

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
 Data File : BM009280.D
 Acq On : 17 Mar 2017 18:49
 Operator : SJ/MA
 Sample : I2285-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB318

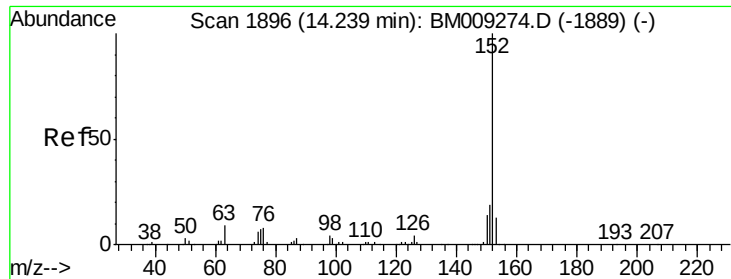
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Quant Time: Mar 18 00:58:25 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	100381	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	469790	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	326341	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	872974	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1385391	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1441583	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	25433	3.34	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	476471	17.22	ng/ul	0.00
10) Fluorene-d10	15.51	176	398153	16.42	ng/ul	0.00
15) Anthracene-d10	17.36	188	684533	16.50	ng/ul	0.00
19) Pyrene-d10	19.65	212	902315	16.25	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1043639	15.92	ng/ul	0.00
Target Compounds						
8) Acenaphthylene	14.24	152	47508	1.70	ng/ul#	88
14) Phenanthrene	17.30	178	241928	4.92	ng/ul	96
16) Anthracene	17.39	178	62031	1.22	ng/ul	96
17) Fluoranthene	19.32	202	638380	10.25	ng/ul	95
20) Pyrene	19.68	202	641390	8.97	ng/ul#	92
21) Benzo(a)anthracene	21.42	228	469262	5.95	ng/ul	97
22) Chrysene	21.47	228	473640	6.36	ng/ul	97
24) Benzo(b)fluoranthene	23.06	252	852683	10.05	ng/ul#	86
25) Benzo(k)fluoranthene	23.10	252	283135m	3.54	ng/ul	
27) Benzo(a)pyrene	23.67	252	563675	6.90	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	26.14	276	439102	4.53	ng/ul#	92
29) Dibenzo(a,h)anthracene	26.13	278	123733m	1.51	ng/ul	
30) Benzo(g,h,i)perylene	26.87	276	379386	4.70	ng/ul#	92

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



#8

Acenaphthylene

Concen: 1.70 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. -0.00 min

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CB318

Tgt Ion:152 Resp: 47508
Ion Ratio Lower Upper

152 100

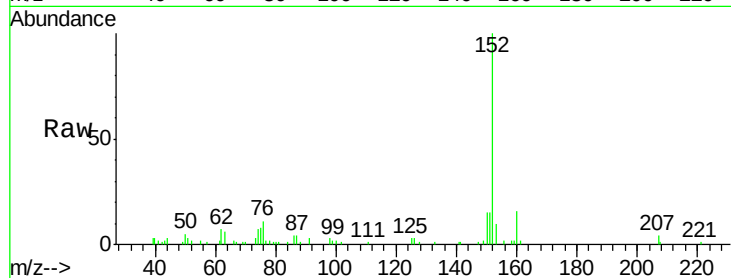
151 15.4 17.5 26.3#

153 9.8 10.6 16.0#

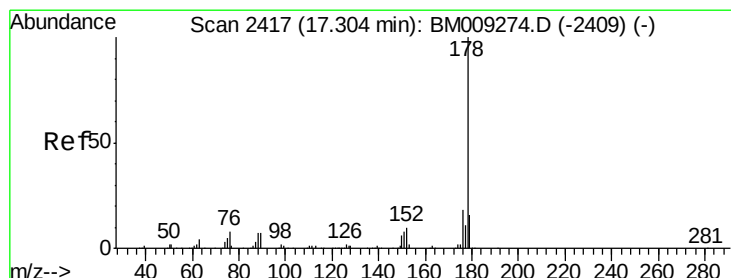
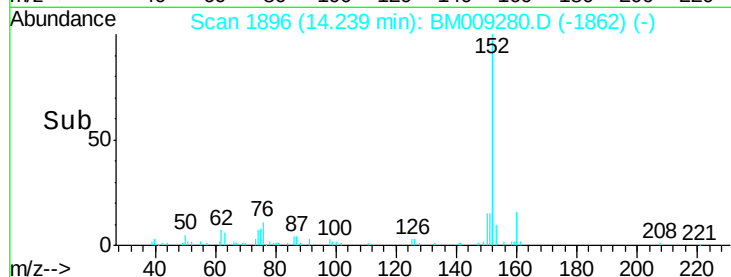
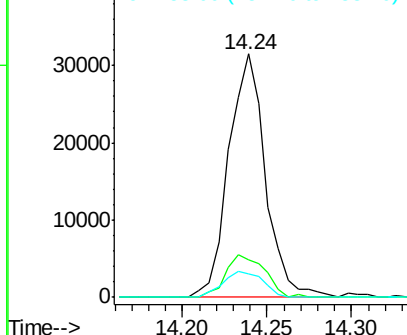
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#14

