

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
 Data File : BM002432.D
 Acq On : 15 Aug 2015 19:37
 Operator : UM/IZ
 Sample : G3219-11
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4

Manual Integrations
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Quant Time: Aug 17 05:47:40 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	174470	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	790605	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	424685	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	833962	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	551490	20.00	ng/ul	0.00
22) Perylene-d12	24.91	264	550924m	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	582407	13.41	ng/ul	0.00
10) Fluorene-d10	16.42	176	386373	12.67	ng/ul	0.00
14) Anthracene-d10	18.26	188	517772	12.87	ng/ul	0.00
18) Pyrene-d10	20.47	212	419718	17.17	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	318302m	11.00	ng/ul	0.02
Target Compounds						
13) Phenanthrene	18.20	178	328395	6.82	ng/ul	Qvalue 100
15) Anthracene	18.29	178	66962	1.37	ng/ul	99
16) Fluoranthene	20.14	202	1307053	23.97	ng/ul	99
19) Pyrene	20.50	202	1285755	39.80	ng/ul	99
20) Benzo(a)anthracene	22.22	228	1520217	46.10	ng/ul	99
21) Chrysene	22.28	228	1822338	59.08	ng/ul	97
23) Benzo(b)fluoranthene	24.10	252	3715866m	111.57	ng/ul	
24) Benzo(k)fluoranthene	24.14	252	1263547m	40.03	ng/ul	
26) Benzo(a)pyrene	24.81	252	2408694m	75.72	ng/ul	
27) Indeno(1,2,3-cd)pyrene	27.77	276	2188901m	59.83	ng/ul	
28) Dibenzo(a,h)anthracene	27.76	278	754504m	24.67	ng/ul	
29) Benzo(g,h,i)perylene	28.66	276	2007839m	65.93	ng/ul	

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

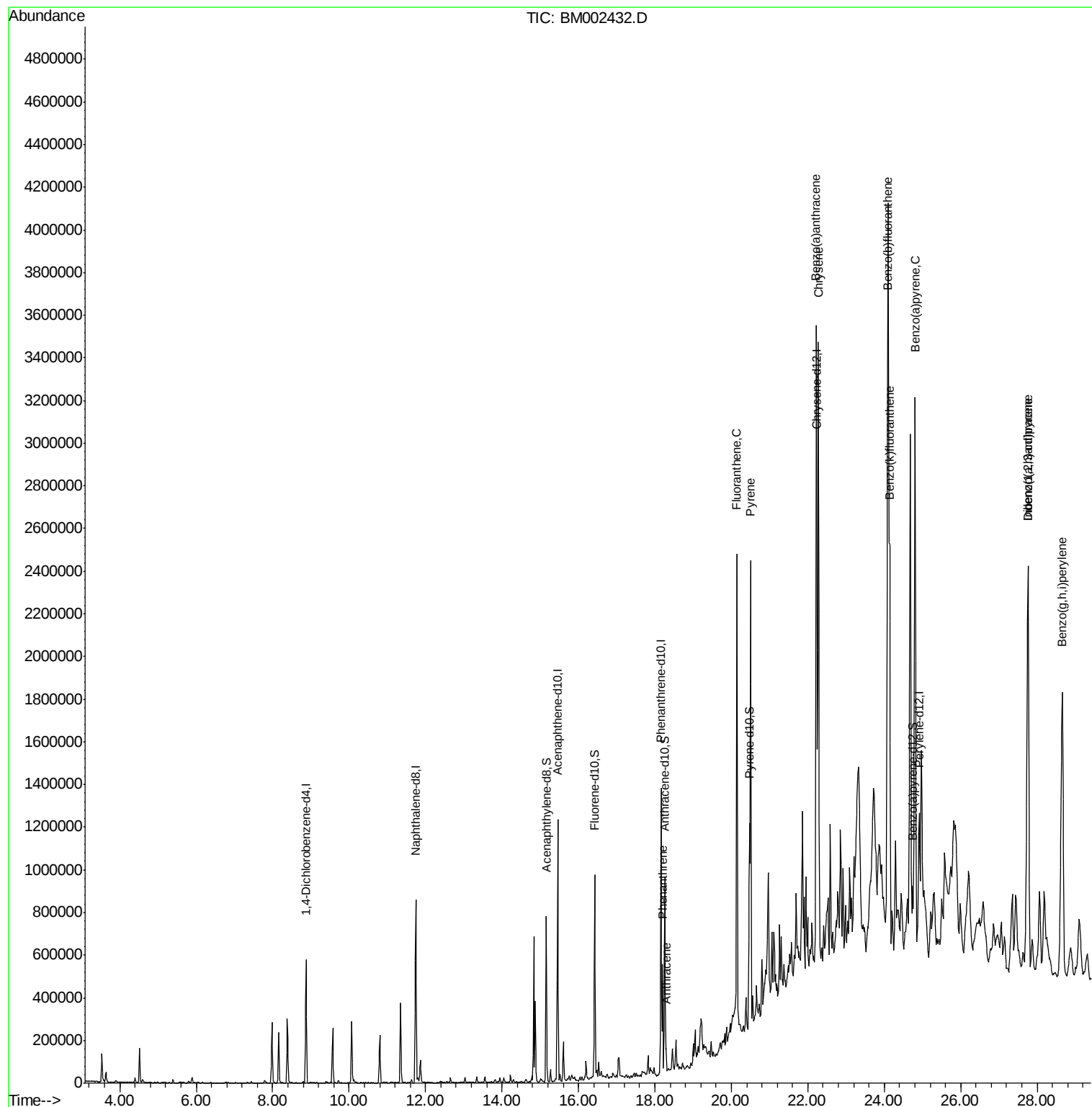
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081415\
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ALS Vial : 38 Sample Multiplier: 1

