

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002428.D
 Acq On : 15 Aug 2015 17:11
 Operator : UM/IZ
 Sample : G3194-16
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DB7

Manual Integrations
 APPROVED

MMDadoda
 8/17/2015 2:46:04 PM

Quant Time: Aug 17 05:21:52 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	179512	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	800503	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	413776	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	801092	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	546515	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	493042	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	1012549	23.93	ng/ul	0.00
10) Fluorene-d10	16.42	176	660655	22.23	ng/ul	0.00
14) Anthracene-d10	18.25	188	915462	23.69	ng/ul	0.00
18) Pyrene-d10	20.47	212	771332	31.84	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	599497	23.15	ng/ul	0.00
Target Compounds						
13) Phenanthrene	18.20	178	256529	5.55	ng/ul	Qvalue 100
15) Anthracene	18.29	178	49214	1.05	ng/ul	99
16) Fluoranthene	20.14	202	671741	12.83	ng/ul	99
19) Pyrene	20.50	202	584441	18.25	ng/ul	99
20) Benzo(a)anthracene	22.22	228	455391	13.93	ng/ul	99
21) Chrysene	22.27	228	539821	17.66	ng/ul	99
23) Benzo(b)fluoranthene	24.07	252	1021940	34.29	ng/ul	99
24) Benzo(k)fluoranthene	24.12	252	313474m	11.10	ng/ul	
26) Benzo(a)pyrene	24.78	252	584755	20.54	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.71	276	571298	17.45	ng/ul	94
28) Dibenzo(a,h)anthracene	27.71	278	185107	6.76	ng/ul#	94
29) Benzo(g,h,i)perylene	28.60	276	587694	21.56	ng/ul	100

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

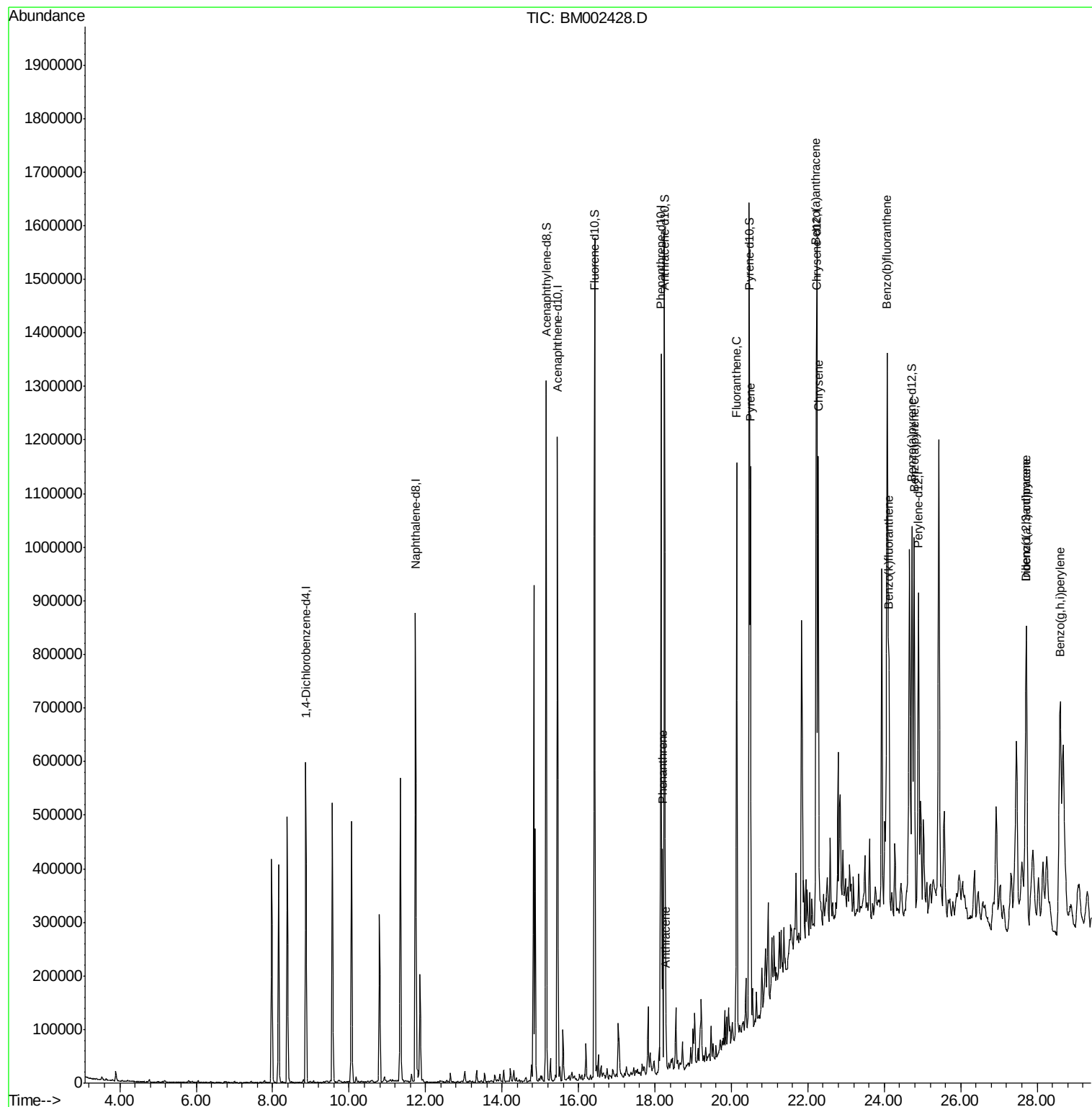
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
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Sample : G3194-16
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ALS Vial : 34 Sample Multiplier: 1

