

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009631.D
 Acq On : 07 Apr 2017 16:26
 Operator : SJ/MA
 Sample : I2526-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB381

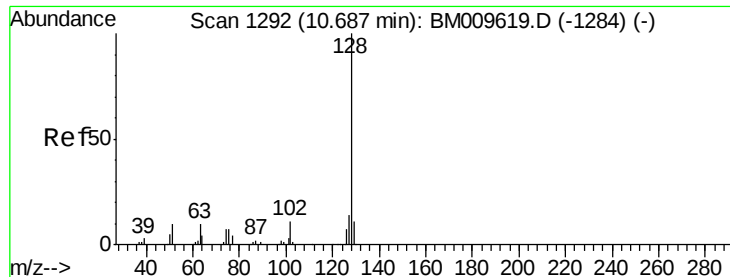
Manual Integrations
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 4/10/2017 1:23:51 PM

Quant Time: Apr 07 18:12:11 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 07 03:19:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	162933	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	646067	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	369555	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	848551	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1062159	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1045697	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	226318	22.78	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1076110	29.71	ng/ul	0.00
10) Fluorene-d10	15.48	176	756394	29.04	ng/ul	0.00
15) Anthracene-d10	17.33	188	1181417	29.10	ng/ul	0.00
19) Pyrene-d10	19.63	212	1384509	31.72	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1366642	29.60	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	62623	1.89	ng/ul	99
5) 2-Methylnaphthalene	12.30	142	38906	1.61	ng/ul	93
8) Acenaphthylene	14.21	152	41612	1.15	ng/ul	96
9) Acenaphthene	14.54	153	29196	1.17	ng/ul	95
11) Fluorene	15.53	166	37006	1.21	ng/ul	93
14) Phenanthrene	17.28	178	689417	14.45	ng/ul	95
16) Anthracene	17.37	178	153720	3.12	ng/ul	97
17) Fluoranthene	19.30	202	1226337m	20.64	ng/ul	
20) Pyrene	19.66	202	1087022	18.80	ng/ul	94
21) Benzo(a)anthracene	21.40	228	625862	10.42	ng/ul	98
22) Chrysene	21.45	228	598110	10.87	ng/ul	98
24) Benzo(b)fluoranthene	23.04	252	840225	12.99	ng/ul	98
25) Benzo(k)fluoranthene	23.08	252	237144m	3.85	ng/ul	
27) Benzo(a)pyrene	23.64	252	548768	8.92	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	26.11	276	377841	5.48	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.10	278	109490m	1.87	ng/ul	
30) Benzo(g,h,i)perylene	26.84	276	337708	5.94	ng/ul#	91

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



#4

Naphthalene

Concen: 1.89 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

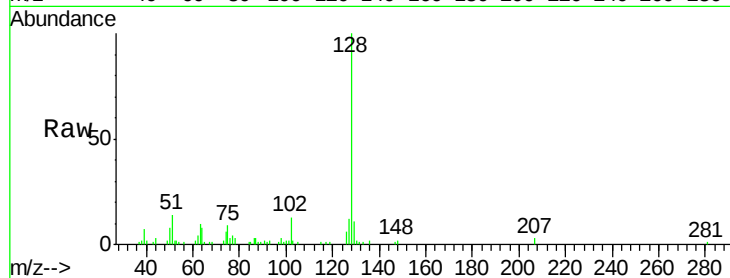
ClientSampled :

