

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
 Data File : BM002382.D
 Acq On : 13 Aug 2015 04:02
 Operator : UM/IZ
 Sample : G3194-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9D83

Manual Integrations
 APPROVED

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Quant Time: Aug 13 05:13:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 05:08:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.90	152	177788	20.00	ng/ul	0.00
2) Naphthalene-d8	11.77	136	794076	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.49	164	388807	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.20	188	698400	20.00	ng/ul	0.00
17) Chrysene-d12	22.28	240	490697	20.00	ng/ul	0.00
22) Perylene-d12	24.98	264	476685	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.19	160	692288	17.19	ng/ul	0.00
10) Fluorene-d10	16.46	176	453283	16.18	ng/ul	0.00
14) Anthracene-d10	18.29	188	583101	17.21	ng/ul	0.00
18) Pyrene-d10	20.51	212	476715	20.03	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.80	264	406064	16.04	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) 2-Methylnaphthalene	13.37	142	34150	1.14	ng/ul	95
13) Phenanthrene	18.24	178	64717	1.61	ng/ul	99
16) Fluoranthene	20.18	202	75170	1.69	ng/ul	100
19) Pyrene	20.54	202	66218	2.09	ng/ul	98
20) Benzo(a)anthracene	22.26	228	42178	1.41	ng/ul#	93
21) Chrysene	22.32	228	51912	1.83	ng/ul#	92
23) Benzo(b)fluoranthene	24.14	252	63470	2.14	ng/ul#	89
26) Benzo(a)pyrene	24.86	252	41624	1.47	ng/ul#	87
27) Indeno(1,2,3-cd)pyrene	27.84	276	32982m	1.01	ng/ul	
29) Benzo(g,h,i)perylene	28.72	276	57828	2.11	ng/ul	93