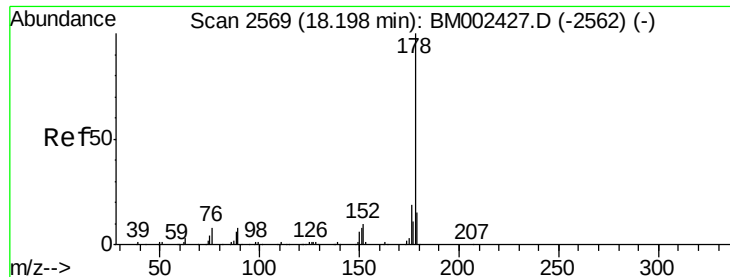
Instrument :
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Quant Time: Aug 17 05:21:52 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
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Response via : Initial Calibration





#13

Phenanthrene

Concen: 5.55 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

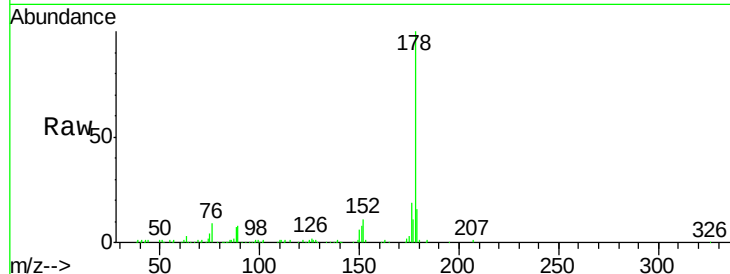
ClientSampleId :

D9DB7

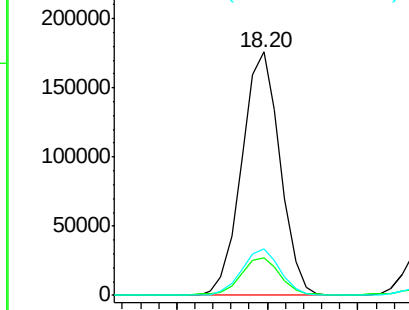
Tgt Ion:	178	Resp:	256529
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.4	18.6
176	18.8	15.1	22.7

Manual Integrations
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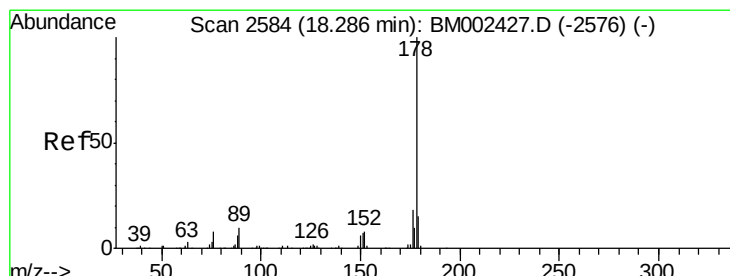
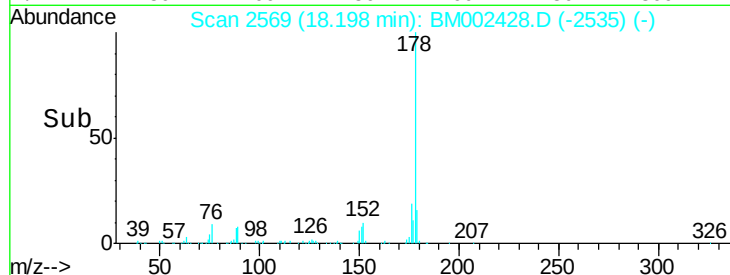
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->