CB381

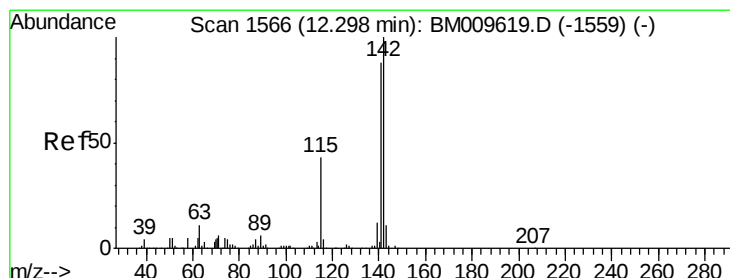
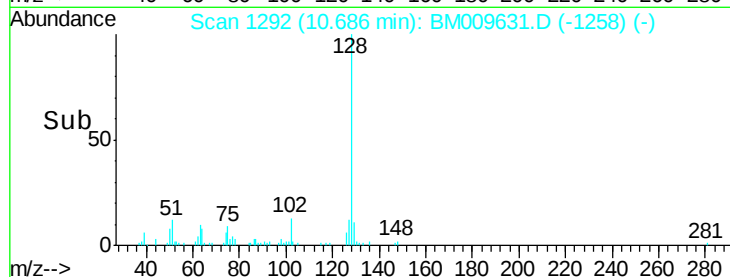
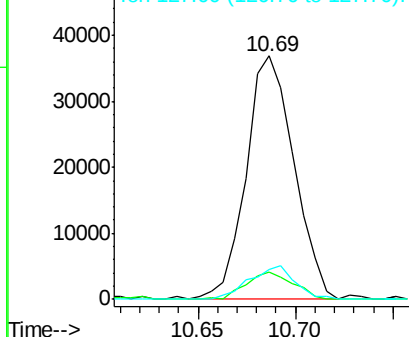
Tgt Ion:	128	Resp:	62623
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.1	13.7
127	12.5	10.6	15.8

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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: 1.61 ng/ul

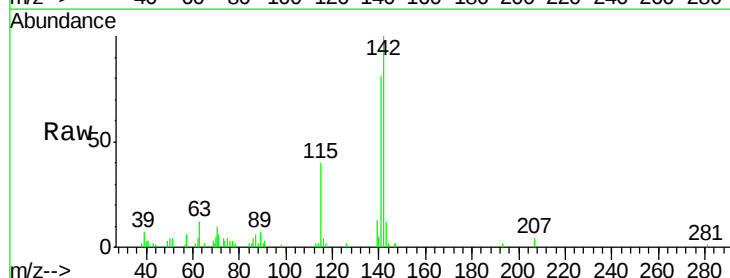
RT: 12.30 min Scan# 1567

Delta R.T. 0.01 min

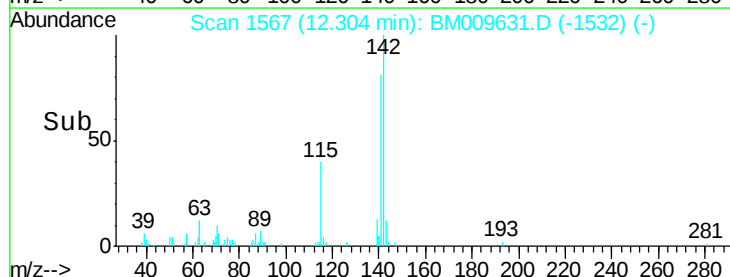
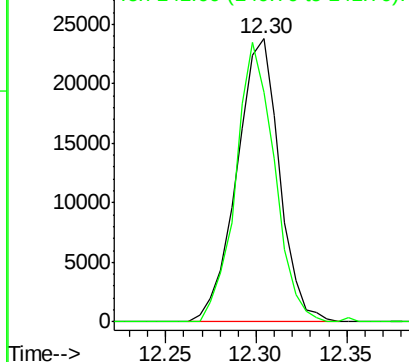
Lab File: BM009631.D

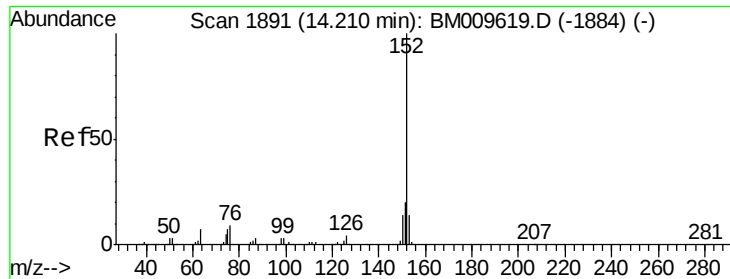
Acq: 07 Apr 2017 16:26

Tgt Ion:	142	Resp:	38906
Ion Ratio	Lower	Upper	
142	100		
141	81.0	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: 1.15 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

