

Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
 Data File : BM009592.D
 Acq On : 06 Apr 2017 14:11
 Operator : SJ/MA
 Sample : I2524-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB322

Manual Integrations
 APPROVED

mohammad
 4/7/2017 2:10:01 PM

Quant Time: Apr 06 14:56:34 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 06 10:55:00 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	133418	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	527878	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	298840	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	701782	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	961598	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	930835	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	43168	5.32	ng/uL	0.00
7) Acenaphthylene-d8	14.17	160	389034	13.28	ng/ul	0.00
10) Fluorene-d10	15.48	176	284392	13.50	ng/ul	0.00
15) Anthracene-d10	17.33	188	462584	13.78	ng/ul	0.00
19) Pyrene-d10	19.63	212	572958	14.50	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	582593	14.18	ng/ul	0.00
Target Compounds						
14) Phenanthrene	17.27	178	244463	6.20	ng/ul	Qvalue 96
16) Anthracene	17.37	178	61388	1.50	ng/ul	96
17) Fluoranthene	19.29	202	487005m	9.91	ng/ul	
20) Pyrene	19.66	202	489022	9.34	ng/ul#	93
21) Benzo(a)anthracene	21.40	228	326374	6.00	ng/ul	98
22) Chrysene	21.45	228	301659	6.05	ng/ul	94
24) Benzo(b)fluoranthene	23.03	252	461843	8.02	ng/ul#	97
25) Benzo(k)fluoranthene	23.07	252	160796m	2.93	ng/ul	
27) Benzo(a)pyrene	23.63	252	320428m	5.85	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.10	276	235799	3.84	ng/ul	95
29) Dibenzo(a,h)anthracene	26.11	278	65620m	1.26	ng/ul	
30) Benzo(a,h,i)perylene	26.83	276	212606	4.20	ng/ul#	92

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

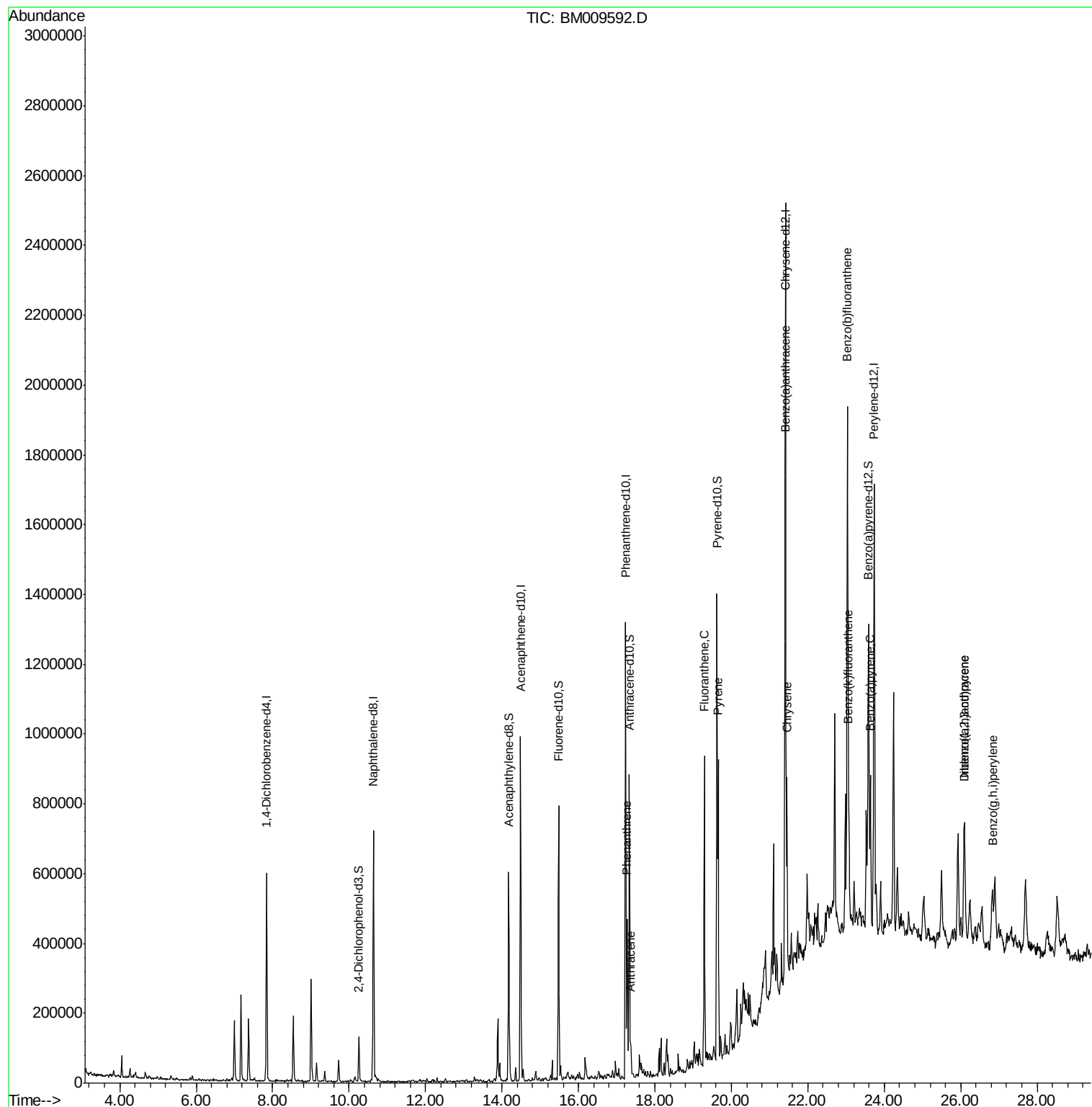
Data Path : Z:\HPCHEM1\BNA M\DATA\BM040717\
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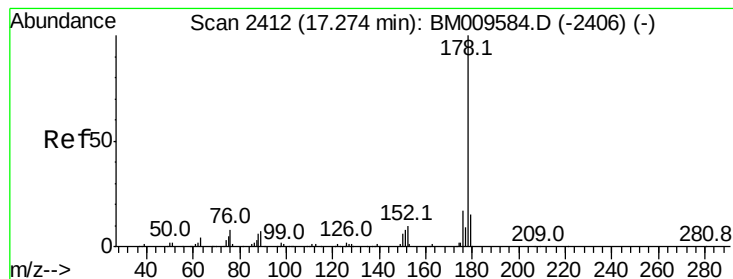
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
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QLast Update : Thu Apr 06 10:55:00 2017
Response via : Initial Calibration





