

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002408.D
 Acq On : 15 Aug 2015 04:55
 Operator : UM/IZ
 Sample : G3194-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D92

Manual Integrations
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 8/17/2015 2:44:31 PM

Quant Time: Aug 17 02:48:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:04:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	138317	20.00	ng/ul	0.00
2) Naphthalene-d8	11.73	136	678388	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.44	164	378892	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.15	188	800182	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	816344	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	696844	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.15	160	757674	19.56	ng/ul	0.00
10) Fluorene-d10	16.42	176	509824	18.74	ng/ul	0.00
14) Anthracene-d10	18.24	188	744073	19.28	ng/ul	0.00
18) Pyrene-d10	20.46	212	762553	21.07	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.71	264	597595	16.33	ng/ul	0.00
Target Compounds						
3) Naphthalene	11.79	128	55108	1.59	ng/ul	Qvalue 99
4) 2-Methylnaphthalene	13.33	142	33133	1.28	ng/ul	100
9) Acenaphthene	15.50	153	37733	1.41	ng/ul	94
11) Fluorene	16.47	166	35622	1.16	ng/ul	99
13) Phenanthrene	18.19	178	536960	11.62	ng/ul	99
15) Anthracene	18.28	178	86836	1.85	ng/ul	99
16) Fluoranthene	20.13	202	697867	13.34	ng/ul	98
19) Pyrene	20.49	202	538931	11.27	ng/ul	99
20) Benzo(a)anthracene	22.21	228	292717m	6.00	ng/ul	
21) Chrysene	22.26	228	309717	6.78	ng/ul	97
23) Benzo(b)fluoranthene	24.06	252	382277	9.07	ng/ul	97
24) Benzo(k)fluoranthene	24.10	252	110590m	2.77	ng/ul	
26) Benzo(a)pyrene	24.76	252	224698	5.58	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.68	276	135762	2.93	ng/ul	94
28) Dibenzo(a,h)anthracene	27.68	278	40708	1.05	ng/ul#	80
29) Benzo(g,h,i)perylene	28.56	276	120348	3.12	ng/ul	96

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

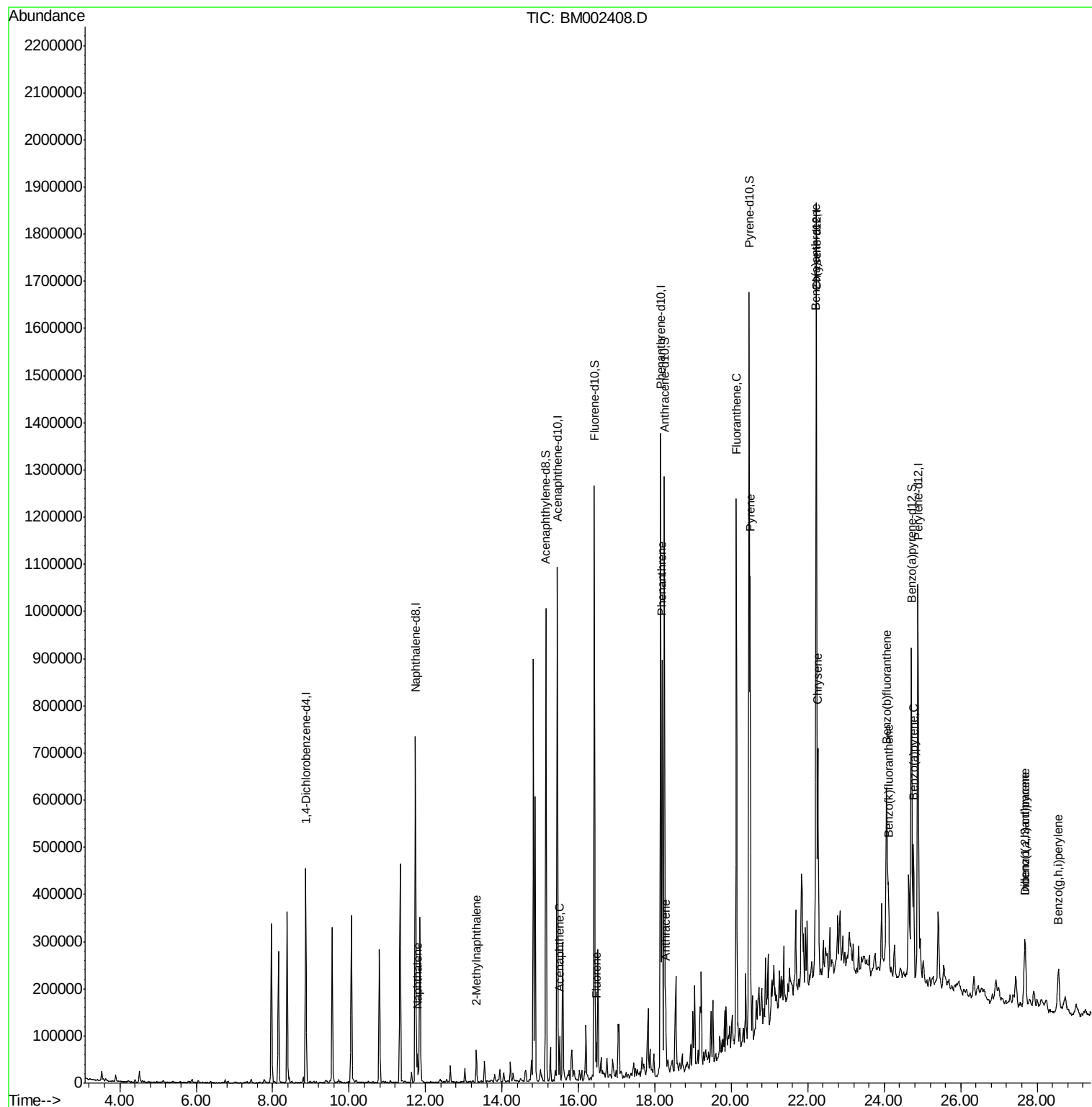
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
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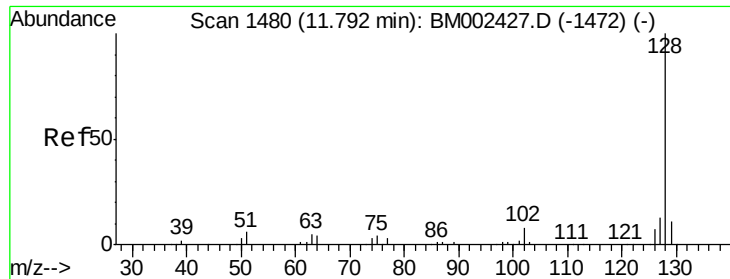
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#3

