

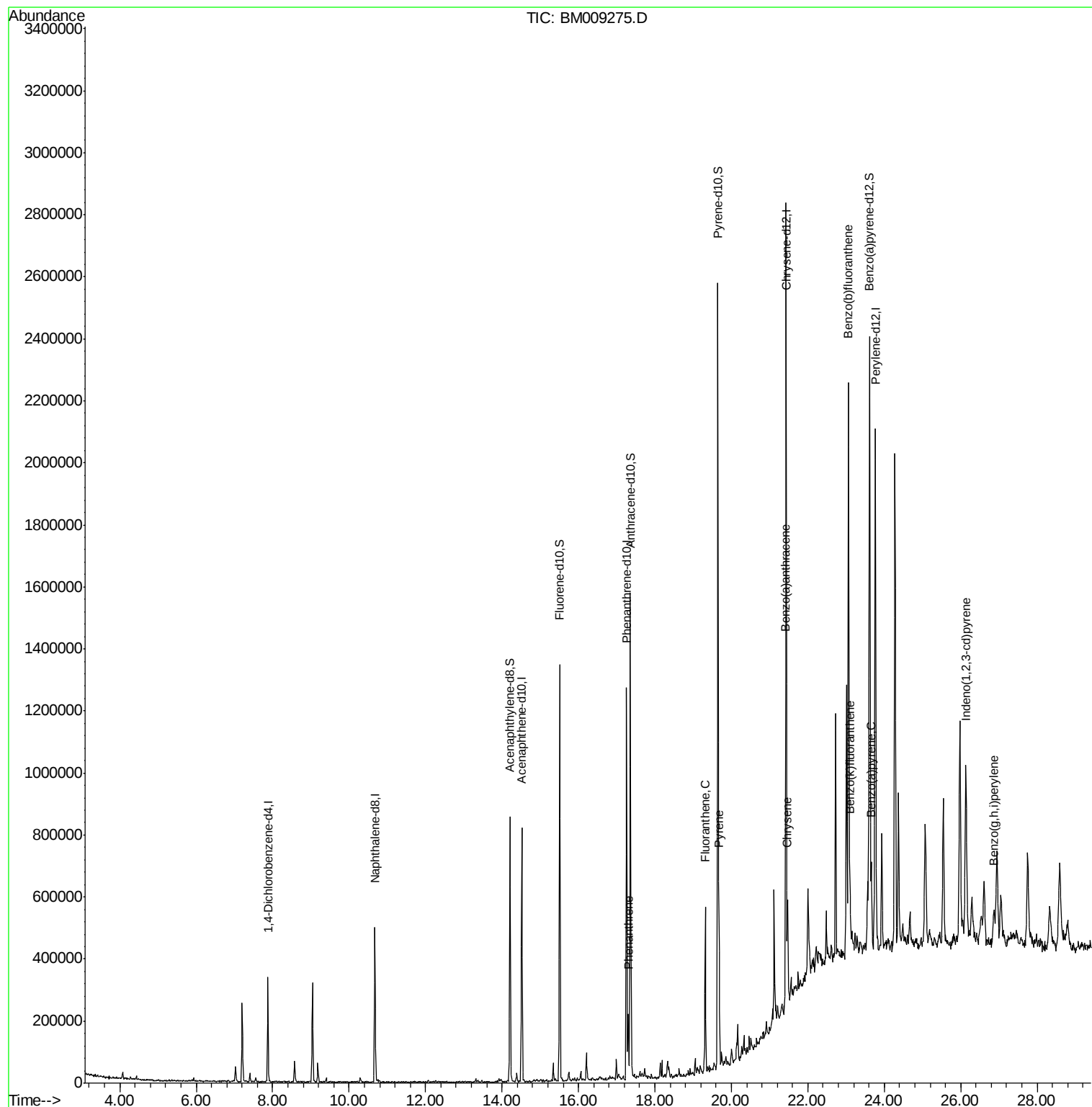
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
Data File : BM009275.D
Acq On : 17 Mar 2017 15:49
Operator : SJ/MA
Sample : I2218-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

