

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041017\
 Data File : BM009643.D
 Acq On : 10 Apr 2017 10:40
 Operator : SJ/MA
 Sample : I2526-13DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 CB389DL

Manual Integrations
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Quant Time: Apr 10 14:46:09 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Apr 10 01:54:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	140597	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	538220	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	300340	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	679633	20.00	ng/ul	0.00
18) Chrysene-d12	21.41	240	902105	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	896662	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	66862	8.08	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	265620	9.02	ng/ul	0.00
10) Fluorene-d10	15.48	176	190737	9.01	ng/ul	0.00
15) Anthracene-d10	17.33	188	306456	9.42	ng/ul	0.00
19) Pyrene-d10	19.63	212	368733	9.95	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.59	264	383472	9.69	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.68	128	48683	1.76	ng/ul	96
5) 2-Methylnaphthalene	12.30	142	22182	1.10	ng/ul	91
8) Acenaphthylene	14.21	152	53409	1.81	ng/ul	97
9) Acenaphthene	14.55	153	56812	2.79	ng/ul	99
11) Fluorene	15.54	166	71058	2.86	ng/ul	93
14) Phenanthrene	17.28	178	1159416	30.34	ng/ul	96
16) Anthracene	17.37	178	302279	7.65	ng/ul	97
17) Fluoranthene	19.30	202	1987073	41.76	ng/ul	96
20) Pyrene	19.66	202	1758069	35.79	ng/ul	99
21) Benzo(a)anthracene	21.40	228	1184380	23.22	ng/ul	100
22) Chrysene	21.46	228	977621	20.91	ng/ul	96
24) Benzo(b)fluoranthene	23.04	252	1376373	24.82	ng/ul	98
25) Benzo(k)fluoranthene	23.08	252	476096m	9.01	ng/ul	
27) Benzo(a)pyrene	23.64	252	1032694	19.59	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.11	276	649956	11.00	ng/ul#	95
29) Dibenzo(a,h)anthracene	26.11	278	188657	3.76	ng/ul#	83
30) Benzo(g,h,i)perylene	26.84	276	562995	11.55	ng/ul#	92

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

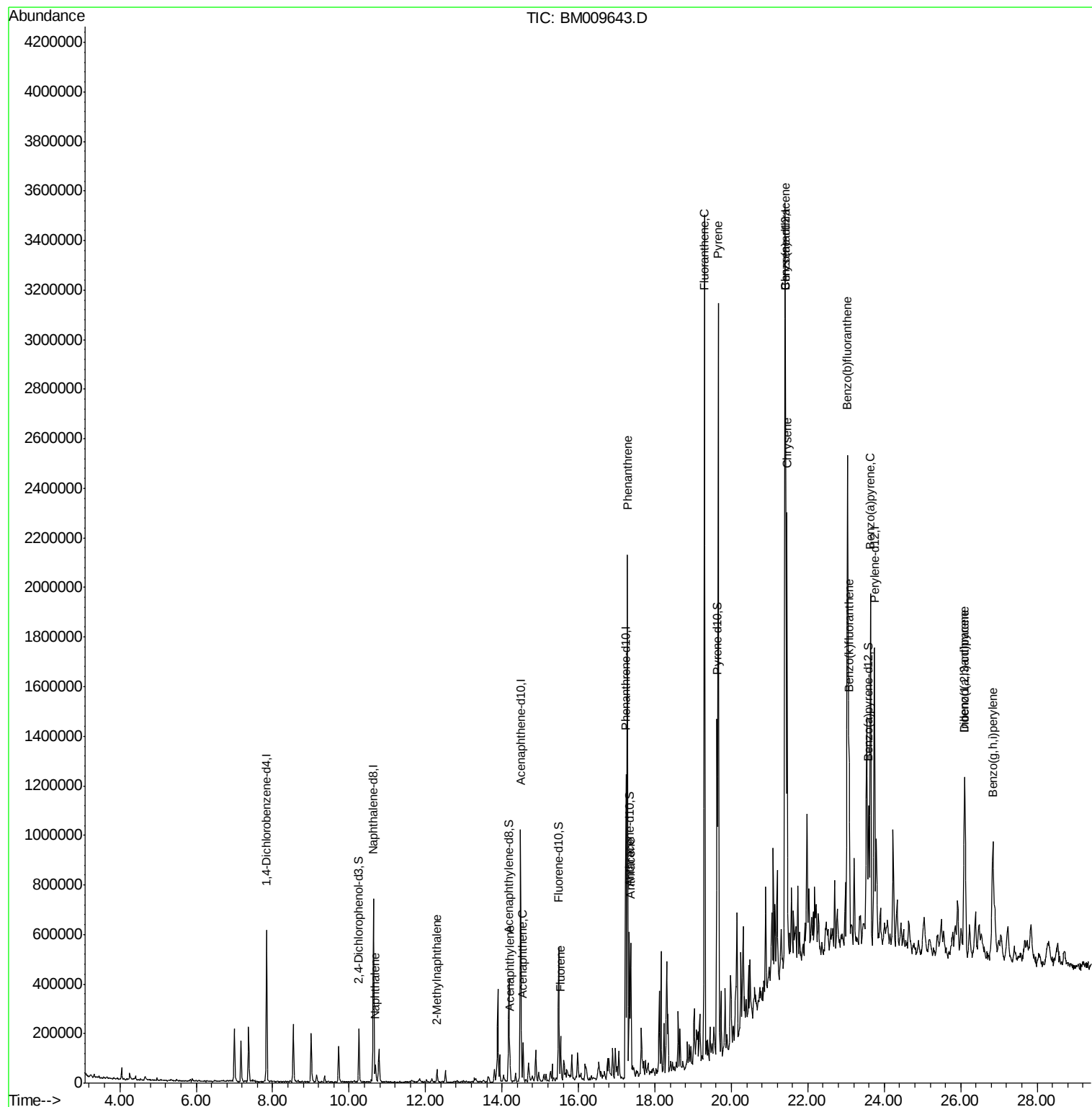
Data Path : Z:\HPCHEM1\BNA M\DATA\BM041017\
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ALS Vial : 3 Sample Multiplier: 1

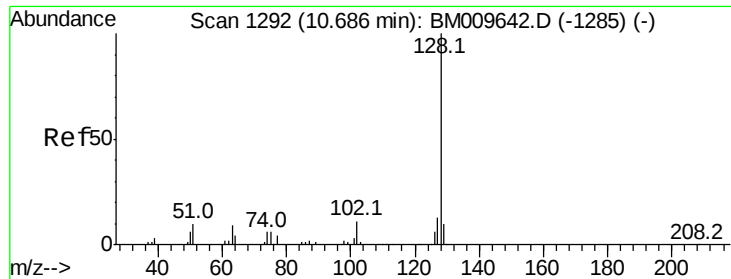
Instrument :
BNA_M
ClientSampled :
CB389DL

