

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009573.D
 Acq On : 06 Apr 2017 00:21
 Operator : SJ/MA
 Sample : I2524-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB324

Manual Integrations
 APPROVED

mohammad
 4/6/2017 11:39:04 AM

Quant Time: Apr 06 04:02:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 03:48:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	153690	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	576870	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	327567	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	780589	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	1100385	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	1080210	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	8603m	0.97	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	63620	1.98	ng/ul	0.00
10) Fluorene-d10	15.47	176	124142	5.38	ng/ul	0.00
15) Anthracene-d10	17.33	188	164192	4.40	ng/ul	0.00
19) Pyrene-d10	19.63	212	246540	5.45	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.58	264	228856	4.80	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.27	178	311846	7.11	ng/ul	97
16) Anthracene	17.37	178	60246	1.33	ng/ul	94
17) Fluoranthene	19.29	202	491925	9.00	ng/ul#	96
20) Pyrene	19.66	202	442382	7.38	ng/ul#	92
21) Benzo(a)anthracene	21.40	228	259540	4.17	ng/ul	96
22) Chrysene	21.44	228	247681	4.34	ng/ul	97
24) Benzo(b)fluoranthene	23.03	252	336228	5.03	ng/ul	99
25) Benzo(k)fluoranthene	23.07	252	93213m	1.46	ng/ul	
27) Benzo(a)pyrene	23.63	252	198566	3.13	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.09	276	143598	2.02	ng/ul	94
30) Benzo(g,h,i)perylene	26.81	276	121545	2.07	ng/ul#	92