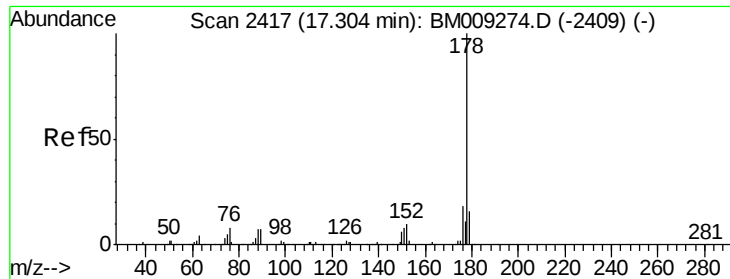
Instrument :
BNA_M
ClientSampleId :
CX924

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mohammad
3/20/2017 12:07:01 PM

Quant Time: Mar 18 00:49:18 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





#14

Phenanthrene

Concen: 2.92 ng/ul

RT: 17.30 min Scan# 2417

Delta R.T. 0.00 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

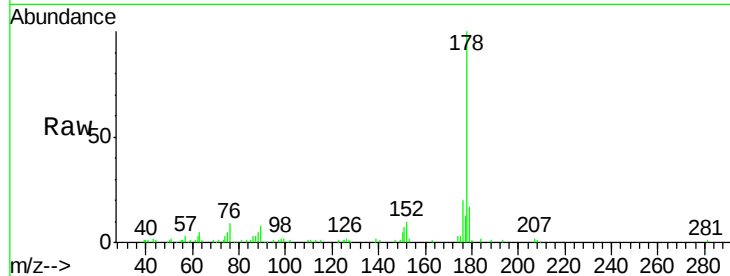
ClientSampleId :

CX924

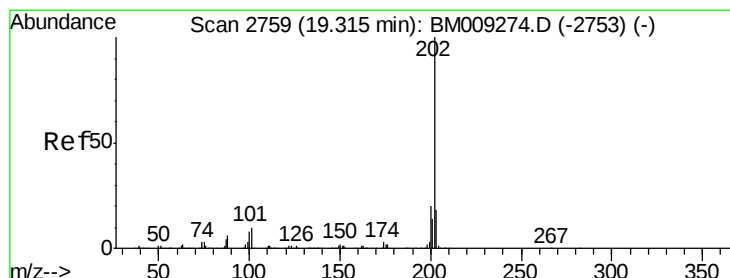
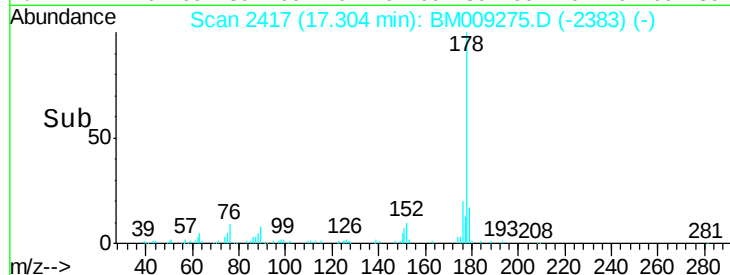
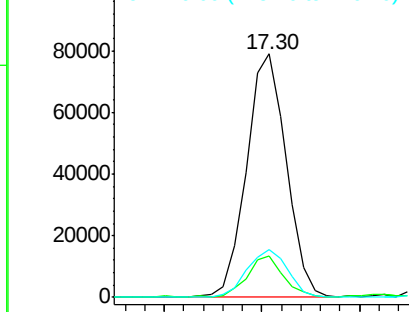
Tgt Ion:	178	Resp:	111062
Ion Ratio	Lower	Upper	
178	100		
179	17.2	12.2	18.4
176	19.6	16.4	24.6

Manual Integrations
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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