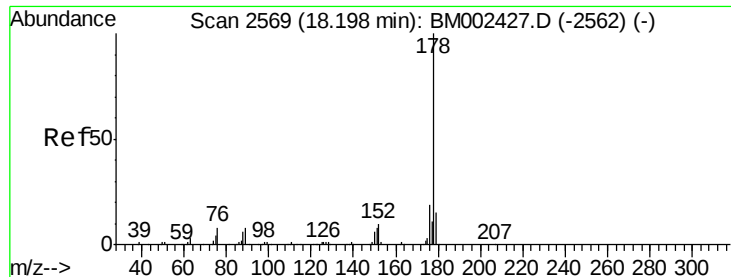
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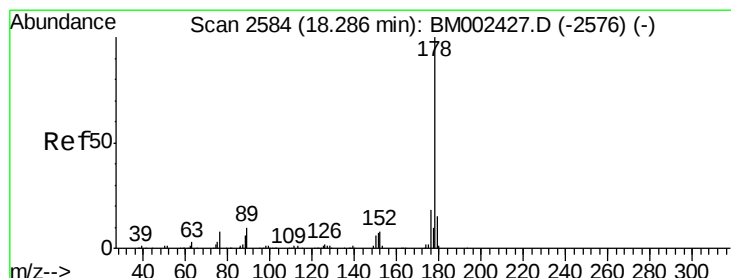
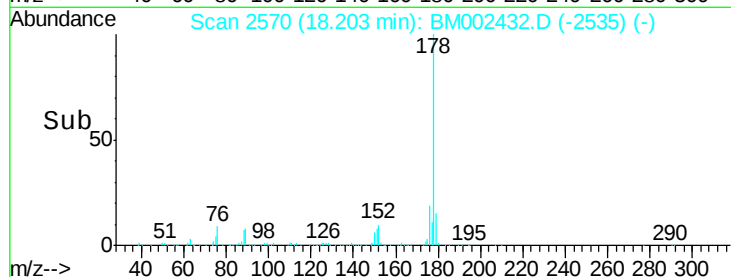
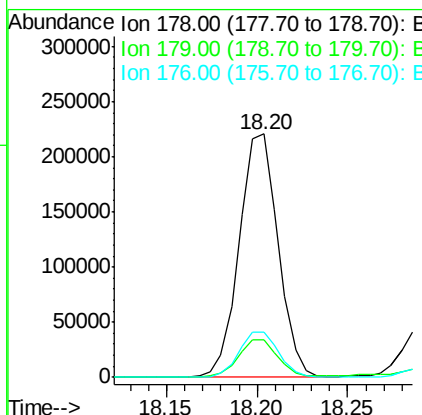
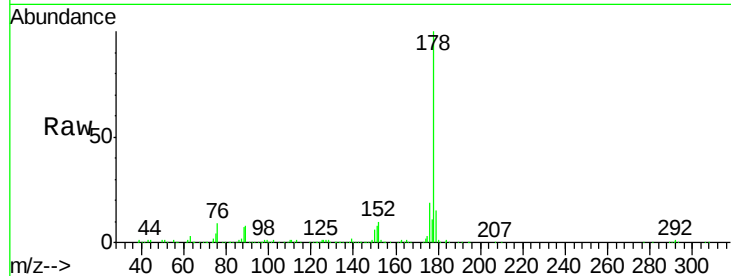
#13
Phenanthrene
Concen: 6.82 ng/ul
RT: 18.20 min Scan# 2570
Delta R.T. 0.01 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Instrument :
BNA_M
ClientSampleId :
D9DA4

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	328395		
179	15.5	12.4	18.6	
176	18.7	15.1	22.7	