Phenanthrene

Concen: 4.92 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BM009280.D

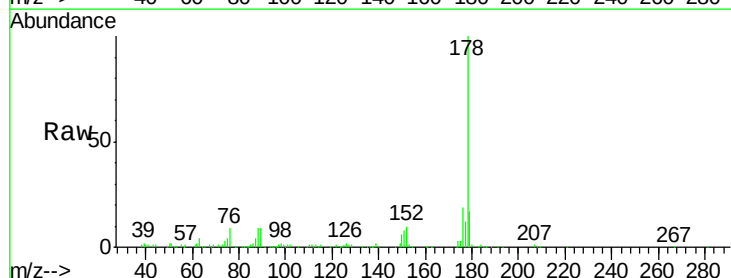
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Tgt Ion:178 Resp: 241928
Ion Ratio Lower Upper

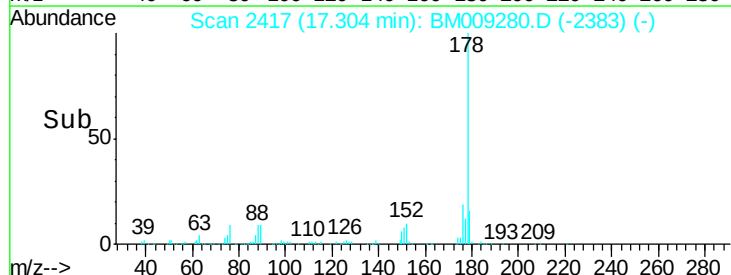
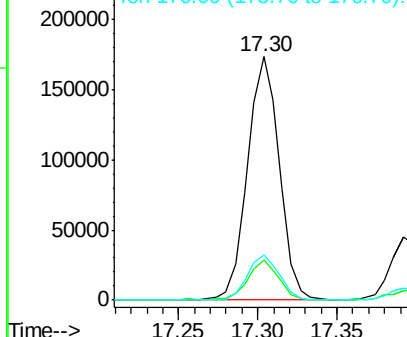
178 100