Naphthalene

Concen: 1.59 ng/ul

RT: 11.79 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BM002408.D

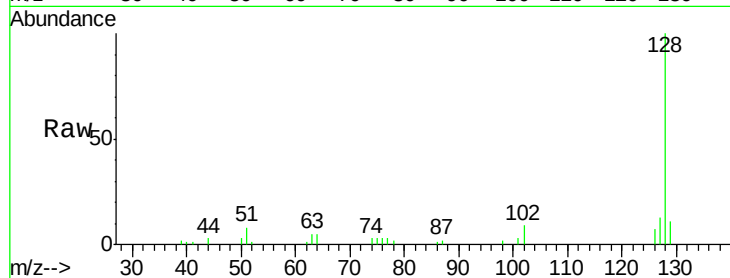
Acq: 15 Aug 2015 04:55

Instrument :

BNA_M

ClientSampleId :

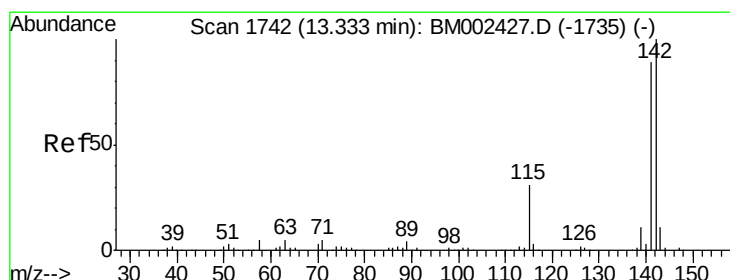
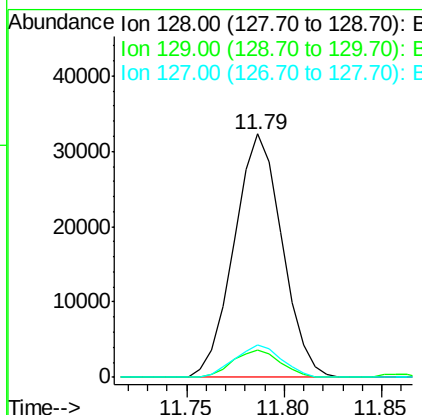
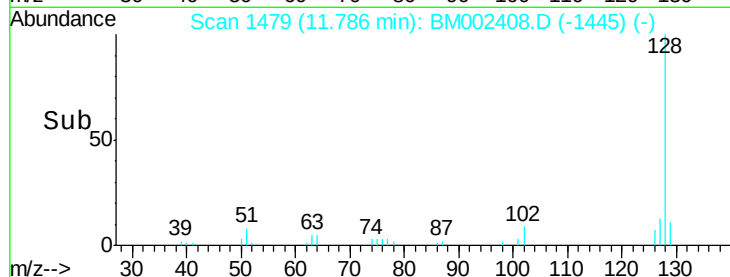
D9D92



Tgt Ion:	128	Resp:	55108
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.6	12.8
127	13.2	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 1.28 ng/ul

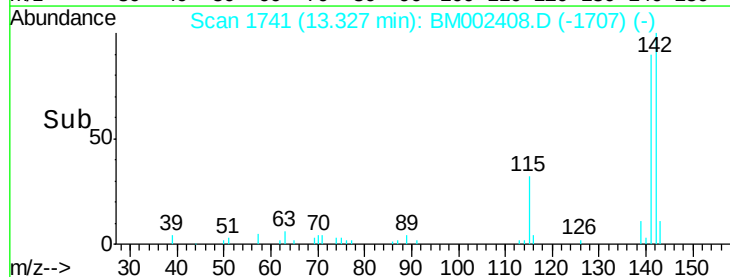
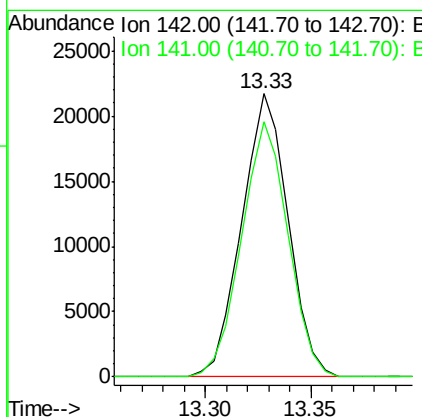
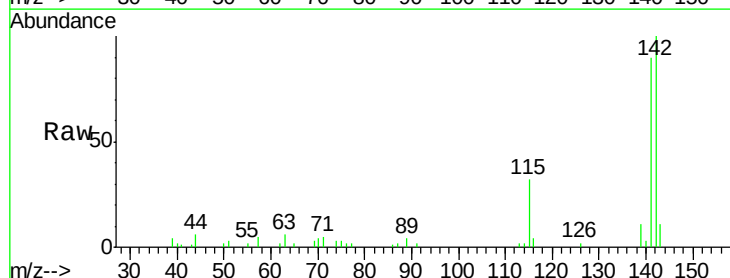
RT: 13.33 min Scan# 1741

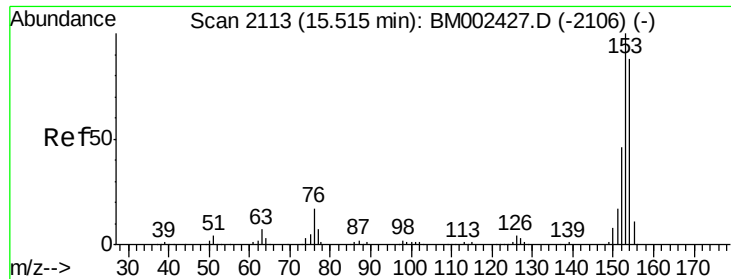
Delta R.T. -0.00 min

Lab File: BM002408.D

Acq: 15 Aug 2015 04:55

Tgt Ion:	142	Resp:	33133
Ion Ratio	Lower	Upper	
142	100		
141	90.3	72.2	108.2





#9

Acenaphthene

Concen: 1.41 ng/ul

RT: 15.50 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BM002408.D

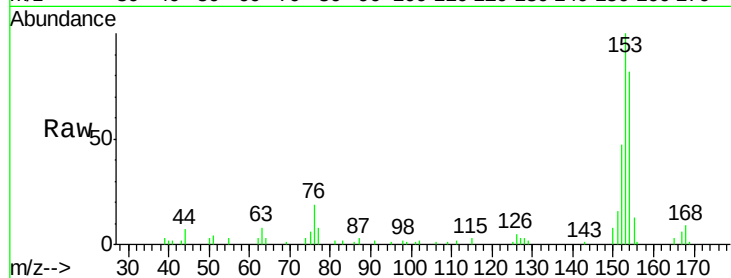
Acq: 15 Aug 2015 04:55

Instrument :

