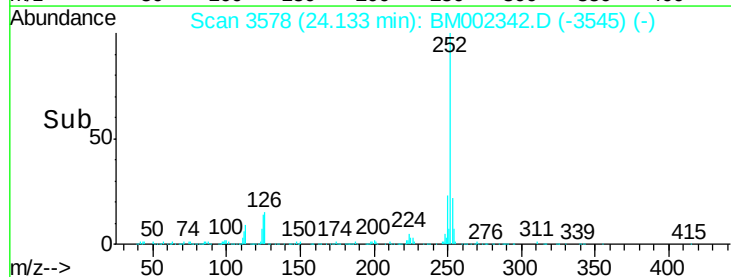
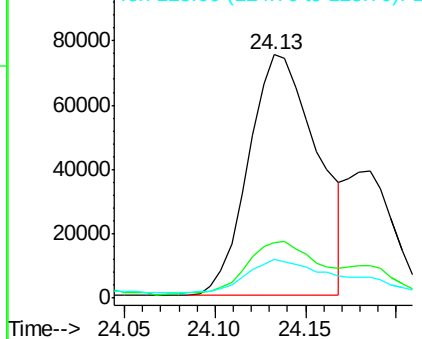
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	197377		
253	22.7	17.9	26.9	
125	15.7	10.3	15.5#	

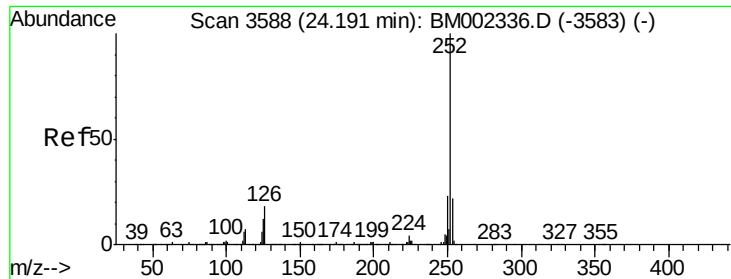


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 1.74 ng/ul m

RT: 24.19 min Scan# 3587

Delta R.T. -0.01 min

Lab File: BM002342.D

Acq: 12 Aug 2015 03:07

Instrument :

BNA_M

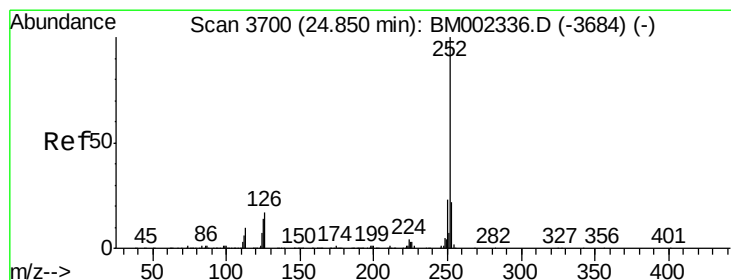
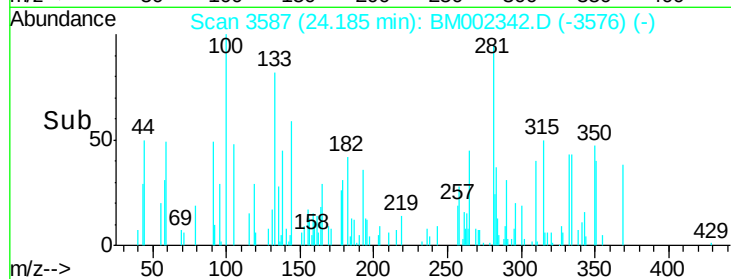
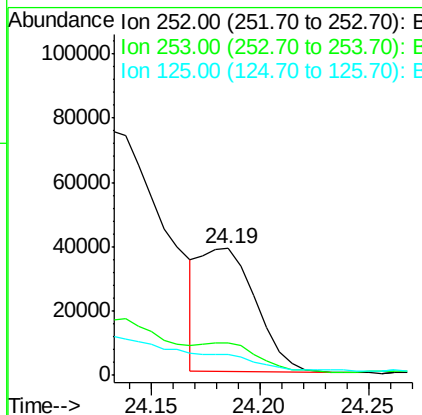
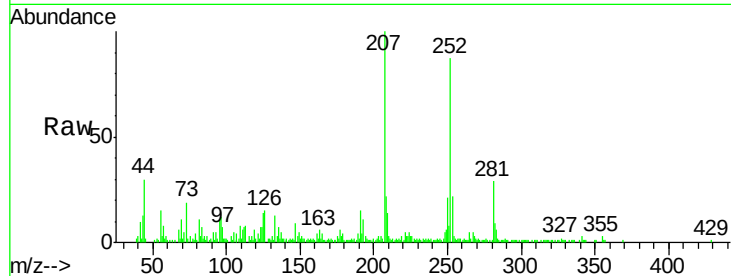
ClientSampleId :

D9C81

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Tot Ion:	252	Resp:	67846
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.3	25.9
125	16.3	10.2	15.4#