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

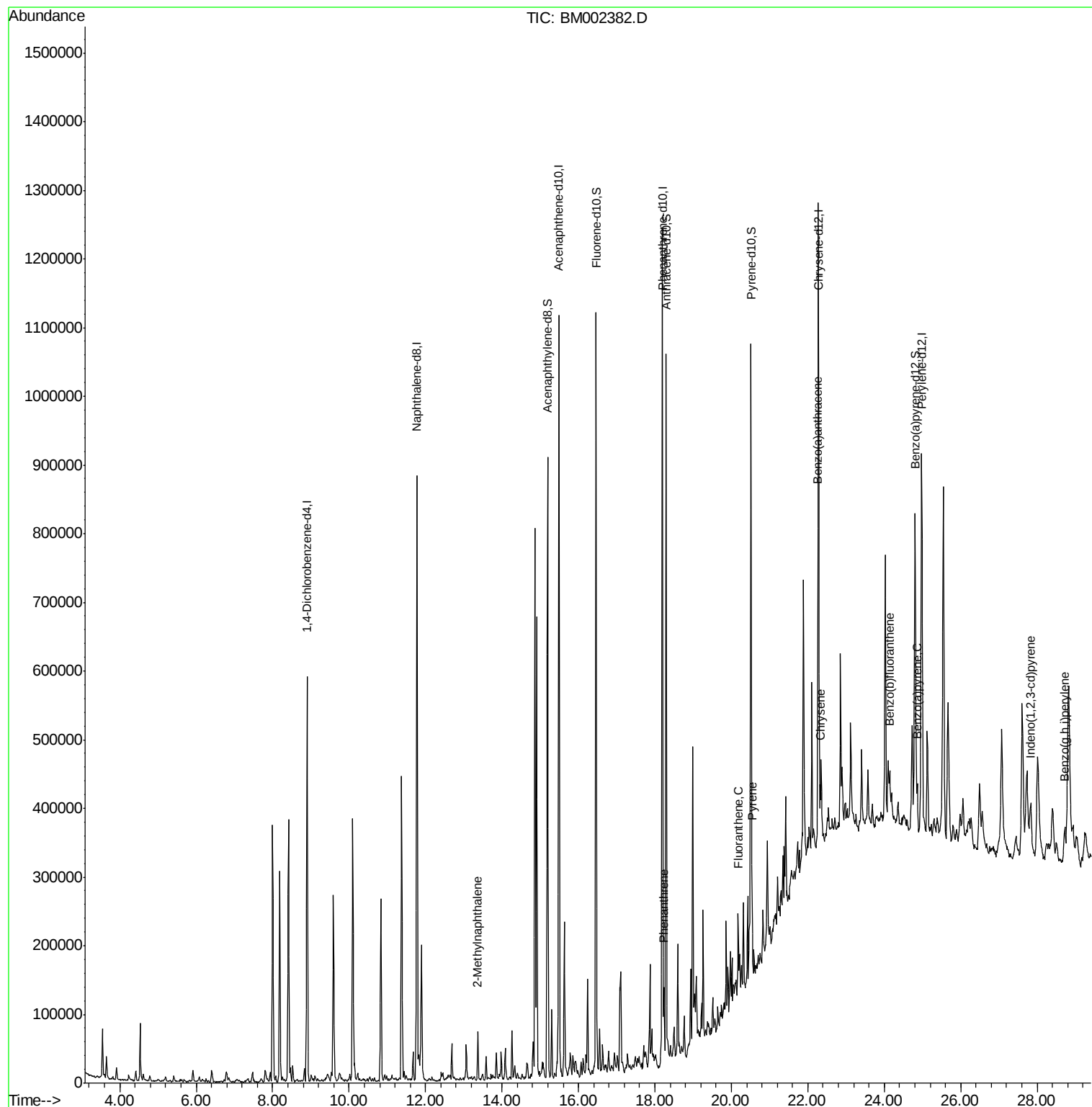
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081315\
Data File : BM002382.D
Acq On : 13 Aug 2015 04:02
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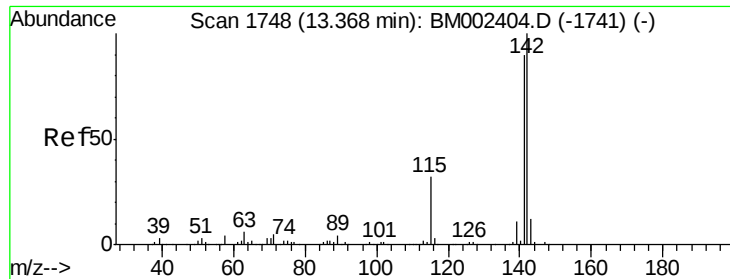
Instrument :
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Quant Time: Aug 13 05:13:30 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080715MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 05:08:41 2015
Response via : Initial Calibration





#4

2-Methylnaphthalene

Concen: 1.14 ng/ul

RT: 13.37 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

Instrument :

BNA_M

ClientSampleId :