#14

Phenanthrene

Concen: 6.20 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. 0.00 min

Lab File: BM009592.D

Acq: 06 Apr 2017 14:11

Instrument :

BNA_M

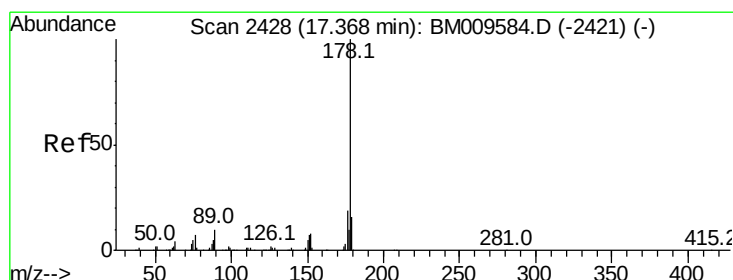
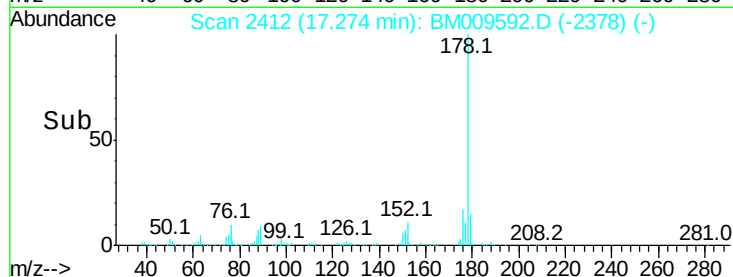
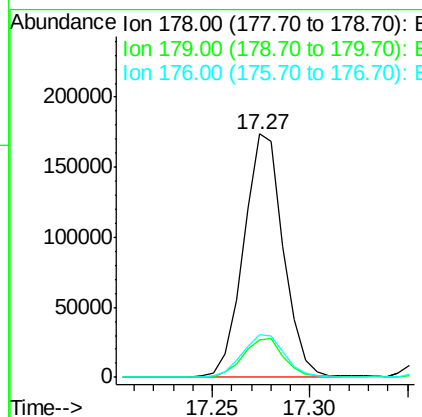
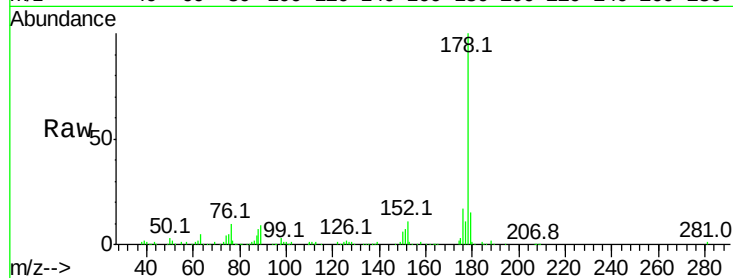
ClientSampleId :

CB322

Tot Ion:178	Resp:	244463
Ion Ratio	Lower	Upper
178	100	
179	15.3	12.2 18.4
176	17.3	16.4 24.6