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

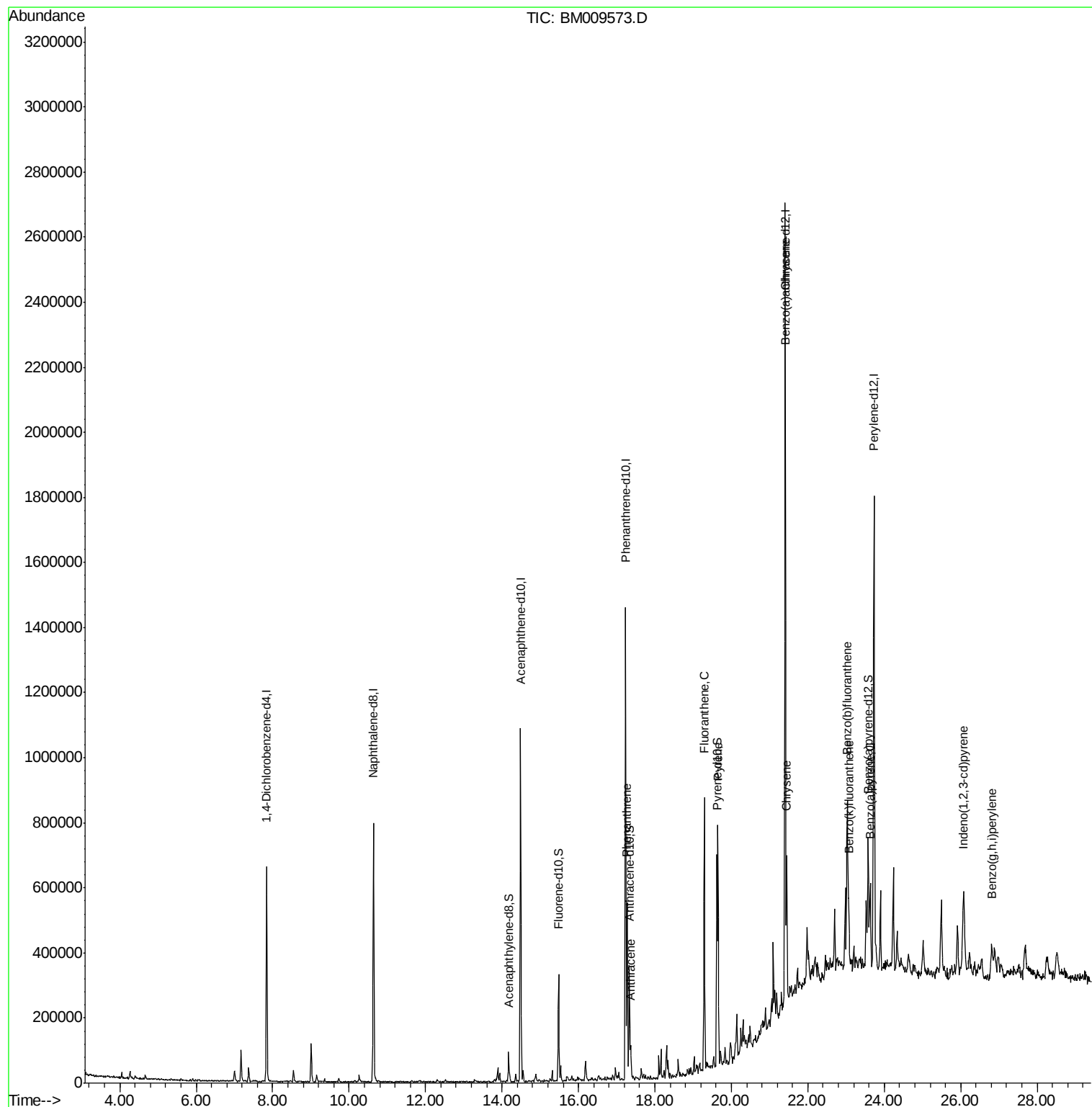
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
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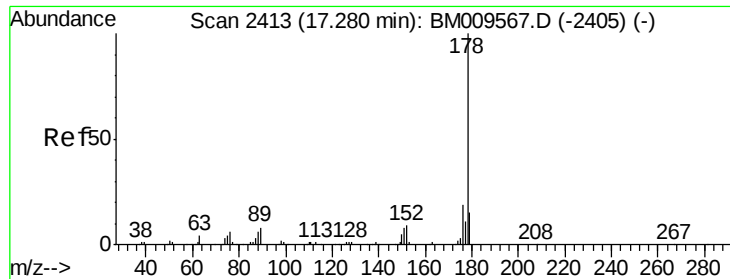
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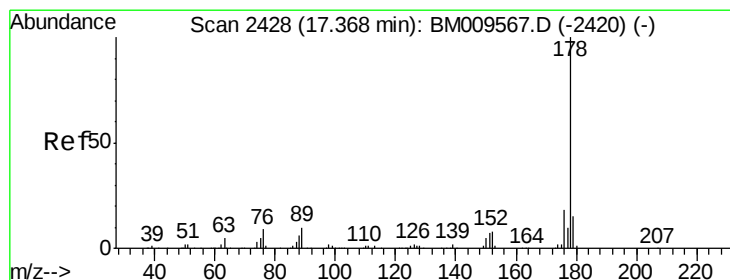
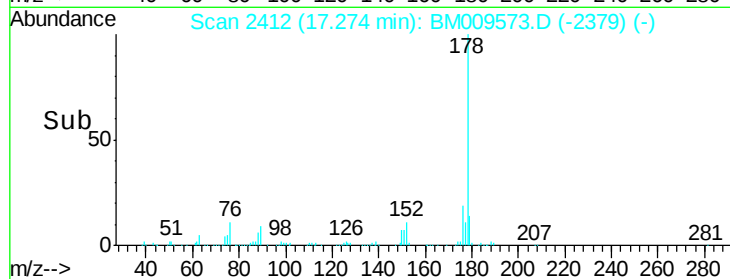
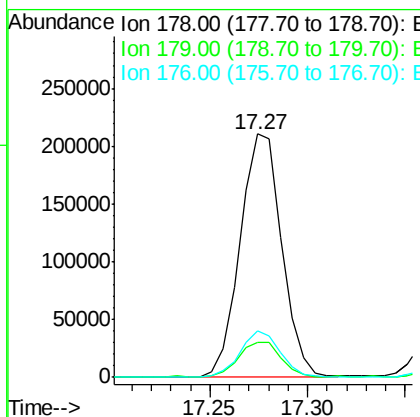
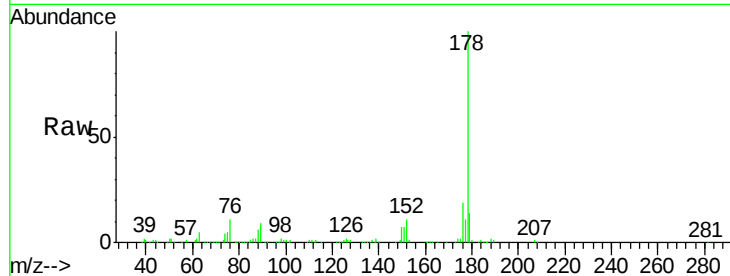
#14
Phenanthrene
Concen: 7.11 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009573.D
Acq: 06 Apr 2017 00:21

