

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
 Data File : BM009574.D
 Acq On : 06 Apr 2017 00:57
 Operator : SJ/MA
 Sample : I2524-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB327

Manual Integrations
 APPROVED

mohammad
 4/6/2017 11:39:31 AM

Quant Time: Apr 06 04:04:19 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	153071	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	588118	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	336965	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	781833	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1059948	20.00	ng/ul	0.00
23) Perylene-d12	23.73	264	1039009	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	237633	26.28	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	921525	27.90	ng/ul	0.00
10) Fluorene-d10	15.48	176	656989	27.66	ng/ul	0.00
15) Anthracene-d10	17.33	188	1029904	27.53	ng/ul	0.00
19) Pyrene-d10	19.63	212	1285031	29.50	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	1368275	29.83	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.27	178	387098	8.81	ng/ul	98
16) Anthracene	17.37	178	70258m	1.55	ng/ul	
17) Fluoranthene	19.29	202	792519	14.48	ng/ul	96
20) Pyrene	19.66	202	715420	12.40	ng/ul	96
21) Benzo(a)anthracene	21.40	228	451854	7.54	ng/ul	99
22) Chrysene	21.45	228	439336	8.00	ng/ul	98
24) Benzo(b)fluoranthene	23.03	252	585390	9.11	ng/ul#	94
25) Benzo(k)fluoranthene	23.07	252	185000m	3.02	ng/ul	
27) Benzo(a)pyrene	23.63	252	380288	6.22	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.09	276	269018	3.93	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.09	278	76266m	1.31	ng/ul	
30) Benzo(a,h,i)perylene	26.81	276	232950	4.12	ng/ul#	88

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

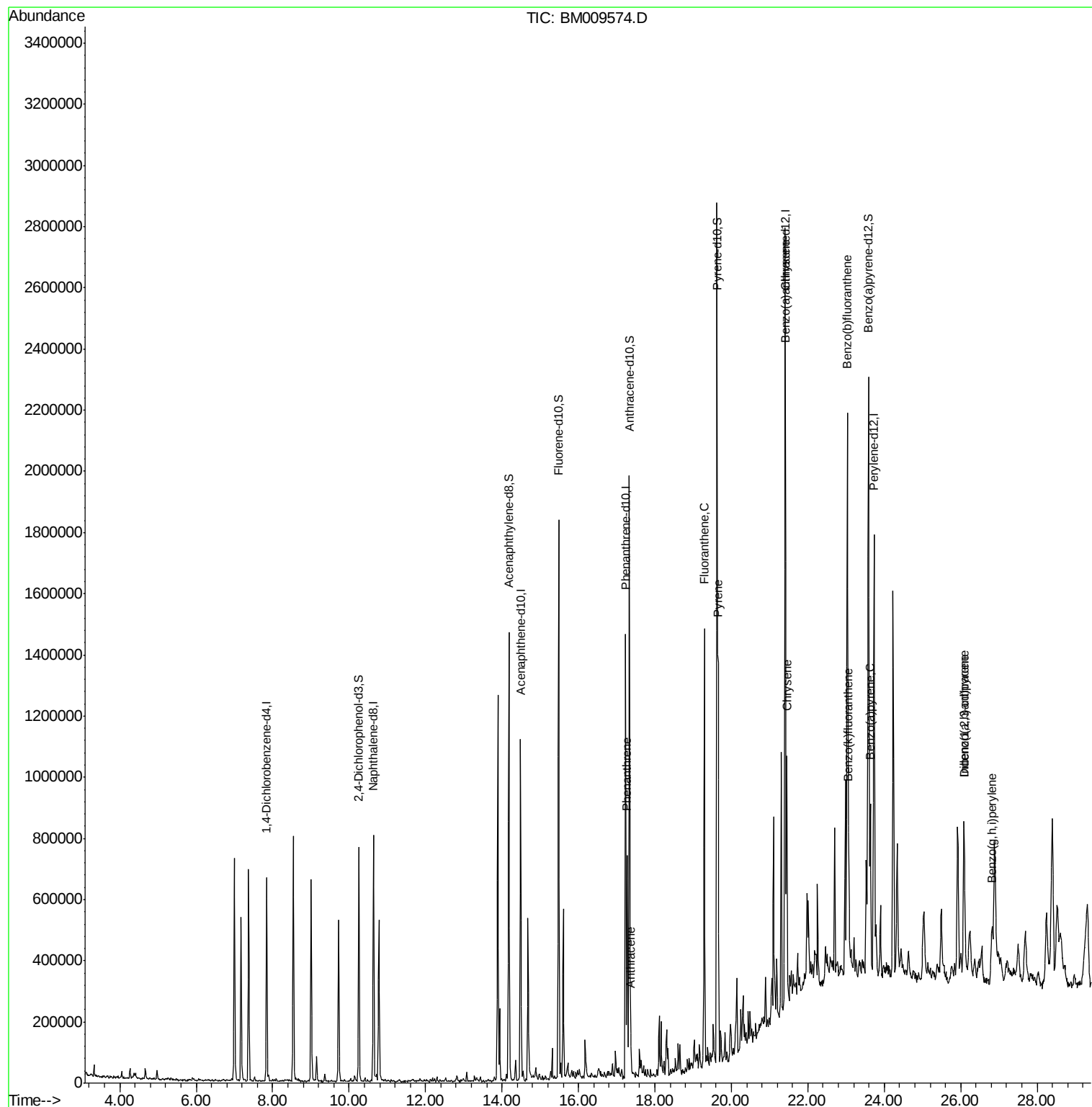
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040617\
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ALS Vial : 22 Sample Multiplier: 1