#17

Fluoranthene

Concen: 6.12 ng/ul

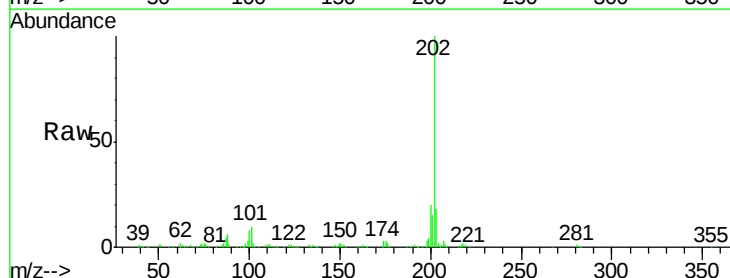
RT: 19.32 min Scan# 2759

Delta R.T. 0.00 min

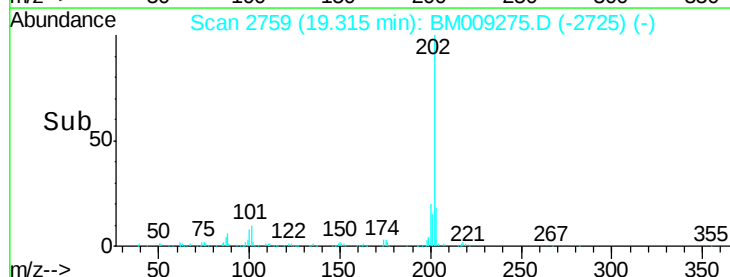
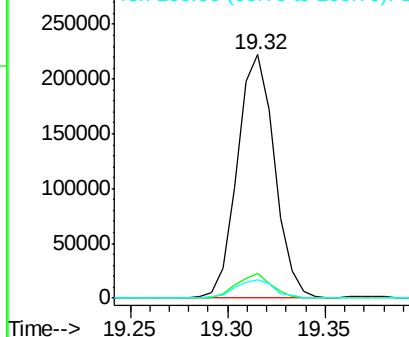
Lab File: BM009275.D

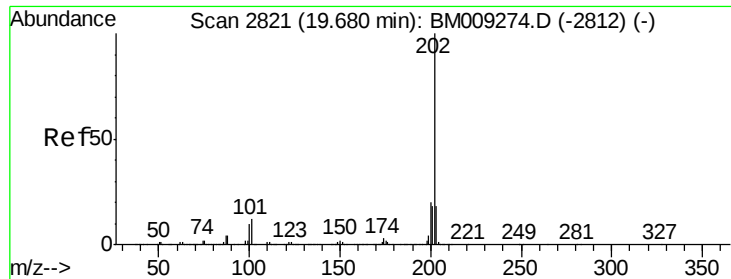
Acq: 17 Mar 2017 15:49

Tgt Ion:	202	Resp:	294685
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.8	14.8
100	7.5	7.5	11.3#



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





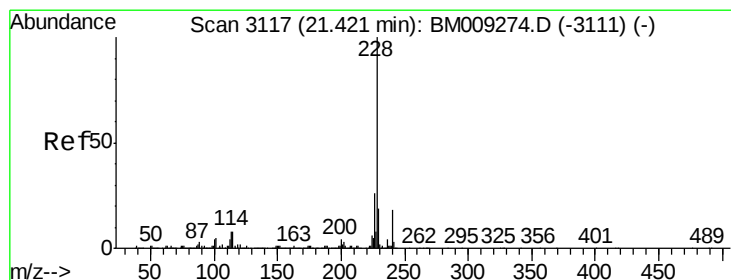
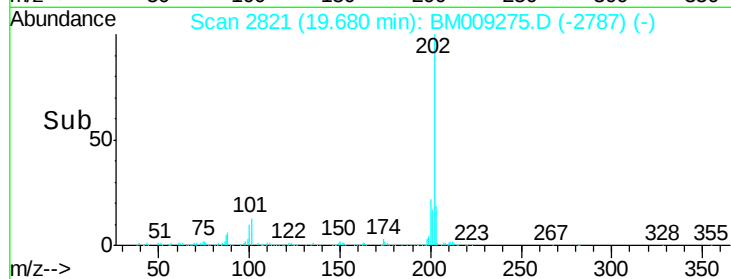
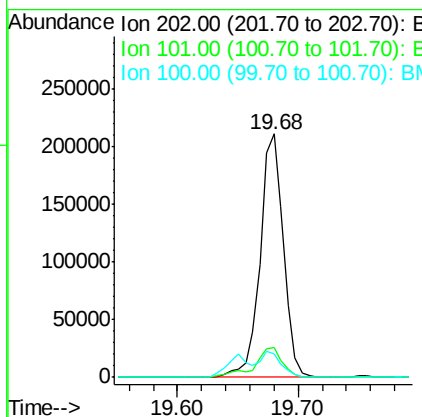
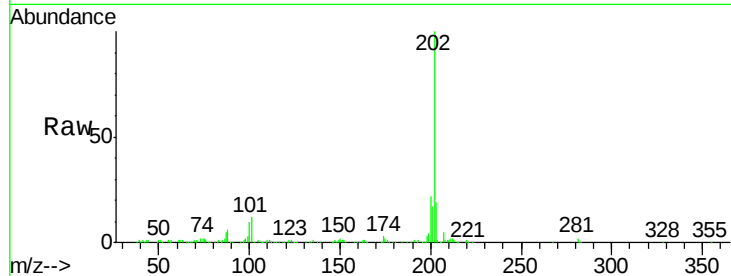
#20
 Pyrene
 Concen: 4.81 ng/ul
 RT: 19.68 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BM009275.D
 Acq: 17 Mar 2017 15:49