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#16

Anthracene

Concen: 1.50 ng/ul

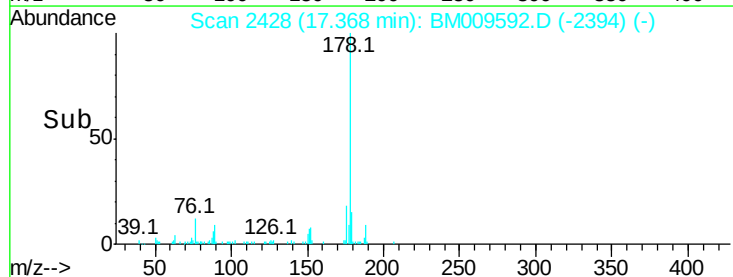
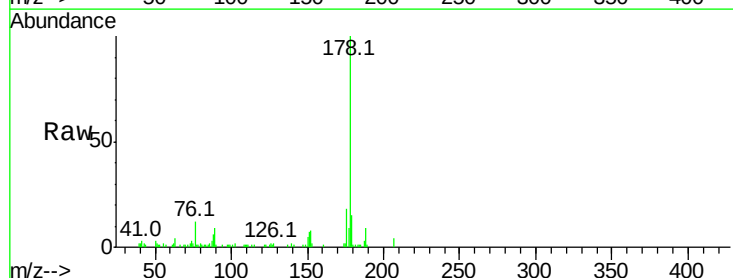
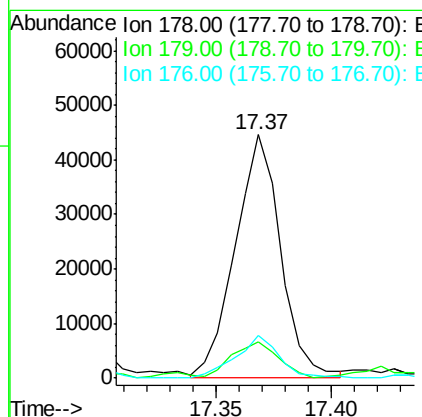
RT: 17.37 min Scan# 2428

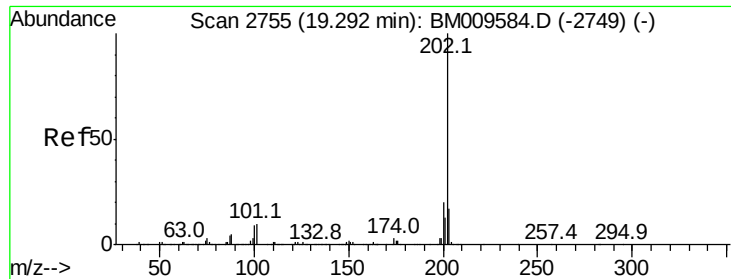
Delta R.T. 0.00 min

Lab File: BM009592.D

Acq: 06 Apr 2017 14:11

Tgt Ion:178	Resp:	61388
Ion Ratio	Lower	Upper
178	100	
179	14.7	12.7 19.1
176	17.7	15.8 23.8





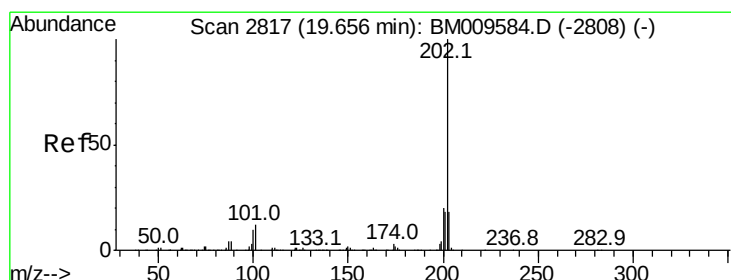
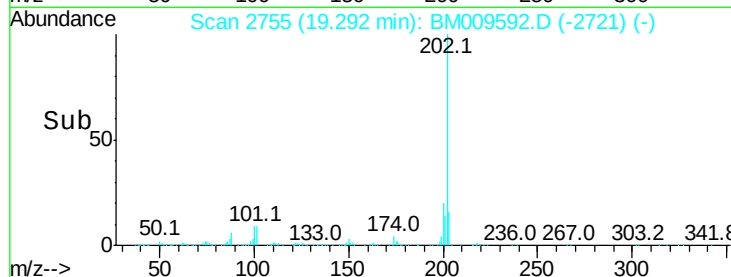
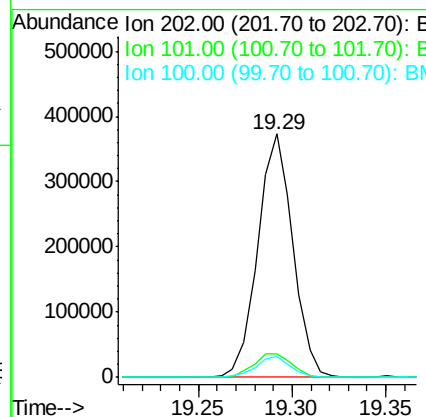
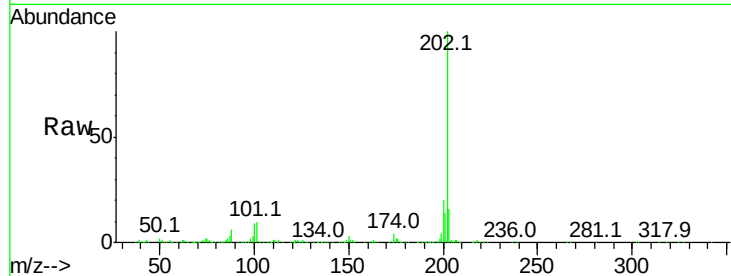
#17
Fluoranthene
 Concen: 9.91 ng/ul m
 RT: 19.29 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM009592.D
 Acq: 06 Apr 2017 14:11