BNA_M

ClientSampleId :

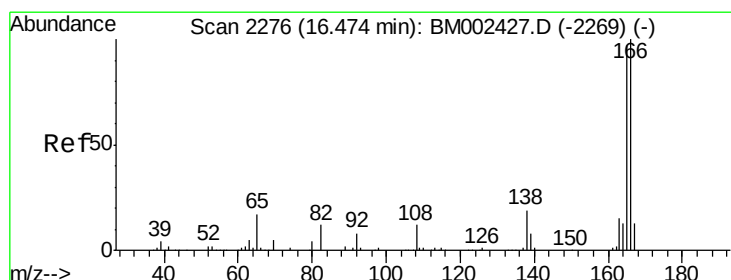
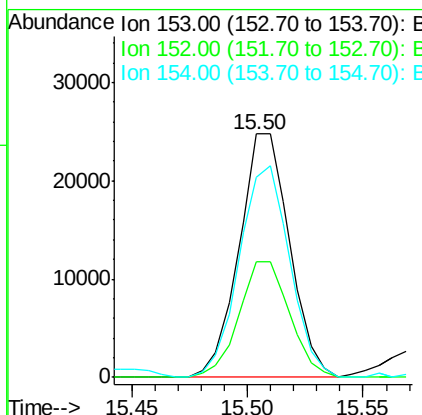
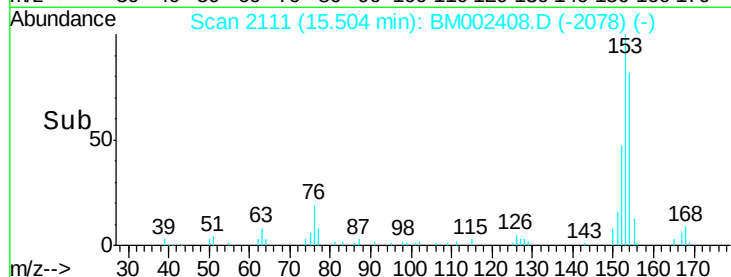
D9D92



Tgt Ion:	153	Resp:	37733
Ion Ratio	Lower	Upper	
153	100		
152	47.5	36.9	55.3
154	82.3	71.3	106.9

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#11

Fluorene

Concen: 1.16 ng/ul

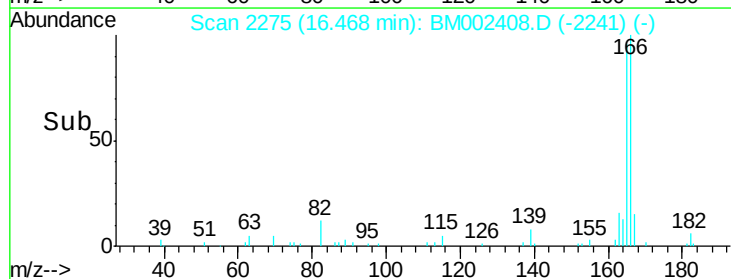
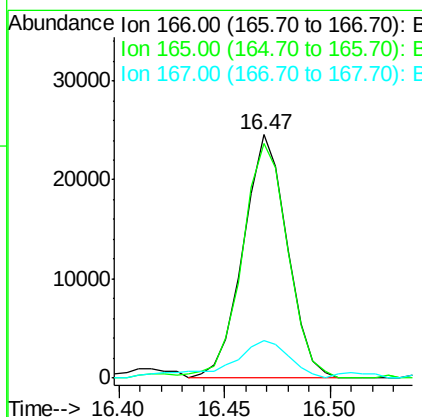
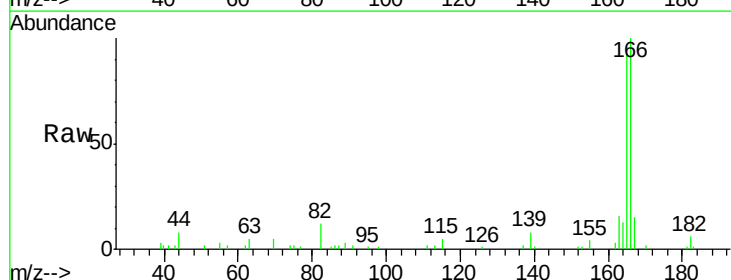
RT: 16.47 min Scan# 2275

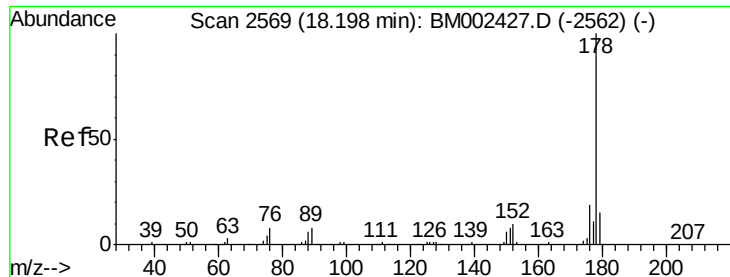
Delta R.T. -0.00 min

Lab File: BM002408.D

Acq: 15 Aug 2015 04:55

Tgt Ion:	166	Resp:	35622
Ion Ratio	Lower	Upper	
166	100		
165	96.2	77.6	116.4
167	15.4	10.7	16.1