#15

Anthracene

Concen: 1.05 ng/ul

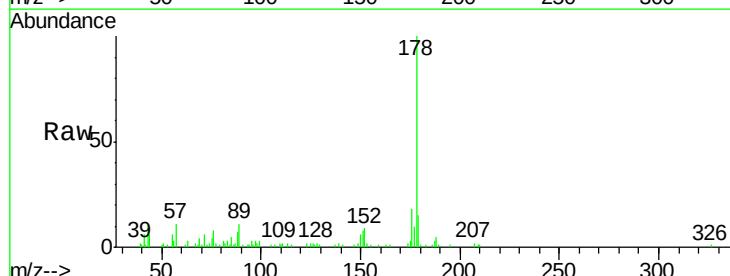
RT: 18.29 min Scan# 2584

Delta R.T. 0.00 min

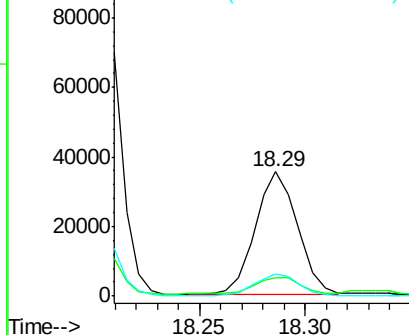
Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

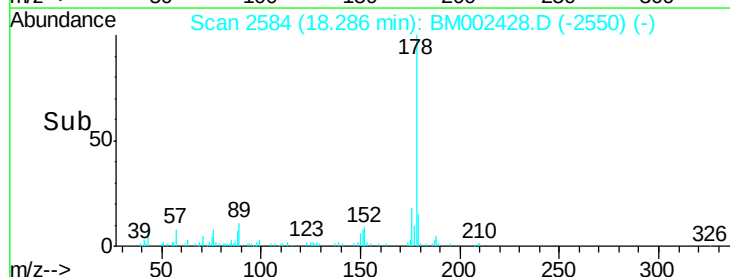
Tgt Ion:	178	Resp:	49214
Ion Ratio	Lower	Upper	
178	100		
179	15.1	12.6	18.8
176	18.3	14.5	21.7

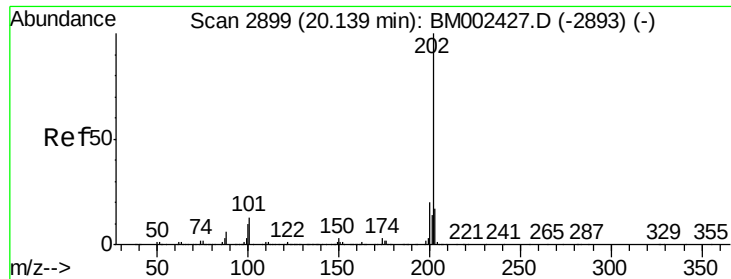


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





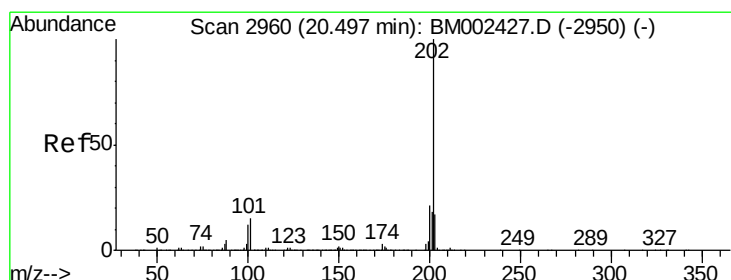
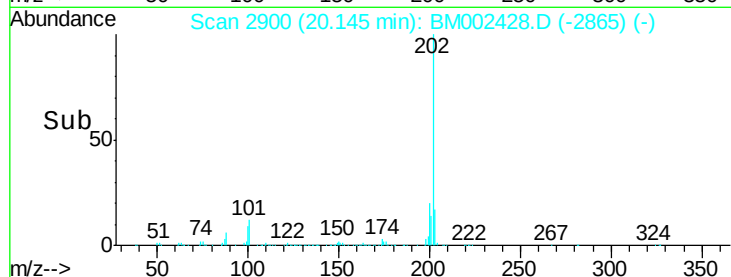
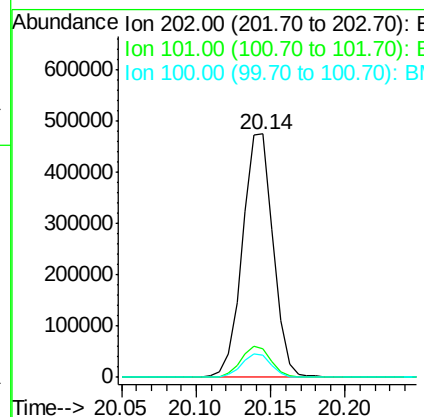
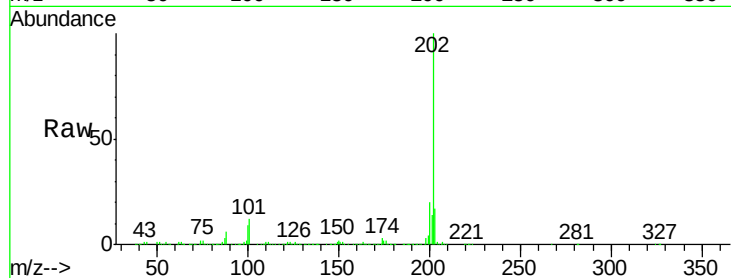
#16
 Fluoranthene
 Concen: 12.83 ng/ul
 RT: 20.14 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BM002428.D
 Acq: 15 Aug 2015 17:11