Instrument :
 BNA_M
 ClientSampleId :
 CB322

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	9.8	14.8#
100	8.7	7.5	11.3

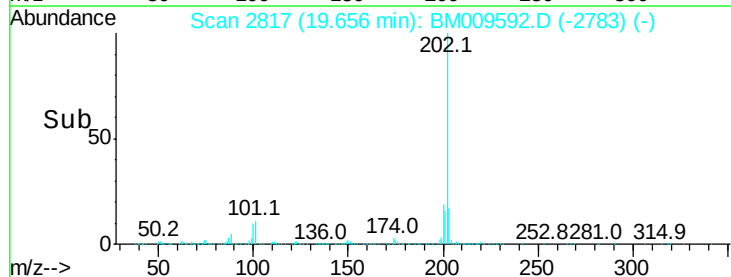
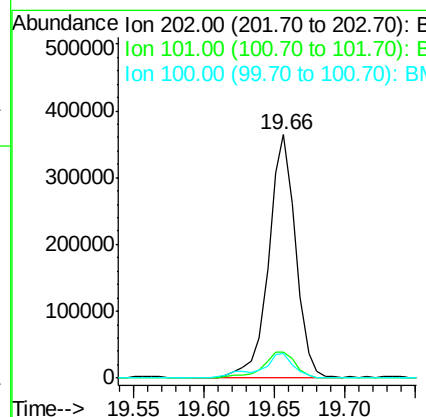
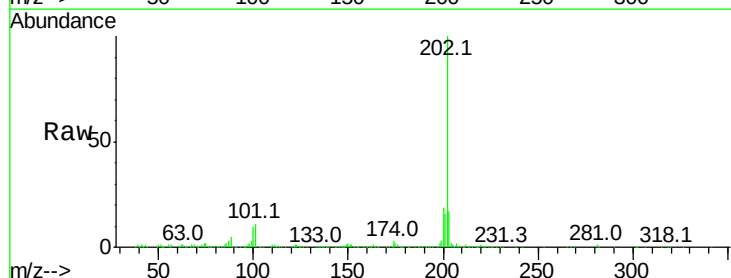
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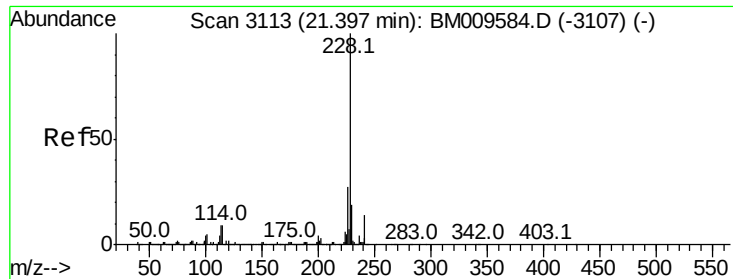
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#20
Pyrene
 Concen: 9.34 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM009592.D
 Acq: 06 Apr 2017 14:11

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.9	11.2	16.8#
100	9.9	9.8	14.6