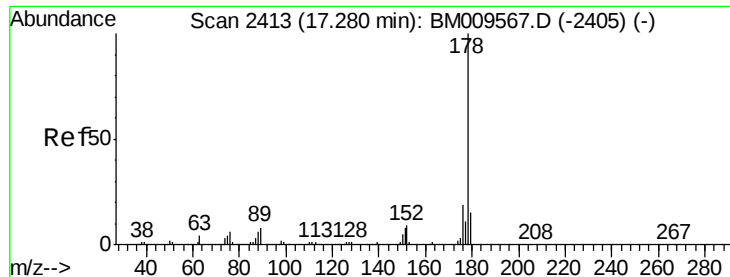
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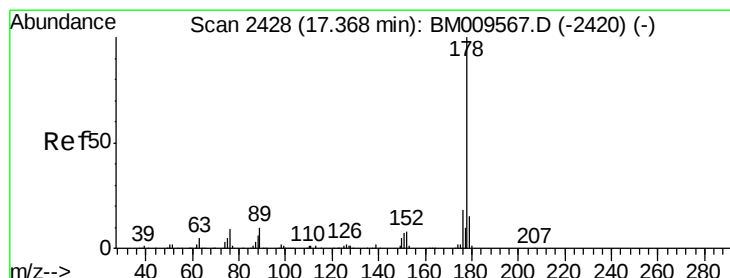
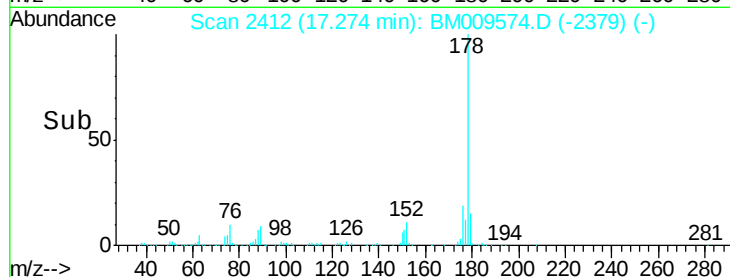
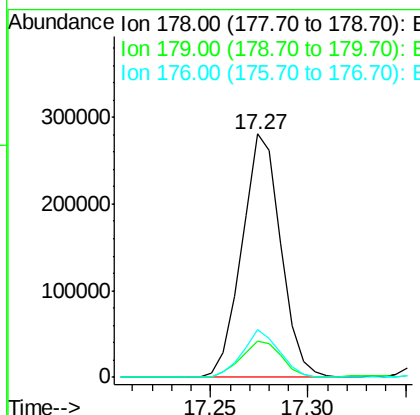
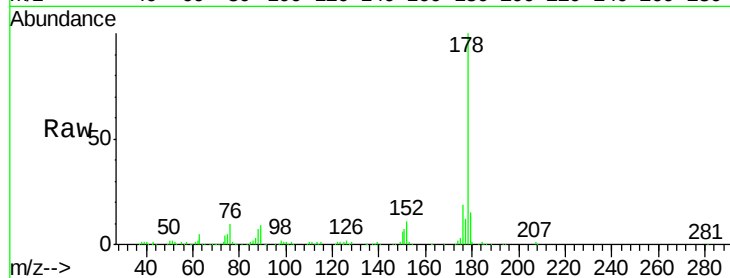
#14
Phenanthrene
Concen: 8.81 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Instrument :
BNA_M
ClientSampleId :
CB327