Instrument :
 BNA_M
 ClientSampleId :
 D9DB7

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.9	9.7	14.5
100	9.0	7.4	11.2

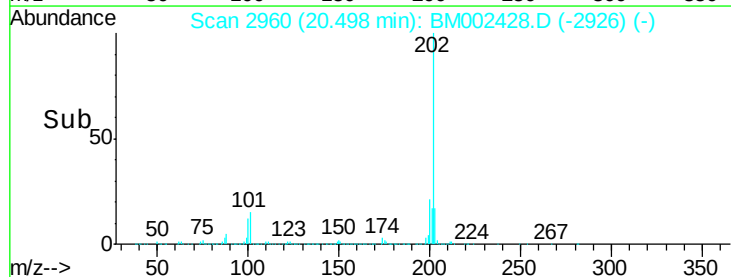
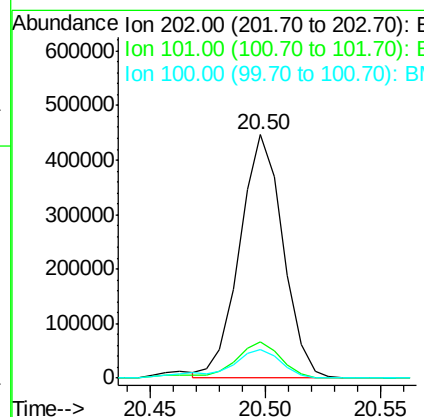
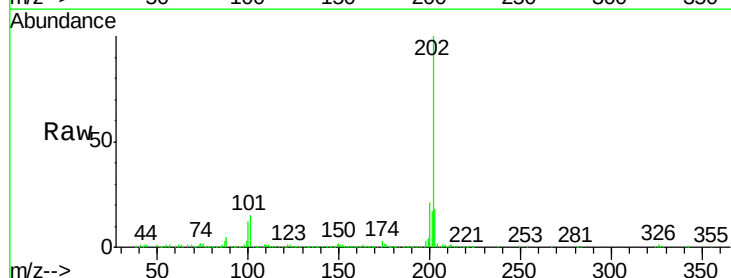
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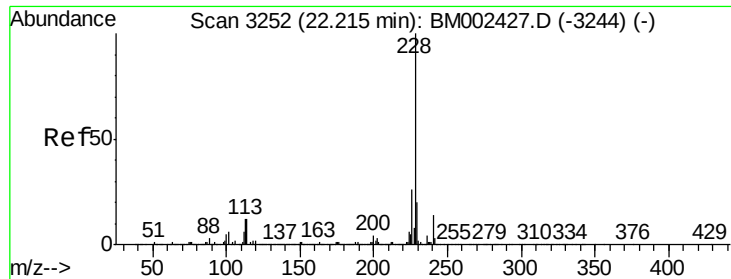
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#19
 Pyrene
 Concen: 18.25 ng/ul
 RT: 20.50 min Scan# 2960
 Delta R.T. 0.00 min
 Lab File: BM002428.D
 Acq: 15 Aug 2015 17:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.1	12.0	18.0
100	11.7	9.7	14.5





#20

Benzo(a)anthracene

Concen: 13.93 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

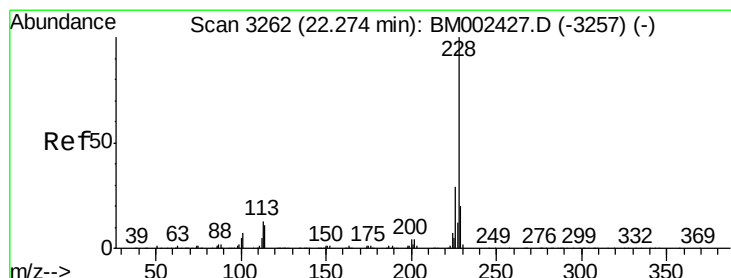
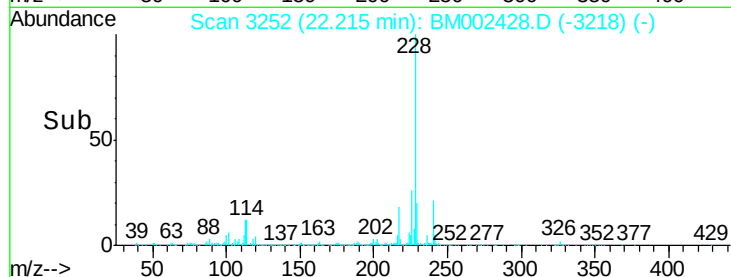
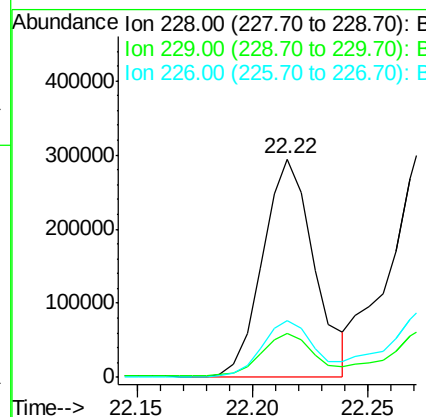
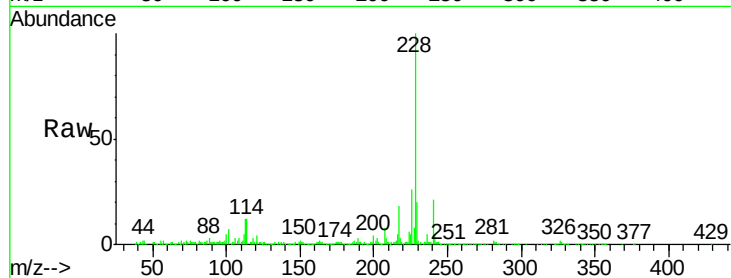
ClientSampleId :