D9D83

Tgt Ion:142 Resp: 34150

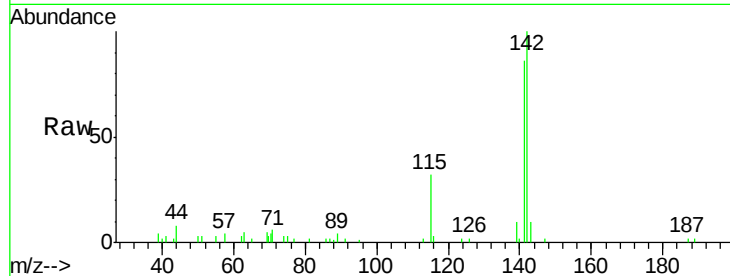
Ion Ratio Lower Upper

142 100

141 85.6 72.5 108.7

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

15000

10000

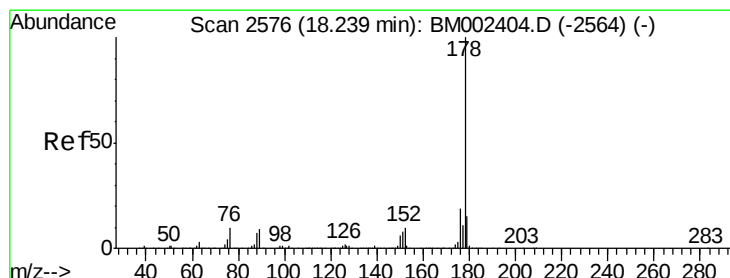
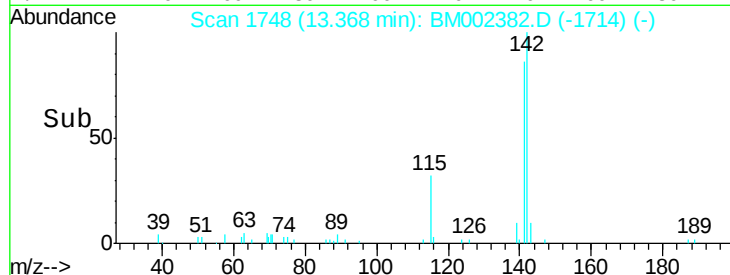
5000

0

Time--> 13.30

13.35

13.40



#13

Phenanthrene

Concen: 1.61 ng/ul

RT: 18.24 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BM002382.D

Acq: 13 Aug 2015 04:02

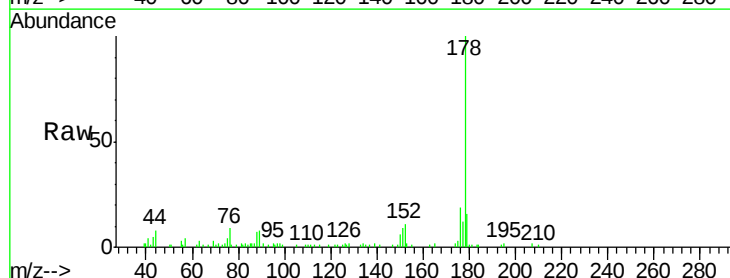
Tgt Ion:178 Resp: 64717

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 18.8 15.3 22.9



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

60000

50000

40000

30000

20000

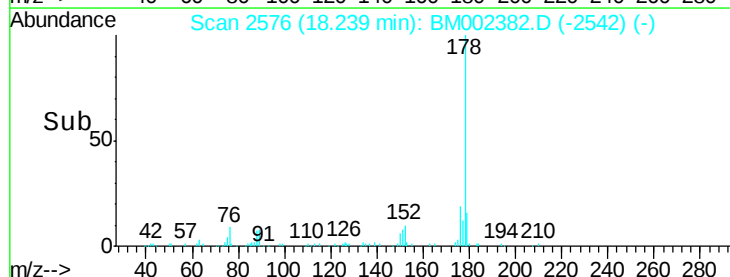
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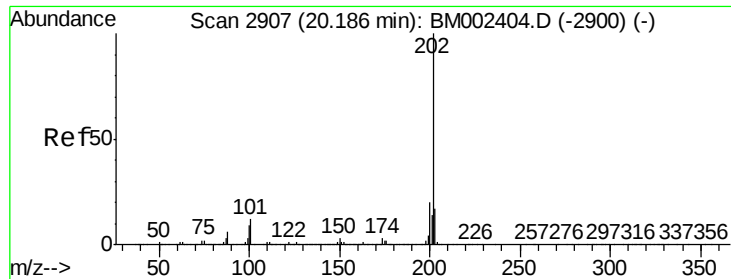
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Time--> 18.20