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Apr 10 01:54:07 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.76 ng/ul

RT: 10.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Instrument :

BNA_M

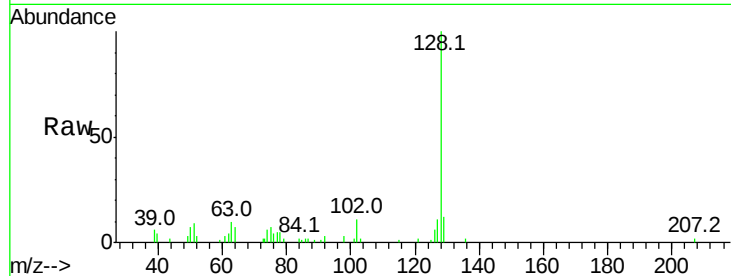
ClientSampleId :

CB389DL

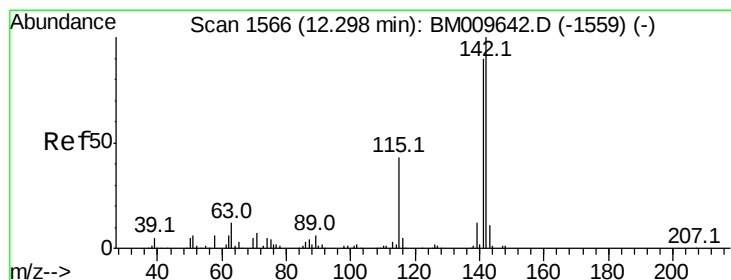
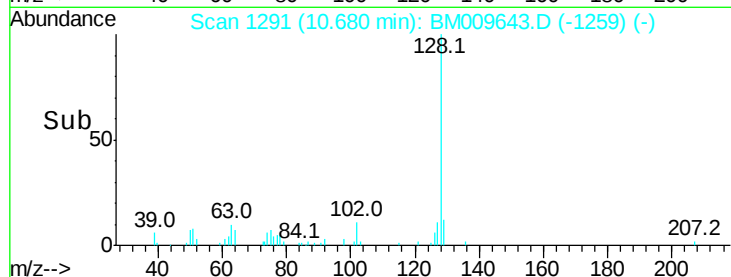
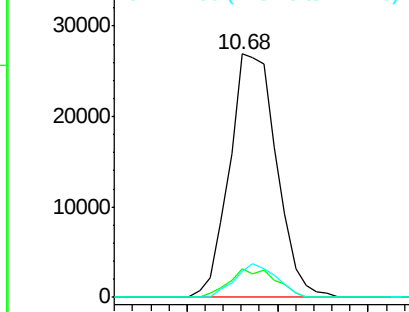
Tot Ion:128	Resp:	48683
Ion Ratio	Lower	Upper
128 100		
129 11.6	9.1	13.7
127 10.7	10.6	15.8

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.10 ng/ul

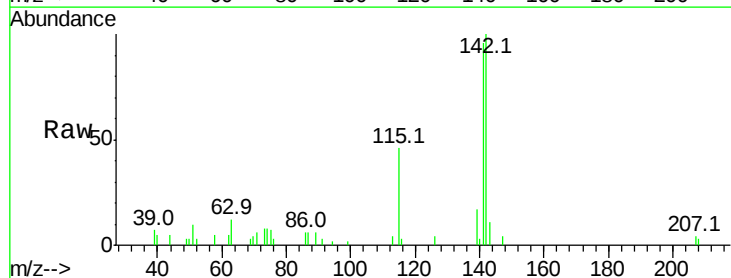
RT: 12.30 min Scan# 1566

Delta R.T. -0.00 min

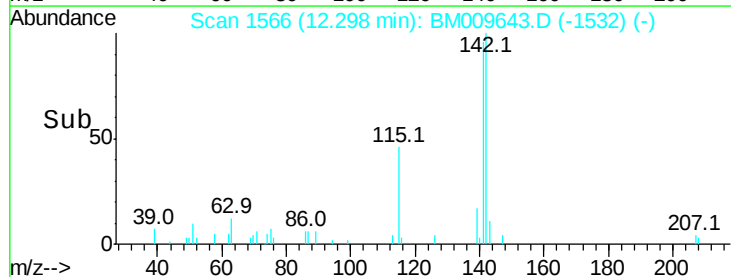
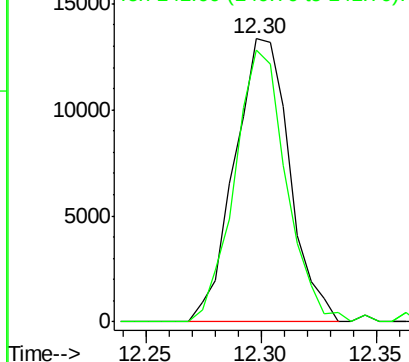
Lab File: BM009643.D

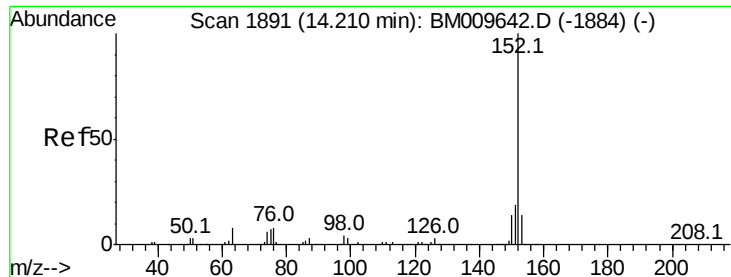
Acq: 10 Apr 2017 10:40

Tgt Ion:142	Resp:	22182
Ion Ratio	Lower	Upper
142 100		
141 95.9	69.8	104.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.81 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Instrument :