Instrument :
BNA_M
ClientSampleId :
CB324

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.4	12.2	18.4
176	19.0	16.4	24.6

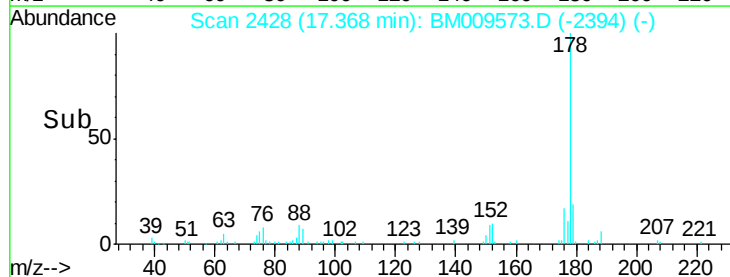
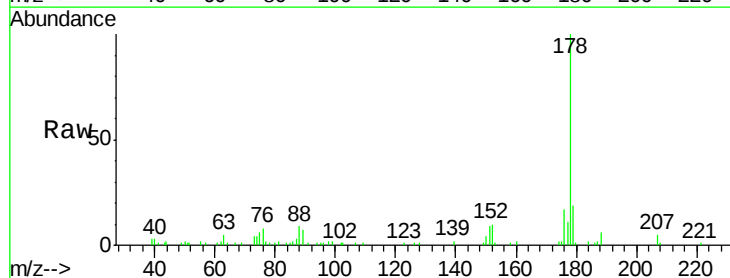
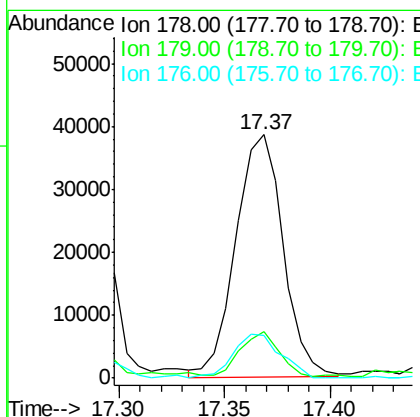
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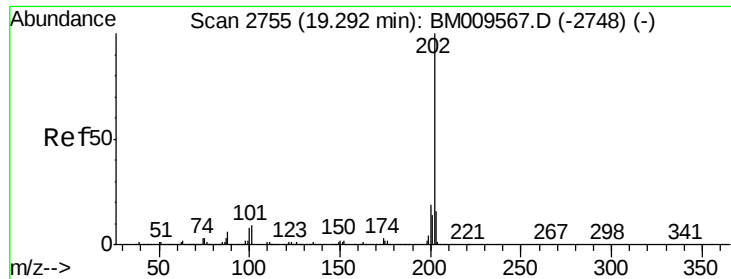
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#16
Anthracene
Concen: 1.33 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009573.D
Acq: 06 Apr 2017 00:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.1	12.7	19.1
176	17.4	15.8	23.8





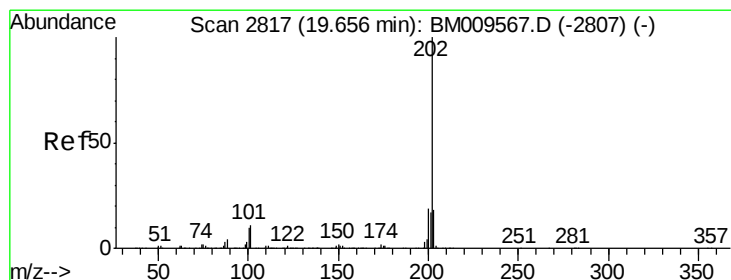
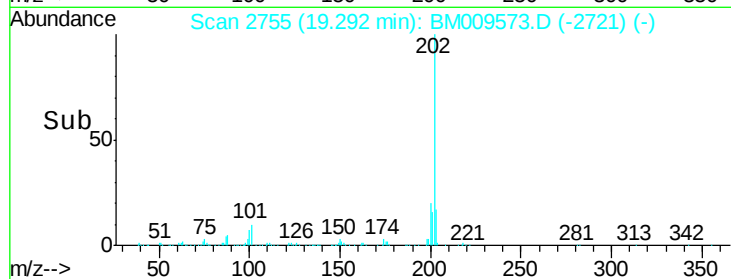
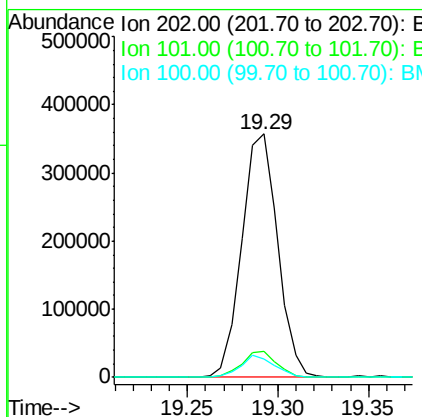
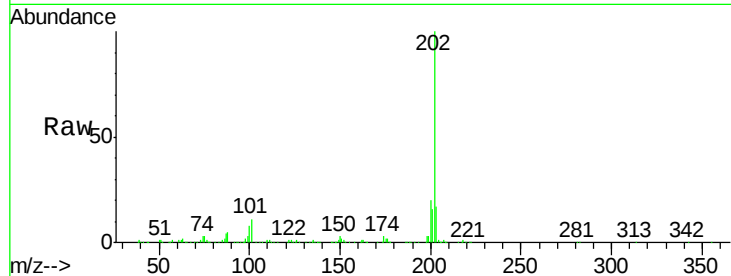
#17
Fluoranthene
 Concen: 9.00 ng/ul
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009573.D
 Acq: 06 Apr 2017 00:21