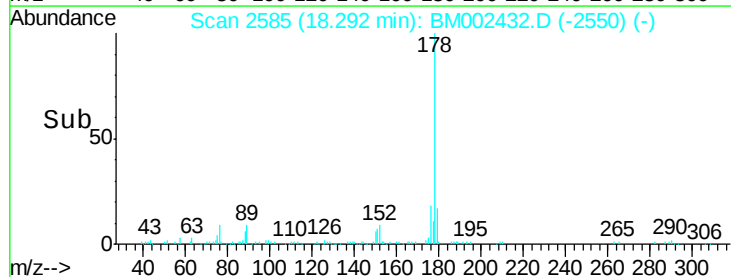
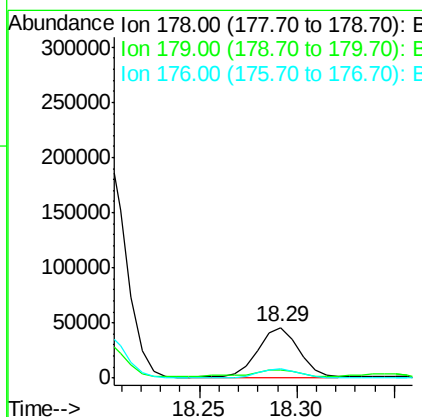
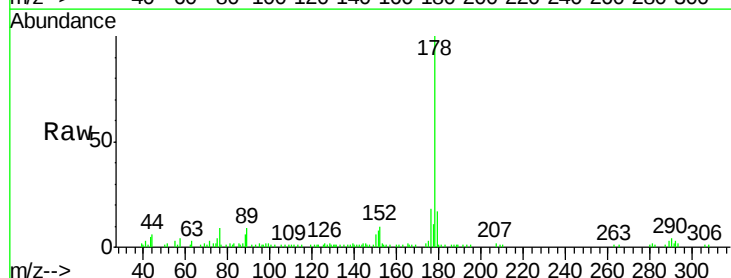
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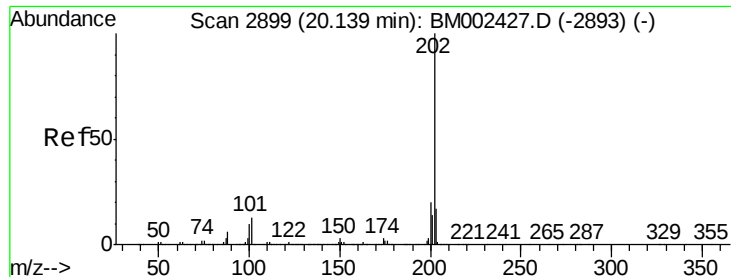
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8/17/2015 2:46:39 PM



#15
Anthracene
Concen: 1.37 ng/ul
RT: 18.29 min Scan# 2585
Delta R.T. 0.01 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	66962		
179	16.9	12.6	18.8	
176	18.2	14.5	21.7	





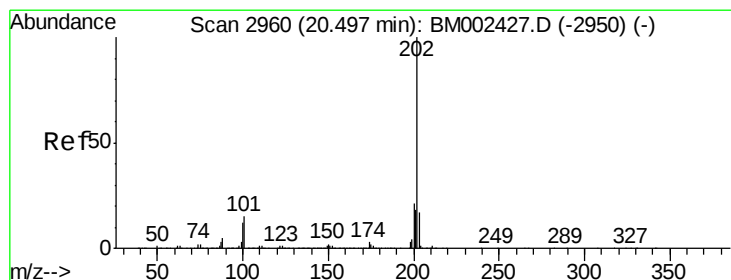
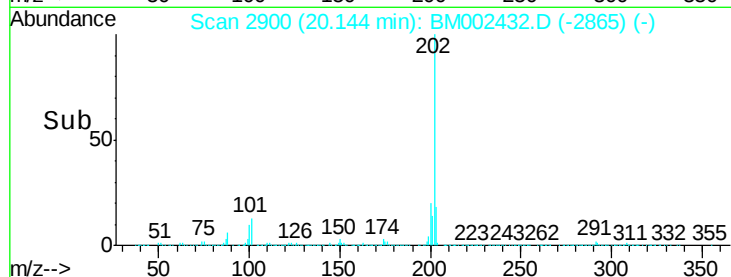
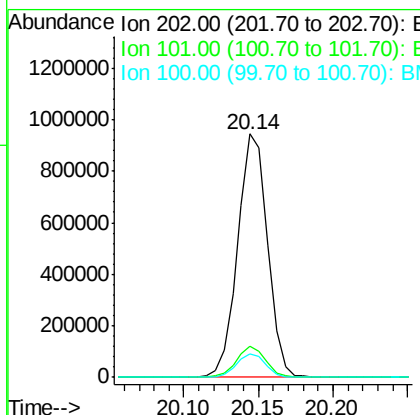
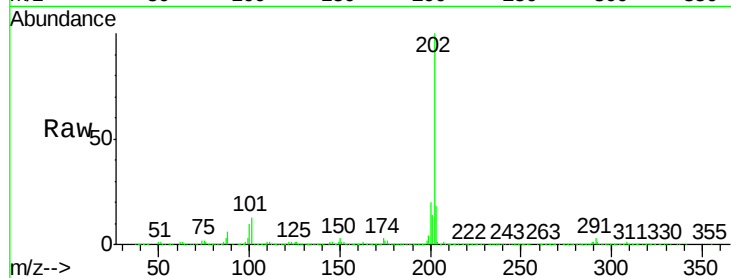
#16
 Fluoranthene
 Concen: 23.97 ng/ul
 RT: 20.14 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BM002432.D
 Acq: 15 Aug 2015 19:37

