

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002416.D
 Acq On : 15 Aug 2015 09:44
 Operator : UM/IZ
 Sample : G3219-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D97

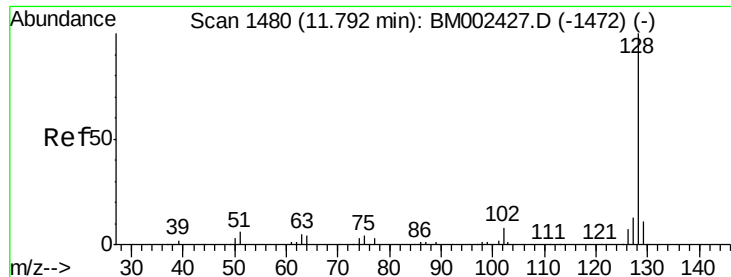
Manual Integrations
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 8/17/2015 2:45:02 PM

Quant Time: Aug 17 03:52:18 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	191005	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	878170	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	461782	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	912005	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	636501	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	557358	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	792410	16.78	ng/ul	0.00
10) Fluorene-d10	16.42	176	508916	15.35	ng/ul	0.00
14) Anthracene-d10	18.25	188	663855	15.09	ng/ul	0.00
18) Pyrene-d10	20.46	212	509505	18.06	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	255961	8.74	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.79	128	85201	1.90	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.33	142	57584	1.71	ng/ul	98
5) 1-Methylnaphthalene	13.55	142	50177	1.51	ng/ul	97
8) Acenaphthylene	15.18	152	60846	1.23	ng/ul	98
13) Phenanthrene	18.19	178	621323	11.80	ng/ul	100
15) Anthracene	18.28	178	126103	2.36	ng/ul	99
16) Fluoranthene	20.14	202	951908	15.97	ng/ul	99
19) Pyrene	20.49	202	710077	19.04	ng/ul	100
20) Benzo(a)anthracene	22.21	228	386681	10.16	ng/ul	98
21) Chrysene	22.27	228	376011	10.56	ng/ul	95
23) Benzo(b)fluoranthene	24.06	252	474487	14.08	ng/ul	96
24) Benzo(k)fluoranthene	24.11	252	172254m	5.39	ng/ul	
26) Benzo(a)pyrene	24.77	252	301067	9.35	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.69	276	227844	6.16	ng/ul	94
28) Dibenzo(a,h)anthracene	27.69	278	63821	2.06	ng/ul#	88
29) Benzo(g,h,i)perylene	28.57	276	206113	6.69	ng/ul	99

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



#3

Naphthalene

Concen: 1.90 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

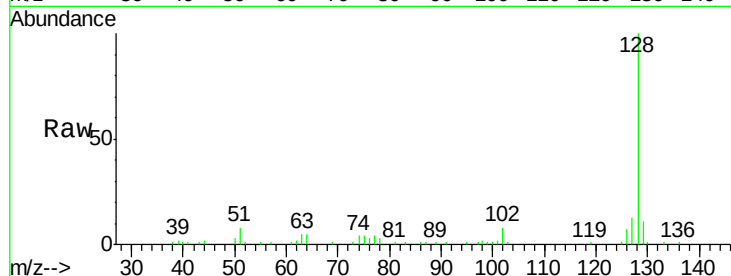
ClientSampleId :

D9D97

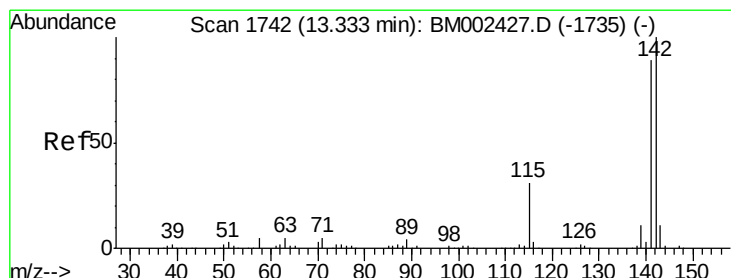
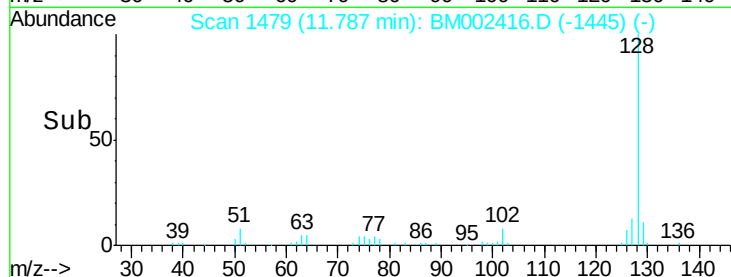
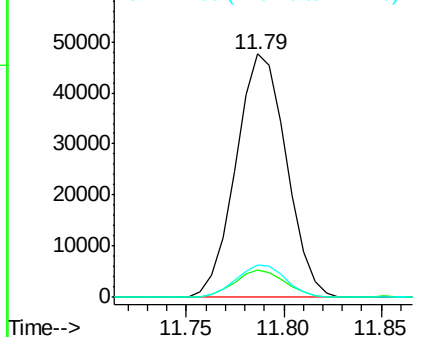
Tgt Ion:	128	Resp:	85201
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	12.8
127	13.4	10.4	15.6

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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: 1.71 ng/ul