Instrument :
 BNA_M
 ClientSampleId :
 CB324

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	9.8	14.8
100	7.5	7.5	11.3#

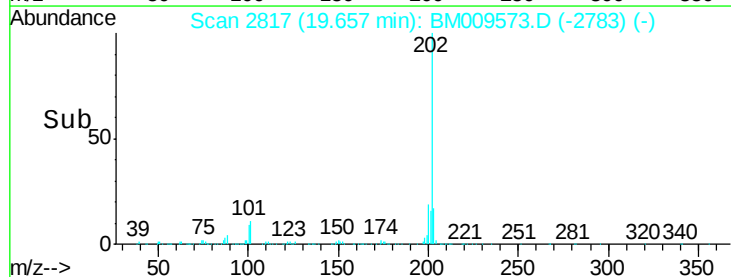
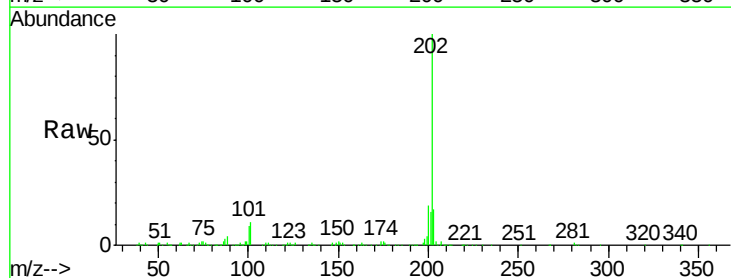
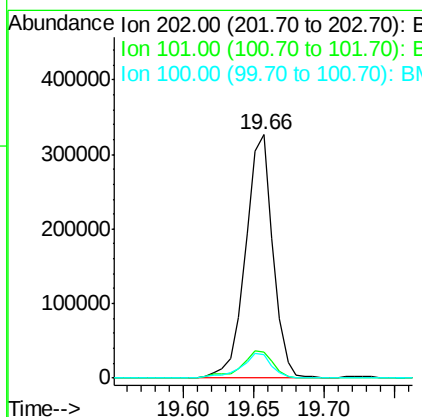
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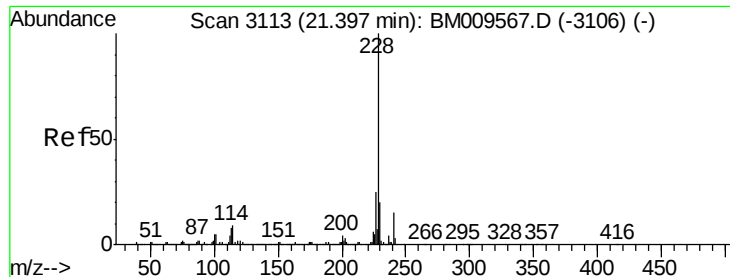
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#20
Pyrene
 Concen: 7.38 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009573.D
 Acq: 06 Apr 2017 00:21

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.7	11.2	16.8#
100	9.4	9.8	14.6#





#21

Benzo(a)anthracene

Concen: 4.17 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009573.D

Acq: 06 Apr 2017 00:21

Instrument :