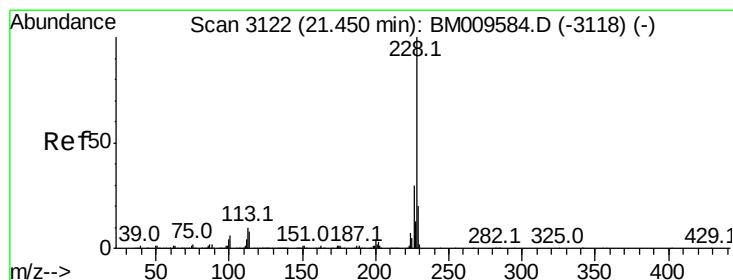
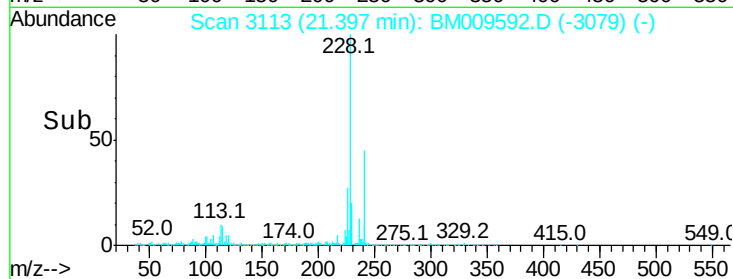
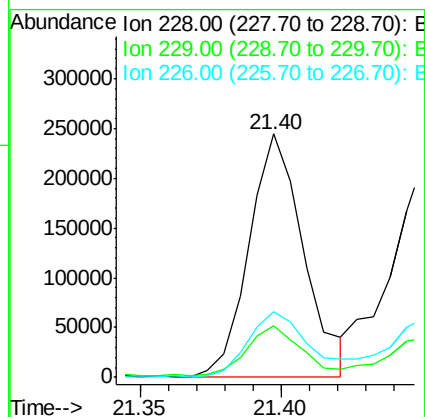
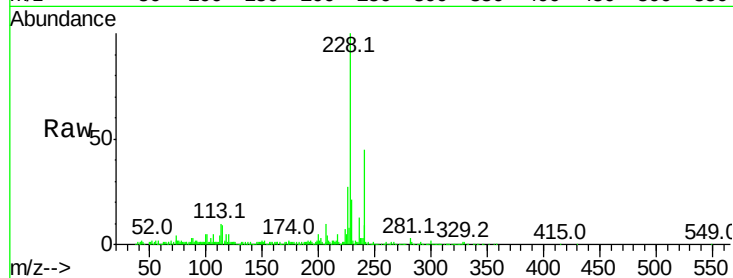
#21
Benzo(a)anthracene
Concen: 6.00 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM009592.D
Acq: 06 Apr 2017 14:11

Instrument :
BNA_M
ClientSampleId :
CB322

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.9	23.9
226	27.1	22.1	33.1

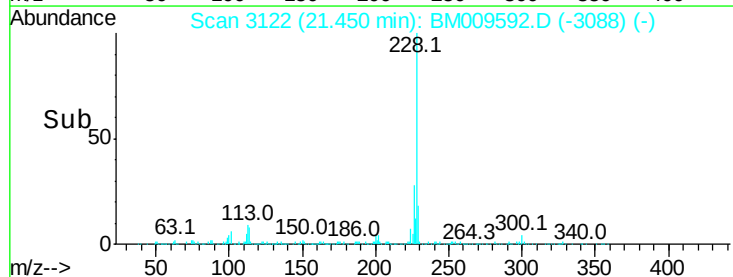
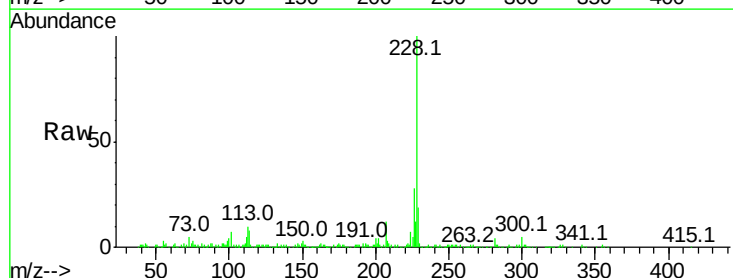
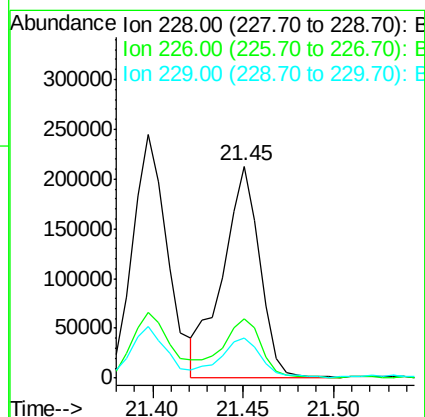
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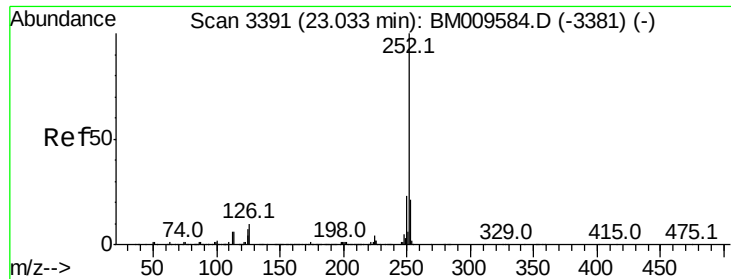
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#22
Chrysene
Concen: 6.05 ng/ul
RT: 21.45 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM009592.D
Acq: 06 Apr 2017 14:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	25.0	37.6
229	18.8	16.6	25.0