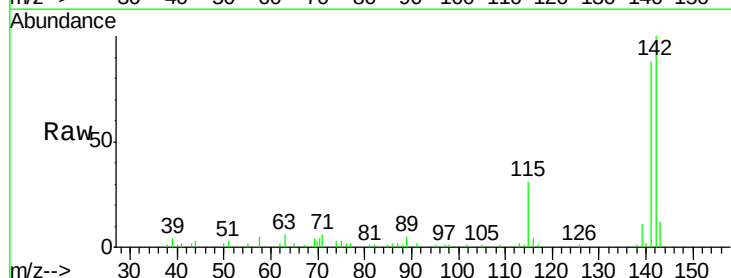
RT: 13.33 min Scan# 1741

Delta R.T. 0.00 min

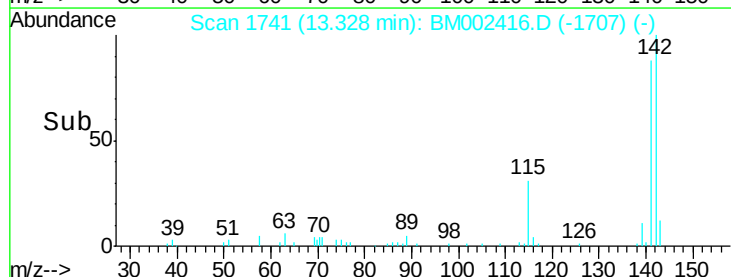
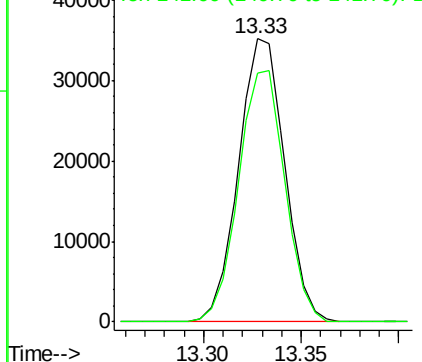
Lab File: BM002416.D

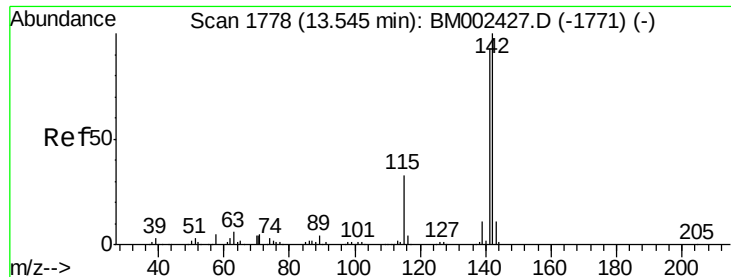
Acq: 15 Aug 2015 09:44

Tgt Ion:	142	Resp:	57584
Ion Ratio	Lower	Upper	
142	100		
141	88.0	72.2	108.2



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





#5

1-Methylnaphthalene

Concen: 1.51 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002416.D

Acq: 15 Aug 2015 09:44

Instrument :

BNA_M

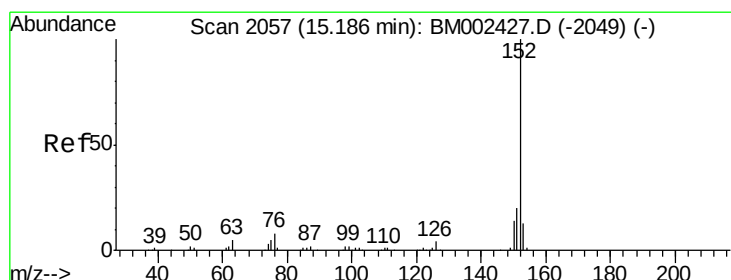
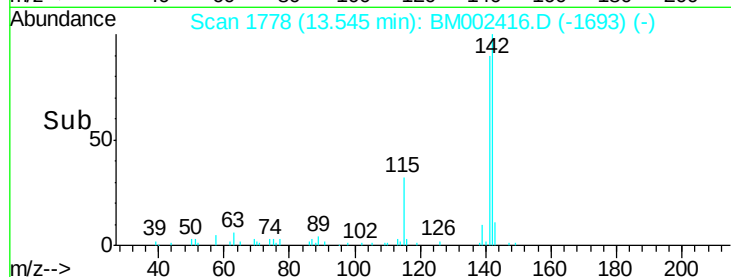
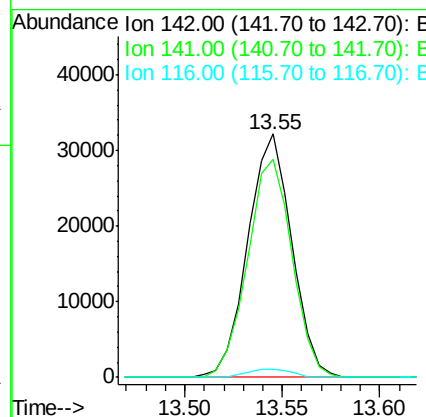
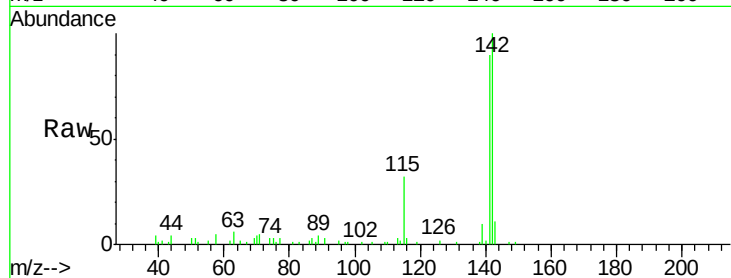
ClientSampleId :

D9D97

Tgt Ion:	142	Resp:	50177
Ion Ratio	Lower	Upper	
142	100		
141	89.8	73.9	110.9
116	3.1	3.0	4.4