Instrument :
 BNA_M
 ClientSampled :
 CX924

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	11.2	16.8
100	9.7	9.8	14.6

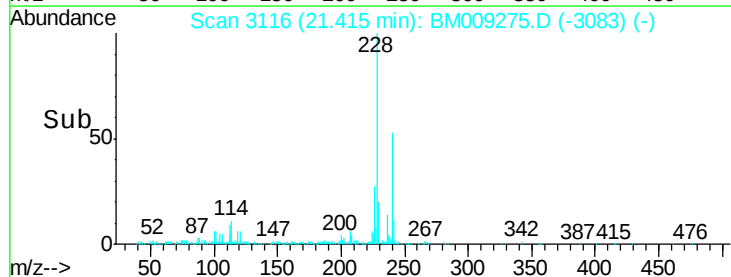
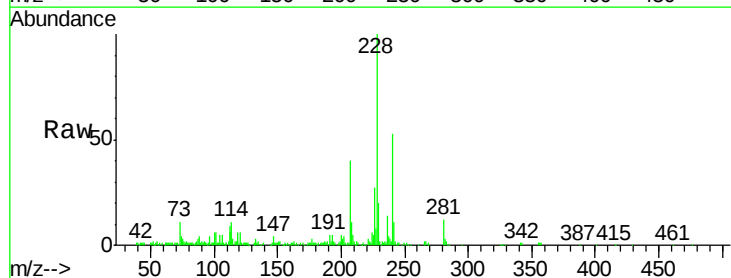
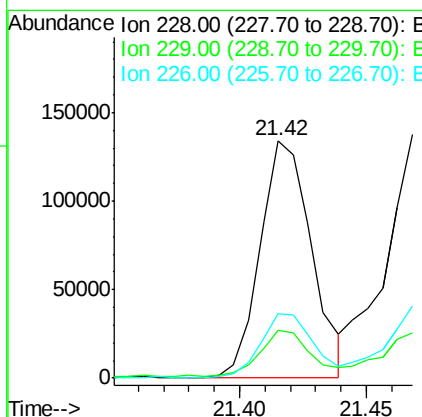
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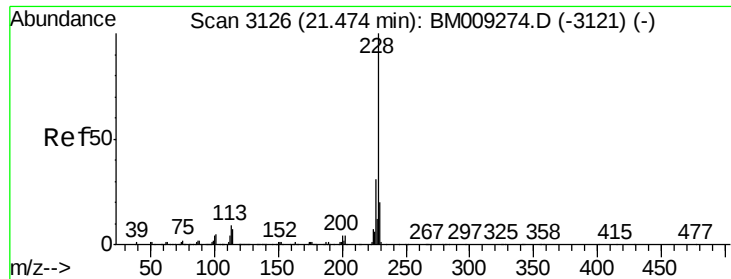
mohammad
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#21
 Benzo(a)anthracene
 Concen: 2.91 ng/ul
 RT: 21.42 min Scan# 3116
 Delta R.T. -0.01 min
 Lab File: BM009275.D
 Acq: 17 Mar 2017 15:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.4	15.9	23.9
226	27.0	22.1	33.1





#22

Chrysene

Concen: 3.33 ng/ul

RT: 21.47 min Scan# 3125

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

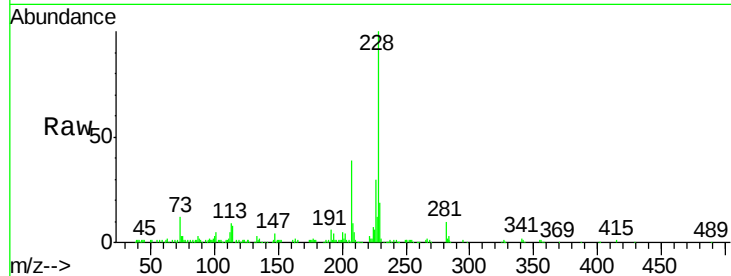
ClientSampleId :