BNA_M

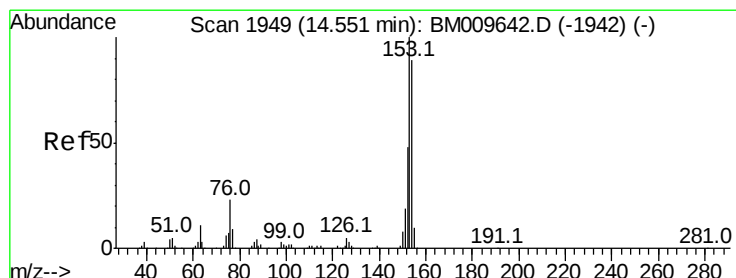
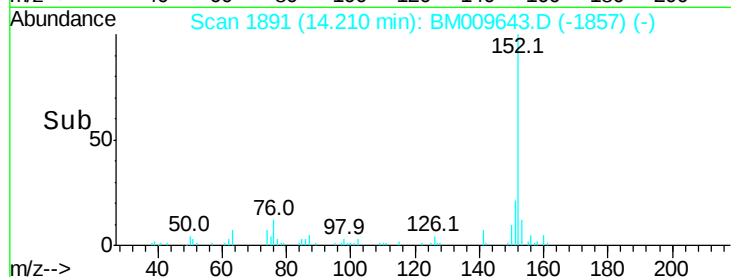
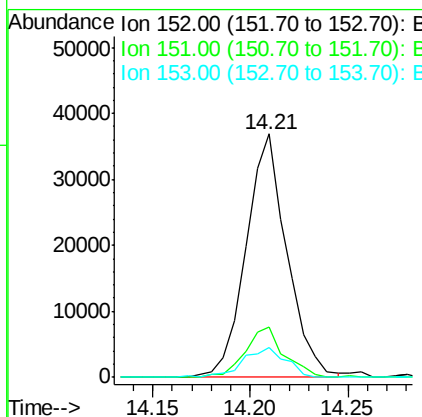
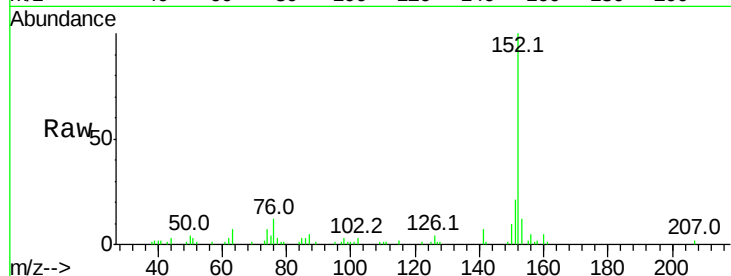
ClientSampleID :

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Tot Ion:	152	Resp:	53409
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.5	26.3
153	12.2	10.6	16.0

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#9

Acenaphthene

Concen: 2.79 ng/ul

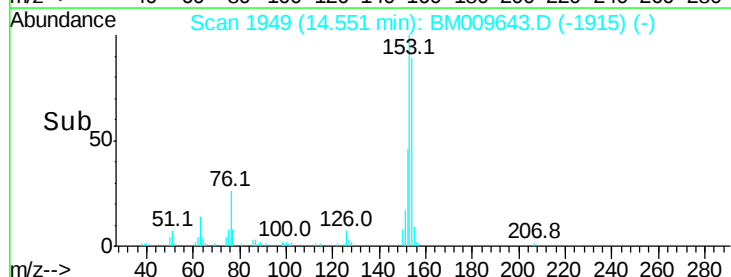
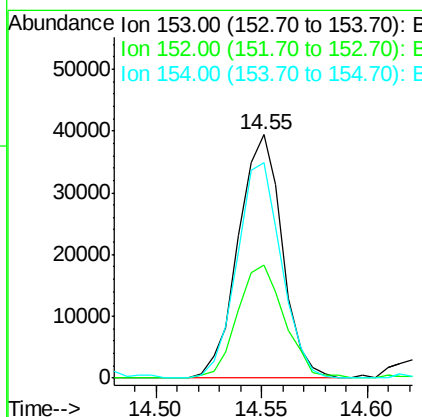
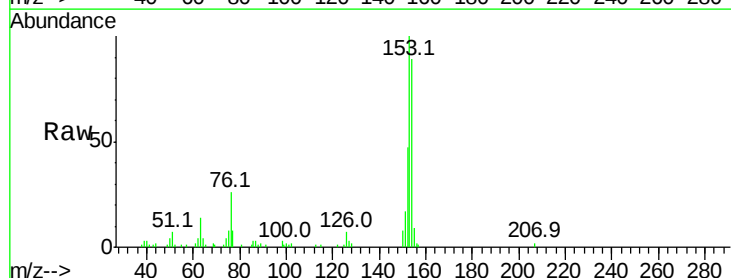
RT: 14.55 min Scan# 1949

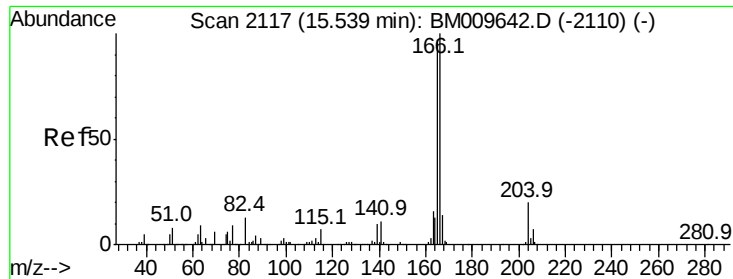
Delta R.T. -0.00 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Tgt Ion:	153	Resp:	56812
Ion Ratio	Lower	Upper	
153	100		
152	46.5	37.9	56.9
154	88.7	71.6	107.4





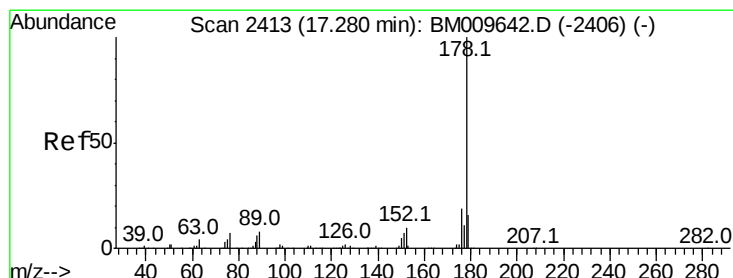
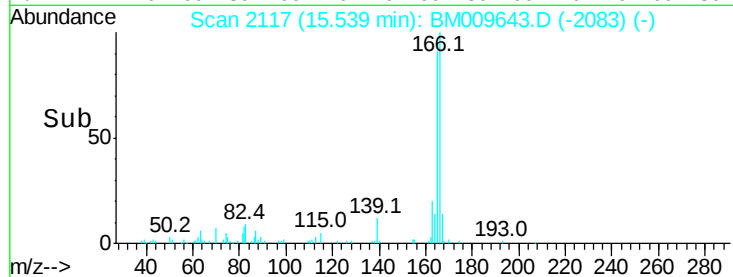
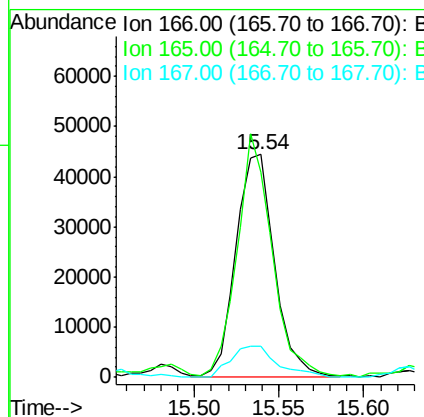
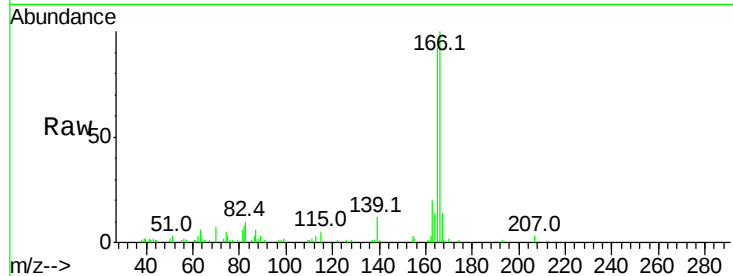
#11
Fluorene
 Concen: 2.86 ng/ul
 RT: 15.54 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: BM009643.D
 Acq: 10 Apr 2017 10:40