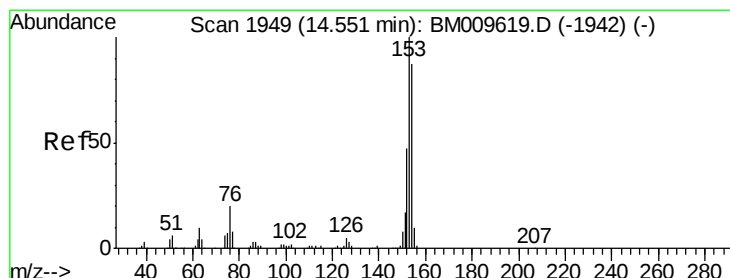
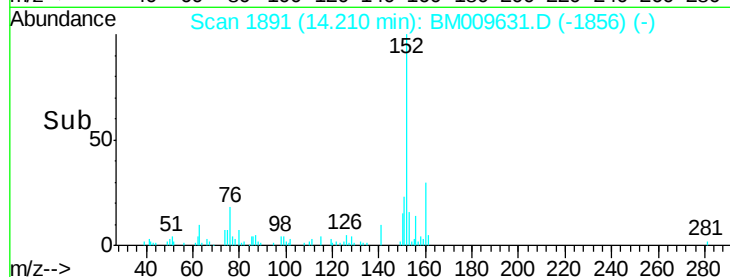
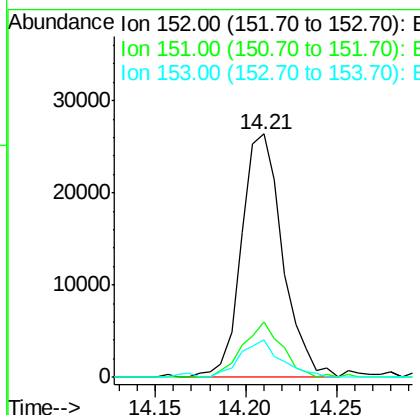
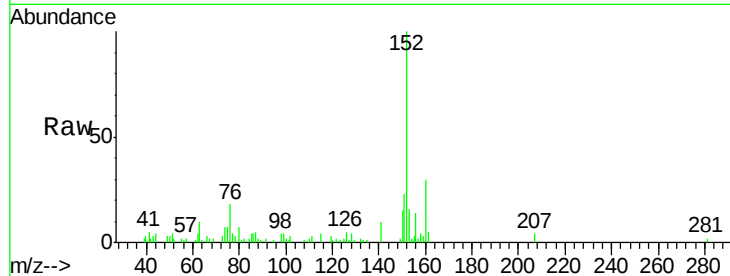
ClientSampleId :

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Tgt Ion:	152	Resp:	41612
Ion Ratio	Lower	Upper	
152	100		
151	23.0	17.5	26.3
153	15.6	10.6	16.0