D9DB7

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	455391		
229	20.4	15.8	23.6	
226	26.1	21.1	31.7	

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#21

Chrysene

Concen: 17.66 ng/ul

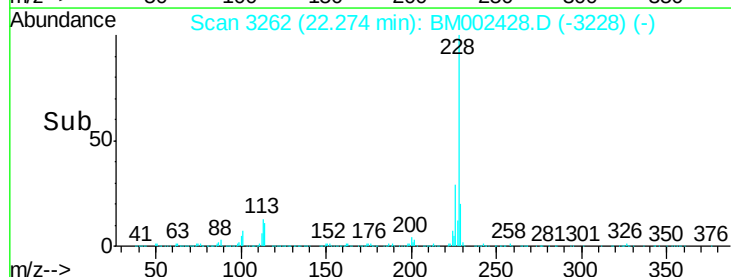
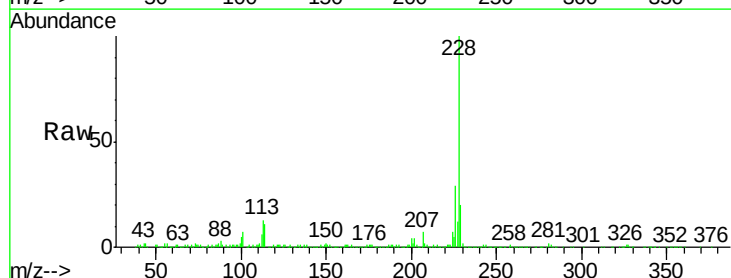
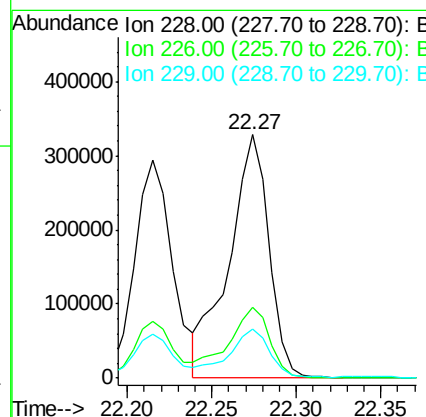
RT: 22.27 min Scan# 3262

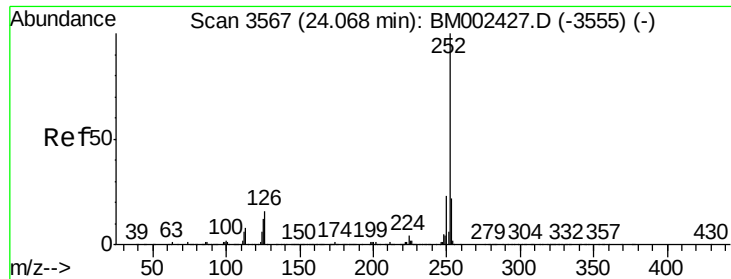
Delta R.T. 0.00 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	539821		
226	29.3	23.4	35.2	
229	20.4	15.7	23.5	