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.4
176	19.4	16.4	24.6

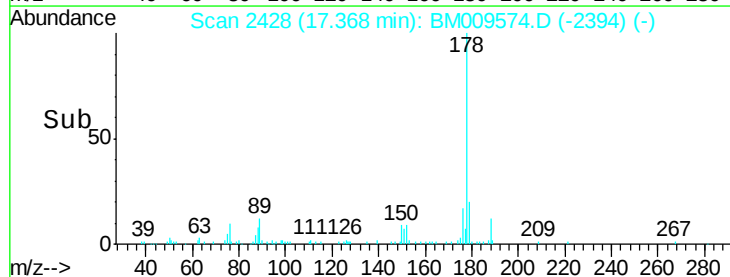
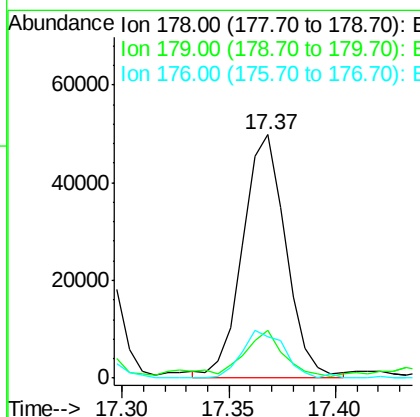
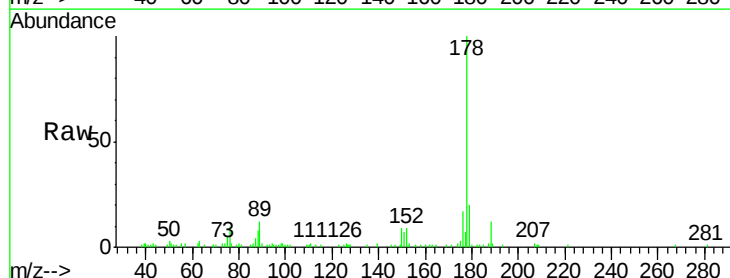
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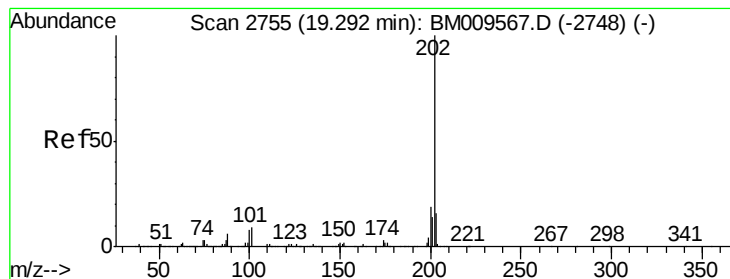
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#16
Anthracene
Concen: 1.55 ng/ul m
RT: 17.37 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.7	12.7	19.1#
176	17.0	15.8	23.8





#17

Fluoranthene

Concen: 14.48 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

Instrument :

BNA_M

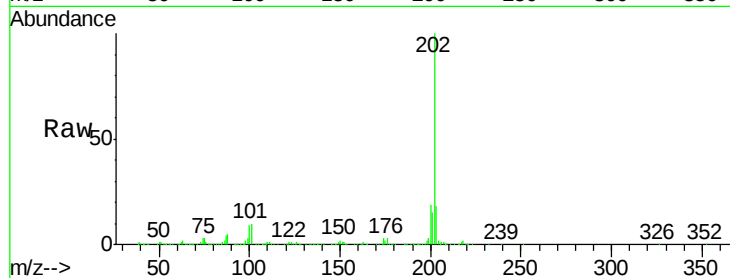
ClientSampleId :

CB327

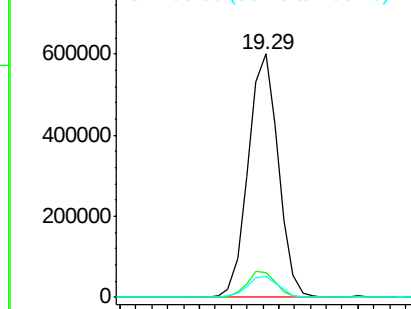
Tot Ion:	202	Resp:	792519
Ion Ratio		Lower	Upper
202	100		
101	10.3	9.8	14.8
100	8.8	7.5	11.3

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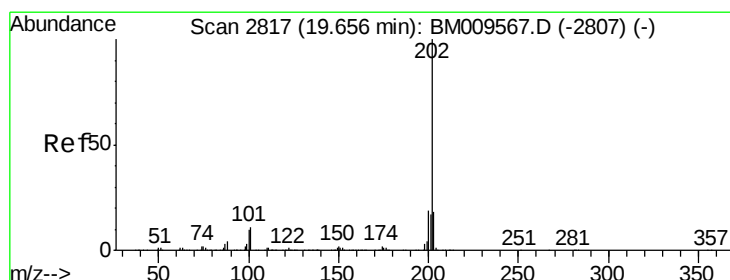
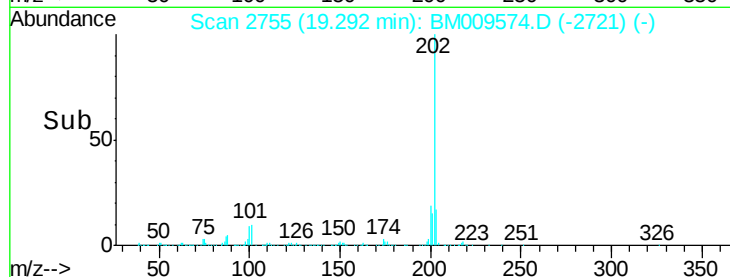
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.20 19.25 19.30 19.35