18.25

18.30





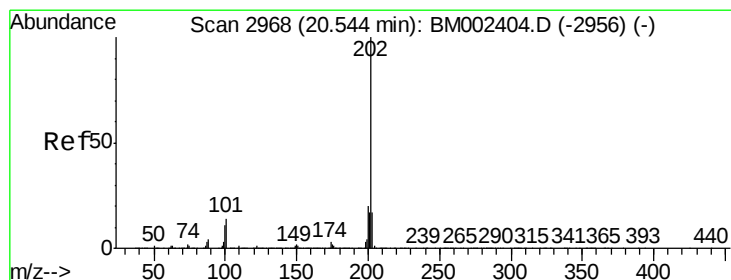
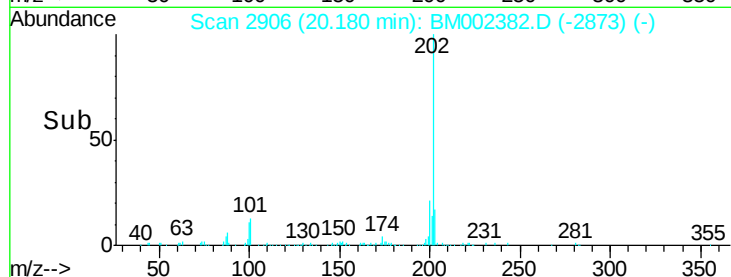
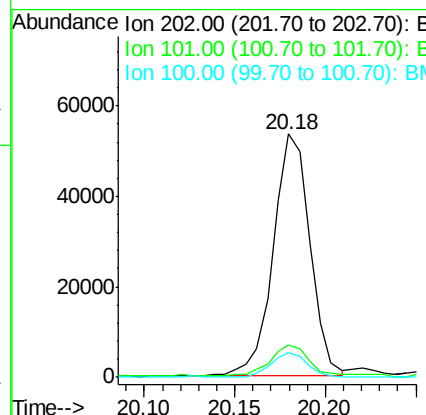
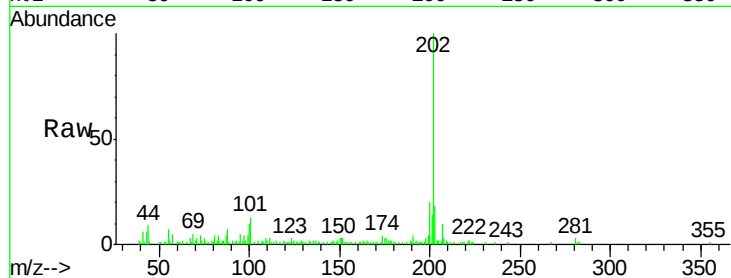
#16
Fluoranthene
 Concen: 1.69 ng/ul
 RT: 20.18 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: BM002382.D
 Acq: 13 Aug 2015 04:02

Instrument :
 BNA_M
 ClientSampleId :
 D9D83

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	75170		
101	13.4	10.6	15.8	
100	10.4	8.2	12.4	

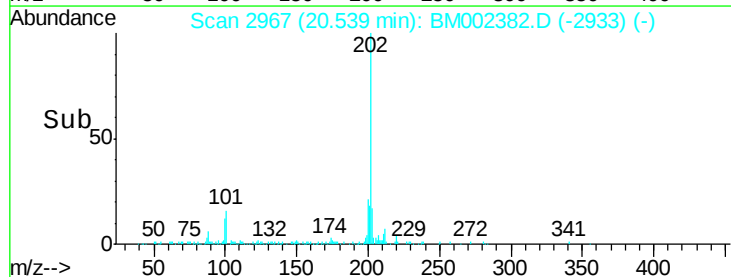
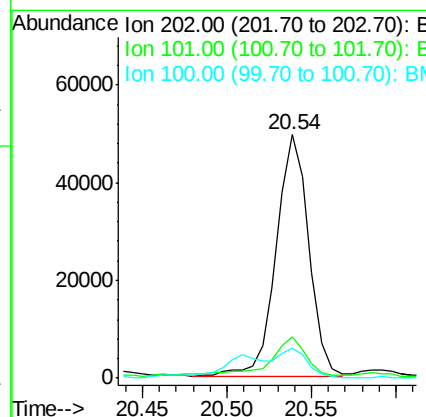
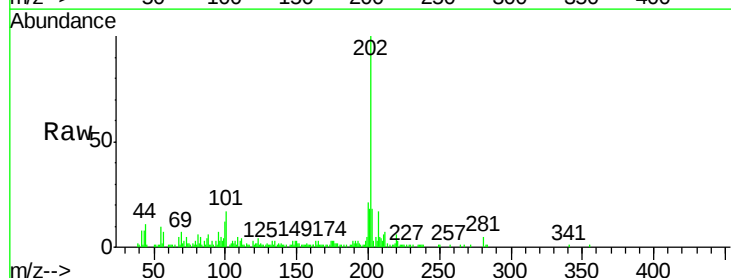
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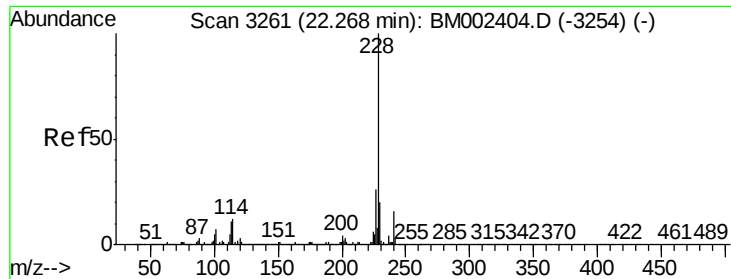
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#19
Pyrene
 Concen: 2.09 ng/ul
 RT: 20.54 min Scan# 2967
 Delta R.T. -0.00 min
 Lab File: BM002382.D
 Acq: 13 Aug 2015 04:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	66218		
101	16.8	13.0	19.6	
100	12.3	11.0	16.4	