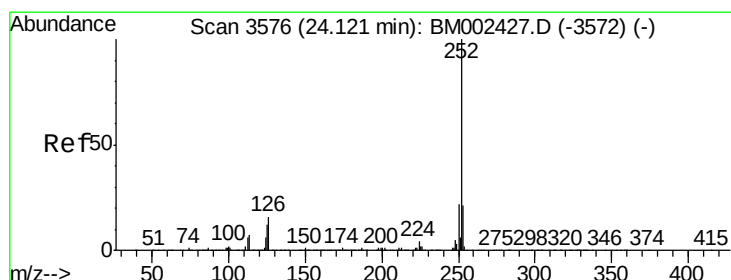
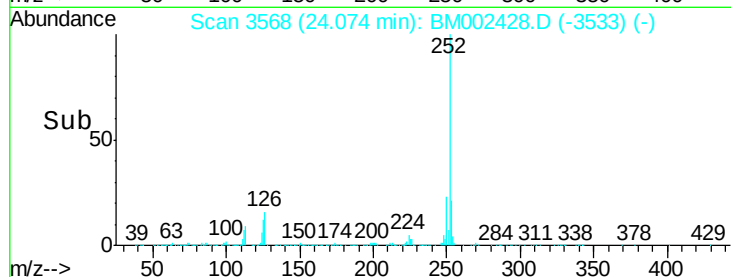
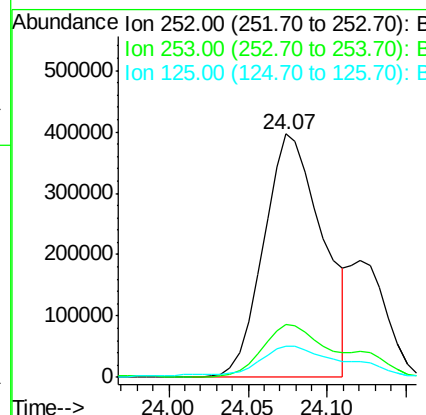
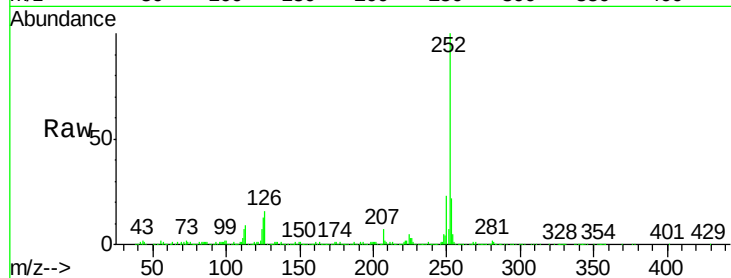
#23
Benzo(b)fluoranthene
Concen: 34.29 ng/ul
RT: 24.07 min Scan# 3568
Delta R.T. 0.01 min
Lab File: BM002428.D
Acq: 15 Aug 2015 17:11

Instrument :
BNA_M
ClientSampleId :
D9DB7

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	12.9	10.0	15.0

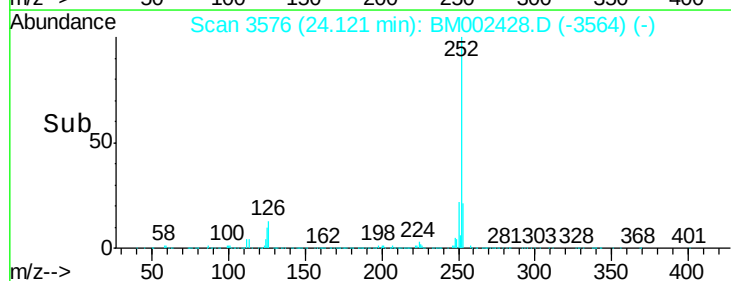
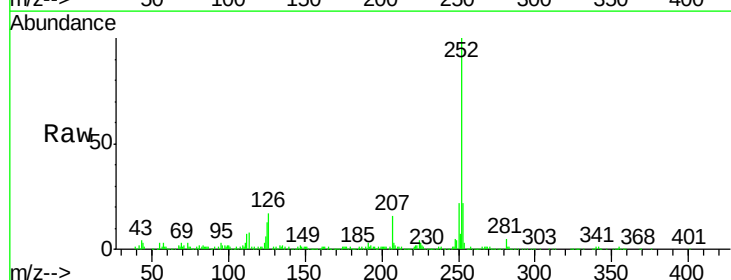
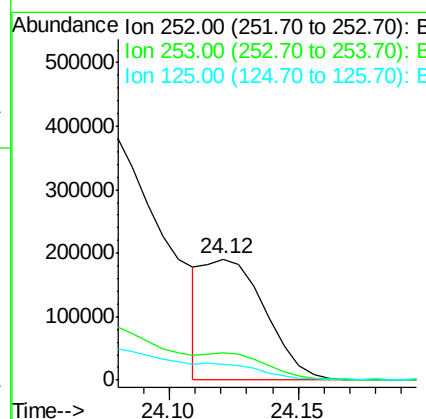
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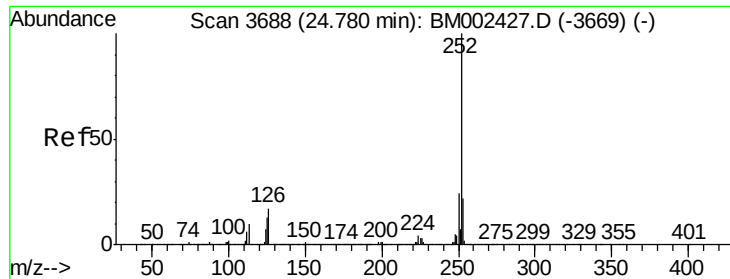
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#24
Benzo(k)fluoranthene
Concen: 11.10 ng/ul m
RT: 24.12 min Scan# 3576
Delta R.T. 0.00 min
Lab File: BM002428.D
Acq: 15 Aug 2015 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	13.4	9.8	14.8