Instrument :
 BNA_M
 ClientSampleId :
 D9DA4

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.7	14.5
100	9.7	7.4	11.2

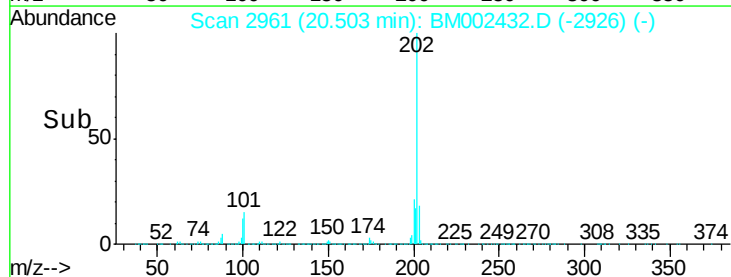
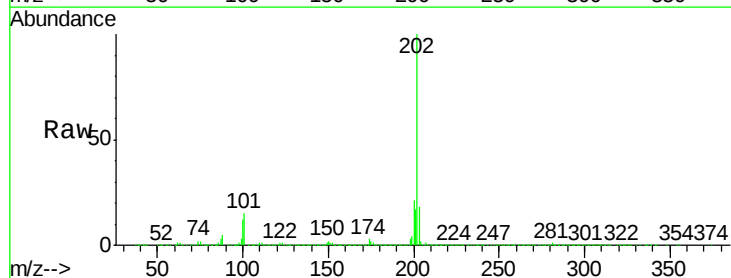
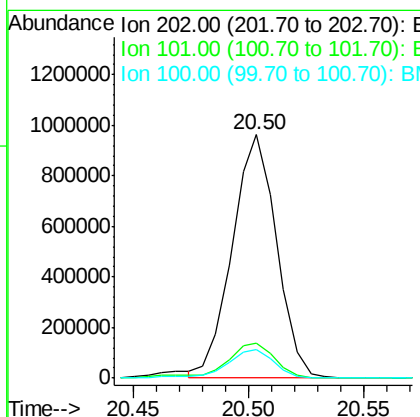
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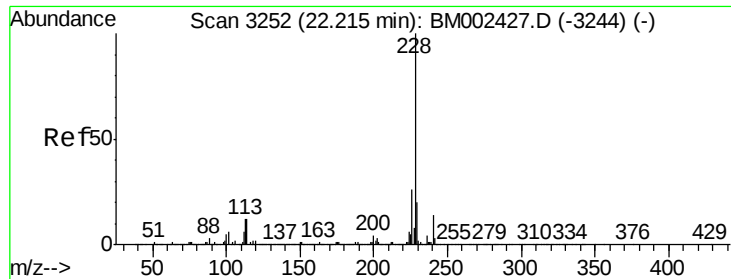
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 8/17/2015 2:46:39 PM



#19
 Pyrene
 Concen: 39.80 ng/ul
 RT: 20.50 min Scan# 2961
 Delta R.T. 0.01 min
 Lab File: BM002432.D
 Acq: 15 Aug 2015 19:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	12.0	18.0
100	11.8	9.7	14.5





#20

Benzo(a)anthracene

Concen: 46.10 ng/ul

RT: 22.22 min Scan# 3253

Delta R.T. 0.01 min

Lab File: BM002432.D

Acq: 15 Aug 2015 19:37

Instrument :

BNA_M

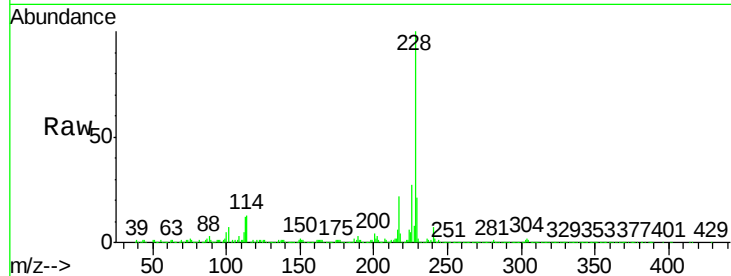
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D9DA4