CX924

Tgt	Ion	228	Resp	205952
	Ratio	100	Lower	Upper
	228	100		
	226	29.8	25.0	37.6
	229	18.6	16.6	25.0

Manual Integrations
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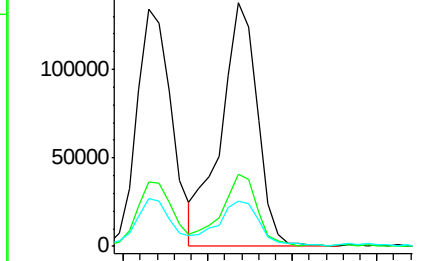
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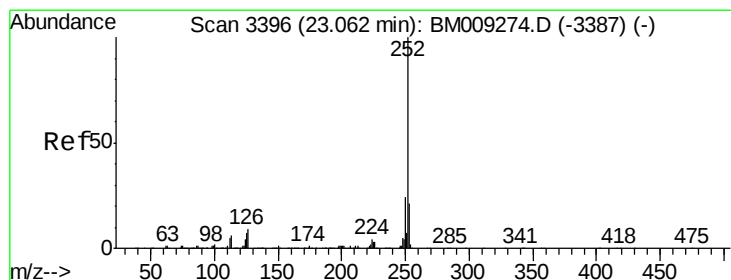
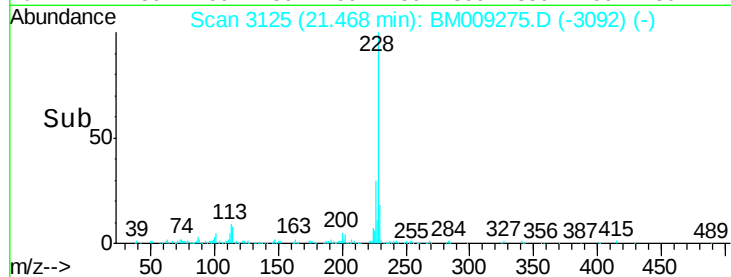
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#24

Benzo(b)fluoranthene

Concen: 4.34 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM009275.D

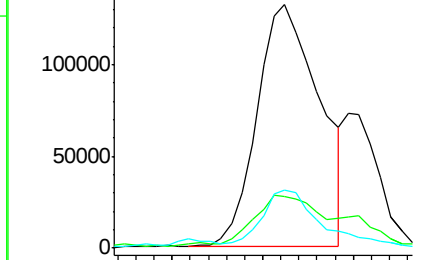
Acq: 17 Mar 2017 15:49

Tgt	Ion	252	Resp	318438
	Ratio	100	Lower	Upper
	252	100		
	253	21.3	17.8	26.6
	125	24.0	9.4	14.0#

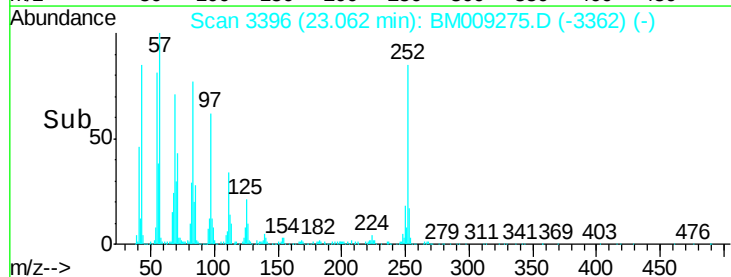
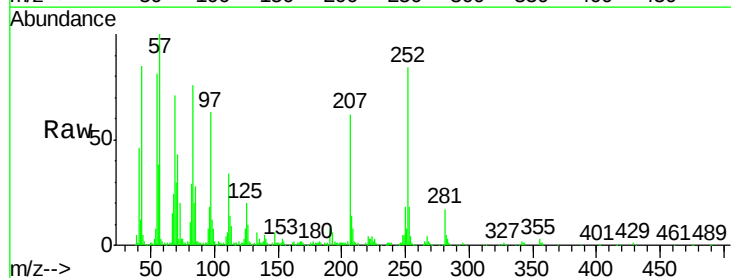
Abundance Ion 252.00 (251.70 to 252.70): E