BNA_M

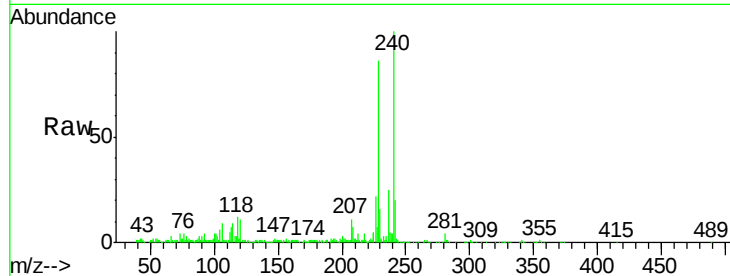
ClientSampled :

CB324

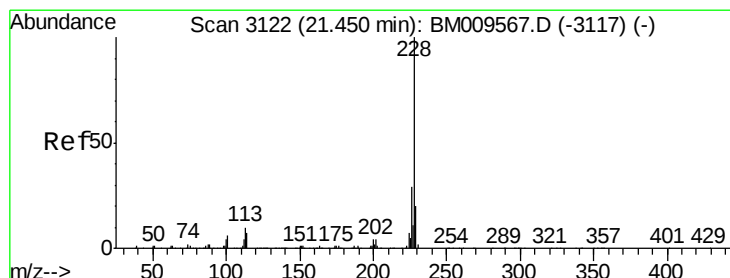
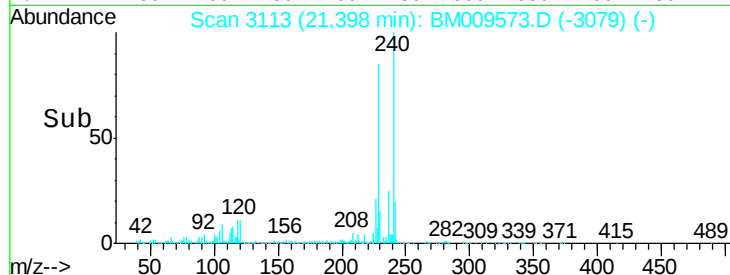
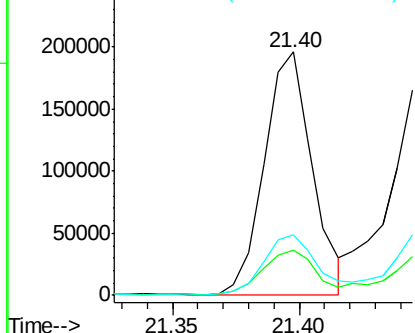
Tot Ion:	228	Resp:	259540
Ion Ratio	Lower	Upper	
228	100		
229	18.5	15.9	23.9
226	25.0	22.1	33.1

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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



#22

Chrysene

Concen: 4.34 ng/ul

RT: 21.44 min Scan# 3121

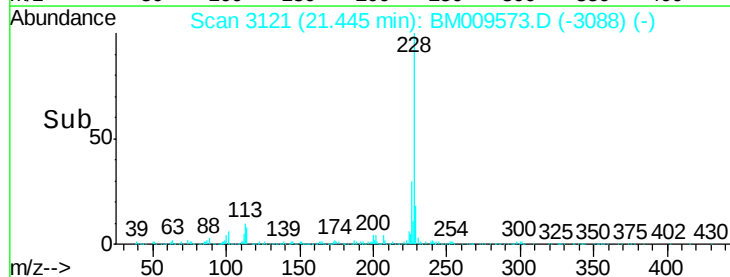
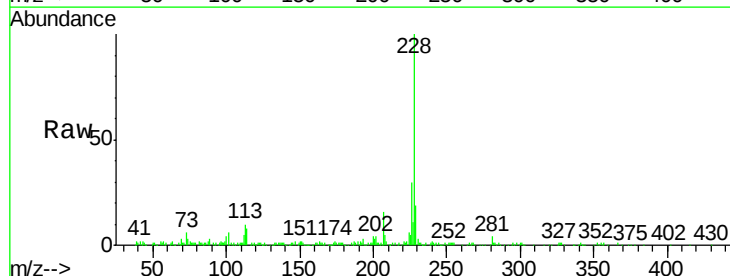
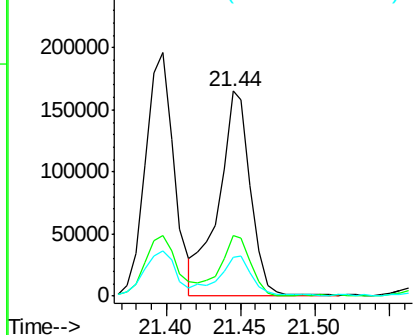
Delta R.T. -0.01 min