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	91.8	80.0	120.0
167	13.7	11.6	17.4

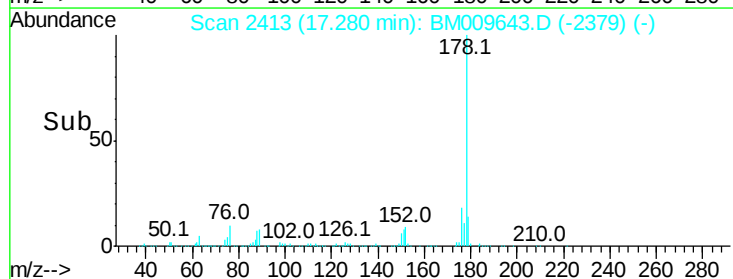
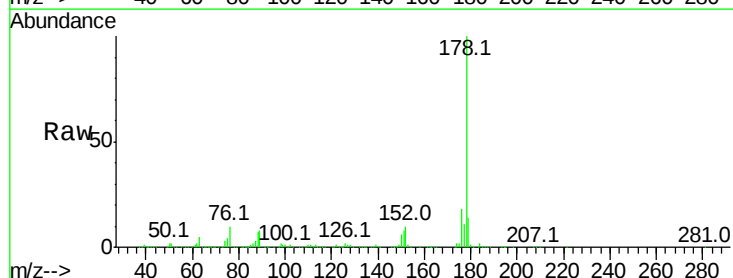
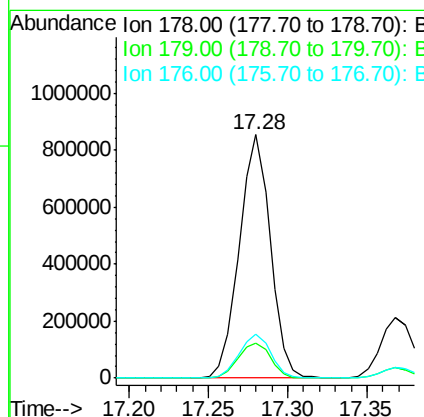
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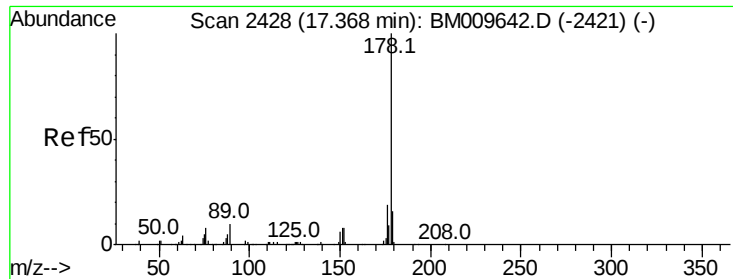
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#14
Phenanthrene
 Concen: 30.34 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM009643.D
 Acq: 10 Apr 2017 10:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.2	12.2	18.4
176	17.8	16.4	24.6





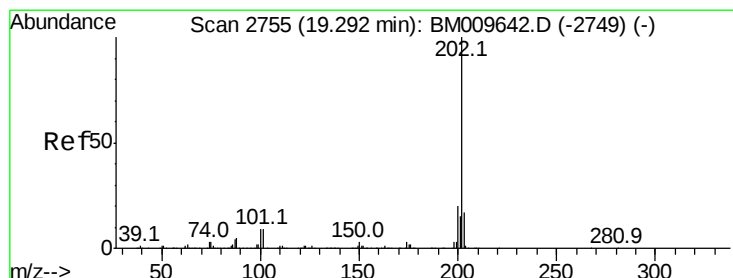
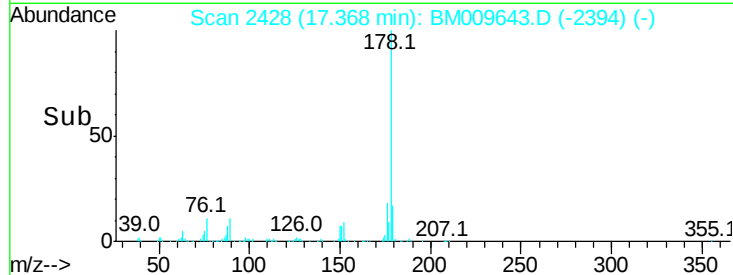
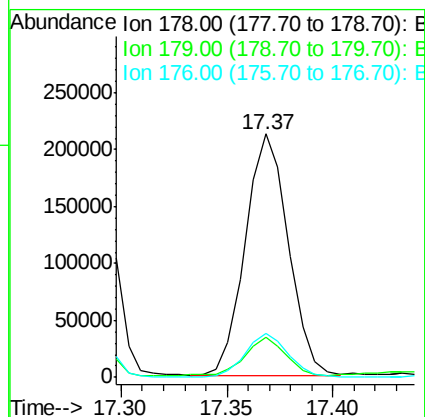
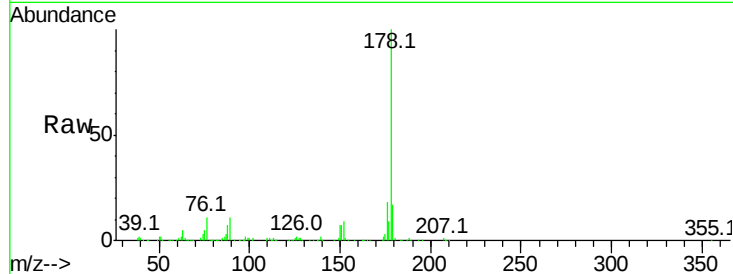
#16
 Anthracene
 Concen: 7.65 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM009643.D
 Acq: 10 Apr 2017 10:40

Instrument :
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 ClientSampleId :
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Tot Ion:	178	Resp:	302279
Ion Ratio	Lower	Upper	
178	100		
179	16.7	12.7	19.1
176	18.3	15.8	23.8