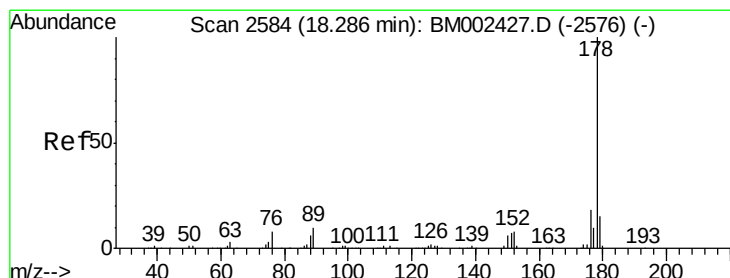
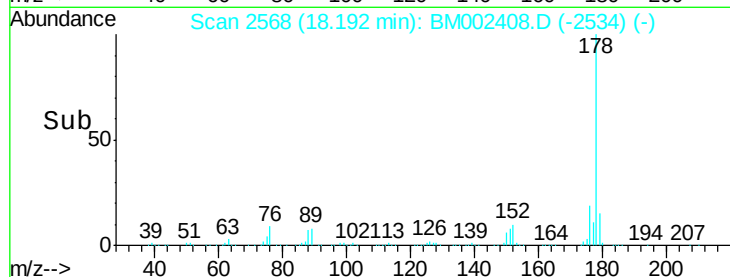
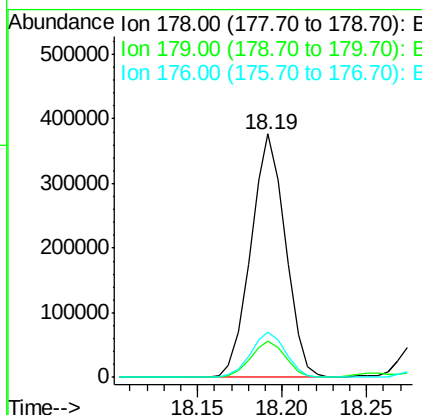
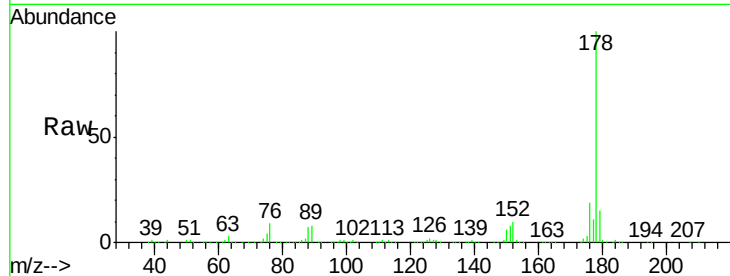
#13
 Phenanthrene
 Concen: 11.62 ng/ul
 RT: 18.19 min Scan# 2568
 Delta R.T. -0.00 min
 Lab File: BM002408.D
 Acq: 15 Aug 2015 04:55

Instrument :
 BNA_M
 ClientSampleId :
 D9D92

Tgt Ion:	178	Resp:	536960
Ion Ratio	Lower	Upper	
178	100		
179	15.0	12.4	18.6
176	18.6	15.1	22.7

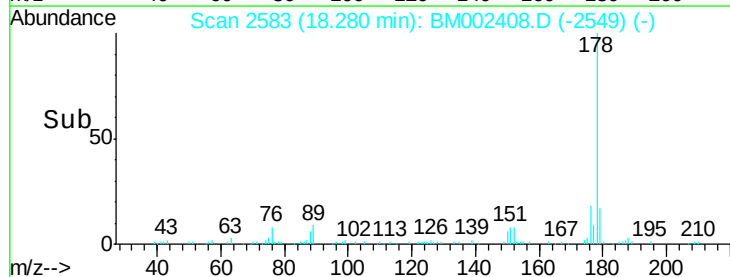
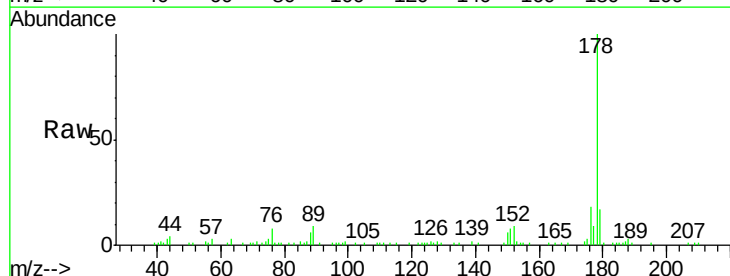
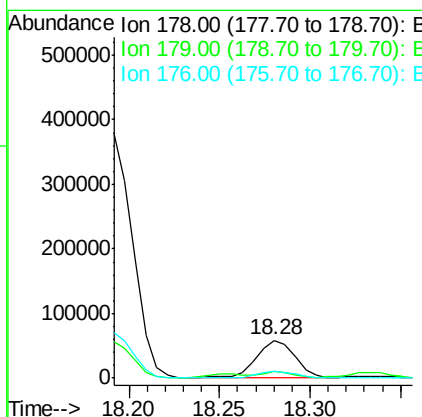
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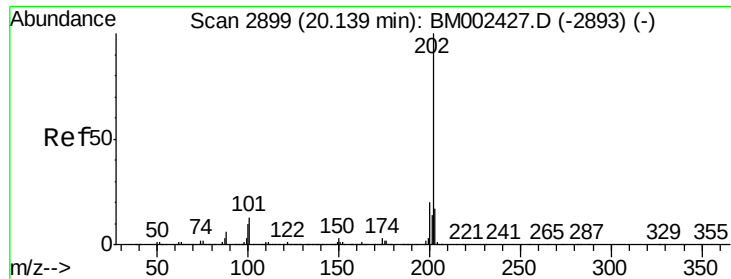
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#15
 Anthracene
 Concen: 1.85 ng/ul
 RT: 18.28 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: BM002408.D
 Acq: 15 Aug 2015 04:55

Tgt Ion:	178	Resp:	86836
Ion Ratio	Lower	Upper	
178	100		
179	16.5	12.6	18.8
176	18.3	14.5	21.7