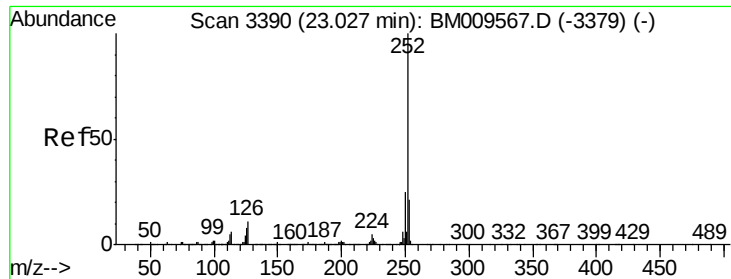
Lab File: BM009573.D

Acq: 06 Apr 2017 00:21

Tgt Ion:	228	Resp:	247681
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	18.9	16.6	25.0

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





#24

Benzo(b)fluoranthene

Concen: 5.03 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.00 min

Lab File: BM009573.D

Acq: 06 Apr 2017 00:21

Instrument :

BNA_M

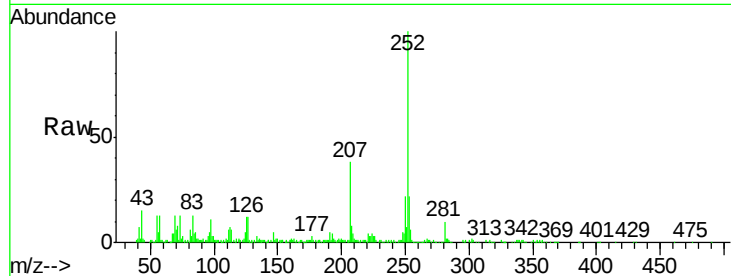
ClientSampleId :

CB324

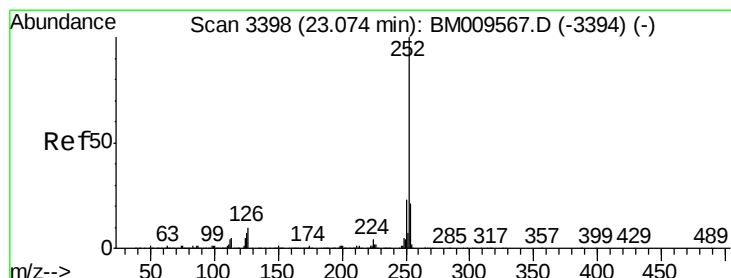
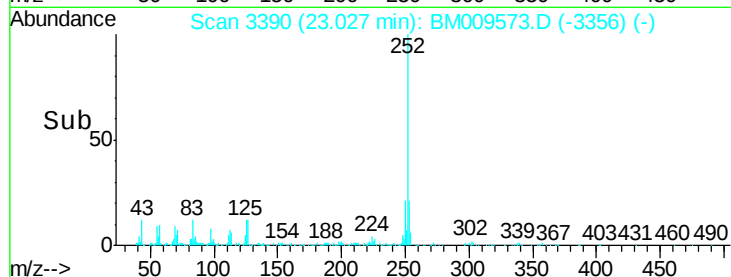
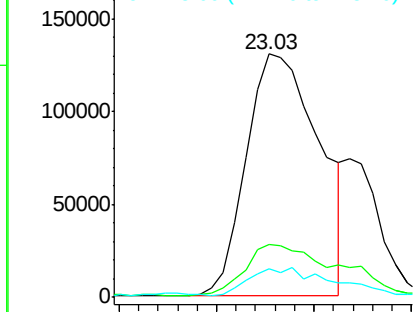
Tot Ion:	252	Resp:	336228
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.8	26.6
125	11.6	9.4	14.0

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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