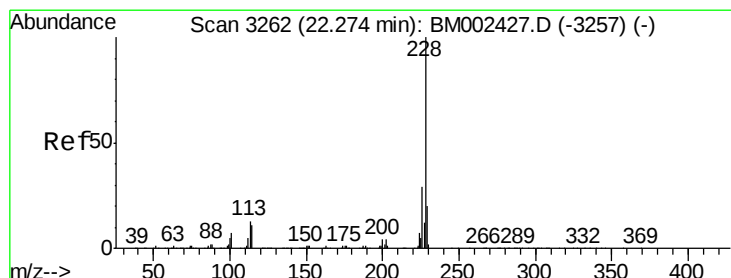
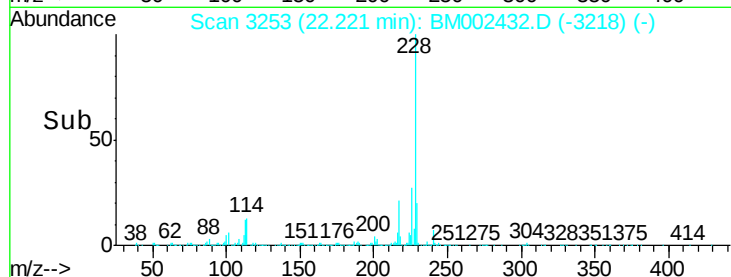
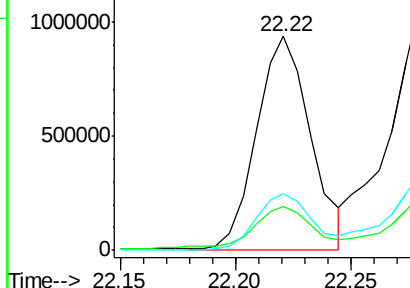
Tgt Ion:	228	Resp:	1520217
Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	26.8	21.1	31.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#21

Chrysene

Concen: 59.08 ng/ul

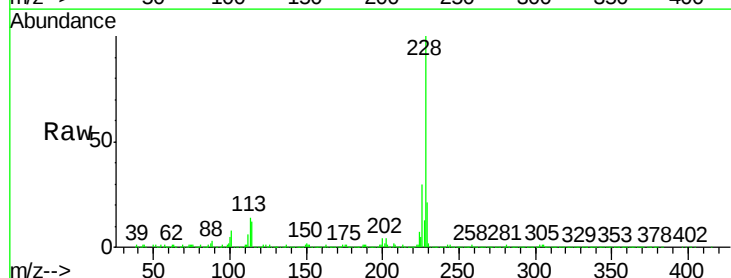
RT: 22.28 min Scan# 3263

Delta R.T. 0.01 min

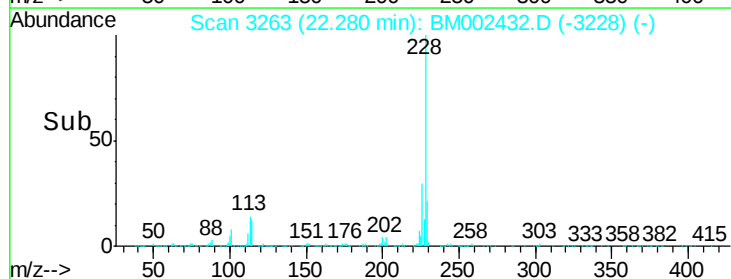
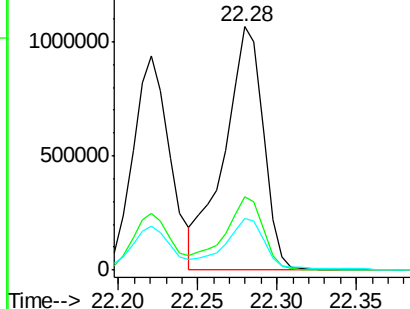
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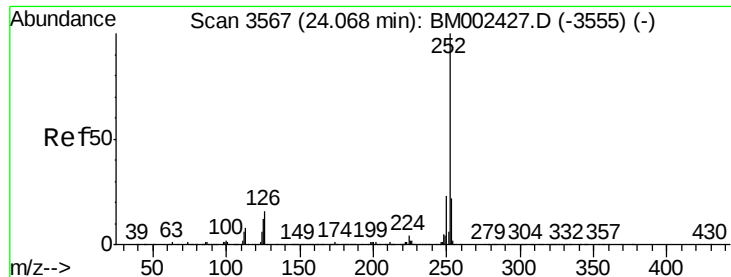
Acq: 15 Aug 2015 19:37

Tgt Ion:	228	Resp:	1822338
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	21.2	15.7	23.5