#26

Benzo(a)pyrene

Concen: 3.27 ng/ul

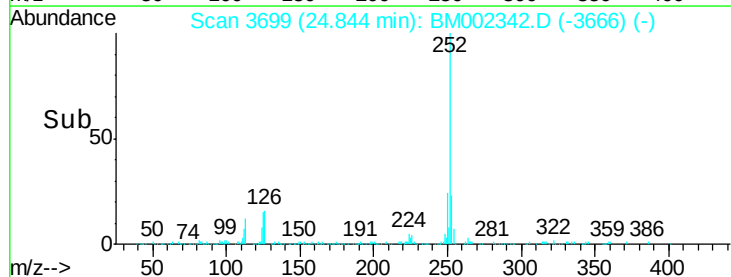
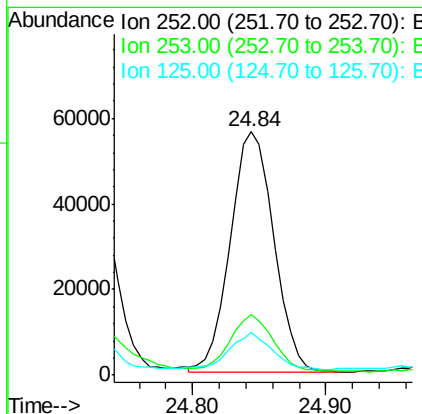
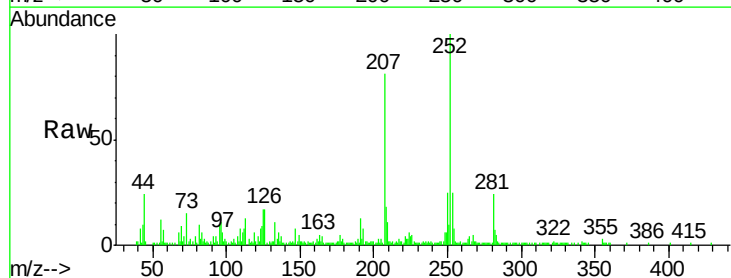
RT: 24.84 min Scan# 3699

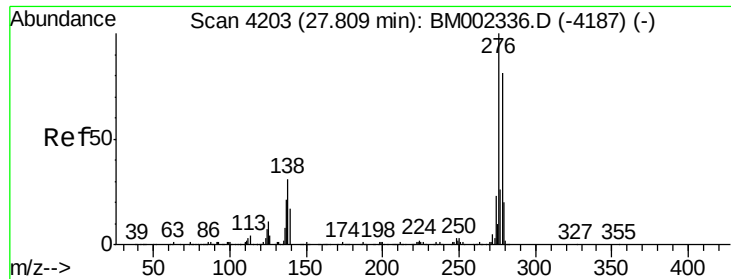
Delta R.T. -0.01 min

Lab File: BM002342.D

Acq: 12 Aug 2015 03:07

Tgt Ion:	252	Resp:	127014
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.3	25.9
125	17.4	11.0	16.6#





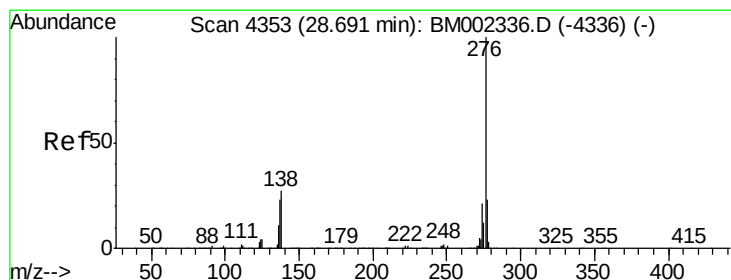
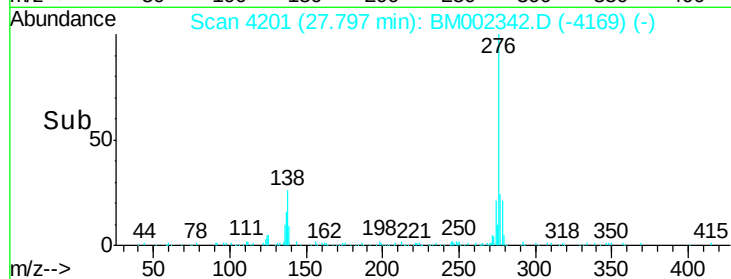
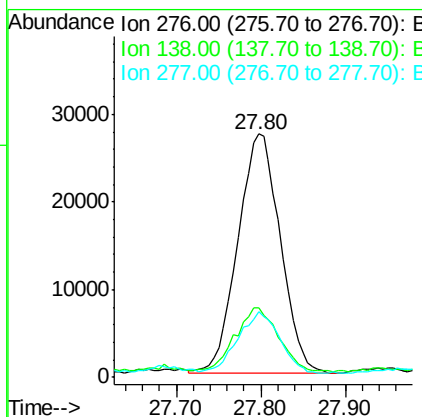
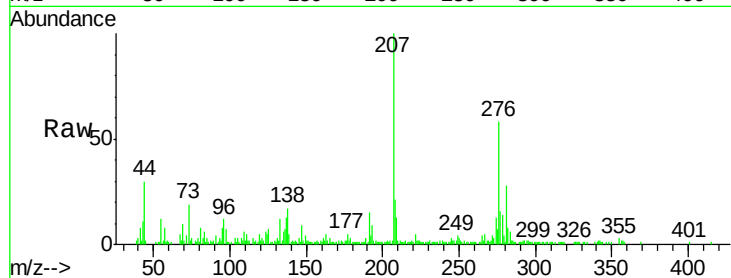
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 2.14 ng/ul
 RT: 27.80 min Scan# 4201
 Delta R.T. -0.01 min
 Lab File: BM002342.D
 Acq: 12 Aug 2015 03:07

Instrument :
 BNA_M
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
276	100		
138	28.6	25.6	38.4
277	27.1	21.0	31.4

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#29
 Benzo(g,h,i)perylene
 Concen: 2.41 ng/ul m
 RT: 28.69 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: BM002342.D
 Acq: 12 Aug 2015 03:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.6	20.5	30.7
277	24.8	19.0	28.6