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#9

Acenaphthene

Concen: 1.17 ng/ul

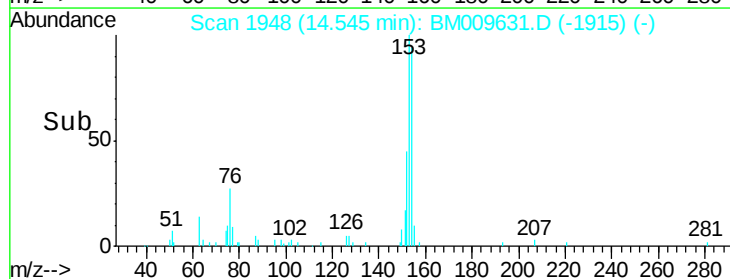
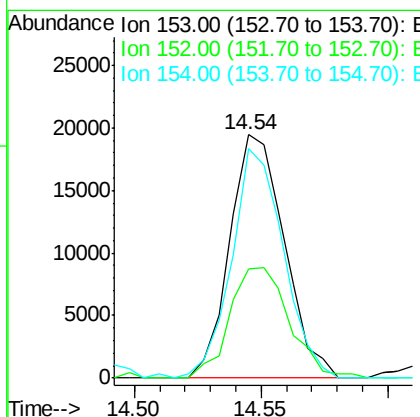
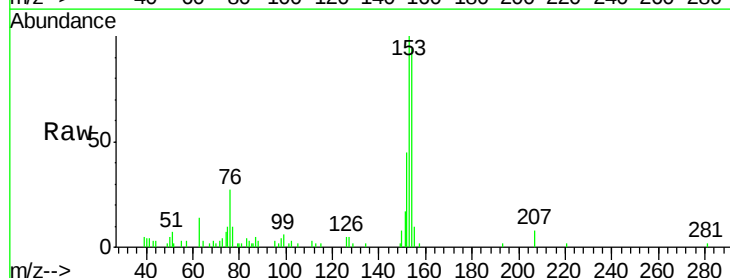
RT: 14.54 min Scan# 1948

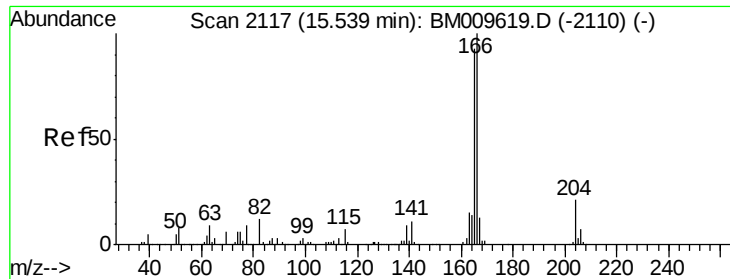
Delta R.T. -0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Tgt Ion:	153	Resp:	29196
Ion Ratio	Lower	Upper	
153	100		
152	45.0	37.9	56.9
154	94.5	71.6	107.4





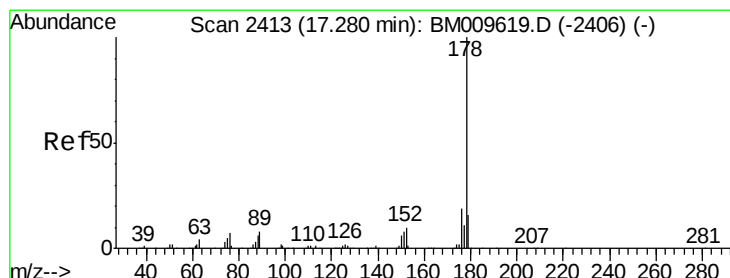
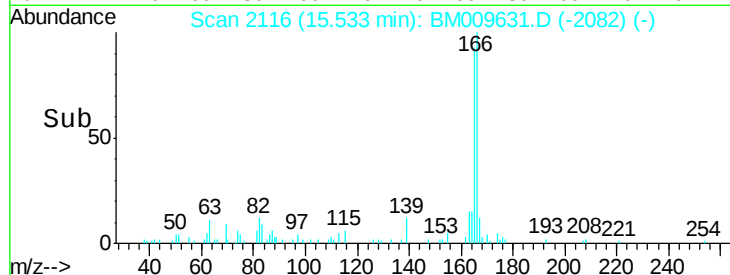
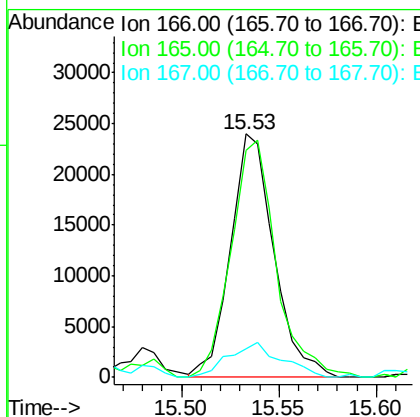
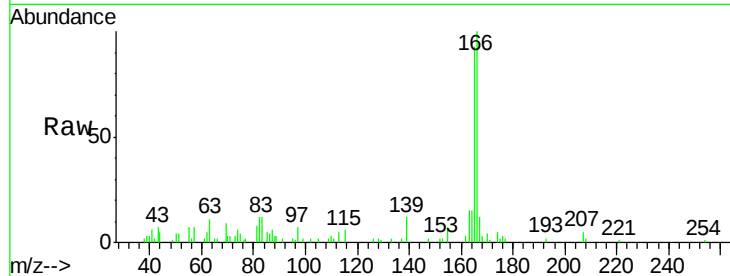
#11
Fluorene
 Concen: 1.21 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: BM009631.D
 Acq: 07 Apr 2017 16:26