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#8

Acenaphthylene

Concen: 1.23 ng/ul

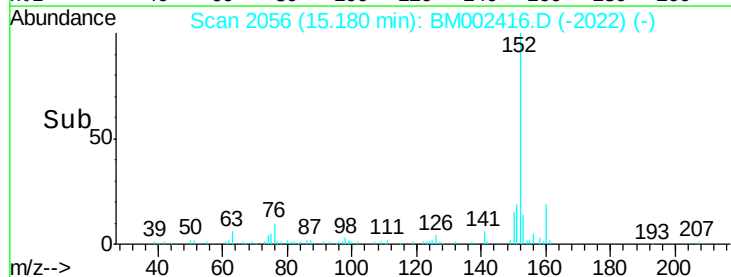
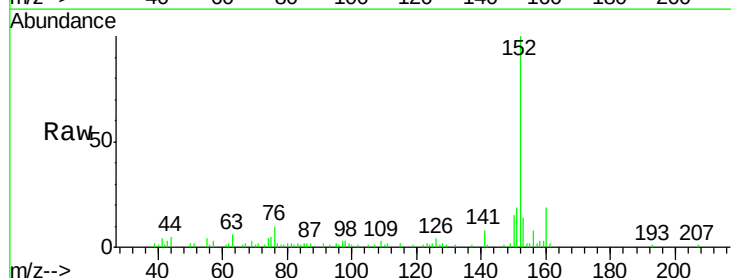
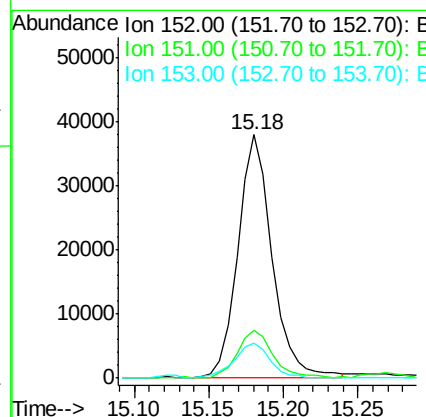
RT: 15.18 min Scan# 2056

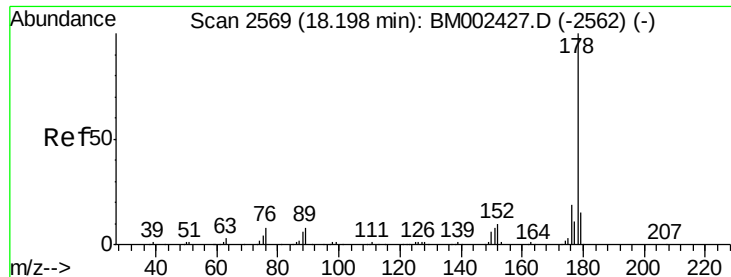
Delta R.T. 0.00 min

Lab File: BM002416.D

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Tgt Ion:	152	Resp:	60846
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.7	23.5
153	14.1	10.2	15.4





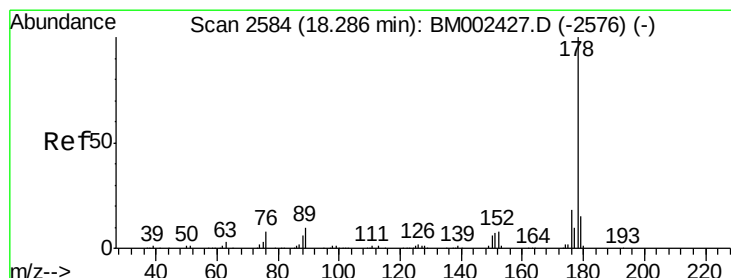
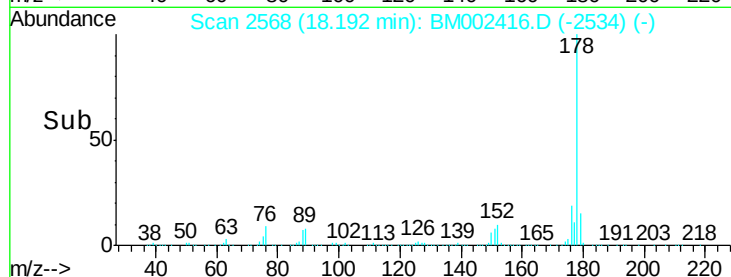
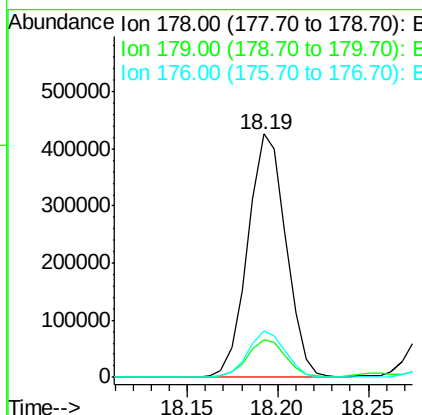
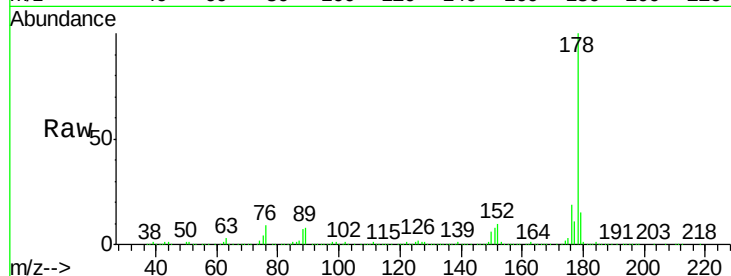
#13
 Phenanthrene
 Concen: 11.80 ng/ul
 RT: 18.19 min Scan# 2568
 Delta R.T. 0.00 min
 Lab File: BM002416.D
 Acq: 15 Aug 2015 09:44