#20

Pyrene

Concen: 12.40 ng/ul

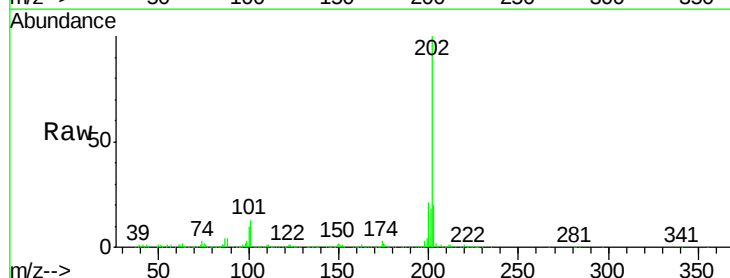
RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

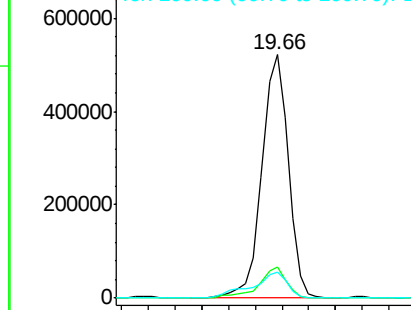
Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

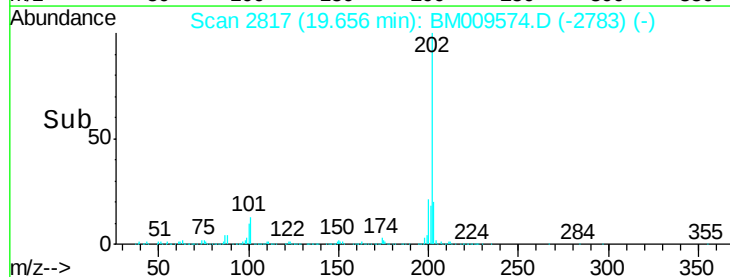
Tgt Ion:	202	Resp:	715420
Ion Ratio		Lower	Upper
202	100		
101	12.8	11.2	16.8
100	10.5	9.8	14.6

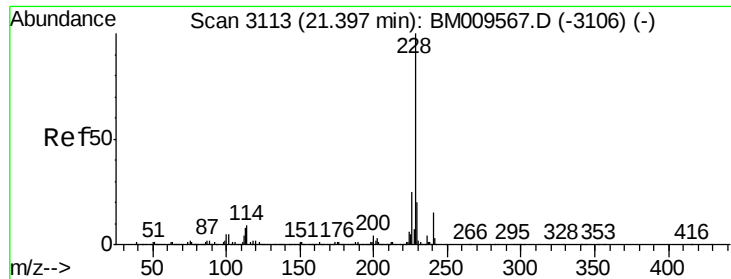


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time--> 19.60 19.70





#21

Benzo(a)anthracene

Concen: 7.54 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

Instrument :

BNA_M

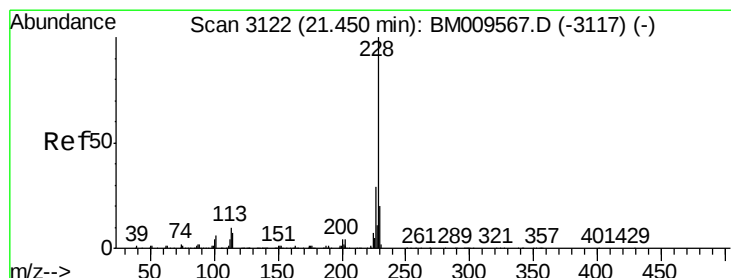
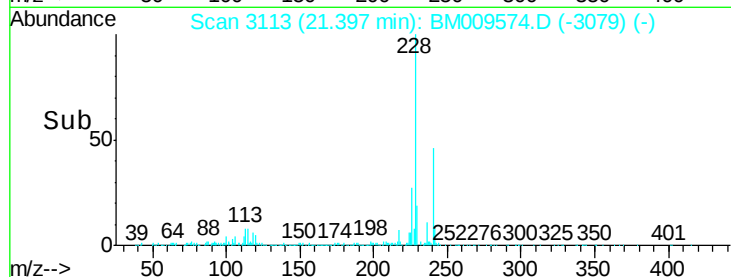
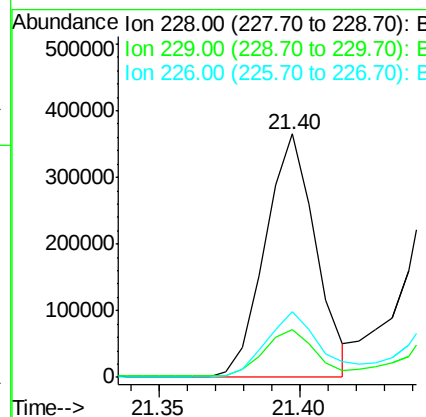
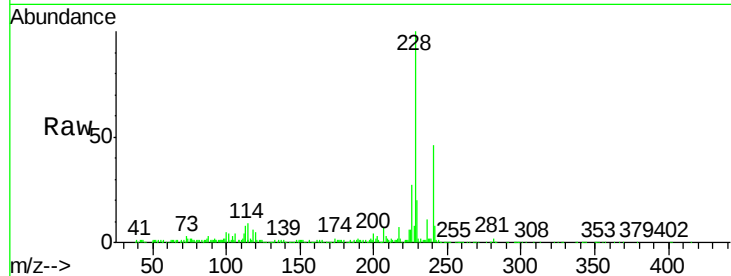
ClientSampleId :