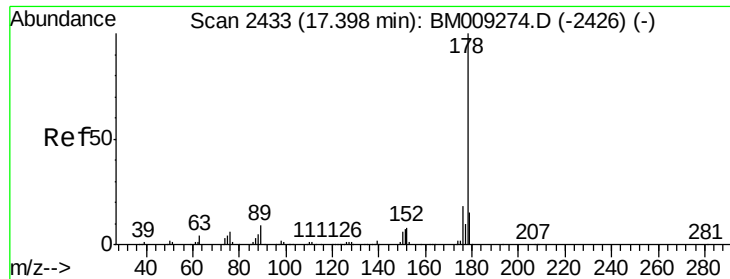
179 16.7 12.2 18.4

176 18.8 16.4 24.6



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





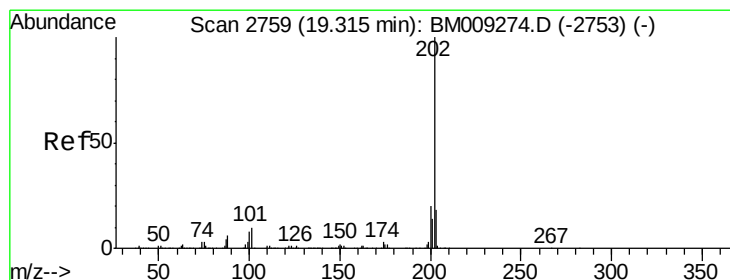
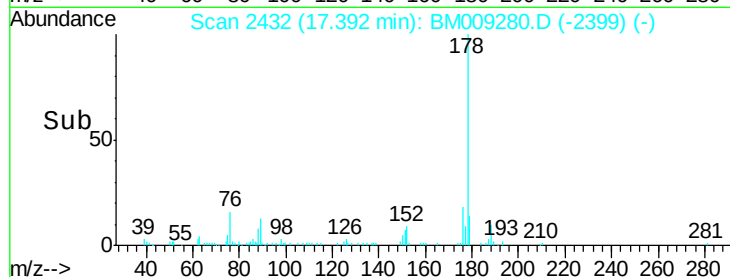
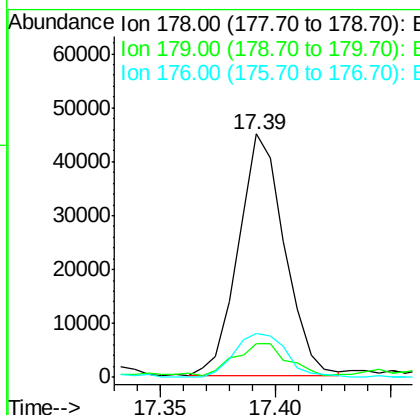
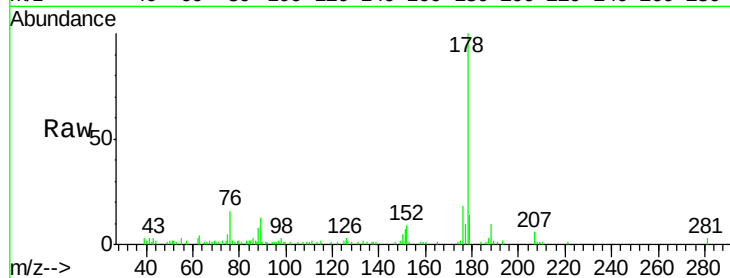
#16
 Anthracene
 Concen: 1.22 ng/ul
 RT: 17.39 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

Instrument :
 BNA_M
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.0	12.7	19.1
176	17.9	15.8	23.8

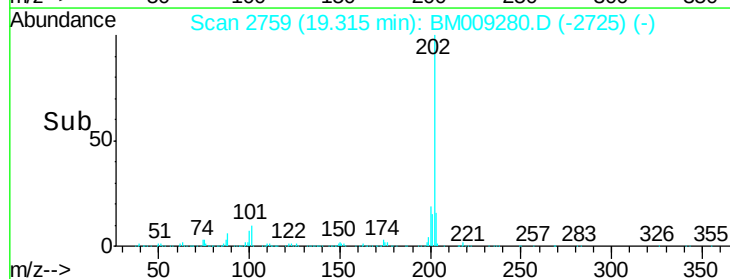
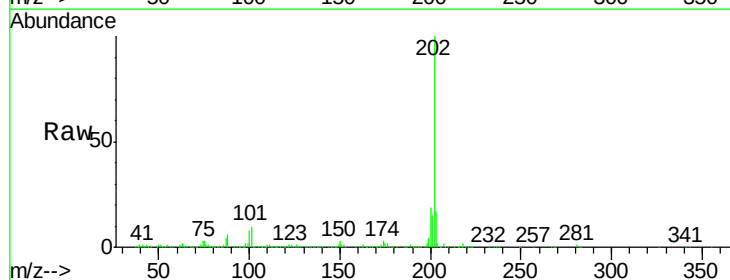
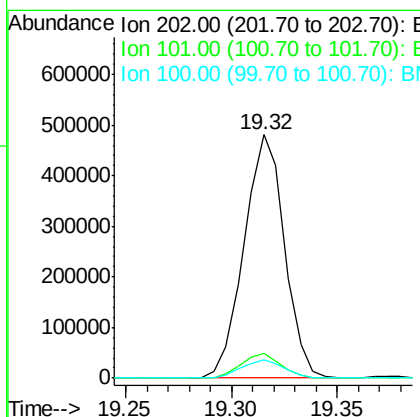
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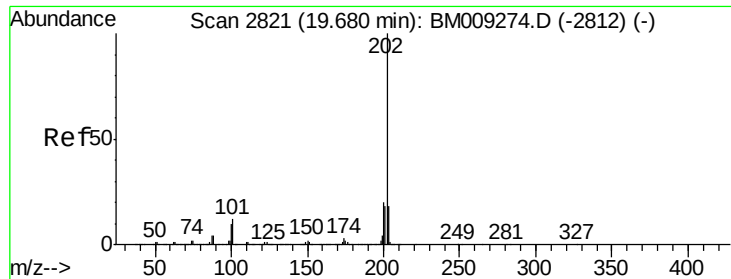
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#17
 Fluoranthene
 Concen: 10.25 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. -0.00 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	9.8	14.8
100	7.5	7.5	11.3