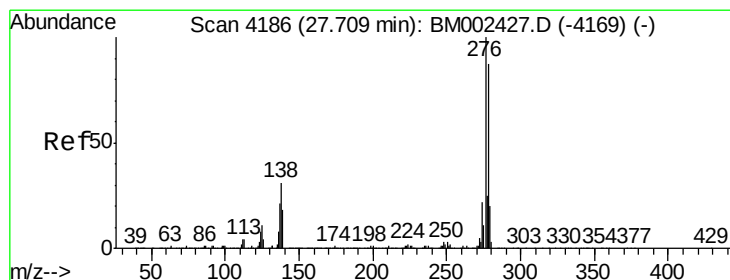
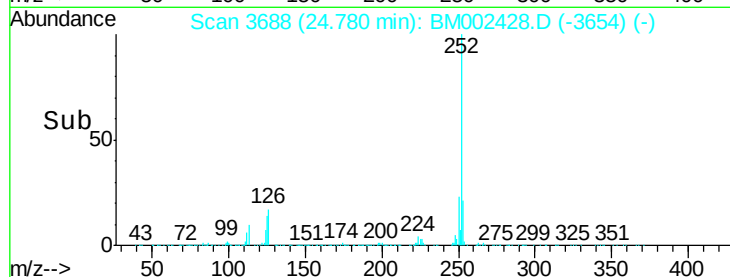
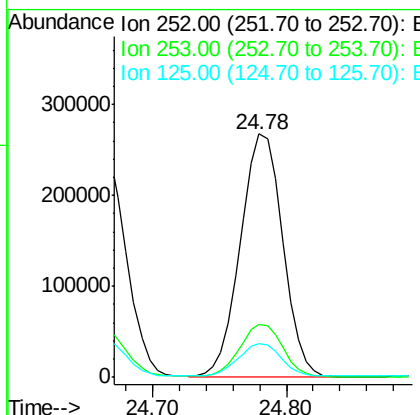
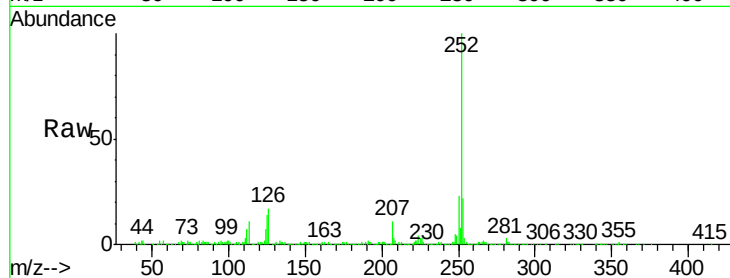
#26
Benzo(a)pyrene
Concen: 20.54 ng/ul
RT: 24.78 min Scan# 3688
Delta R.T. 0.00 min
Lab File: BM002428.D
Acq: 15 Aug 2015 17:11

Instrument :
BNA_M
ClientSampleId :
D9DB7

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.7	17.6	26.4
125	14.1	10.7	16.1