CB327

Tot Ion:	228	Resp:	451854
Ion Ratio	Lower	Upper	
228	100		
229	19.8	15.9	23.9
226	27.0	22.1	33.1

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#22

Chrysene

Concen: 8.00 ng/ul

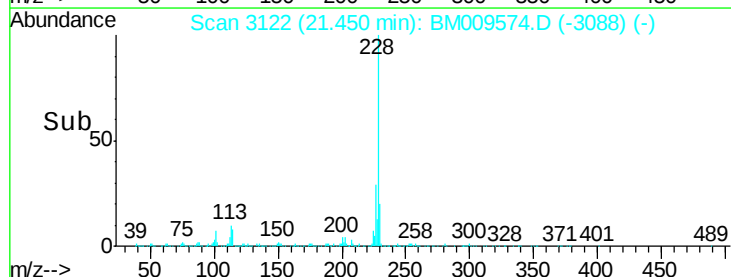
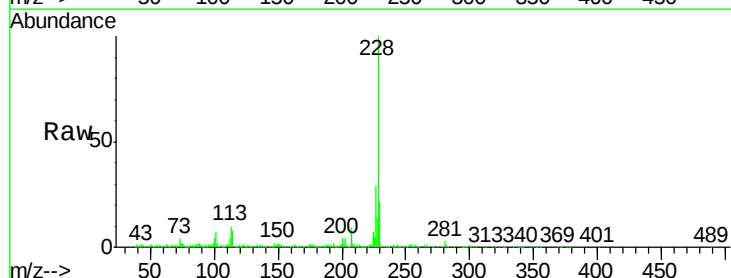
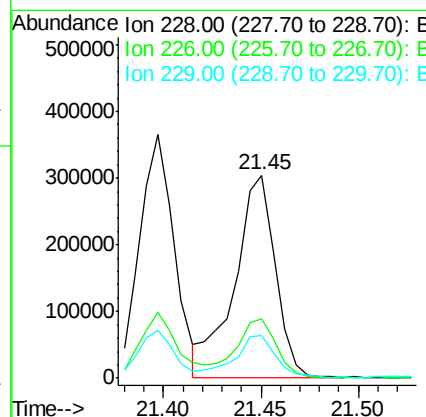
RT: 21.45 min Scan# 3122

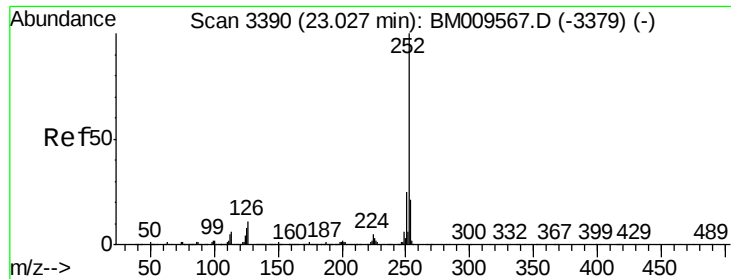
Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

Tgt Ion:	228	Resp:	439336
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	20.8	16.6	25.0