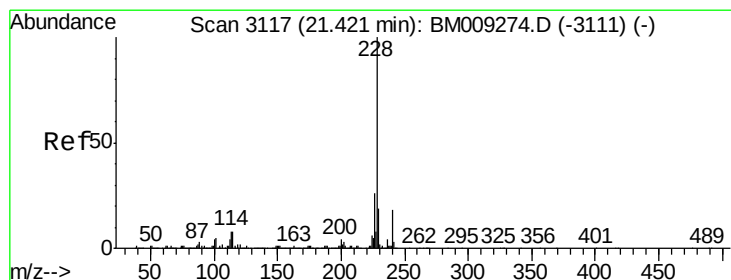
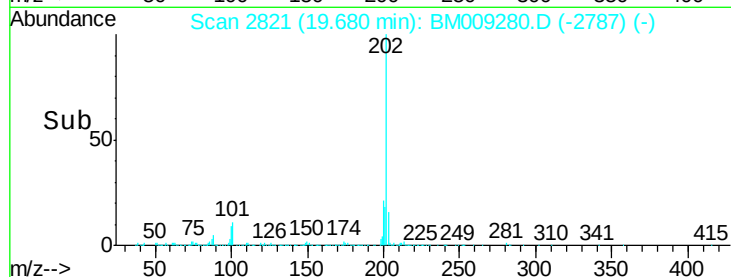
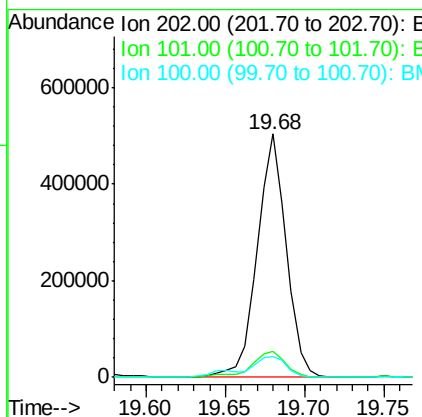
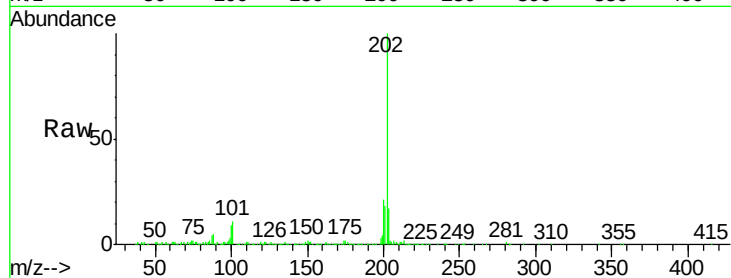
#20
 Pyrene
 Concen: 8.97 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. -0.00 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

Instrument :
 BNA_M
 ClientSampleId :
 CB318

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	11.2	16.8#
100	8.8	9.8	14.6#

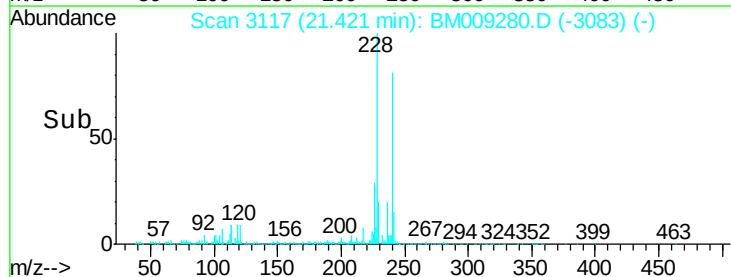
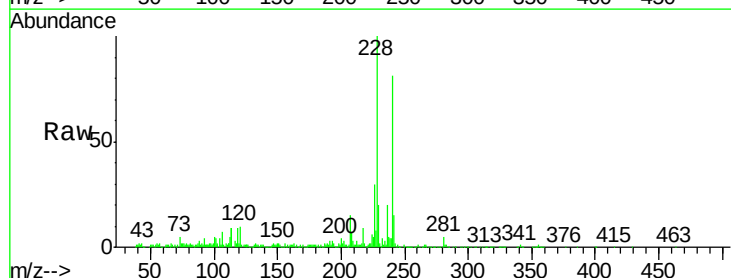
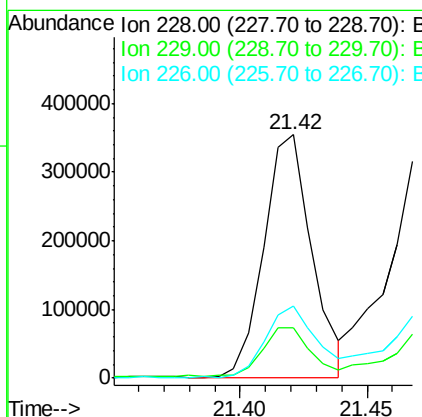
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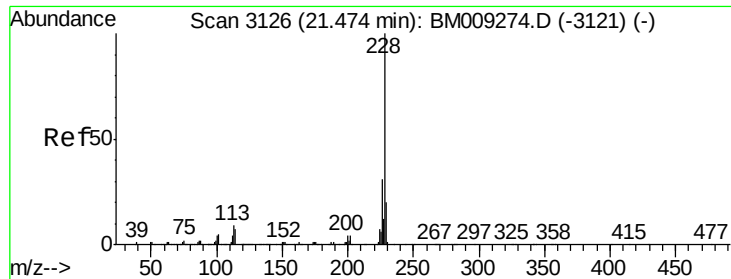
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#21
 Benzo(a)anthracene
 Concen: 5.95 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: BM009280.D
 Acq: 17 Mar 2017 18:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.4	15.9	23.9
226	29.6	22.1	33.1