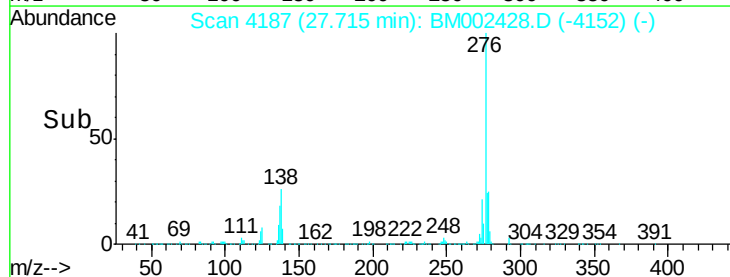
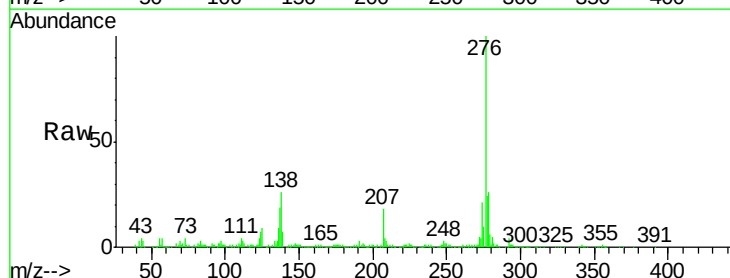
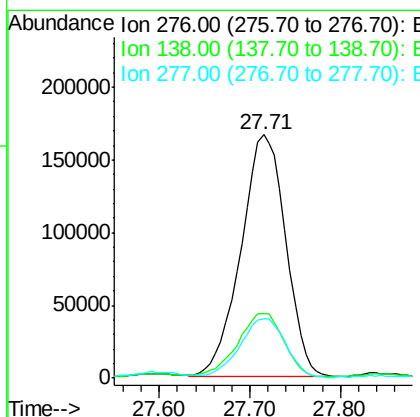
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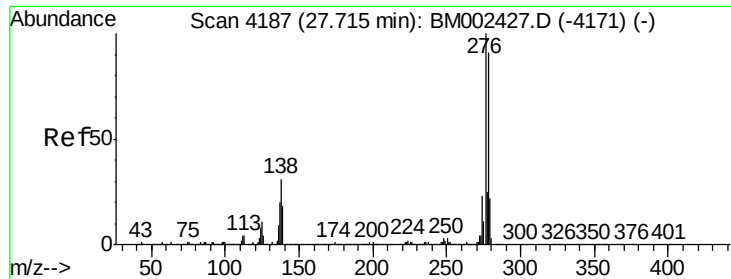
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#27
Indeno(1,2,3-cd)pyrene
Concen: 17.45 ng/ul
RT: 27.71 min Scan# 4187
Delta R.T. 0.01 min
Lab File: BM002428.D
Acq: 15 Aug 2015 17:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.3	25.3	37.9
277	24.4	20.2	30.2





#28

Dibenzo(a,h)anthracene

Concen: 6.76 ng/ul

RT: 27.71 min Scan# 4186

Delta R.T. -0.01 min

Lab File: BM002428.D

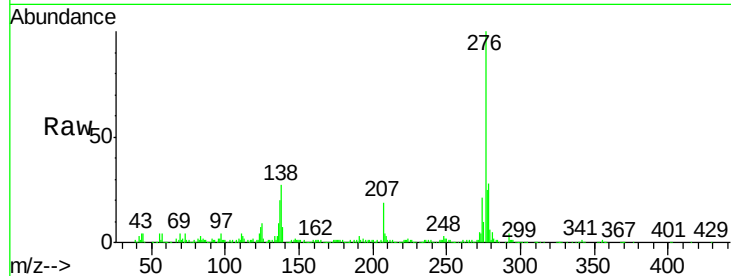
Acq: 15 Aug 2015 17:11

Instrument :

BNA_M

ClientSampleId :

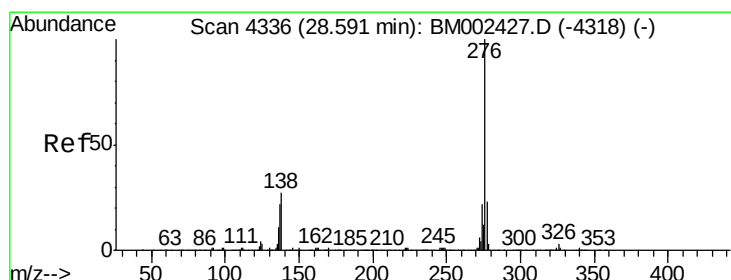
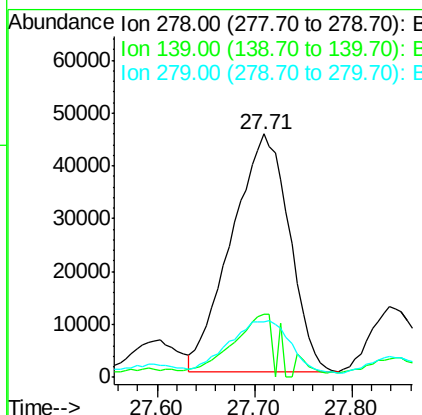
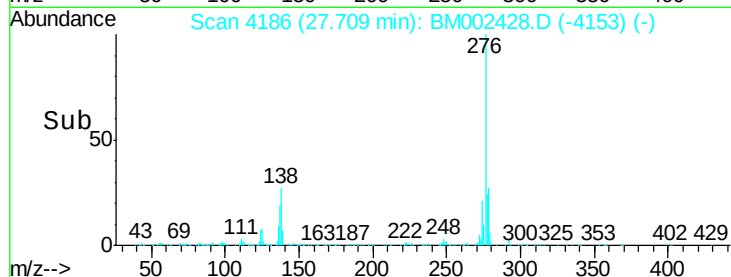
D9DB7



Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	16.5	24.7#
279	22.8	18.8	28.2

Manual Integrations
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#29

Benzo(g,h,i)perylene

Concen: 21.56 ng/ul

RT: 28.60 min Scan# 4338

Delta R.T. 0.01 min

Lab File: BM002428.D

Acq: 15 Aug 2015 17:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	21.0	31.6
277	24.0	19.2	28.8