#25

Benzo(k)fluoranthene

Concen: 1.46 ng/ul m

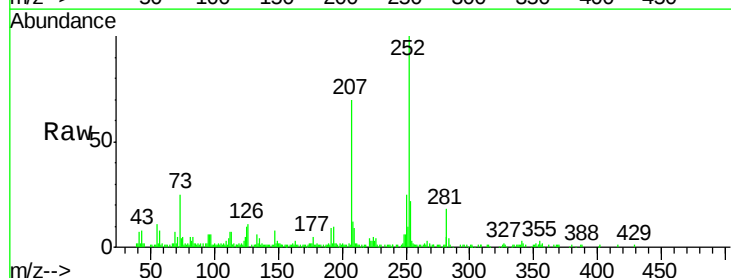
RT: 23.07 min Scan# 3397

Delta R.T. -0.01 min

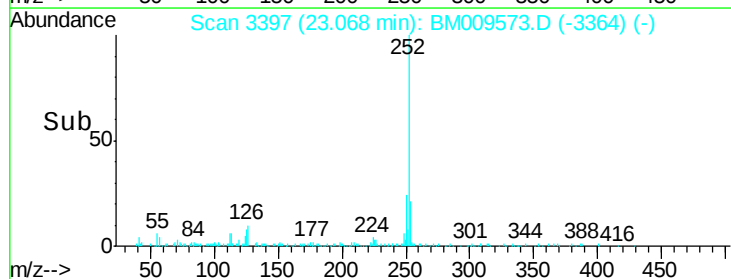
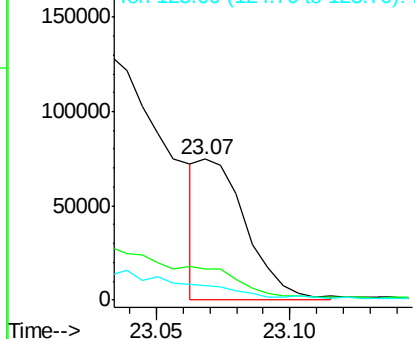
Lab File: BM009573.D

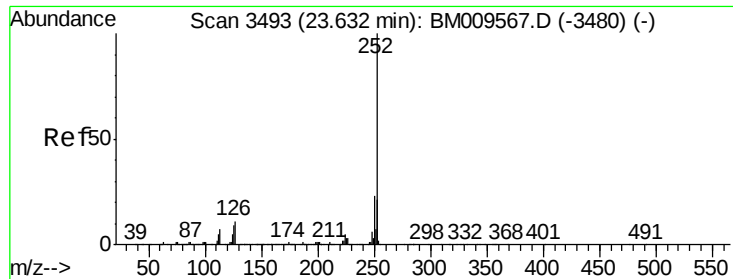
Acq: 06 Apr 2017 00:21

Tgt Ion:	252	Resp:	93213
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.2
125	10.1	8.8	13.2



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





#27

Benzo(a)pyrene

Concen: 3.13 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BM009573.D

Acq: 06 Apr 2017 00:21

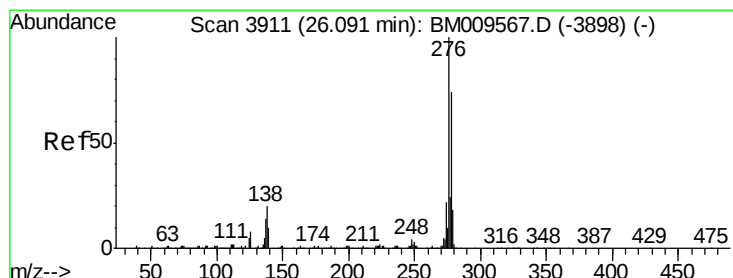
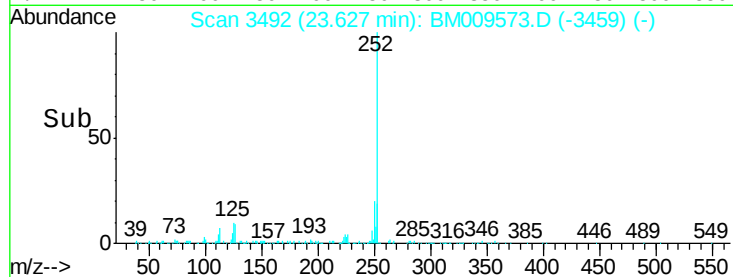
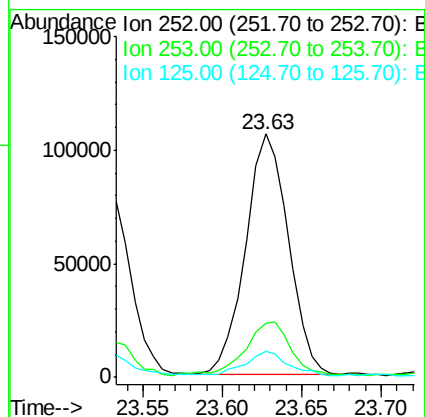
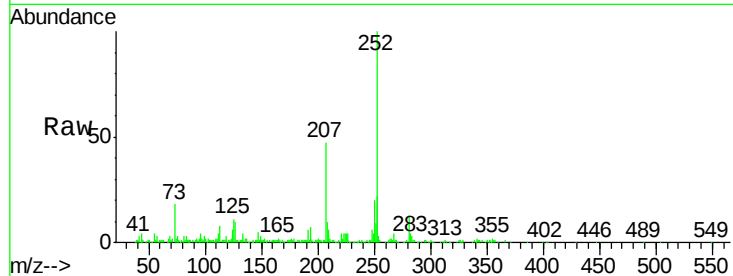
Instrument :
BNA_M