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





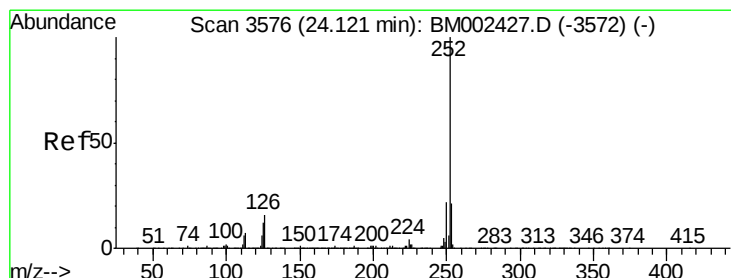
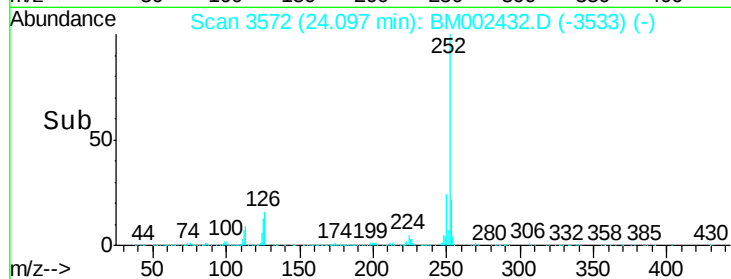
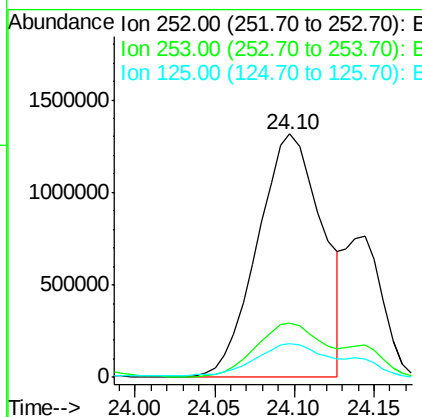
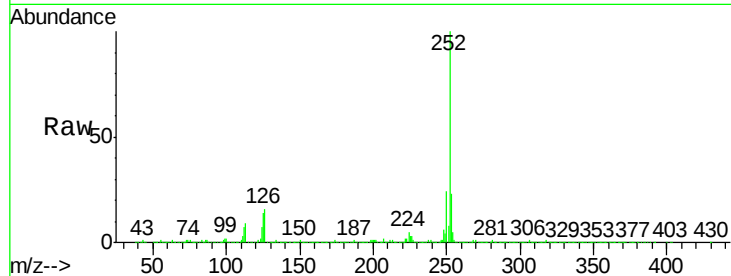
#23
Benzo(b)fluoranthene
Concen: 111.57 ng/ul m
RT: 24.10 min Scan# 3572
Delta R.T. 0.03 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Instrument :
BNA_M
ClientSampleId :
D9DA4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	13.7	10.0	15.0

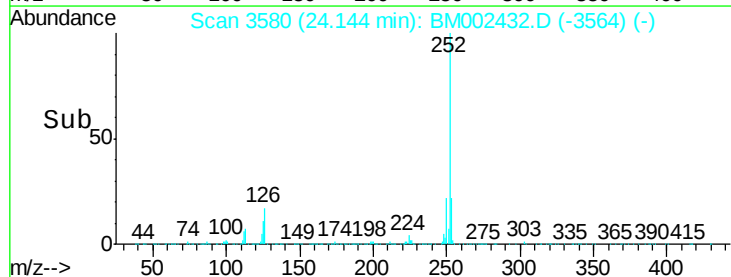
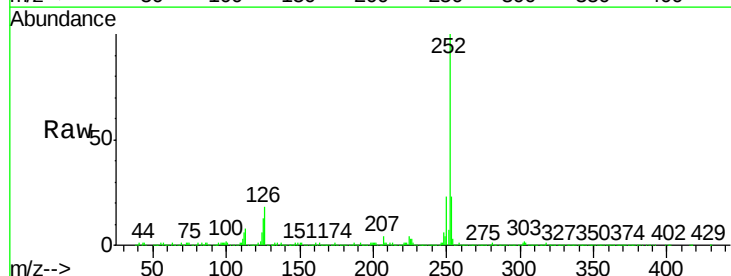
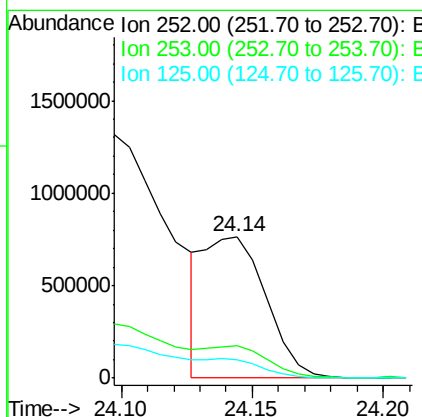
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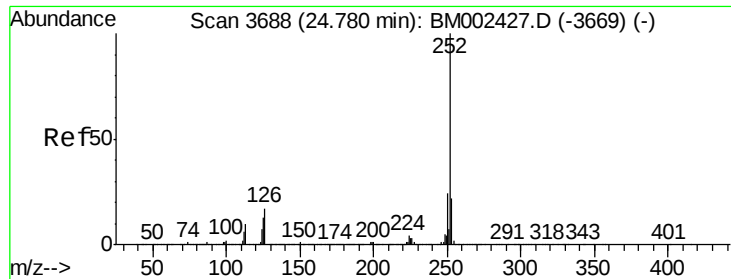
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8/17/2015 2:46:39 PM