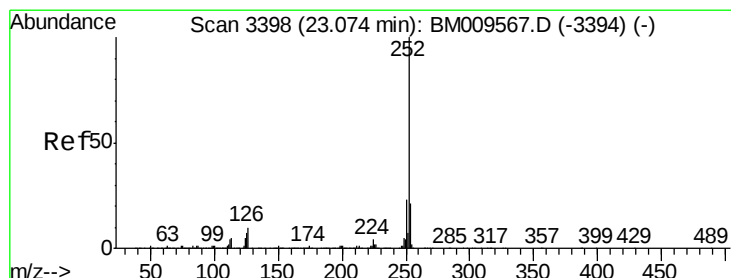
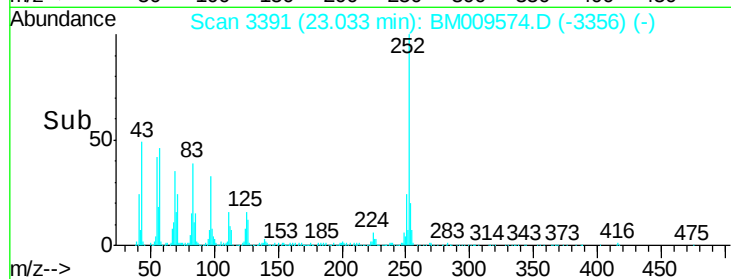
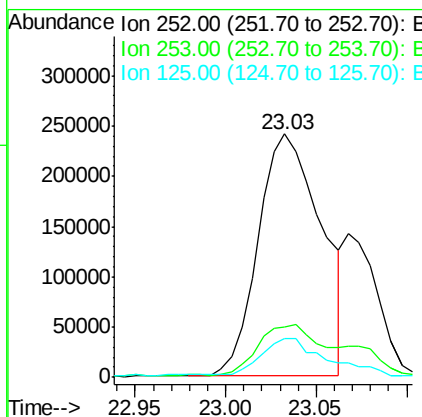
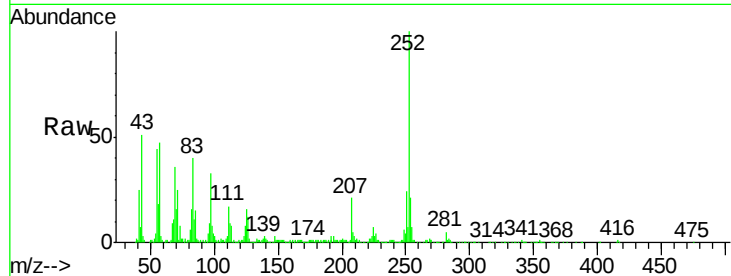
#24
Benzo(b)fluoranthene
Concen: 9.11 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Instrument :
BNA_M
ClientSampleId :
CB327

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.6
125	15.9	9.4	14.0

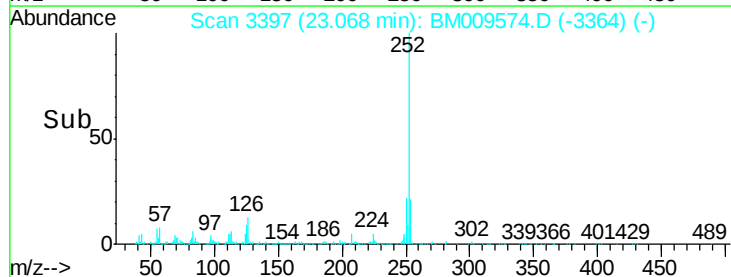
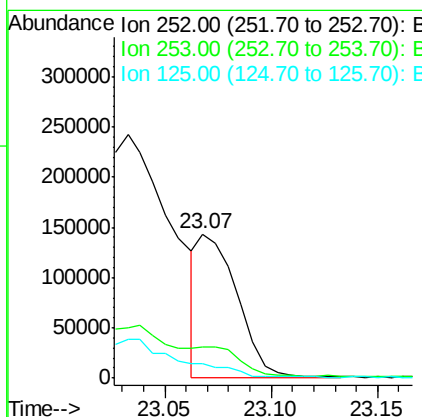
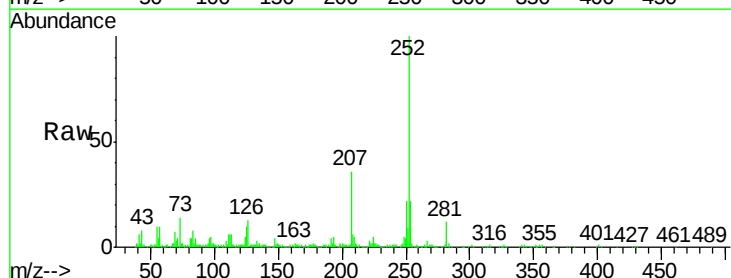
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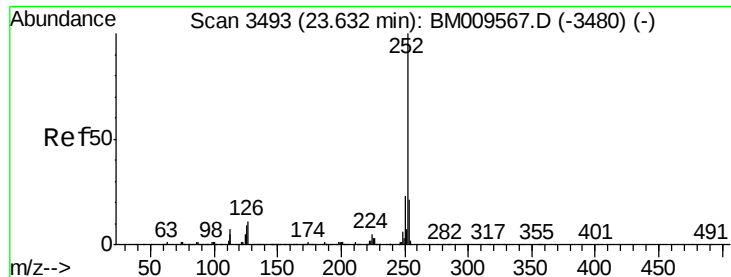
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#25
Benzo(k)fluoranthene
Concen: 3.02 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	9.8	8.8	13.2