#22

Chrysene

Concen: 6.36 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

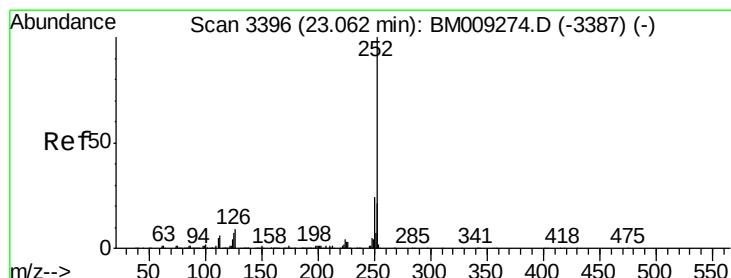
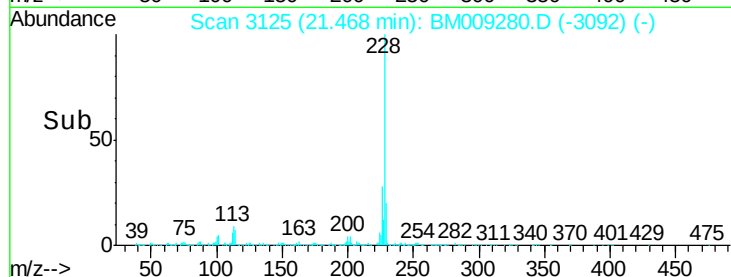
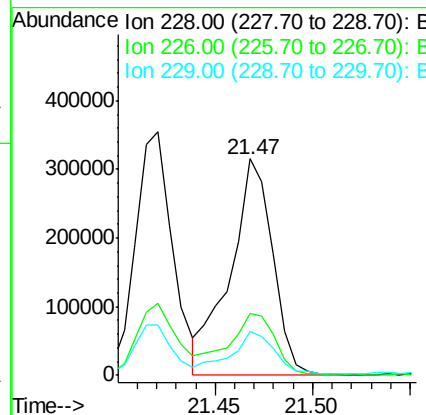
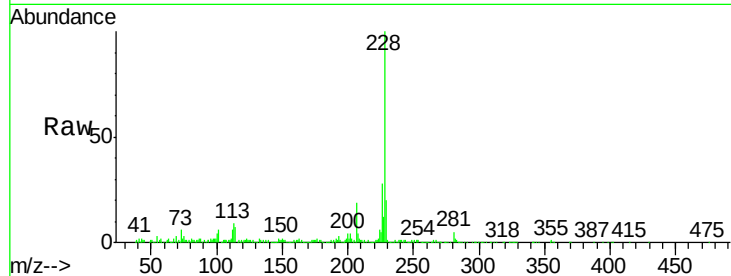
ClientSampleId :

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Tgt Ion:	228	Resp:	473640
Ion Ratio	Lower	Upper	
228	100		
226	28.5	25.0	37.6
229	20.4	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 10.05 ng/ul