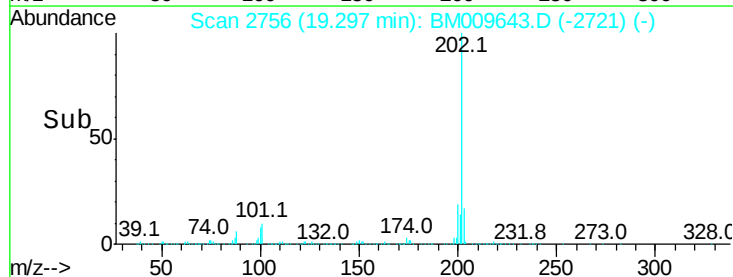
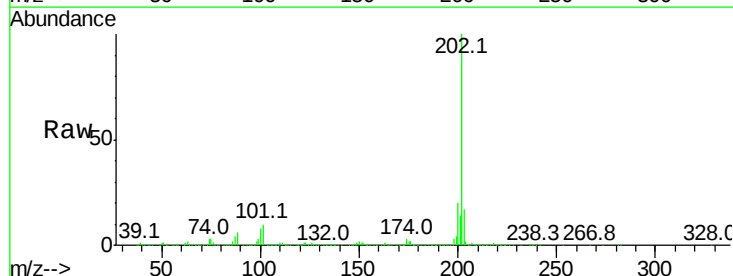
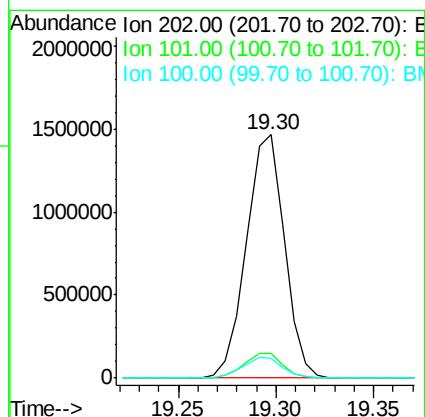
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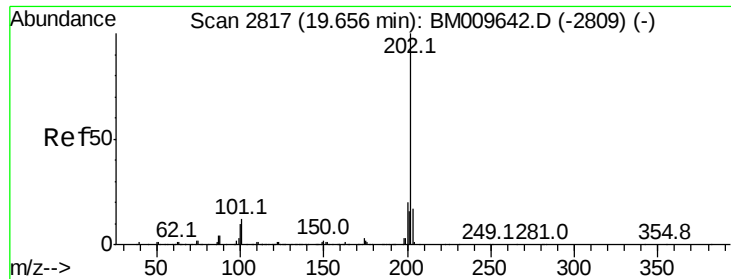
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#17
 Fluoranthene
 Concen: 41.76 ng/ul
 RT: 19.30 min Scan# 2756
 Delta R.T. 0.01 min
 Lab File: BM009643.D
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Tgt Ion:	202	Resp:	1987073
Ion Ratio	Lower	Upper	
202	100		
101	10.4	9.8	14.8
100	8.1	7.5	11.3





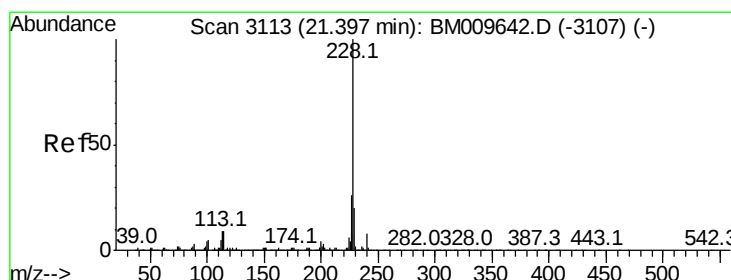
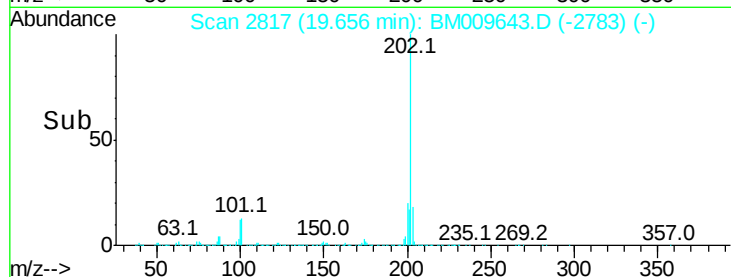
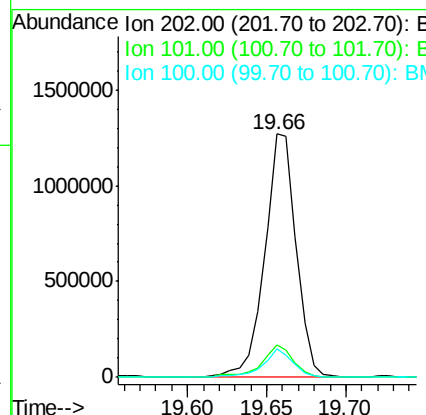
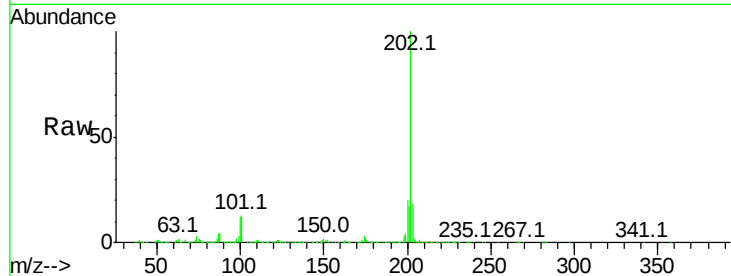
#20
Pvrene
Concen: 35.79 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. -0.00 min
Lab File: BM009643.D
Acq: 10 Apr 2017 10:40

Instrument :
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Tot Ion	Ratio	Lower	Upper
202	100		
101	13.3	11.2	16.8
100	11.9	9.8	14.6