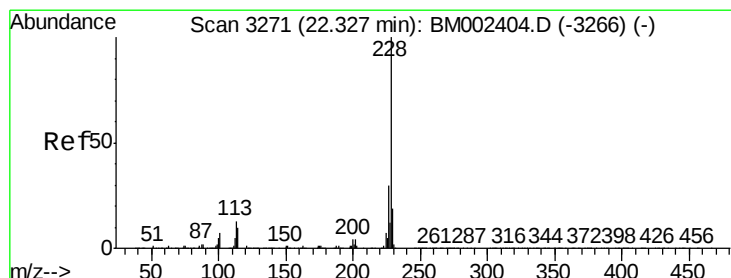
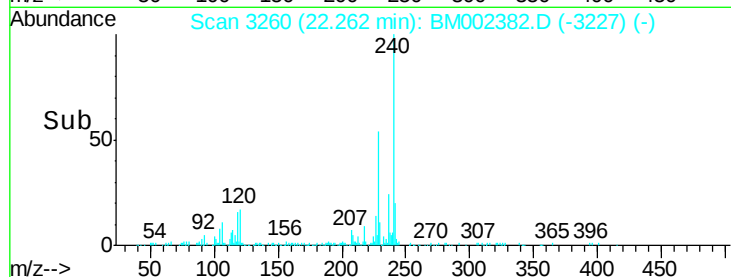
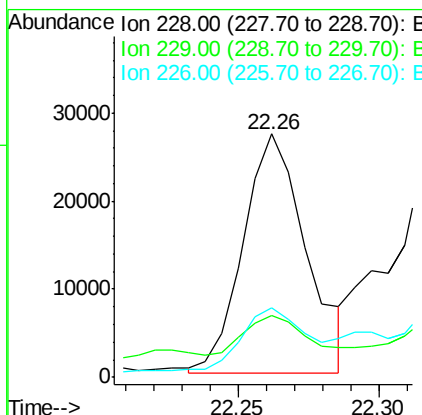
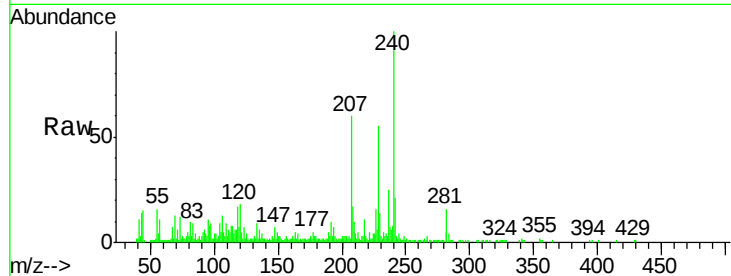
#20
Benzo(a)anthracene
Concen: 1.41 ng/ul
RT: 22.26 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BM002382.D
Acq: 13 Aug 2015 04:02

Instrument :
BNA_M
ClientSampleId :
D9D83

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	42178		
229	25.2	15.7	23.5#	
226	28.4	21.4	32.0	