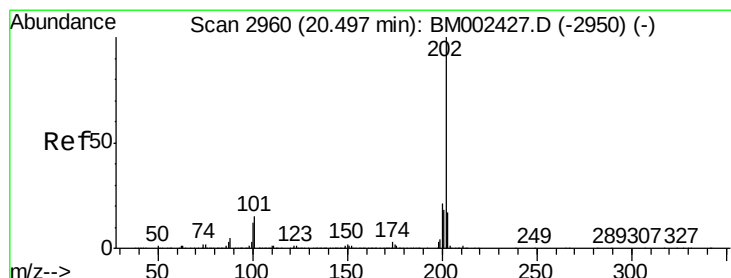
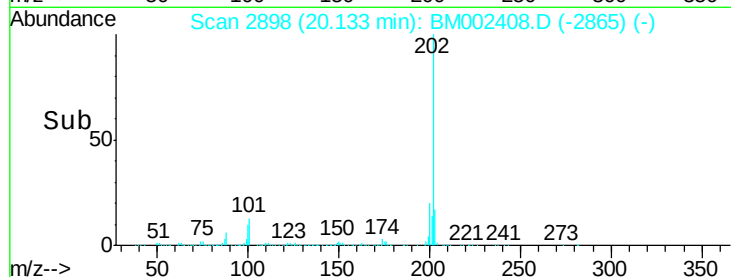
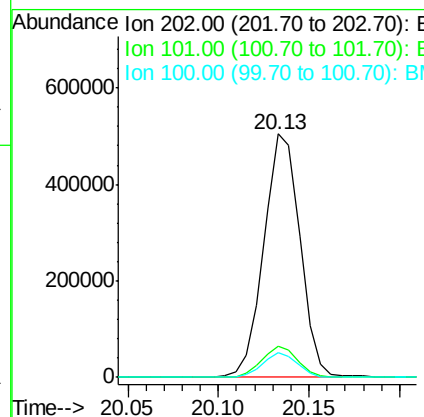
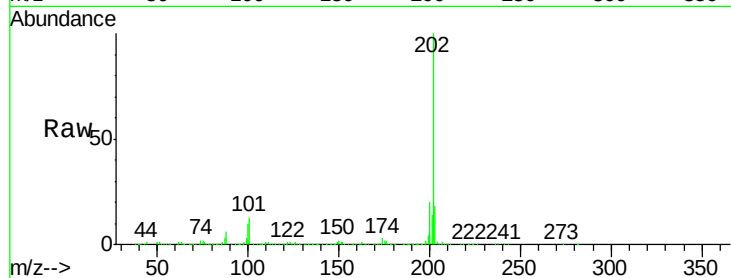
#16
 Fluoranthene
 Concen: 13.34 ng/ul
 RT: 20.13 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: BM002408.D
 Acq: 15 Aug 2015 04:55

Instrument :
 BNA_M
 ClientSampleId :
 D9D92

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	697867		
101	13.0	9.7	14.5	
100	10.0	7.4	11.2	

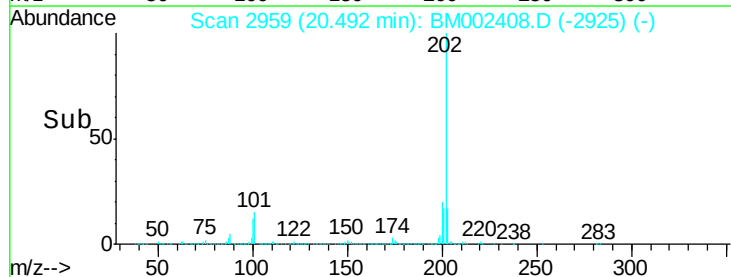
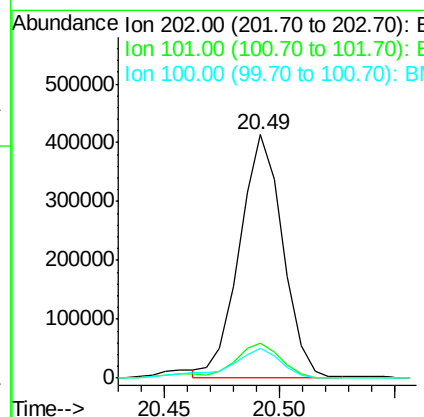
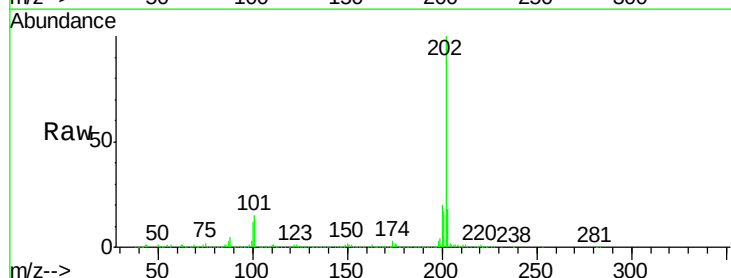
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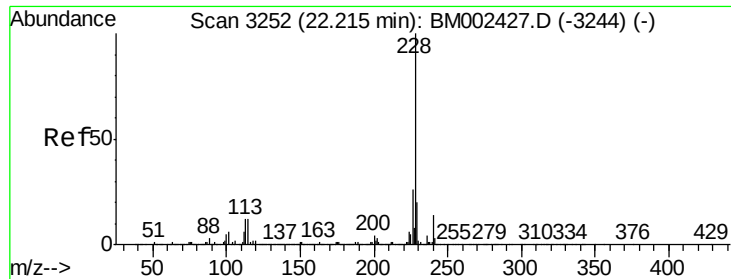
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#19
 Pyrene
 Concen: 11.27 ng/ul
 RT: 20.49 min Scan# 2959
 Delta R.T. -0.00 min
 Lab File: BM002408.D
 Acq: 15 Aug 2015 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	538931		
101	14.6	12.0	18.0	
100	12.0	9.7	14.5	