Instrument :
 BNA_M
 ClientSampleId :
 D9D97

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6
176	18.8	15.1	22.7

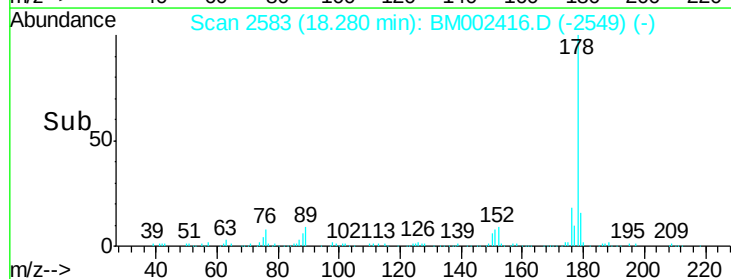
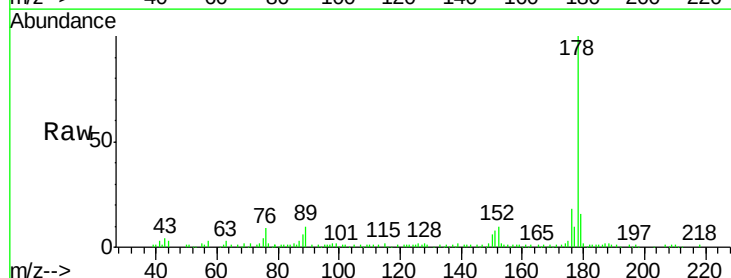
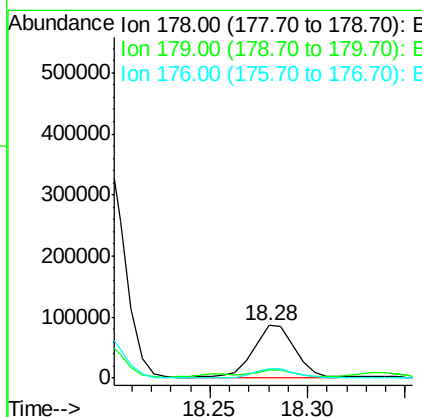
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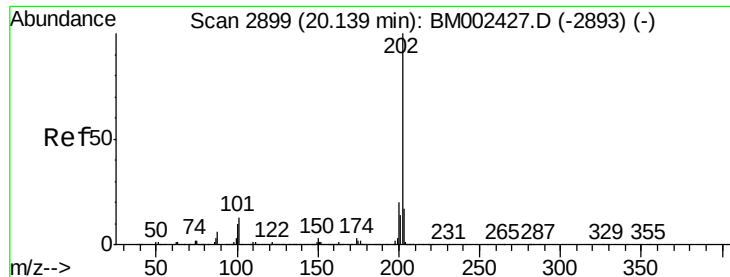
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#15
 Anthracene
 Concen: 2.36 ng/ul
 RT: 18.28 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: BM002416.D
 Acq: 15 Aug 2015 09:44

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8
176	18.4	14.5	21.7





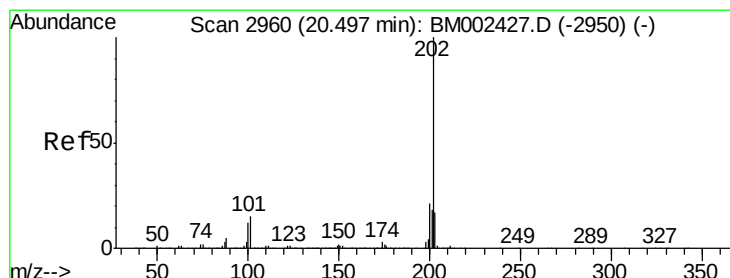
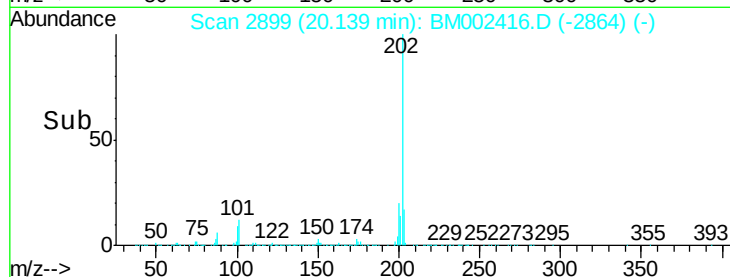
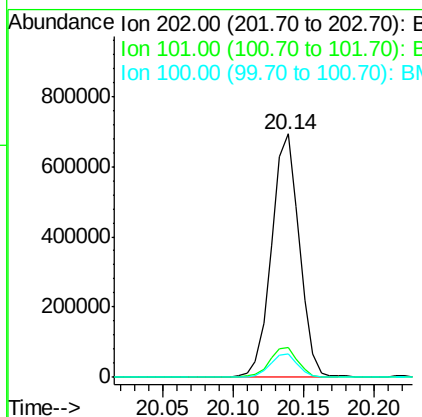
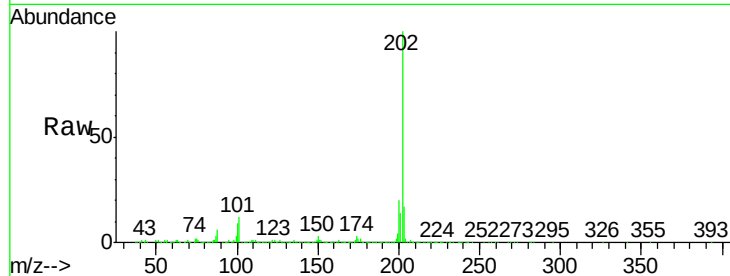
#16
Fluoranthene
Concen: 15.97 ng/ul
RT: 20.14 min Scan# 2899
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Instrument :
BNA_M
ClientSampleId :
D9D97