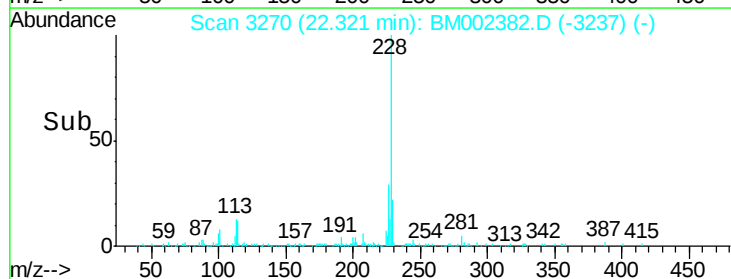
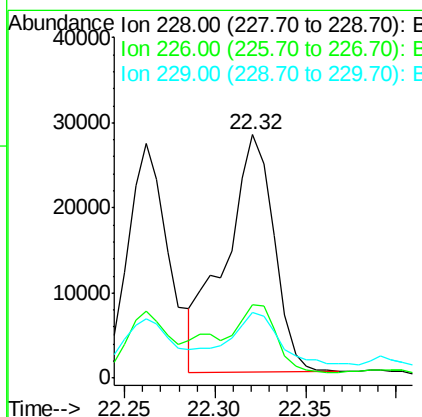
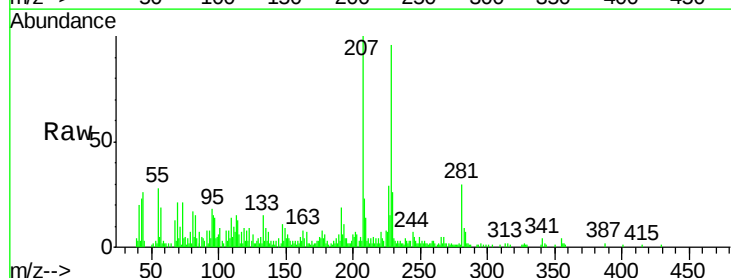
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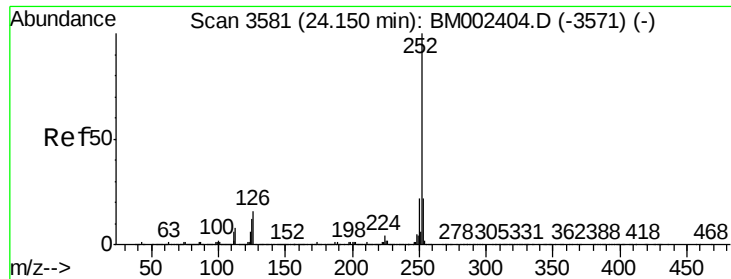
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#21
Chrysene
Concen: 1.83 ng/ul
RT: 22.32 min Scan# 3270
Delta R.T. -0.01 min
Lab File: BM002382.D
Acq: 13 Aug 2015 04:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	51912		
226	30.2	23.4	35.0	
229	26.8	15.5	23.3#	