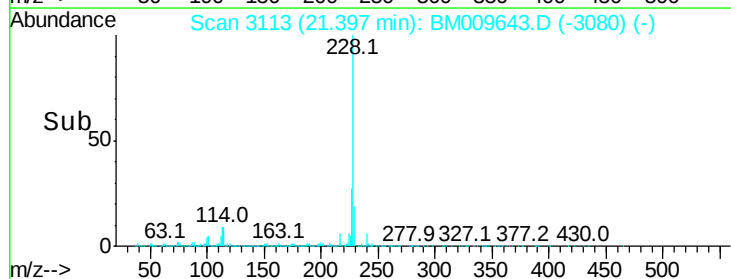
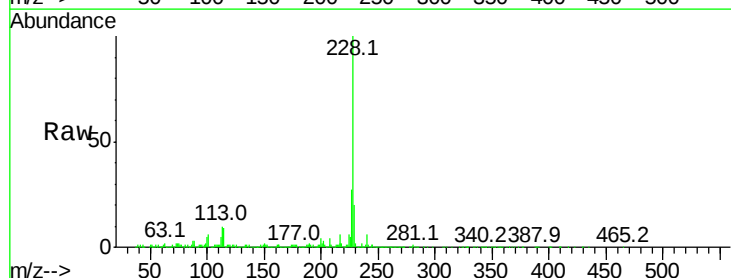
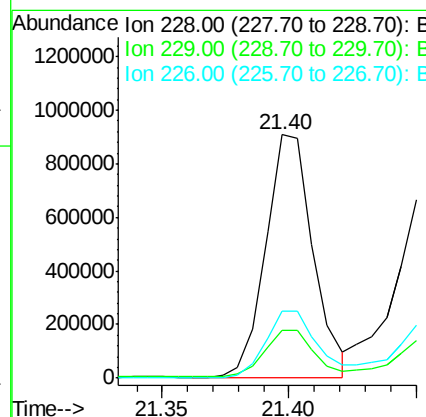
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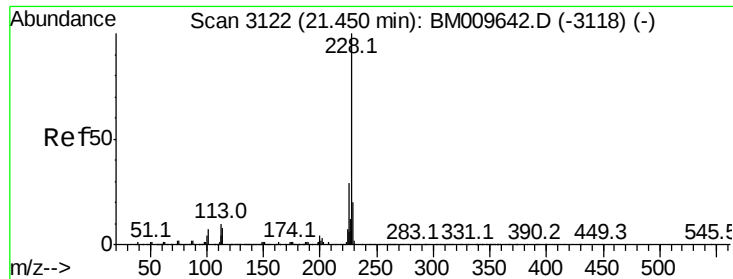
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#21
Benzo(a)anthracene
Concen: 23.22 ng/ul
RT: 21.40 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BM009643.D
Acq: 10 Apr 2017 10:40

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.9	23.9
226	27.5	22.1	33.1





#22

Chrysene

Concen: 20.91 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Instrument :

BNA_M

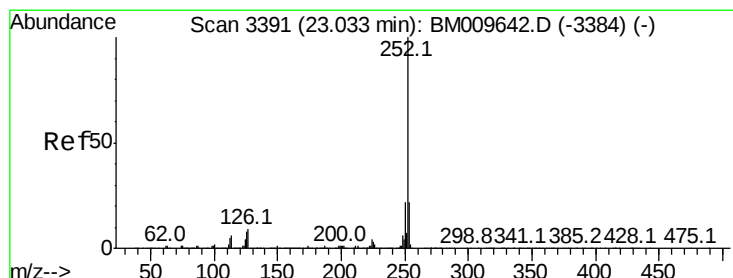
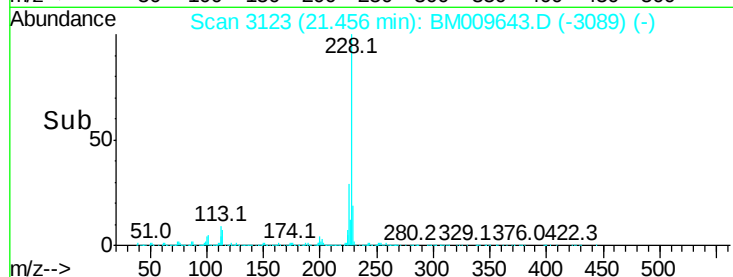
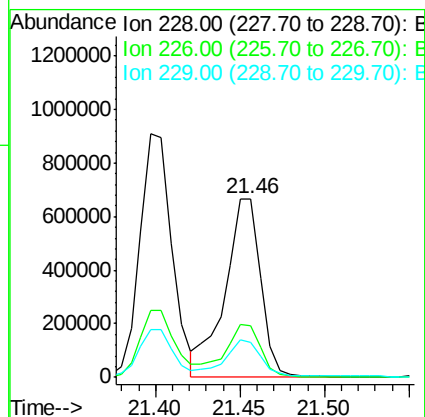
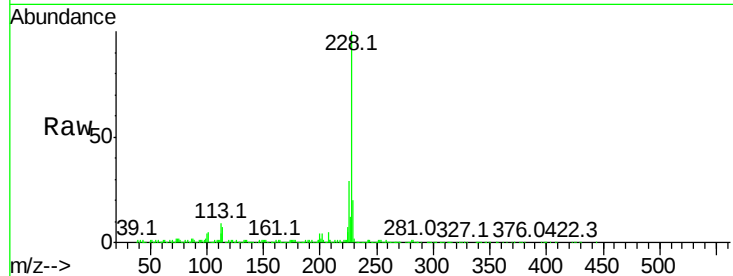
ClientSampleId :

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Tot Ion:	228	Resp:	977621
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.0	37.6
229	19.6	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 24.82 ng/ul

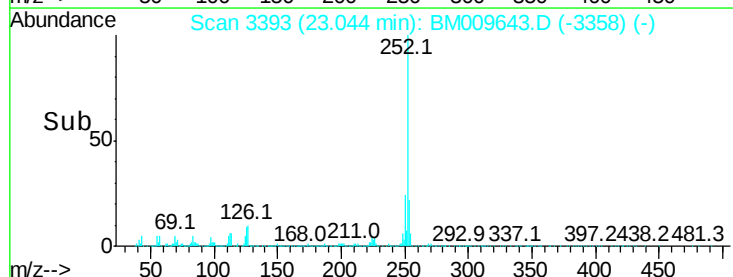
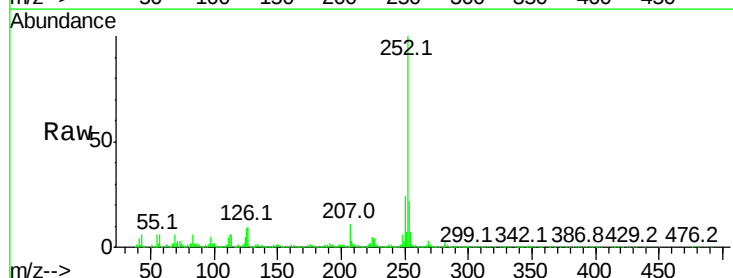
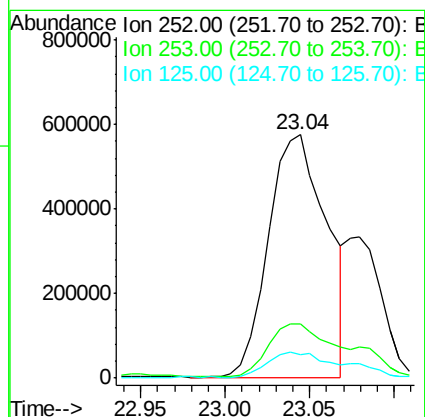
RT: 23.04 min Scan# 3393