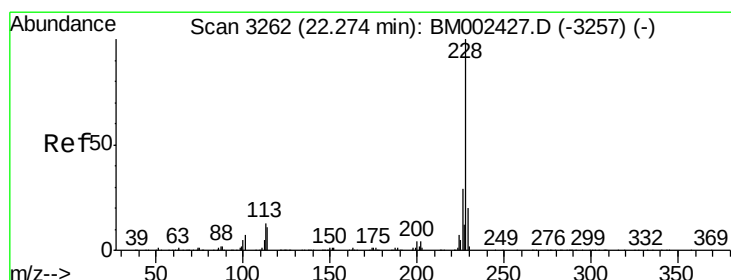
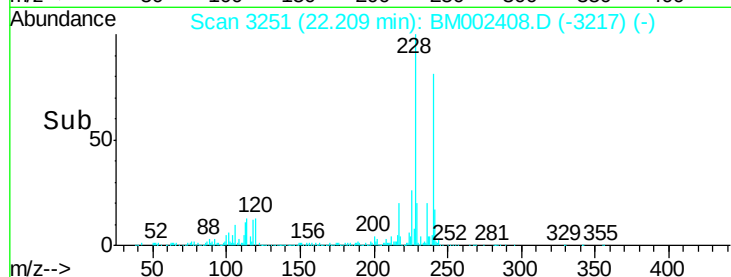
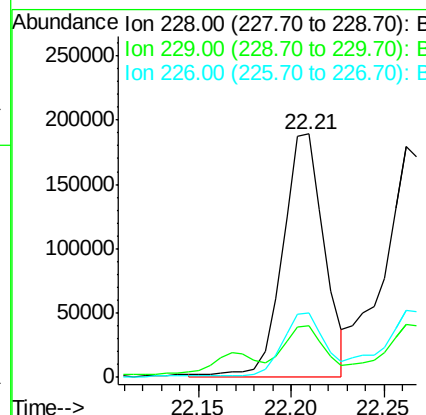
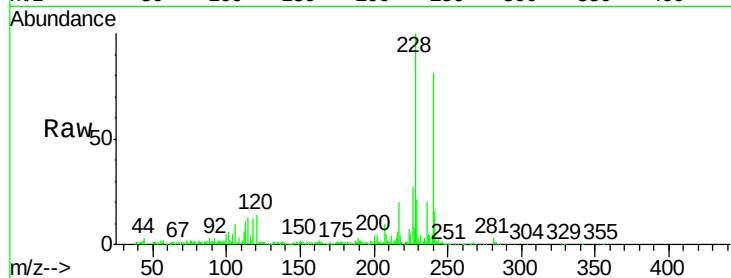
#20
Benzo(a)anthracene
Concen: 6.00 ng/ul m
RT: 22.21 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Instrument :
BNA_M
ClientSampleId :
D9D92

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	292717		
229	21.2	15.8	23.6	
226	26.6	21.1	31.7	

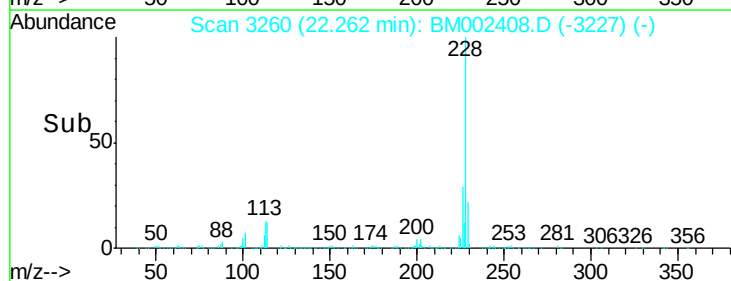
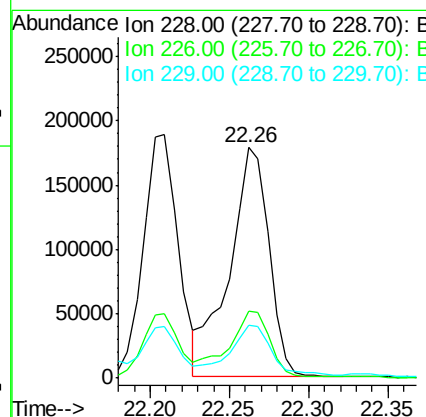
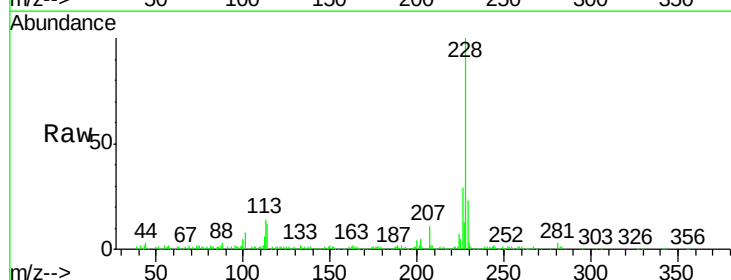
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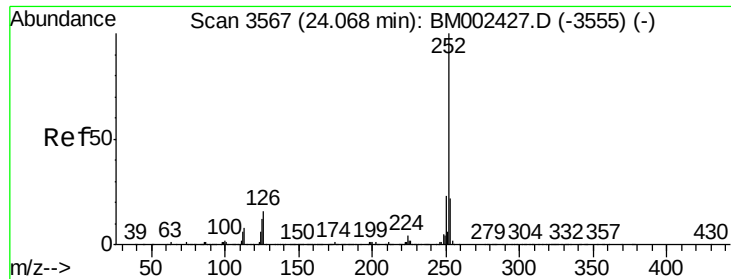
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#21
Chrysene
Concen: 6.78 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	309717		
226	29.3	23.4	35.2	
229	22.7	15.7	23.5	





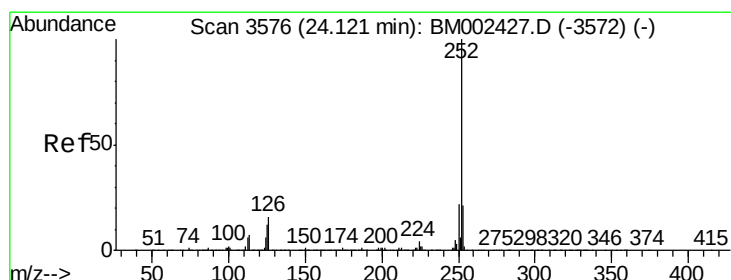
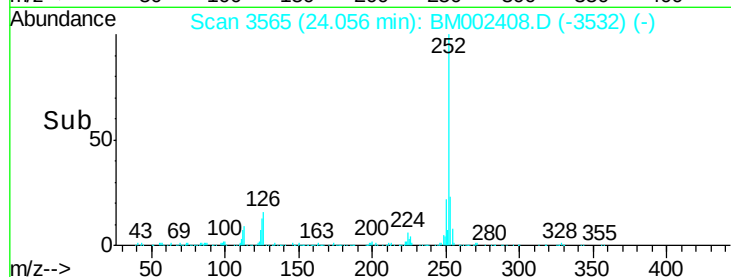
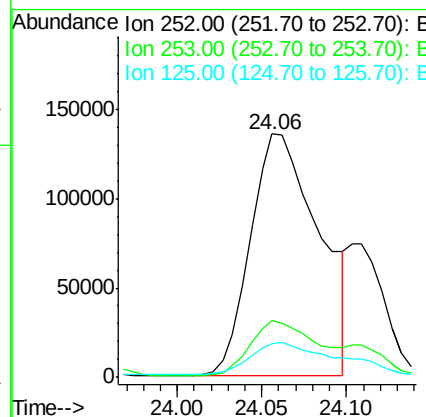
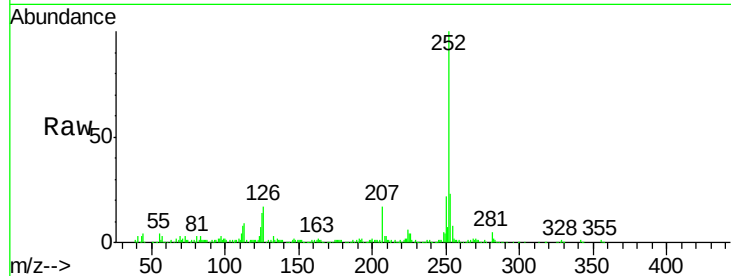
#23
Benzo(b)fluoranthene
Concen: 9.07 ng/ul
RT: 24.06 min Scan# 3565
Delta R.T. -0.01 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Instrument :
BNA_M
ClientSampleId :
D9D92