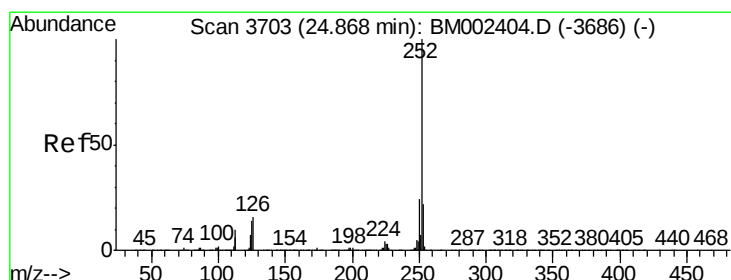
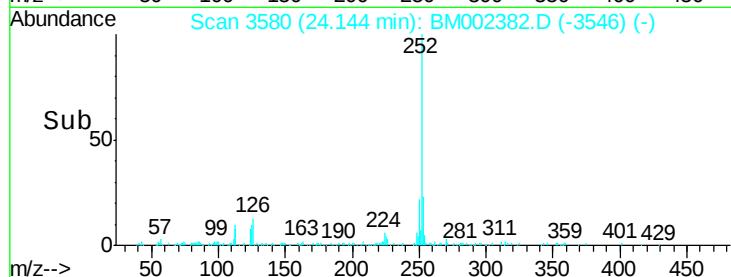
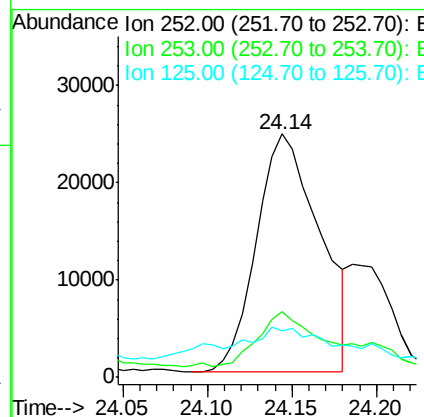
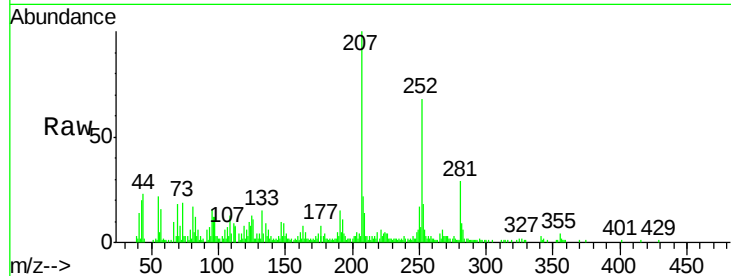
#23
Benzo(b)fluoranthene
Concen: 2.14 ng/ul
RT: 24.14 min Scan# 3580
Delta R.T. -0.00 min
Lab File: BM002382.D
Acq: 13 Aug 2015 04:02

Instrument :
BNA_M
ClientSampleId :
D9D83

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	18.9	10.3	15.5

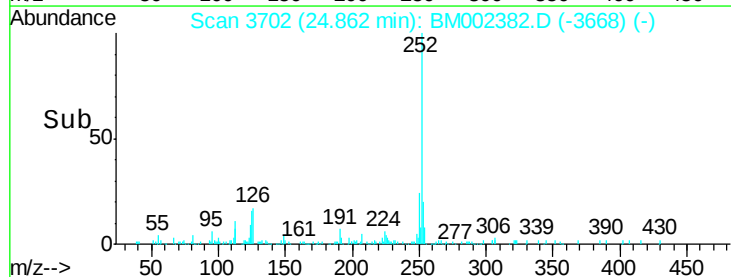
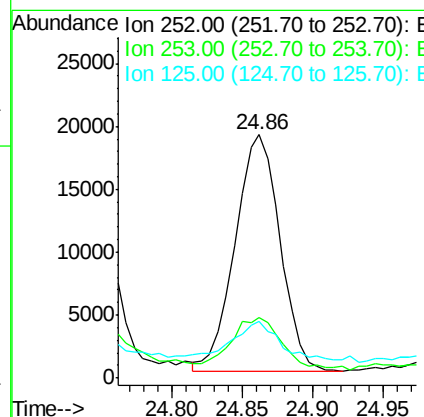
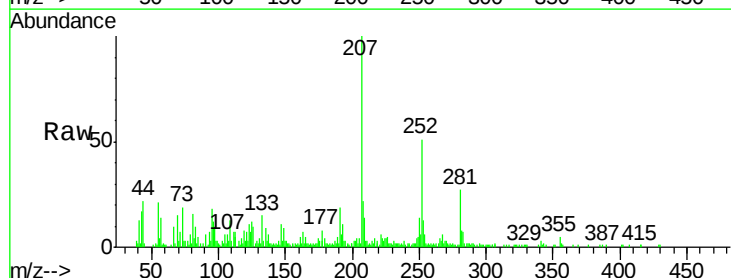
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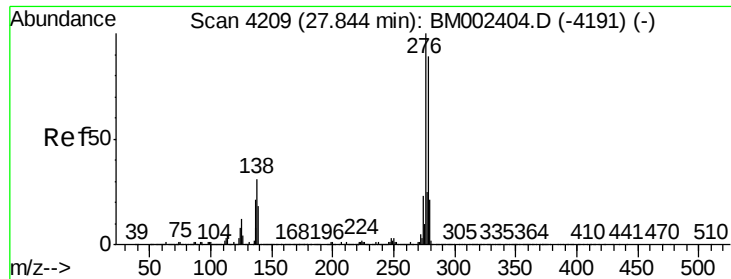
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#26
Benzo(a)pyrene
Concen: 1.47 ng/ul
RT: 24.86 min Scan# 3702
Delta R.T. -0.00 min
Lab File: BM002382.D
Acq: 13 Aug 2015 04:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	23.1	11.0	16.6