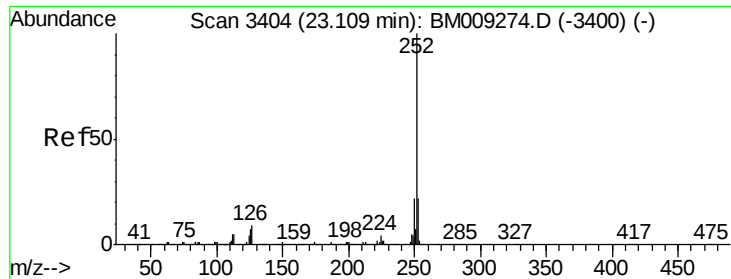
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(k)fluoranthene

Concen: 1.42 ng/ul m

RT: 23.10 min Scan# 3402

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

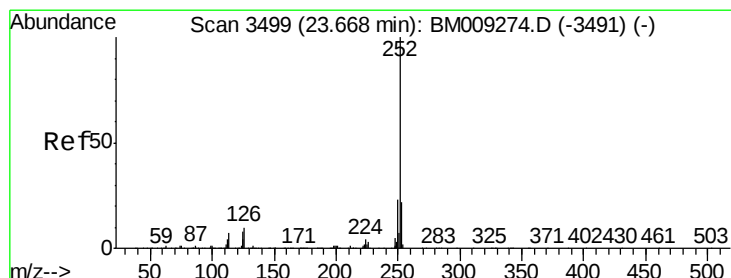
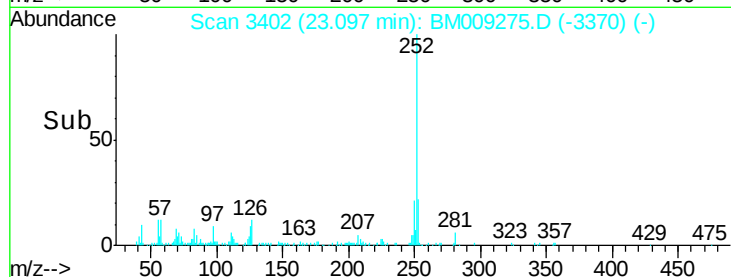
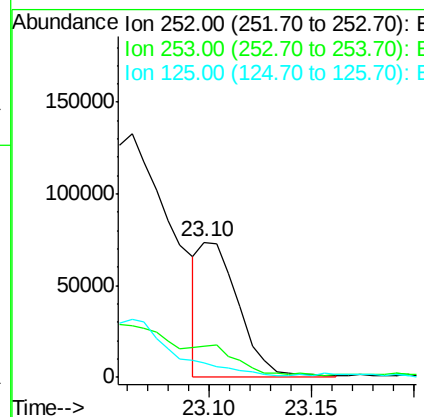
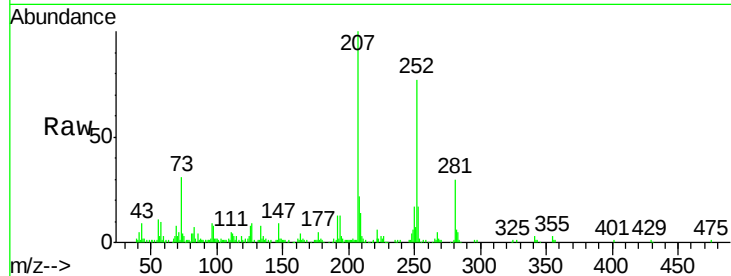
ClientSampleId :

CX924

Tgt Ion:	252	Resp:	98651
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	10.3	8.8	13.2