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	9.7	14.5
100	9.4	7.4	11.2

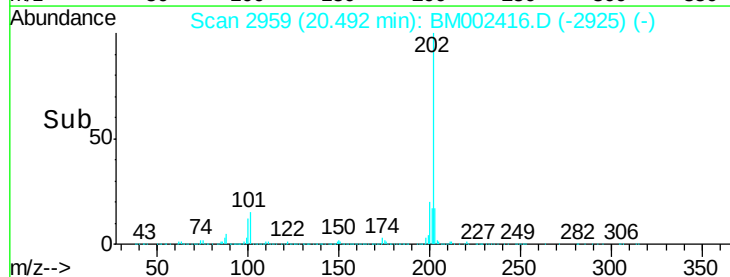
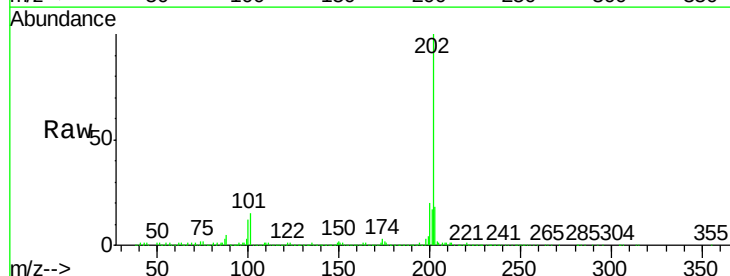
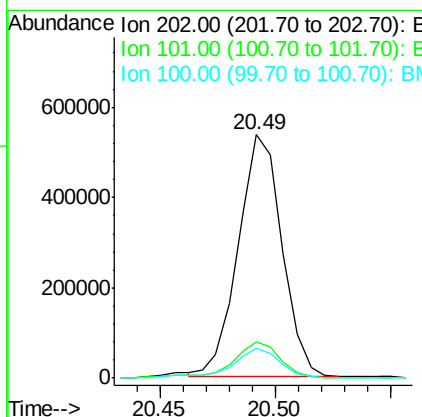
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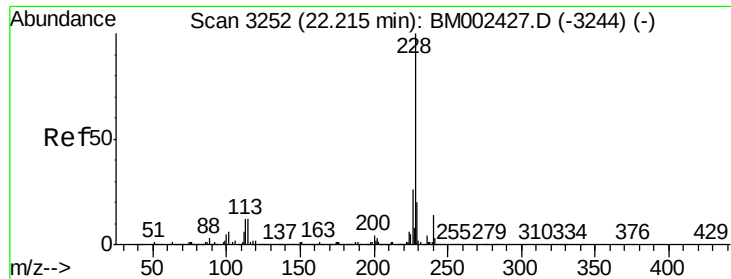
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#19
Pyrene
Concen: 19.04 ng/ul
RT: 20.49 min Scan# 2959
Delta R.T. 0.00 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.9	12.0	18.0
100	12.2	9.7	14.5





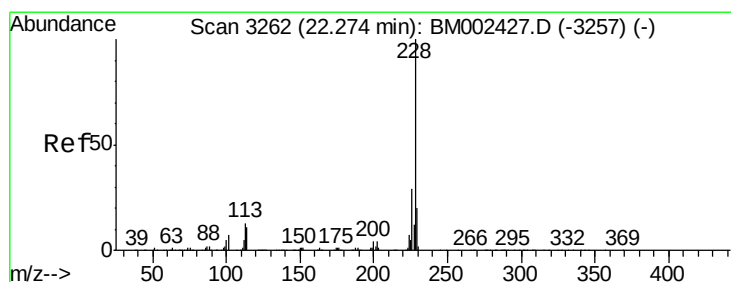
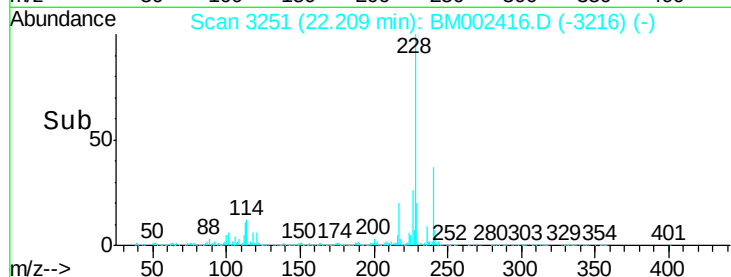
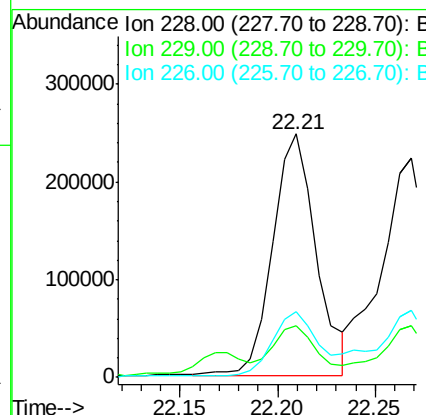
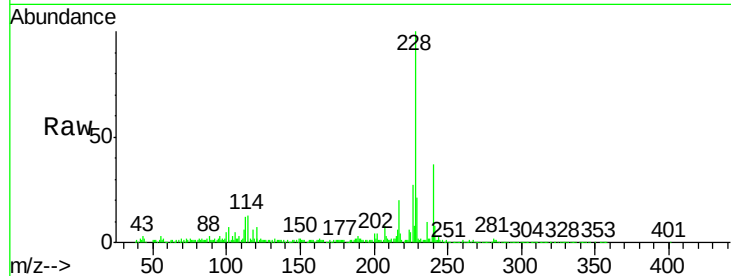
#20
Benzo(a)anthracene
Concen: 10.16 ng/ul
RT: 22.21 min Scan# 3251
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Instrument :
BNA_M
ClientSampleId :
D9D97

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	386681		
229	21.0	15.8	23.6	
226	27.0	21.1	31.7	