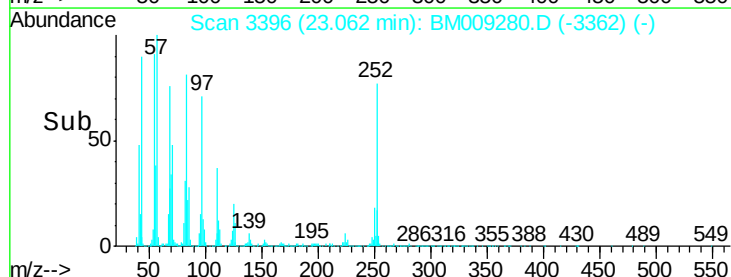
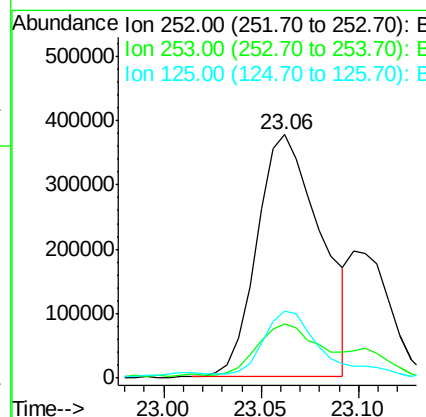
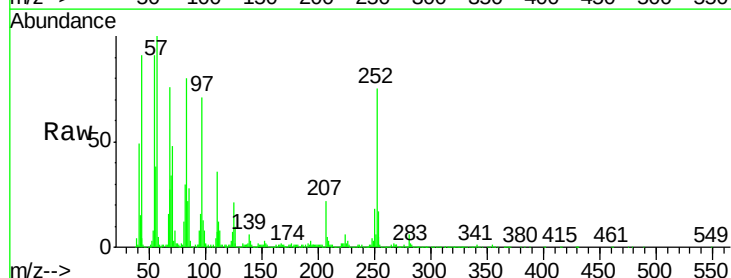
RT: 23.06 min Scan# 3396

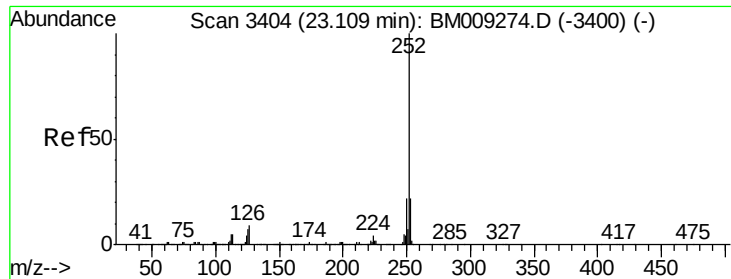
Delta R.T. -0.00 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Tgt Ion:	252	Resp:	852683
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.8	26.6
125	27.5	9.4	14.0#





#25

Benzo(k)fluoranthene

Concen: 3.54 ng/ul m

RT: 23.10 min Scan# 3402

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

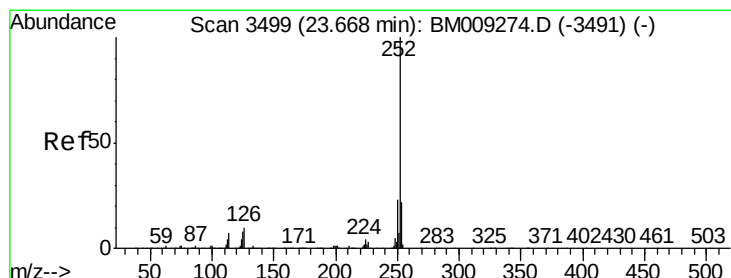
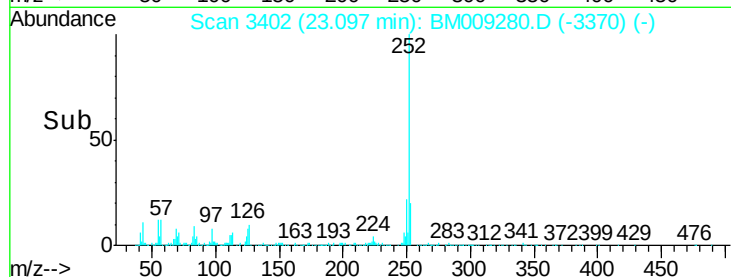
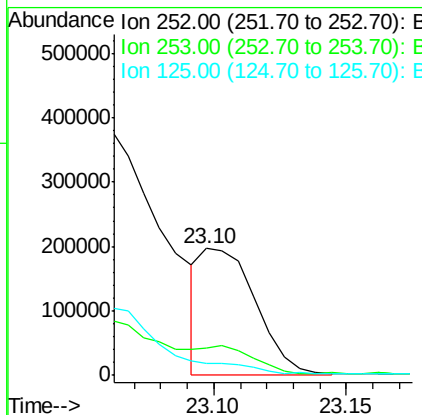
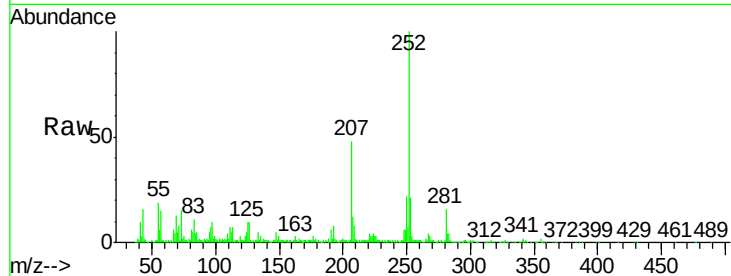
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Tgt Ion:	252	Resp:	283135
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.4	26.2
125	9.7	8.8	13.2