#27

Benzo(a)pyrene

Concen: 6.22 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

Instrument :

BNA_M

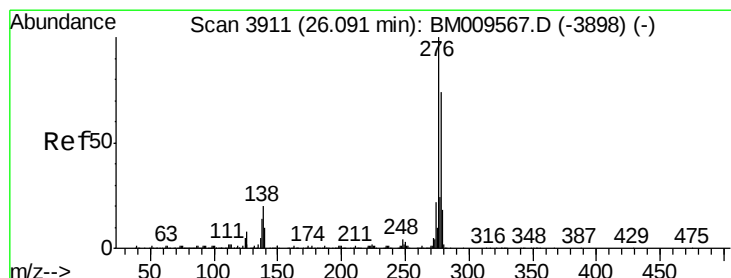
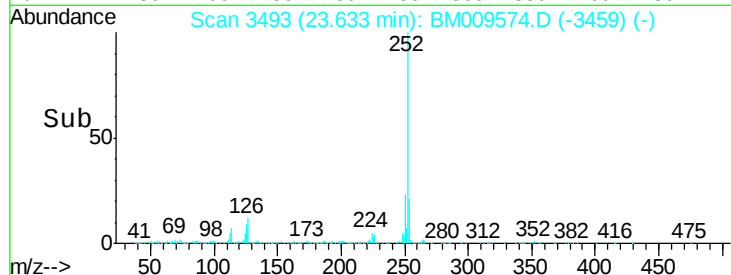
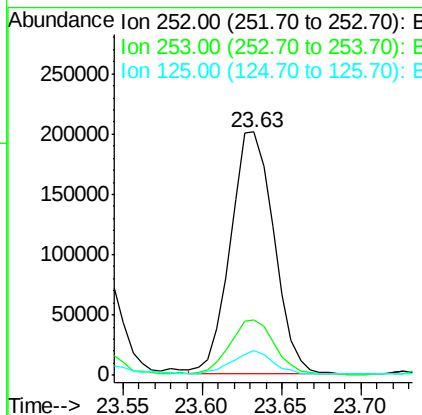
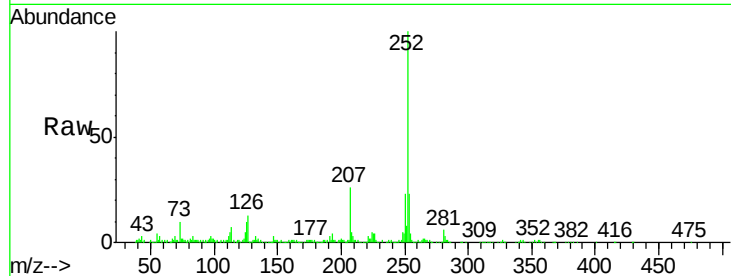
ClientSampleId :

CB327

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		380288		
253	22.6	17.1	25.7		
125	10.0	9.4	14.2		

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#28

Indeno(1,2,3-cd)pyrene

Concen: 3.93 ng/ul

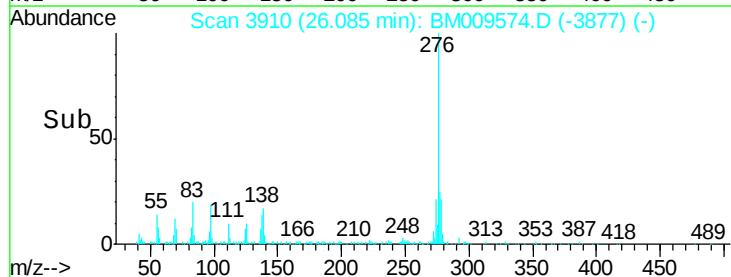
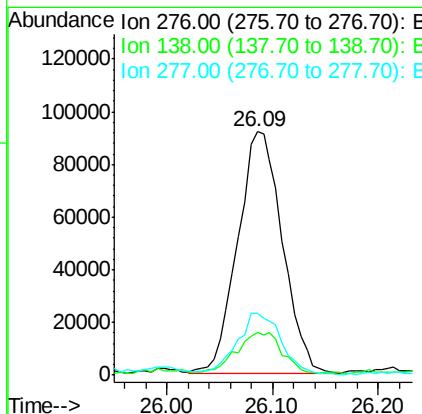
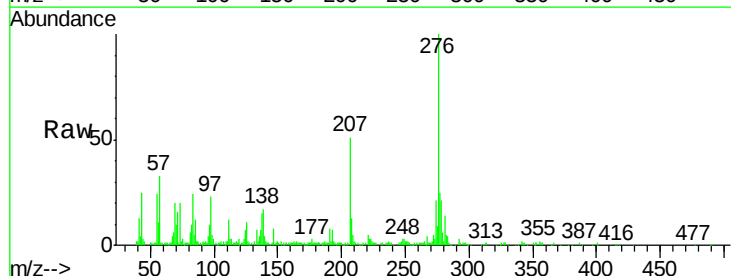
RT: 26.09 min Scan# 3910