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.6	10.0	15.0

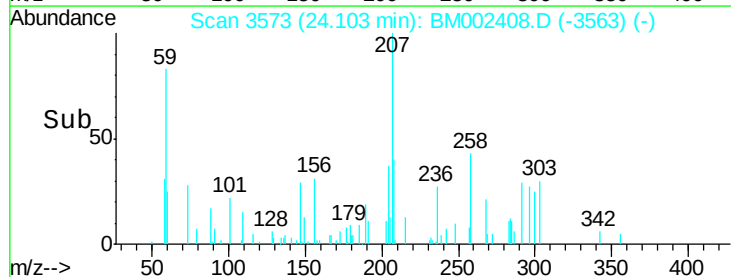
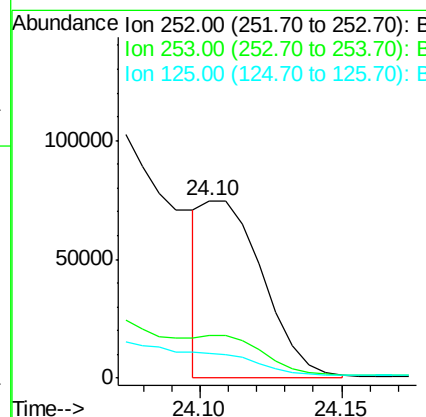
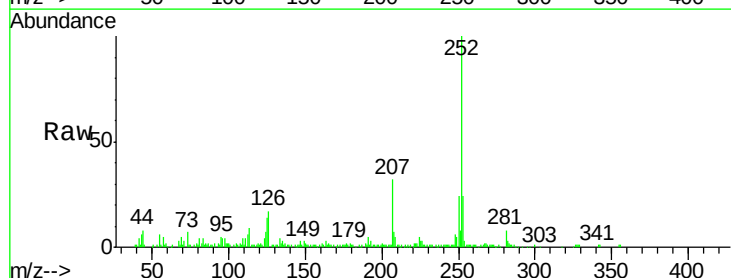
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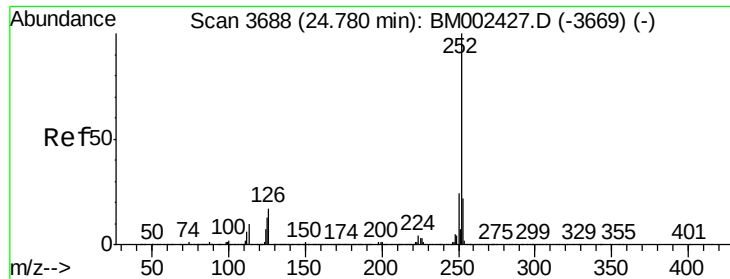
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#24
Benzo(k)fluoranthene
Concen: 2.77 ng/ul m
RT: 24.10 min Scan# 3573
Delta R.T. -0.01 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	13.6	9.8	14.8





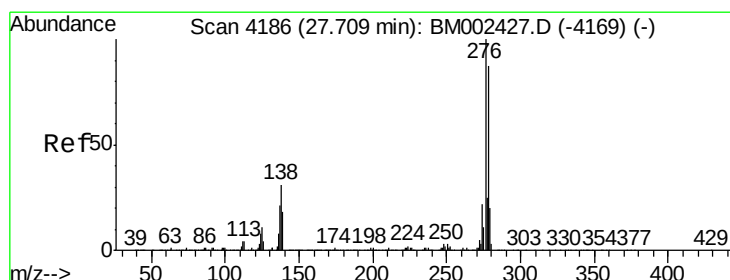
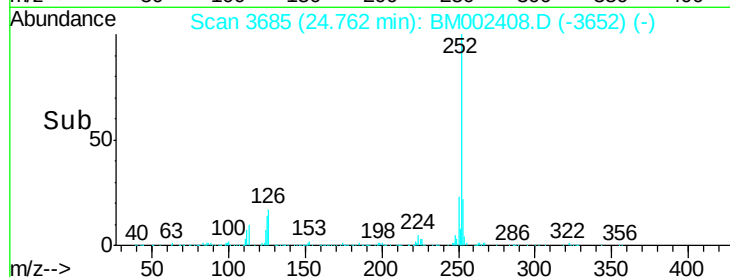
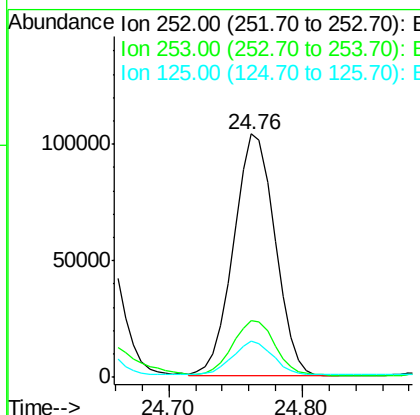
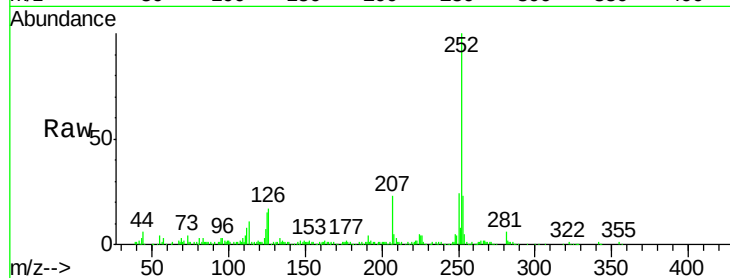
#26
Benzo(a)pyrene
Concen: 5.58 ng/ul
RT: 24.76 min Scan# 3685
Delta R.T. -0.01 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Instrument :
BNA_M
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D9D92