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#27

Benzo(a)pyrene

Concen: 6.90 ng/ul

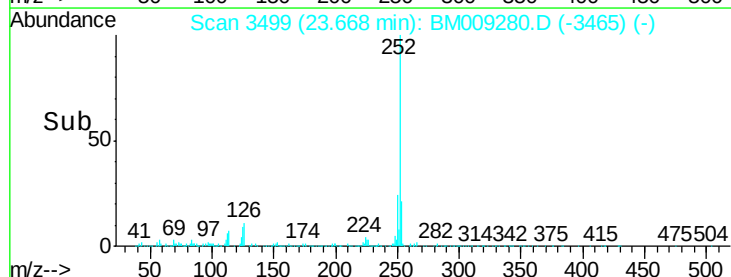
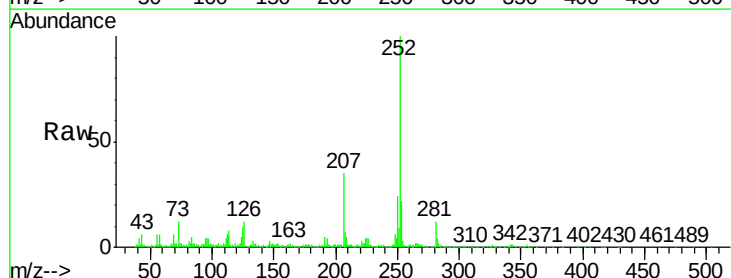
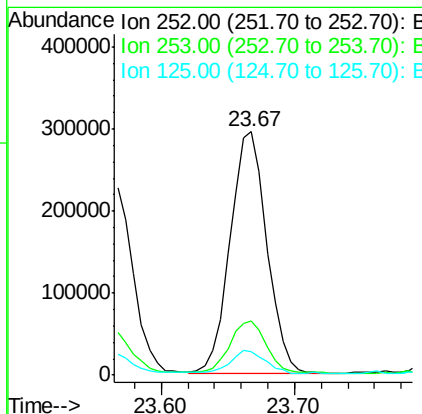
RT: 23.67 min Scan# 3499

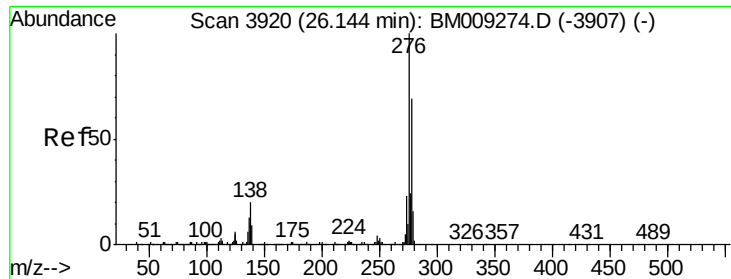
Delta R.T. -0.00 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Tgt Ion:	252	Resp:	563675
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	9.5	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 4.53 ng/ul