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#27

Benzo(a)pyrene

Concen: 2.46 ng/ul

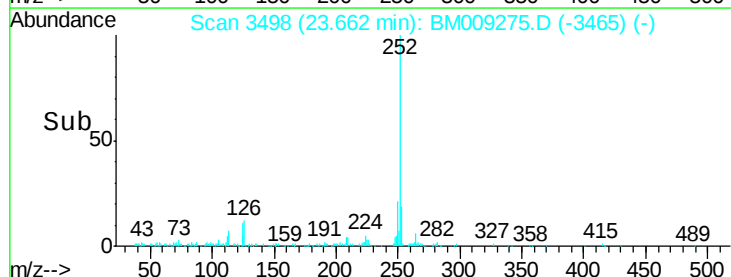
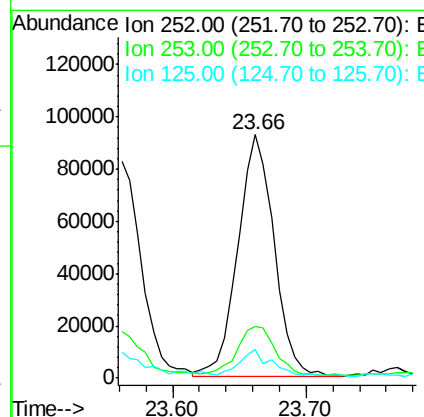
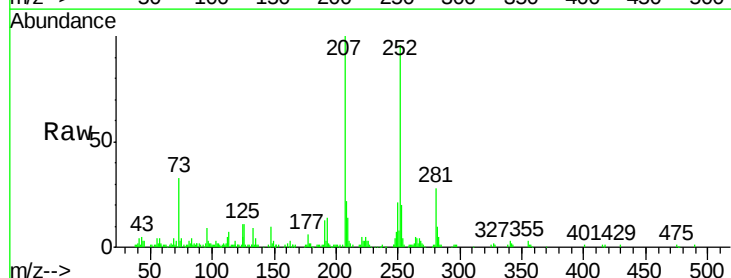
RT: 23.66 min Scan# 3498

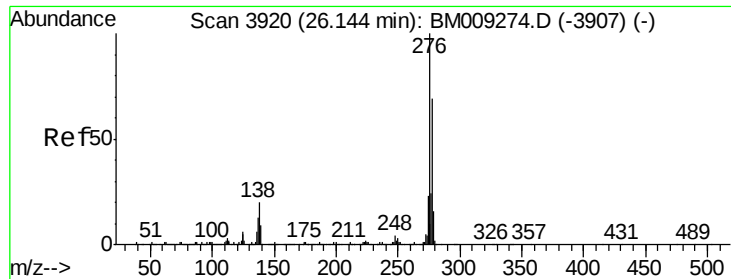
Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Tgt Ion:	252	Resp:	173446
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.1	25.7
125	11.5	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 1.93 ng/ul

RT: 26.14 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Instrument :

BNA_M

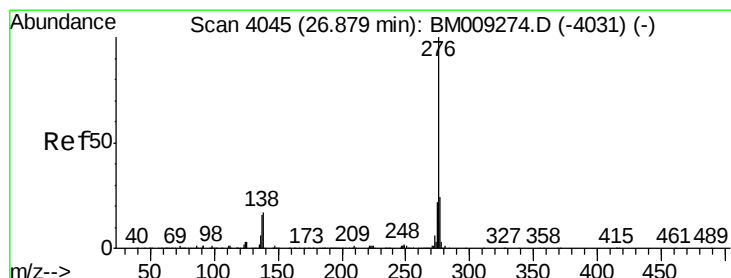
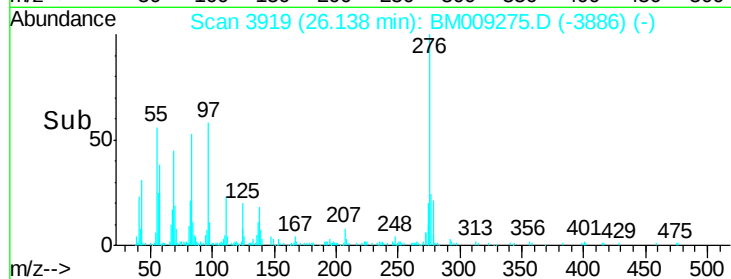
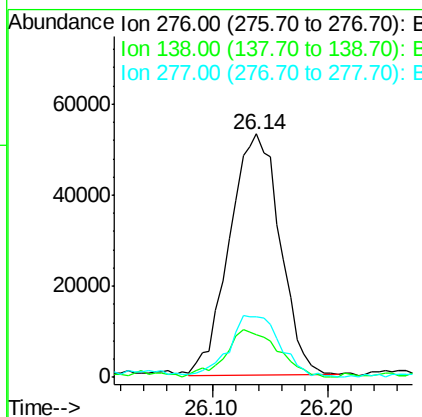
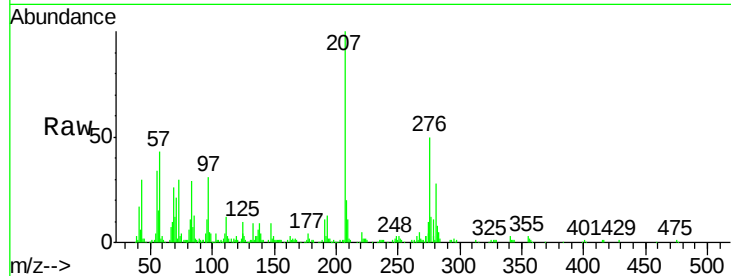
ClientSampleId :