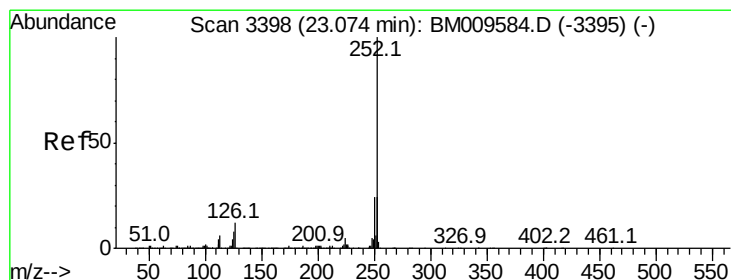
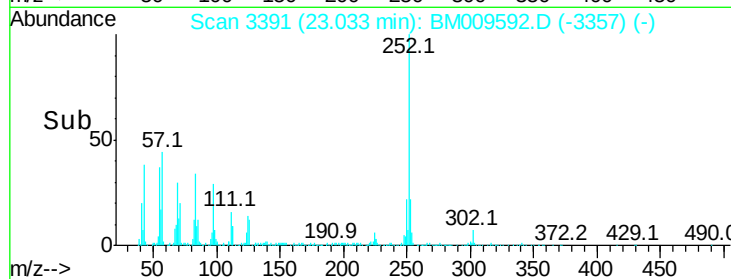
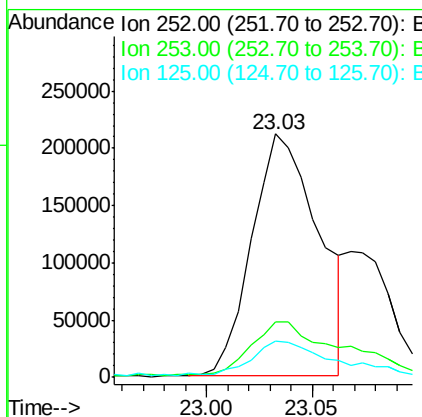
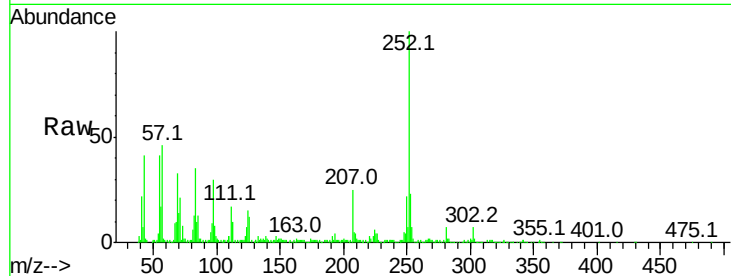
#24
Benzo(b)fluoranthene
Concen: 8.02 ng/ul
RT: 23.03 min Scan# 3391
Delta R.T. 0.00 min
Lab File: BM009592.D
Acq: 06 Apr 2017 14:11

Instrument :
BNA_M
ClientSampleId :
CB322

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	14.8	9.4	14.0

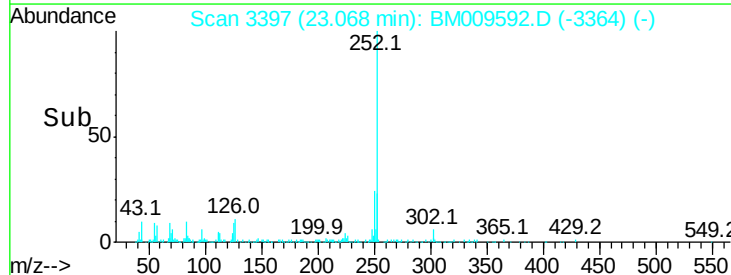
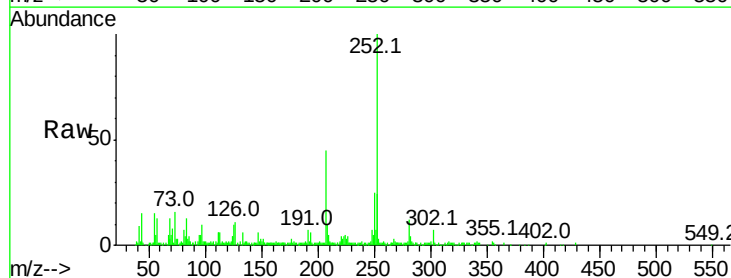
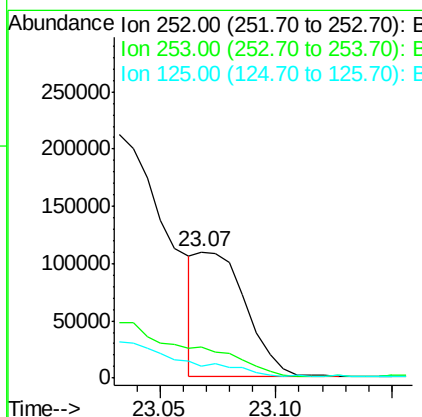
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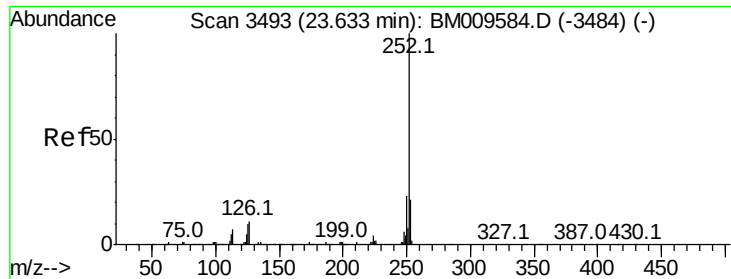
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#25
Benzo(k)fluoranthene
Concen: 2.93 ng/ul m
RT: 23.07 min Scan# 3397
Delta R.T. -0.01 min
Lab File: BM009592.D
Acq: 06 Apr 2017 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	9.9	8.8	13.2