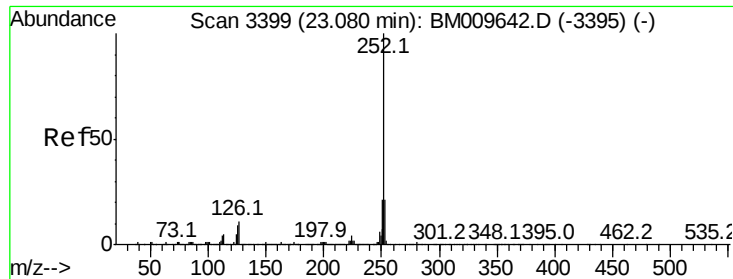
Delta R.T. 0.01 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Tgt Ion:	252	Resp:	1376373
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.8	26.6
125	9.4	9.4	14.0





#25

Benzo(k)fluoranthene

Concen: 9.01 ng/ul m

RT: 23.08 min Scan# 3399

Delta R.T. -0.01 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Instrument :

BNA_M

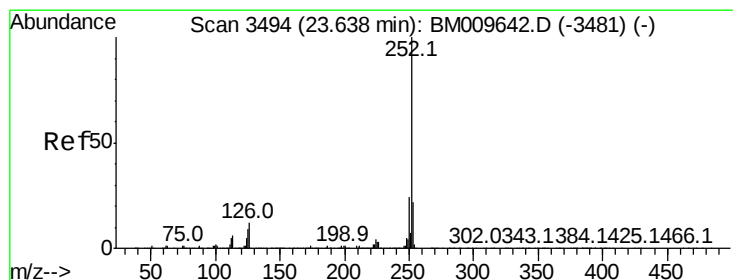
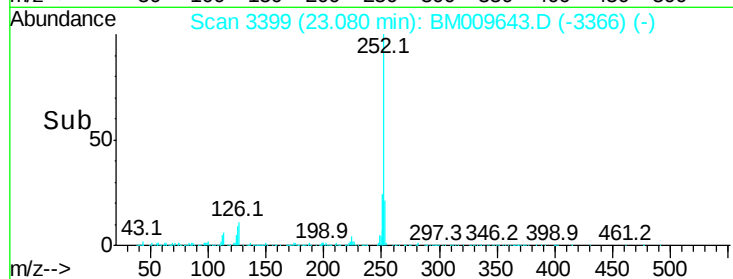
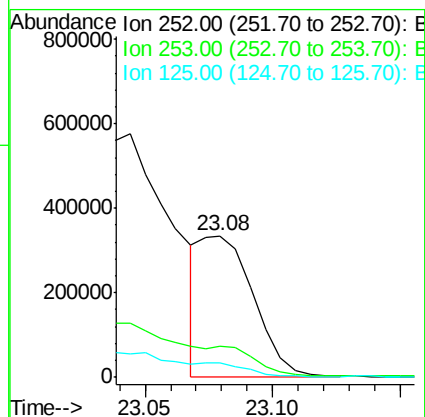
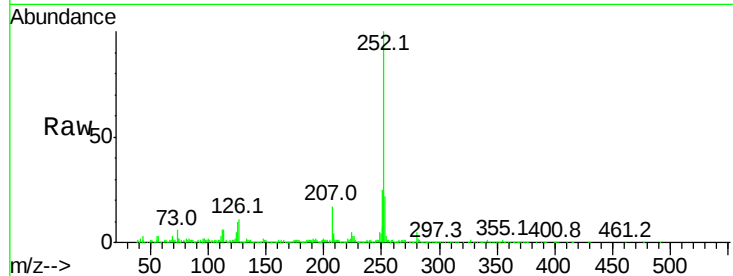
ClientSampleId :

CB389DL

Tot Ion:	252	Resp:	476096
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.4	26.2
125	10.0	8.8	13.2

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#27

Benzo(a)pyrene

Concen: 19.59 ng/ul

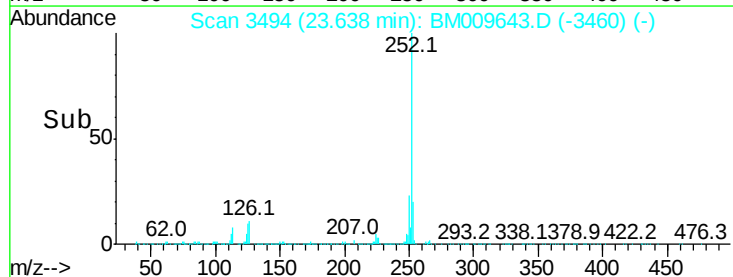
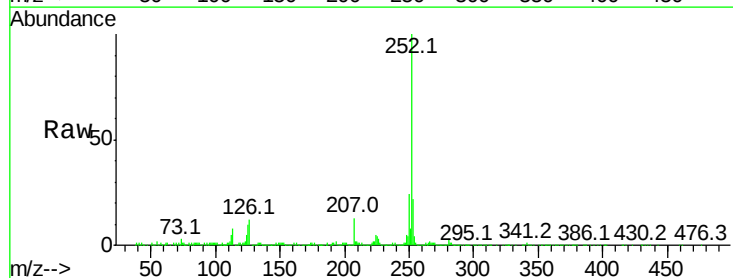
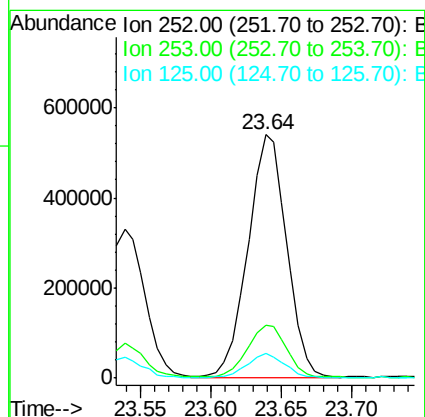
RT: 23.64 min Scan# 3494

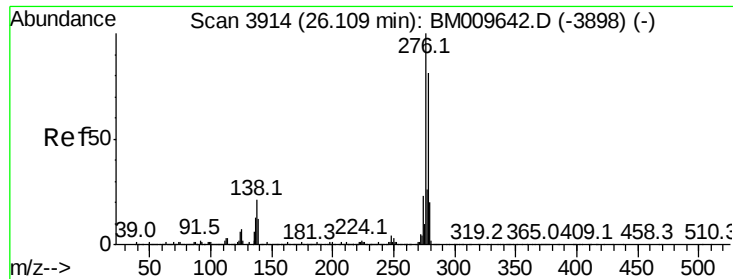
Delta R.T. -0.00 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Tgt Ion:	252	Resp:	1032694
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.1	25.7
125	10.2	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 11.00 ng/ul