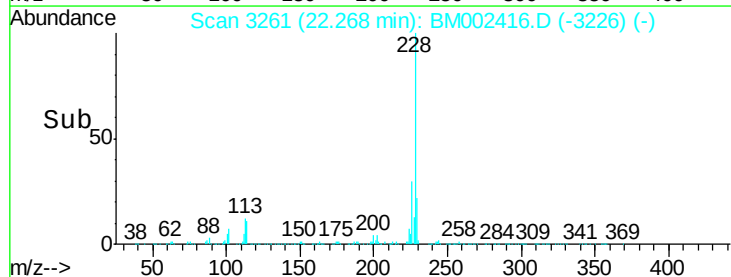
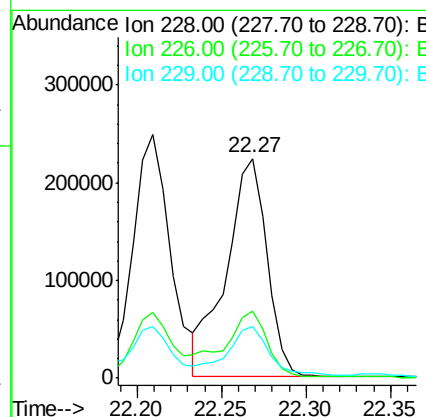
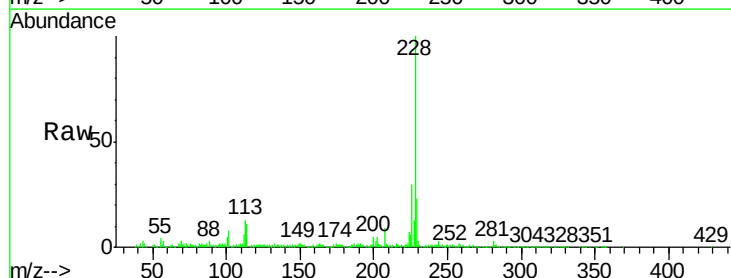
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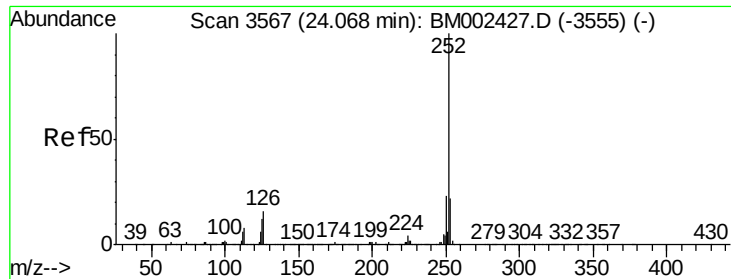
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#21
Chrysene
Concen: 10.56 ng/ul
RT: 22.27 min Scan# 3261
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	376011		
226	30.4	23.4	35.2	
229	23.4	15.7	23.5	





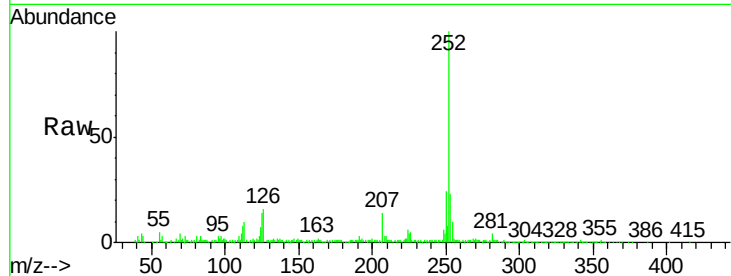
#23
Benzo(b)fluoranthene
Concen: 14.08 ng/ul
RT: 24.06 min Scan# 3566
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Instrument :
BNA_M
ClientSampled :
D9D97

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	14.1	10.0	15.0

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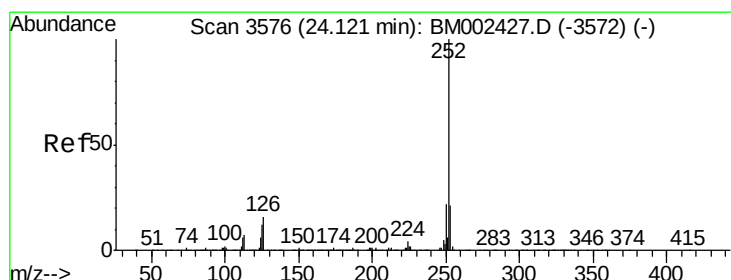
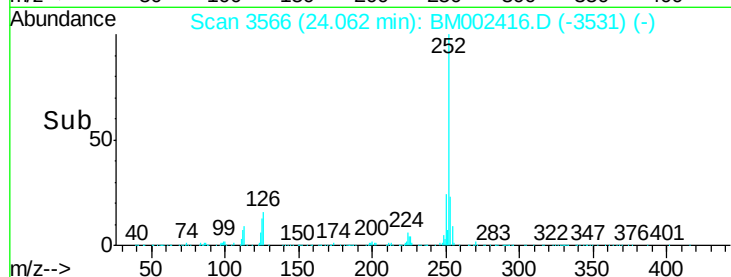
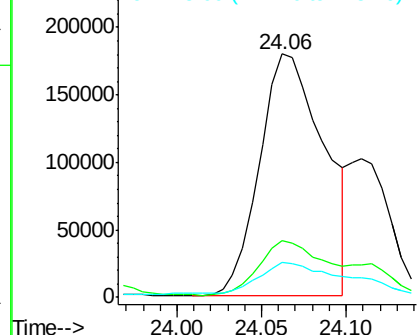


Abundance

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: 5.39 ng/ul m
RT: 24.11 min Scan# 3574
Delta R.T. 0.00 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