ClientSampled :
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Tot Ion:	252	Resp:	198566
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.1	25.7
125	10.6	9.4	14.2

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#28

Indeno(1,2,3-cd)pyrene

Concen: 2.02 ng/ul

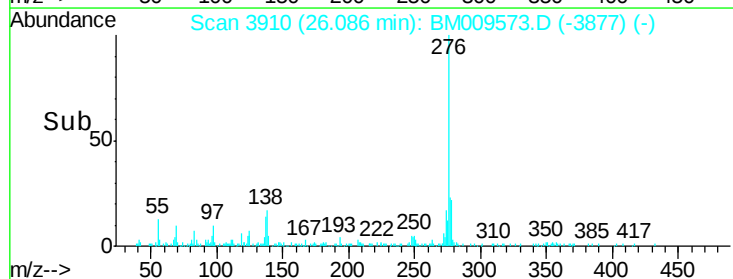
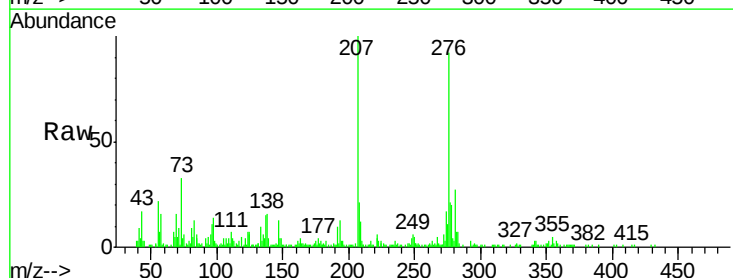
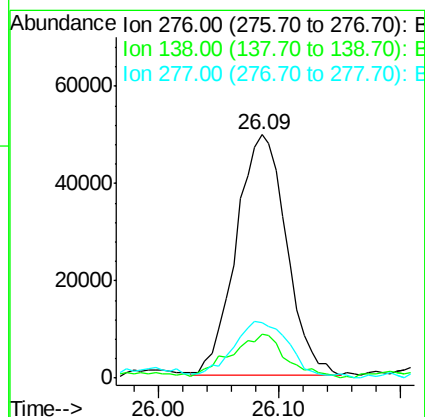
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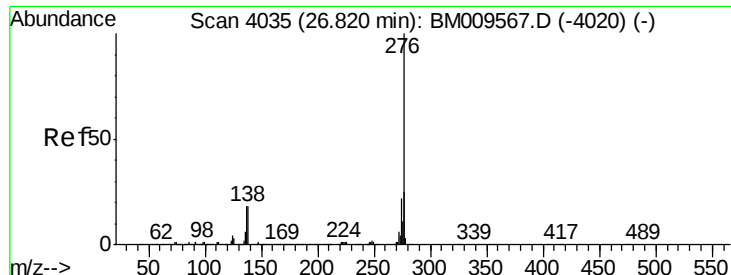
Delta R.T. -0.01 min

Lab File: BM009573.D

Acq: 06 Apr 2017 00:21

Tgt Ion:	276	Resp:	143598
Ion Ratio	Lower	Upper	
276	100		
138	17.9	17.8	26.6
277	22.5	19.4	29.0





#30

Benzo(a,h,i)perylene

Concen: 2.07 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. -0.01 min

Lab File: BM009573.D

Acq: 06 Apr 2017 00:21

Instrument :

BNA_M

ClientSampleId :

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Tot Ion:	276	Resp:	121545
Ion Ratio	Lower	Upper	
276	100		
138	18.7	19.0	28.4#
277	27.3	19.7	29.5

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