#27

Benzo(a)pyrene

Concen: 5.85 ng/ul m

RT: 23.63 min Scan# 3493

Delta R.T. 0.00 min

Lab File: BM009592.D

Acq: 06 Apr 2017 14:11

Instrument :

BNA_M

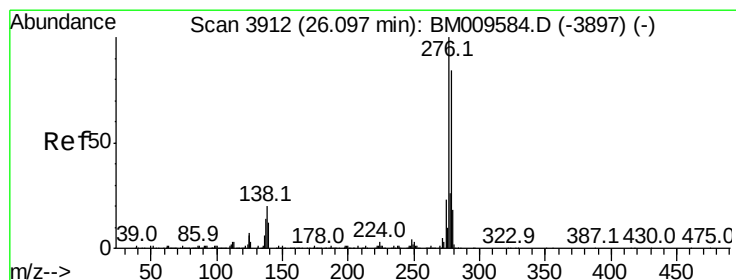
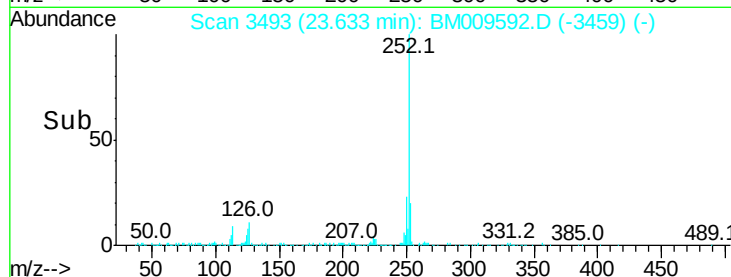
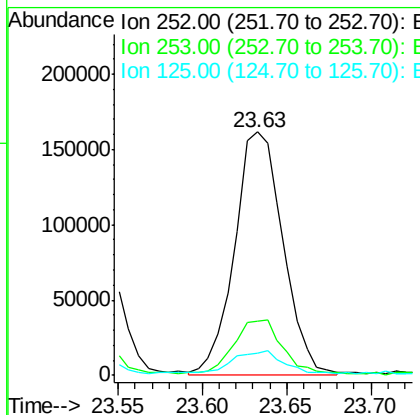
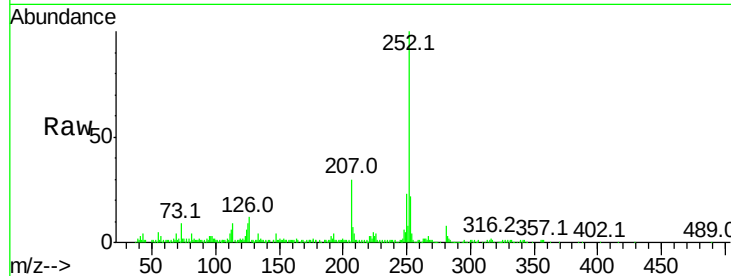
ClientSampleId :

CB322

Tot Ion:	252	Resp:	320428
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	9.2	9.4	14.2#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 3.84 ng/ul

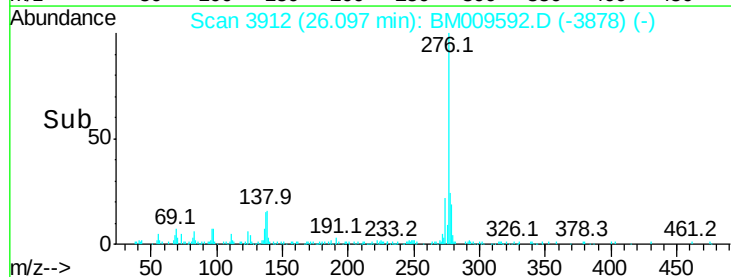
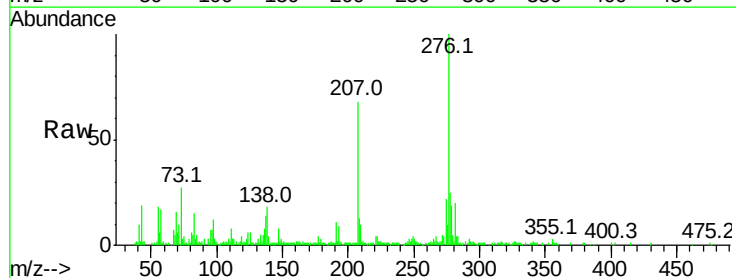
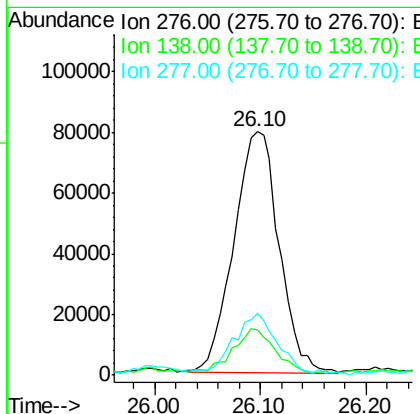
RT: 26.10 min Scan# 3912