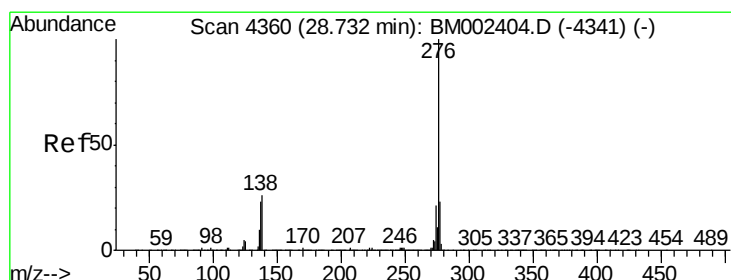
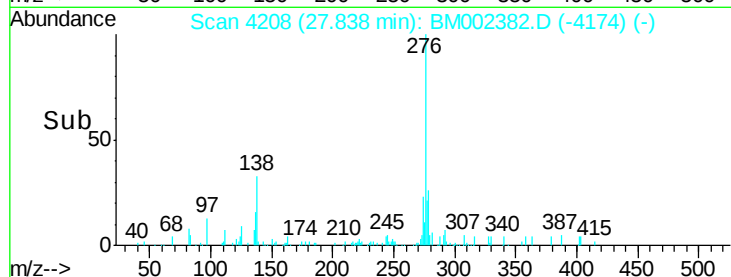
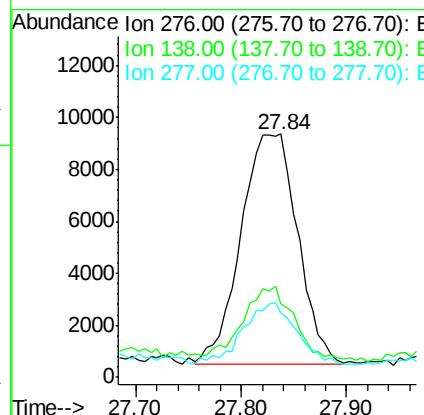
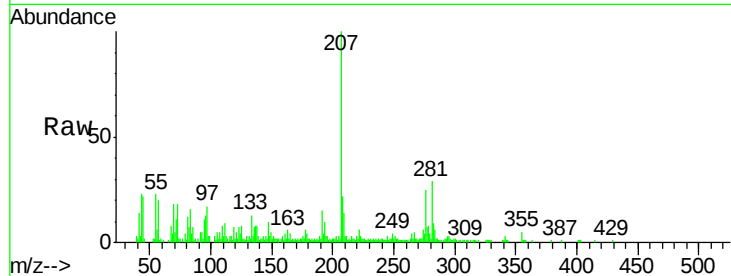
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.01 ng/ul m
 RT: 27.84 min Scan# 4208
 Delta R.T. -0.00 min
 Lab File: BM002382.D
 Acq: 13 Aug 2015 04:02

Instrument :
 BNA_M
 ClientSampleId :
 D9D83

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.2	25.6	38.4
277	26.4	21.0	31.4

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#29
 Benzo(g,h,i)perylene
 Concen: 2.11 ng/ul
 RT: 28.72 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: BM002382.D
 Acq: 13 Aug 2015 04:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.9	20.5	30.7
277	26.2	19.0	28.6