RT: 26.11 min Scan# 3914

Delta R.T. -0.00 min

Lab File: BM009643.D

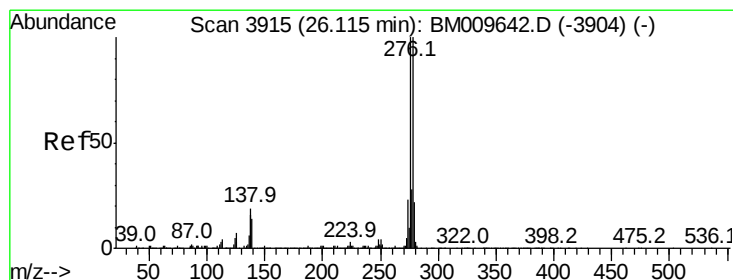
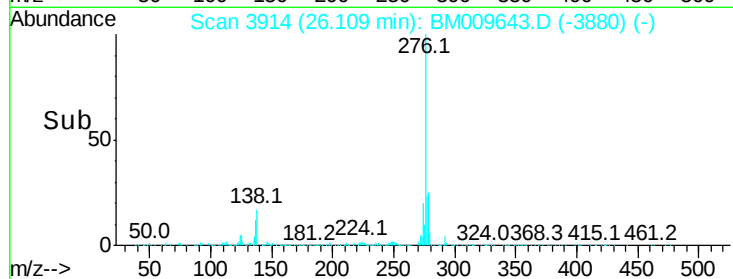
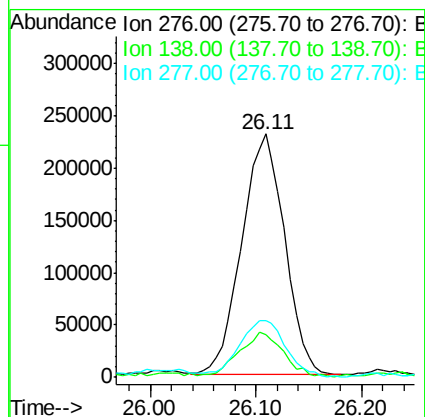
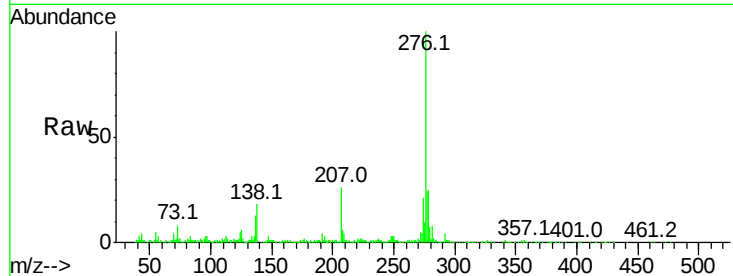
Acq: 10 Apr 2017 10:40

Instrument :
BNA_M
ClientSampleId :
CB389DL

Tot Ion	Ratio	Resp	Lower	Upper
276	100	649956		
138	17.6		17.8	26.6#
277	23.5		19.4	29.0

Manual Integrations
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#29

Dibenzo(a,h)anthracene

Concen: 3.76 ng/ul

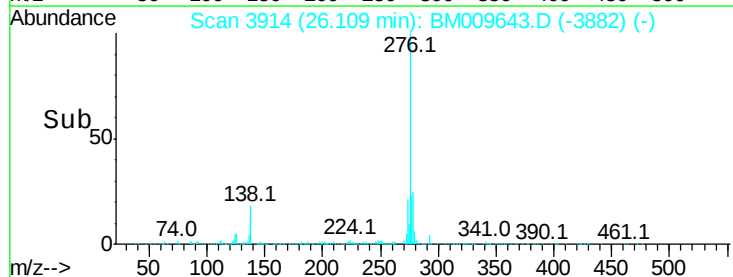
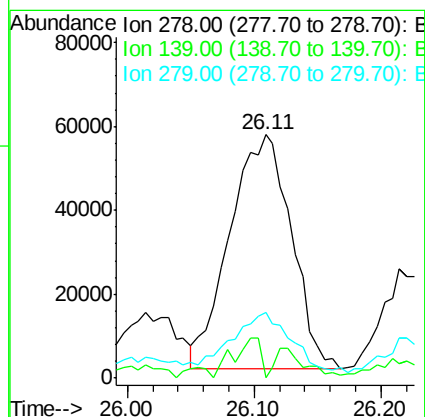
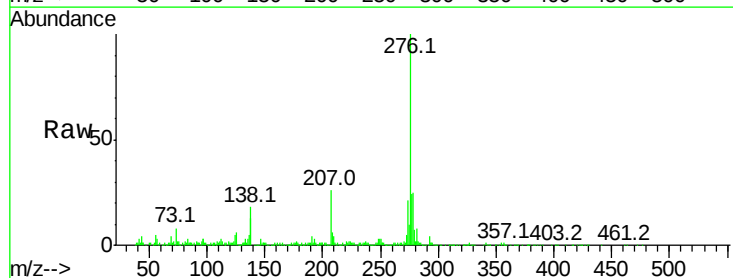
RT: 26.11 min Scan# 3914

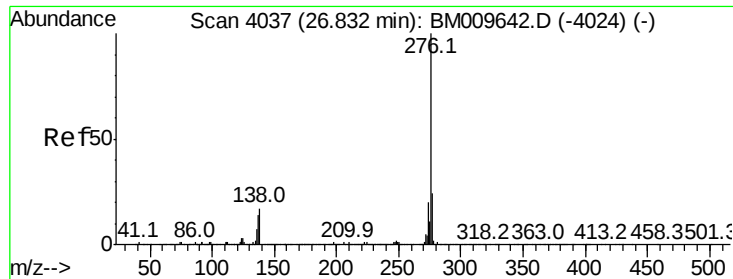
Delta R.T. -0.01 min

Lab File: BM009643.D

Acq: 10 Apr 2017 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	188657		
139	0.0		14.0	21.0#
279	26.8		20.6	31.0





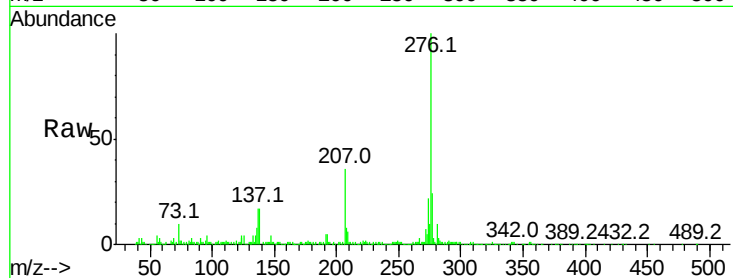
#30
 Benzo(a,h,i)perylene
 Concen: 11.55 ng/ul
 RT: 26.84 min Scan# 4038
 Delta R.T. -0.00 min
 Lab File: BM009643.D
 Acq: 10 Apr 2017 10:40

Instrument :
 BNA_M
 ClientSampleId :
 CB389DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	19.0	28.4#
277	23.6	19.7	29.5

Manual Integrations
 APPROVED

mohammad
 4/10/2017 5:18:28 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