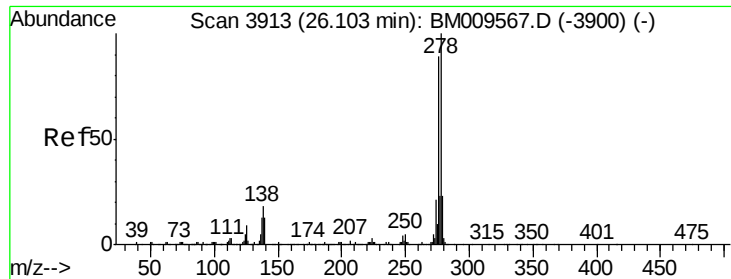
Delta R.T. -0.01 min

Lab File: BM009574.D

Acq: 06 Apr 2017 00:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		269018		
138	17.4	17.8	26.6#		
277	25.2	19.4	29.0		





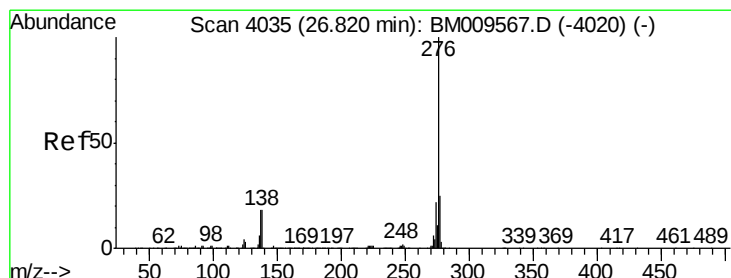
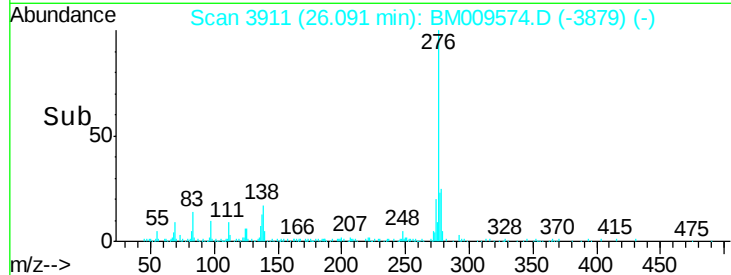
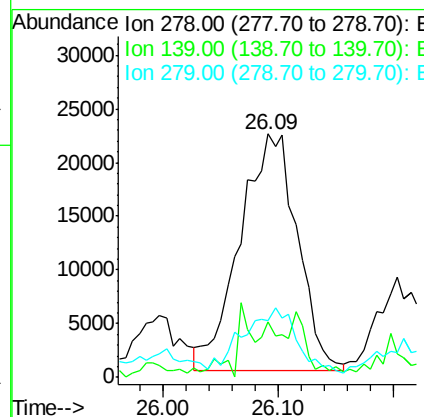
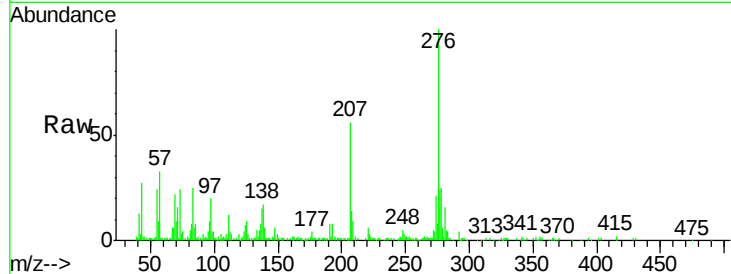
#29
Dibenzo(a,h)anthracene
Concen: 1.31 ng/ul m
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
278	100		
139	22.9	14.0	21.0#
279	23.4	20.6	31.0

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#30
Benzo(g,h,i)perylene
Concen: 4.12 ng/ul
RT: 26.81 min Scan# 4034
Delta R.T. -0.01 min
Lab File: BM009574.D
Acq: 06 Apr 2017 00:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.9	19.0	28.4#
277	23.5	19.7	29.5