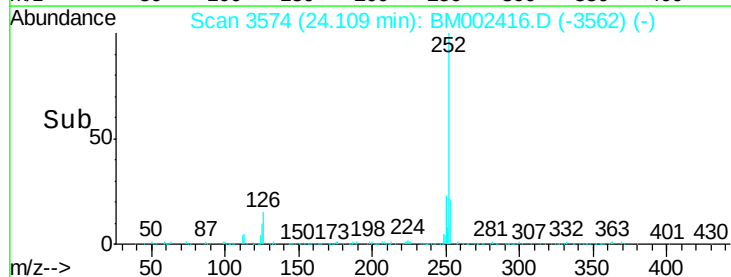
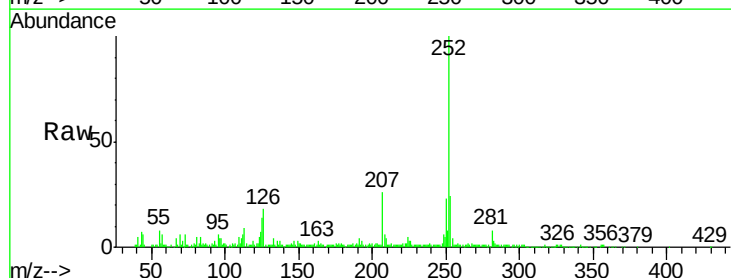
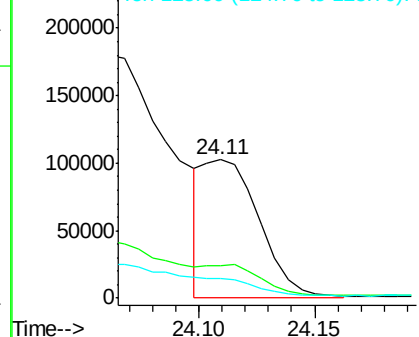
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	13.8	9.8	14.8

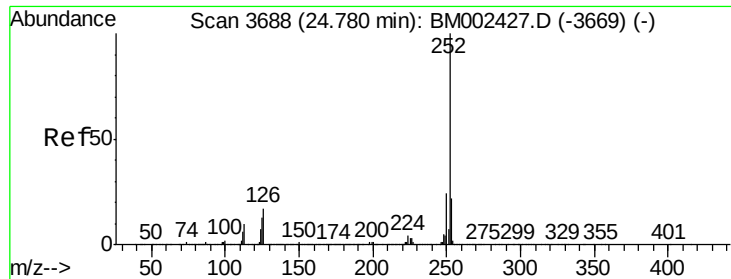
Abundance

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





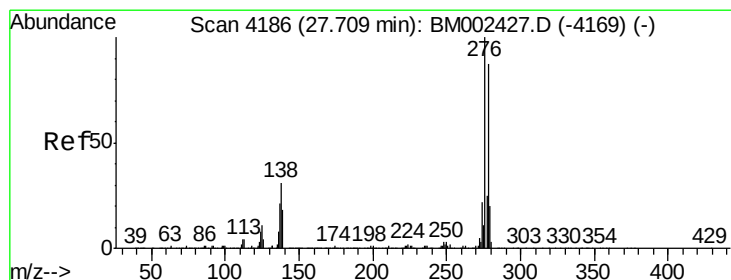
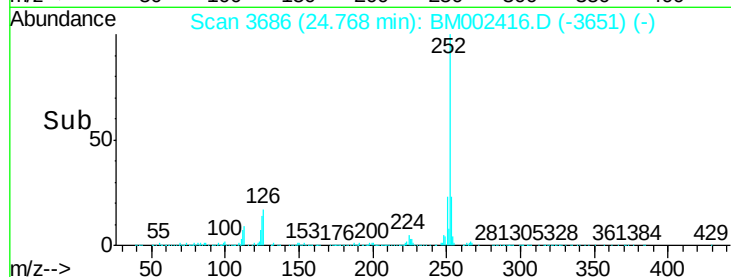
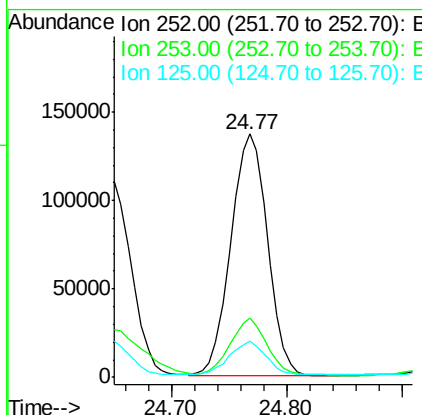
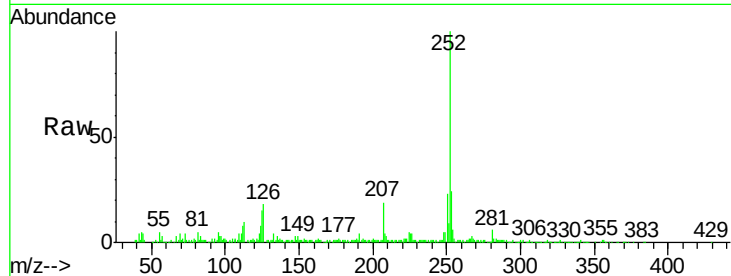
#26
Benzo(a)pyrene
Concen: 9.35 ng/ul
RT: 24.77 min Scan# 3686
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Instrument :
BNA_M
ClientSampleId :
D9D97