#24
Benzo(k)fluoranthene
Concen: 40.03 ng/ul m
RT: 24.14 min Scan# 3580
Delta R.T. 0.02 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.9	9.8	14.8





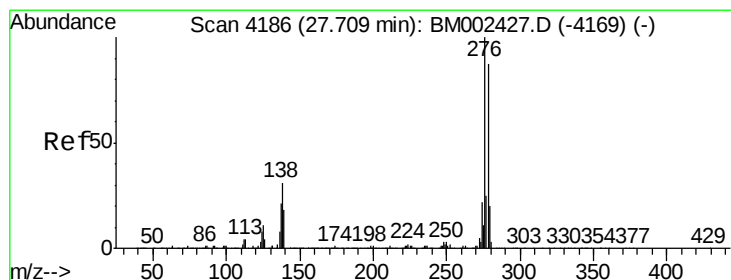
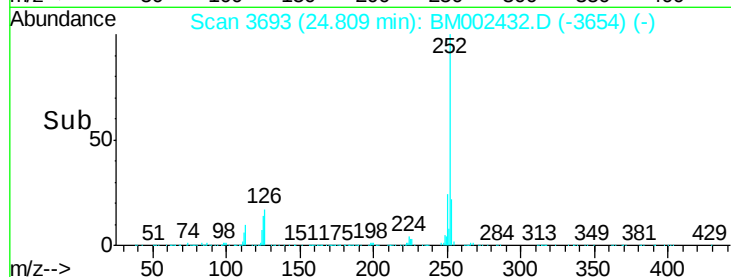
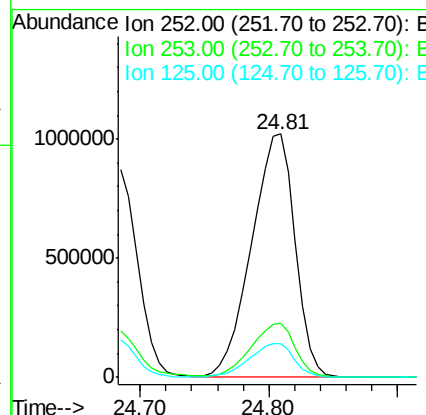
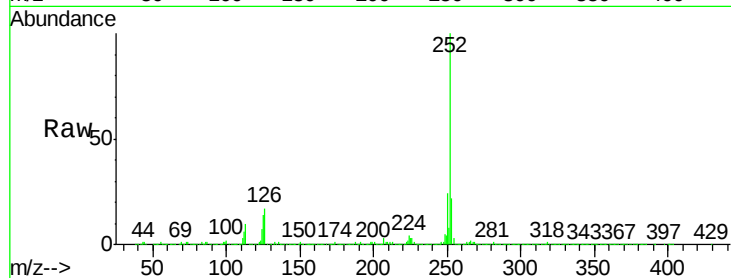
#26
Benzo(a)pyrene
Concen: 75.72 ng/ul m
RT: 24.81 min Scan# 3693
Delta R.T. 0.03 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Instrument :
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ClientSampleId :
D9DA4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	13.8	10.7	16.1