CX924

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.8	26.6#
277	25.0	19.4	29.0

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#30

Benzo(g,h,i)perylene

Concen: 2.11 ng/ul m

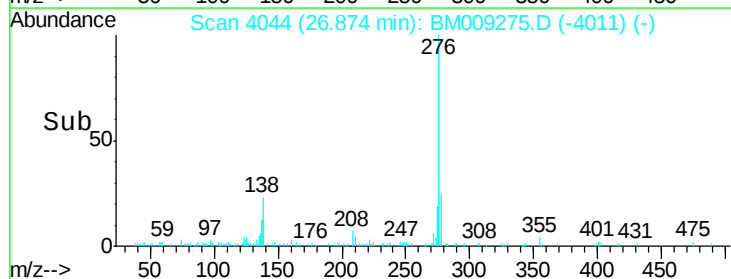
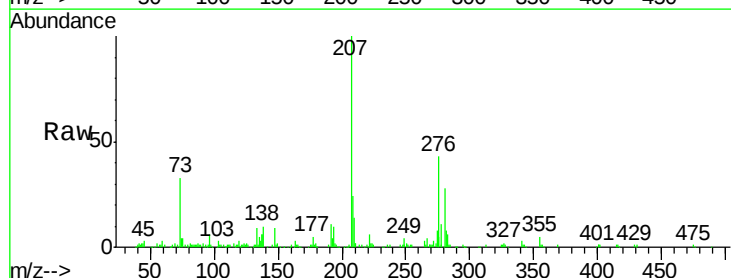
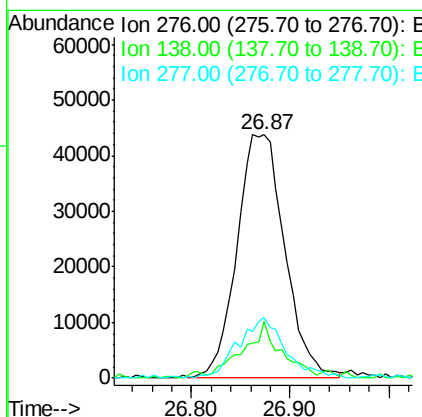
RT: 26.87 min Scan# 4044

Delta R.T. -0.01 min

Lab File: BM009275.D

Acq: 17 Mar 2017 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	19.0	28.4
277	25.0	19.7	29.5



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031717\
 Data File : BM009275.D
 Acq On : 17 Mar 2017 15:49
 Operator : SJ/MA
 Sample : I2218-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CX924

Manual Integrations
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 3/20/2017 12:07:01 PM

Quant Time: Mar 18 00:49:18 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	76703	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	349250	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	246837	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	674406	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1150210	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1247116	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	5301	0.94	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	532689	25.45	ng/ul	0.00
10) Fluorene-d10	15.51	176	480065	26.17	ng/ul	0.00
15) Anthracene-d10	17.36	188	846864	26.43	ng/ul	0.00
19) Pyrene-d10	19.65	212	1146686	24.87	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1288627m	22.73	ng/ul	0.00
Target Compounds				Qvalue		
14) Phenanthrene	17.30	178	111062	2.92	ng/ul	97
17) Fluoranthene	19.32	202	294685	6.12	ng/ul#	97
20) Pyrene	19.68	202	285399	4.81	ng/ul#	95
21) Benzo(a)anthracene	21.42	228	190669	2.91	ng/ul	99
22) Chrysene	21.47	228	205952	3.33	ng/ul	96
24) Benzo(b)fluoranthene	23.06	252	318438	4.34	ng/ul#	88
25) Benzo(k)fluoranthene	23.10	252	98651m	1.42	ng/ul	
27) Benzo(a)pyrene	23.66	252	173446	2.46	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.14	276	161676	1.93	ng/ul#	94
30) Benzo(g,h,i)perylene	26.87	276	147114m	2.11	ng/ul	

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