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	15.0	10.7	16.1

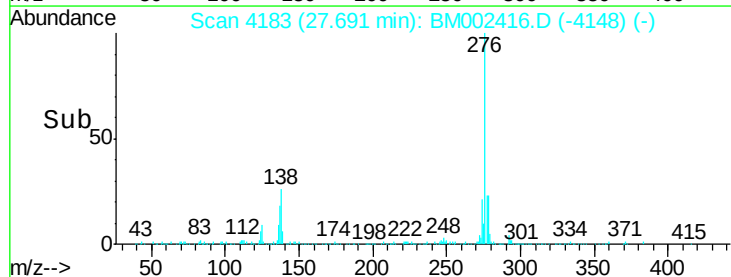
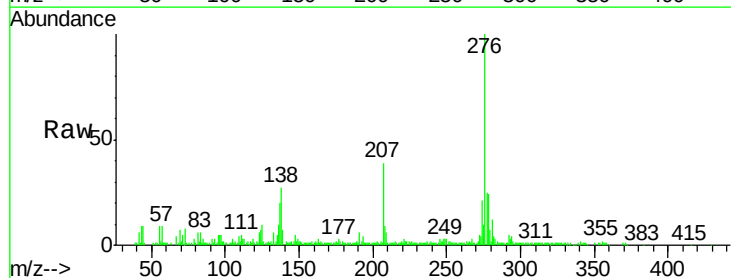
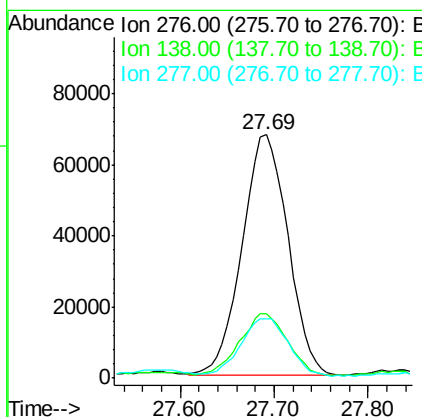
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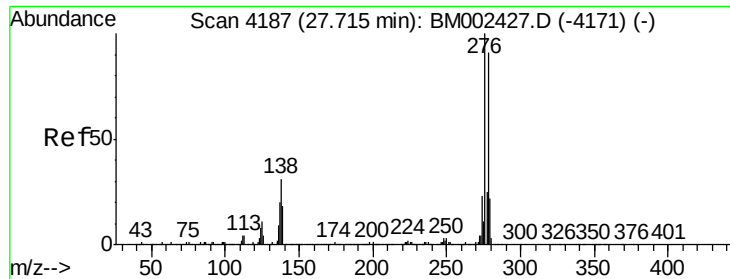
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#27
Indeno(1,2,3-cd)pyrene
Concen: 6.16 ng/ul
RT: 27.69 min Scan# 4183
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.3	37.9
277	24.6	20.2	30.2





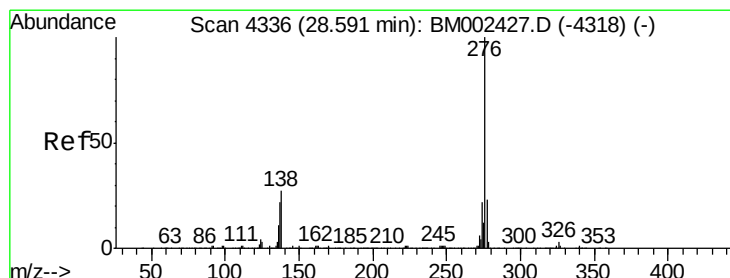
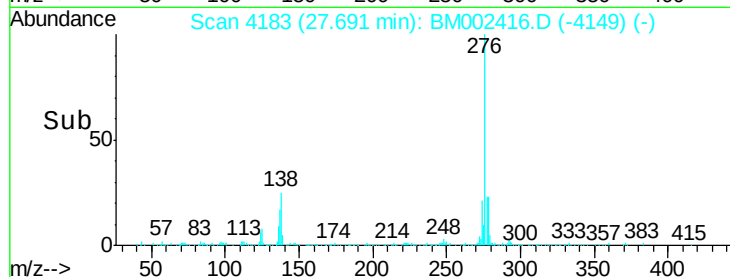
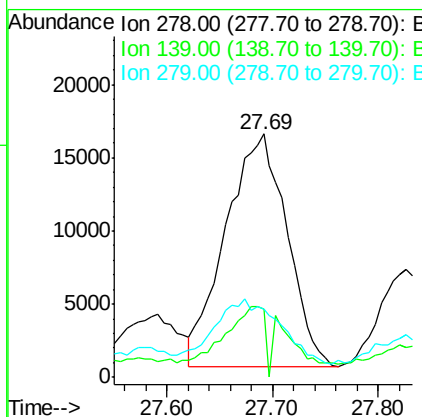
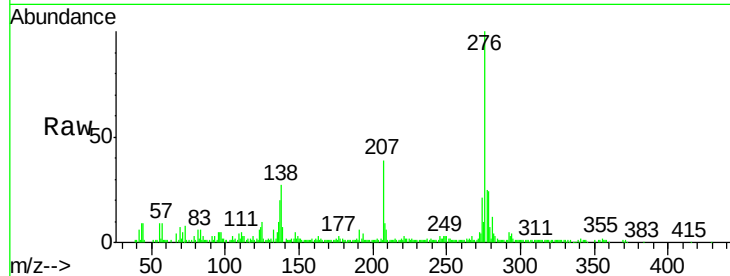
#28
Dibenzo(a,h)anthracene
Concen: 2.06 ng/ul
RT: 27.69 min Scan# 4183
Delta R.T. 0.00 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Instrument :
BNA_M
ClientSampleId :
D9D97

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.9	16.5	24.7#
279	28.0	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:45:02 PM



#29
Benzo(g,h,i)perylene
Concen: 6.69 ng/ul
RT: 28.57 min Scan# 4333
Delta R.T. 0.01 min
Lab File: BM002416.D
Acq: 15 Aug 2015 09:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	21.0	31.6
277	24.5	19.2	28.8