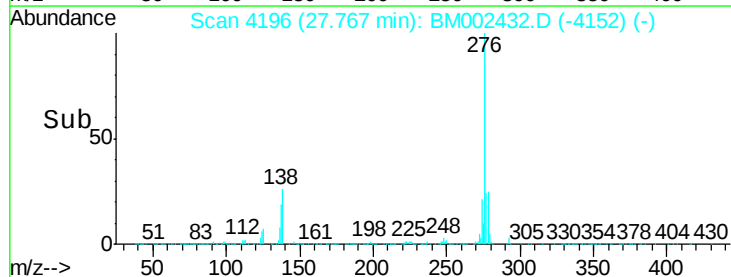
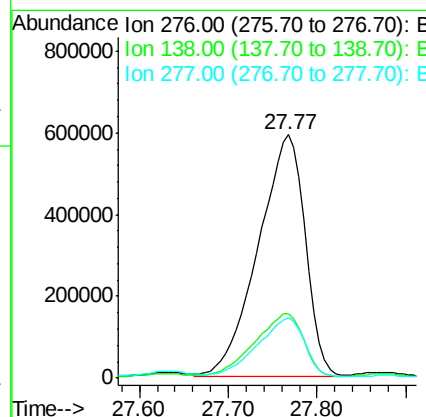
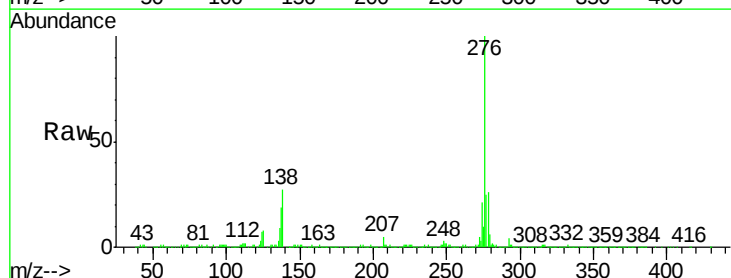
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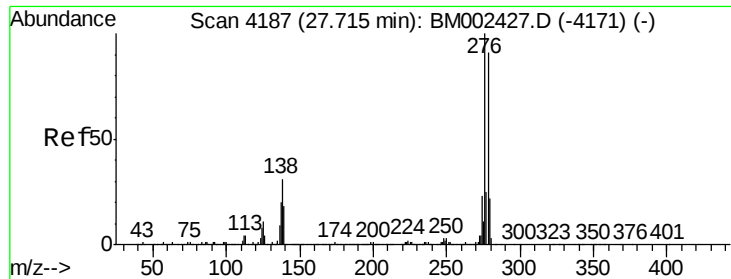
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8/17/2015 2:46:39 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 59.83 ng/ul m
RT: 27.77 min Scan# 4196
Delta R.T. 0.06 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.6	25.3	37.9
277	24.7	20.2	30.2





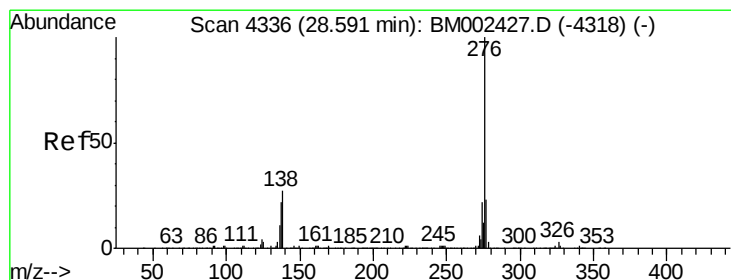
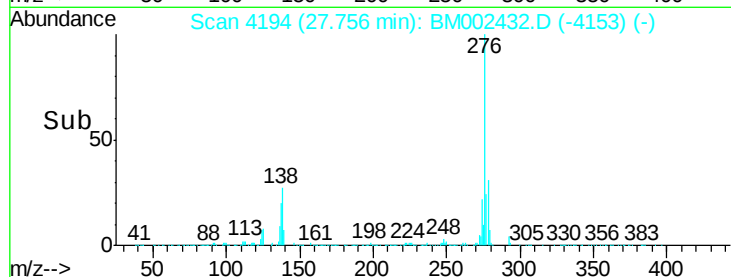
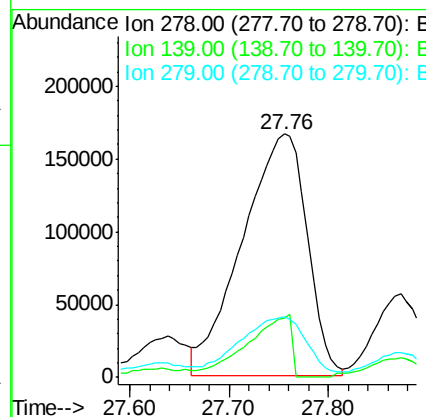
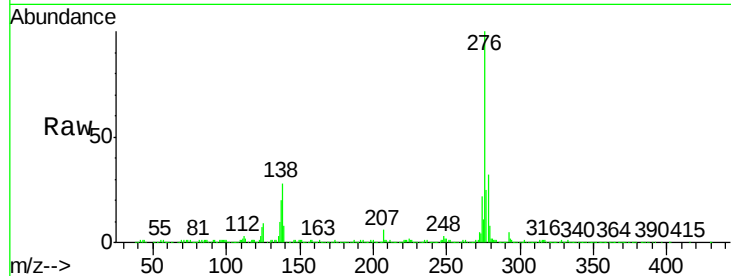
#28
Dibenzo(a,h)anthracene
Concen: 24.67 ng/ul m
RT: 27.76 min Scan# 4194
Delta R.T. 0.04 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Instrument :
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ClientSampleId :
D9DA4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	16.5	24.7
279	25.1	18.8	28.2

Manual Integrations
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#29
Benzo(g,h,i)perylene
Concen: 65.93 ng/ul m
RT: 28.66 min Scan# 4347
Delta R.T. 0.06 min
Lab File: BM002432.D
Acq: 15 Aug 2015 19:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.0	31.6
277	24.0	19.2	28.8