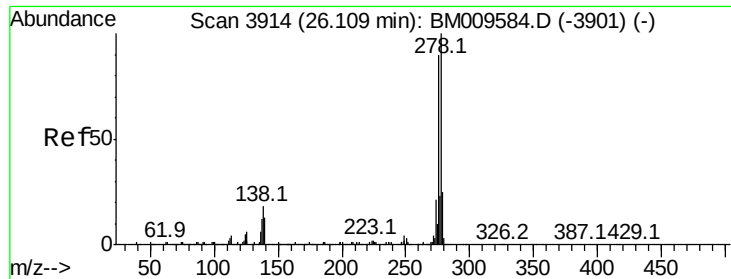
Delta R.T. 0.00 min

Lab File: BM009592.D

Acq: 06 Apr 2017 14:11

Tgt Ion:	276	Resp:	235799
Ion Ratio	Lower	Upper	
276	100		
138	18.3	17.8	26.6
277	25.2	19.4	29.0





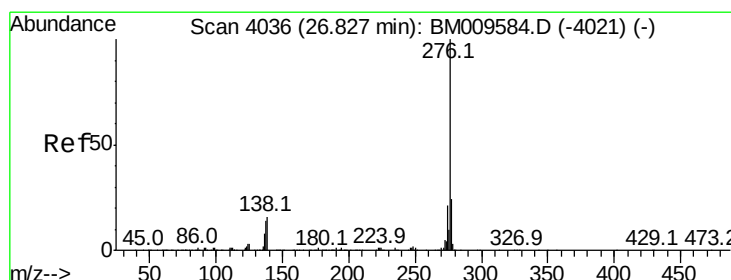
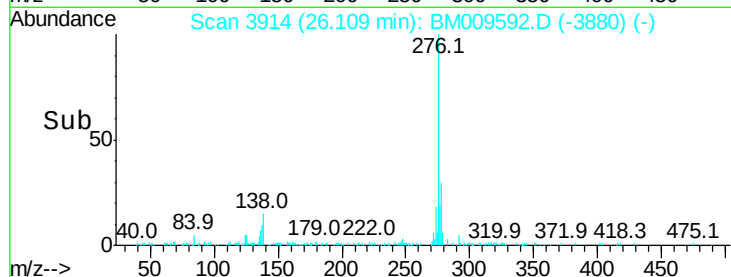
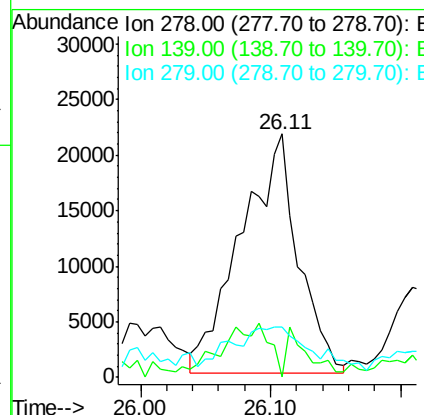
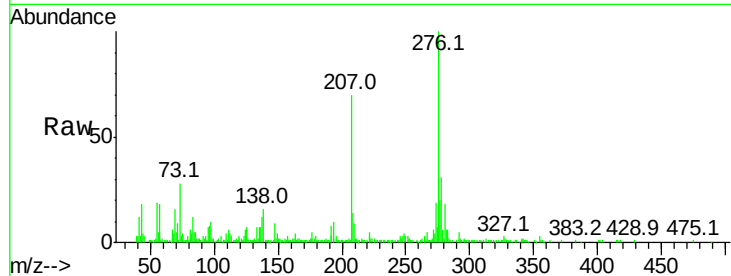
#29
Dibenzo(a,h)anthracene
Concen: 1.26 ng/ul m
RT: 26.11 min Scan# 3914
Delta R.T. 0.00 min
Lab File: BM009592.D
Acq: 06 Apr 2017 14:11

Instrument :
BNA_M
ClientSampled :
CB322

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	20.6	20.6	31.0#

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#30
Benzo(g,h,i)perylene
Concen: 4.20 ng/ul
RT: 26.83 min Scan# 4036
Delta R.T. 0.00 min
Lab File: BM009592.D
Acq: 06 Apr 2017 14:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	19.0	28.4#
277	22.5	19.7	29.5