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

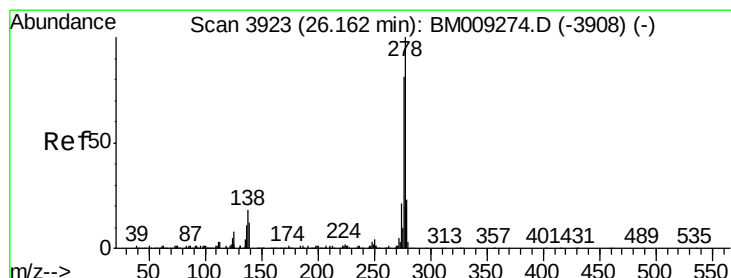
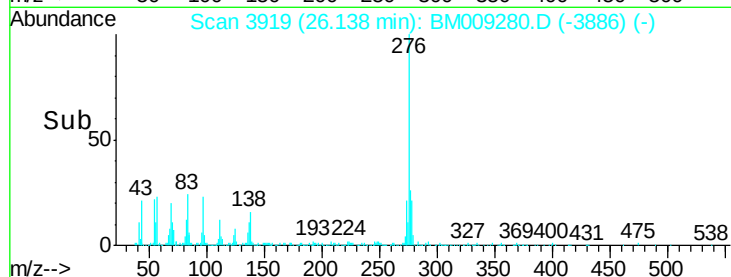
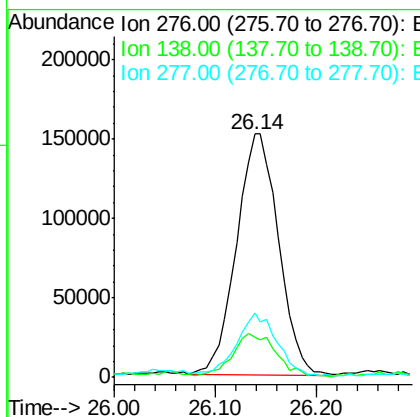
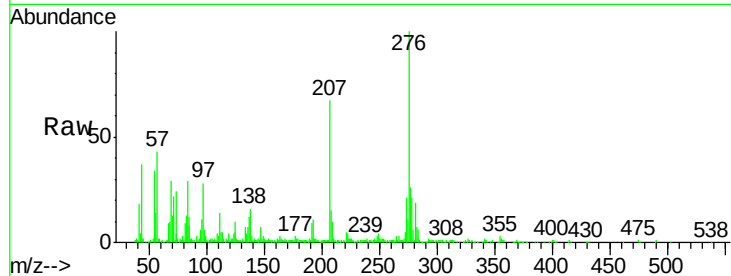
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	17.8	26.6#
277	26.3	19.4	29.0

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#29

Dibenzo(a,h)anthracene

Concen: 1.51 ng/ul m

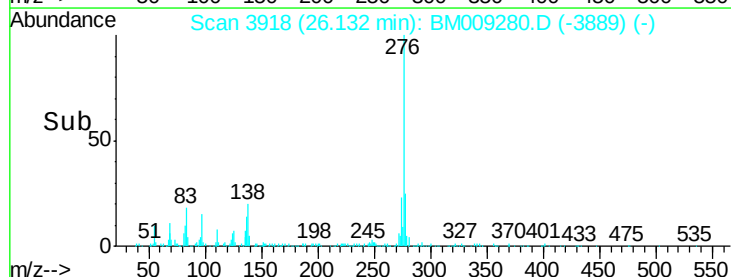
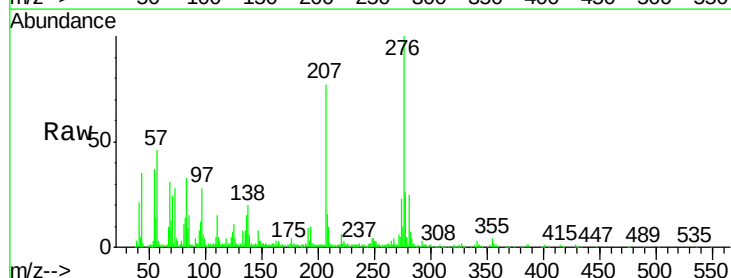
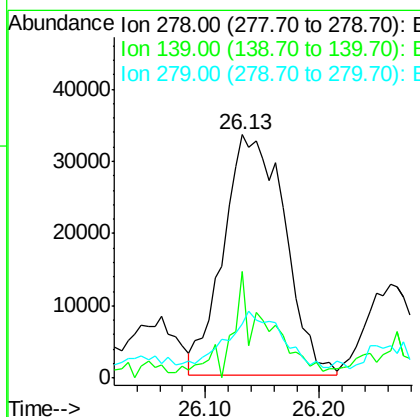
RT: 26.13 min Scan# 3918

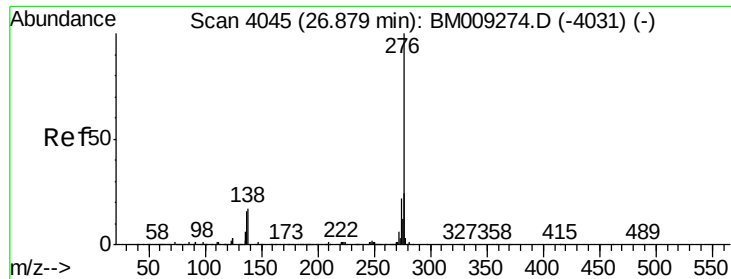
Delta R.T. -0.03 min

Lab File: BM009280.D

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Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.0	14.0	21.0#
279	22.0	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 4.70 ng/ul

RT: 26.87 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM009280.D

Acq: 17 Mar 2017 18:49

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:	276	Resp:	379386
Ion Ratio	Lower	Upper	
276	100		
138	17.2	19.0	28.4#
277	22.8	19.7	29.5

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