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	224698		
253	23.3	17.6	26.4	
125	14.8	10.7	16.1	

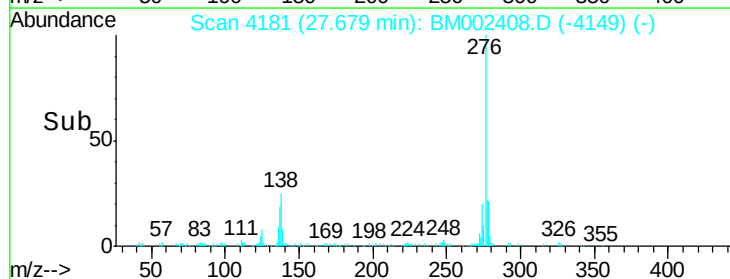
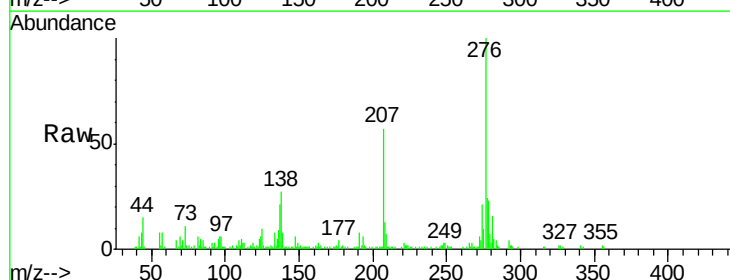
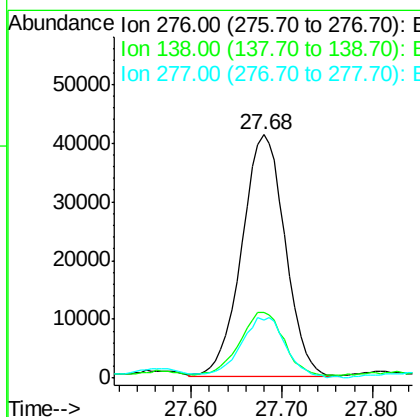
Manual Integrations
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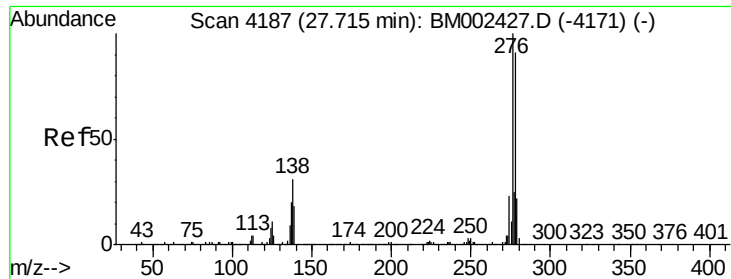
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#27
Indeno(1,2,3-cd)pyrene
Concen: 2.93 ng/ul
RT: 27.68 min Scan# 4181
Delta R.T. -0.01 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	135762		
138	26.8	25.3	37.9	
277	23.9	20.2	30.2	





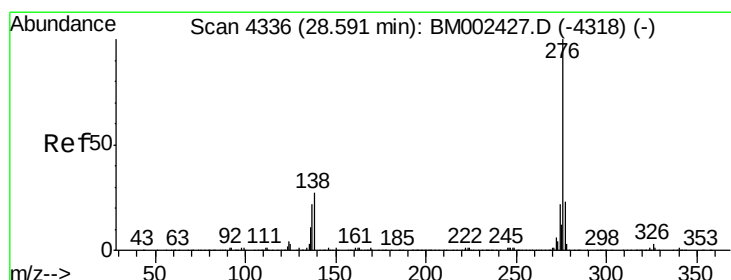
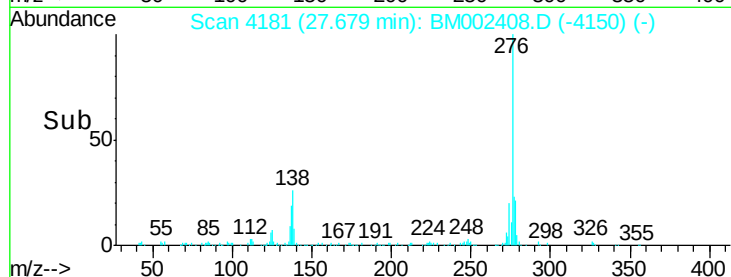
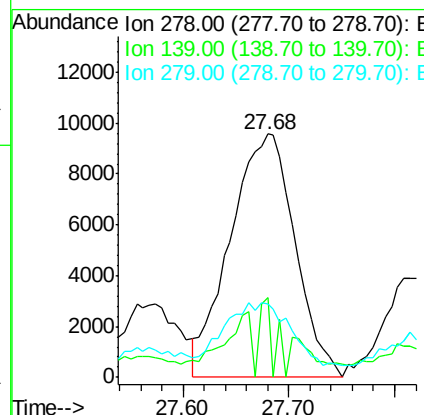
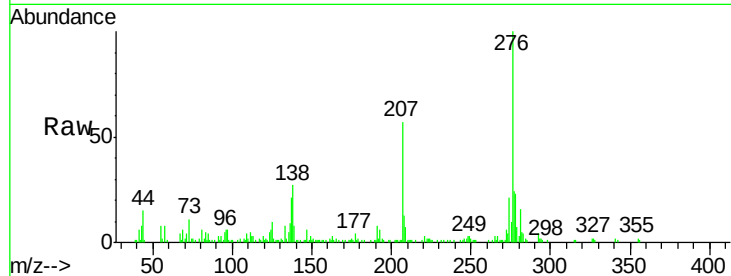
#28
Dibenzo(a,h)anthracene
Concen: 1.05 ng/ul
RT: 27.68 min Scan# 4181
Delta R.T. -0.02 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Instrument :
BNA_M
ClientSampleId :
D9D92

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.7	16.5	24.7#
279	30.4	18.8	28.2#

Manual Integrations
APPROVED

MMDadoda
8/17/2015 2:44:31 PM



#29
Benzo(g,h,i)perylene
Concen: 3.12 ng/ul
RT: 28.56 min Scan# 4330
Delta R.T. -0.01 min
Lab File: BM002408.D
Acq: 15 Aug 2015 04:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.3	21.0	31.6
277	26.8	19.2	28.8