Instrument :
 BNA_M
 ClientSampleId :
 CB381

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.4	80.0	120.0
167	11.9	11.6	17.4

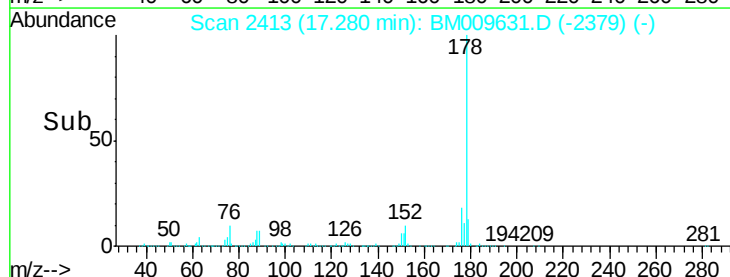
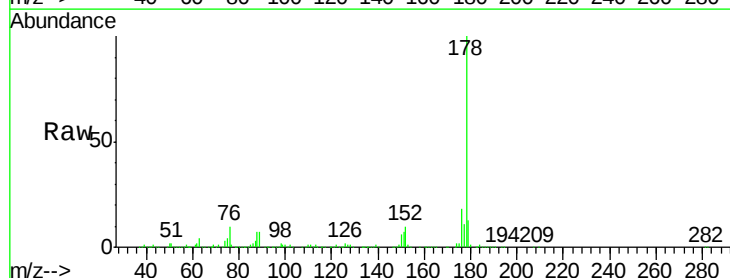
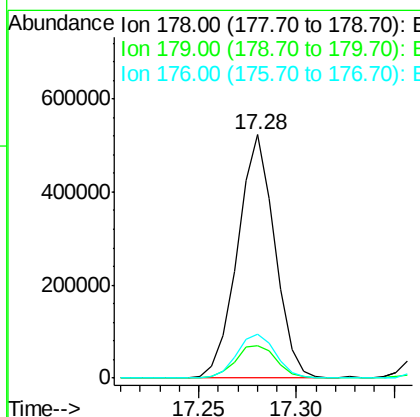
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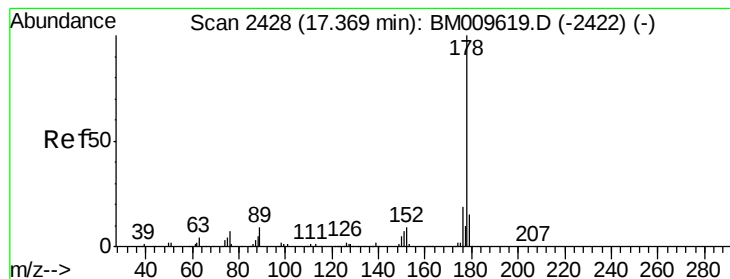
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#14
Phenanthrene
 Concen: 14.45 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. 0.00 min
 Lab File: BM009631.D
 Acq: 07 Apr 2017 16:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.2	12.2	18.4
176	18.1	16.4	24.6





#16

Anthracene

Concen: 3.12 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. 0.00 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

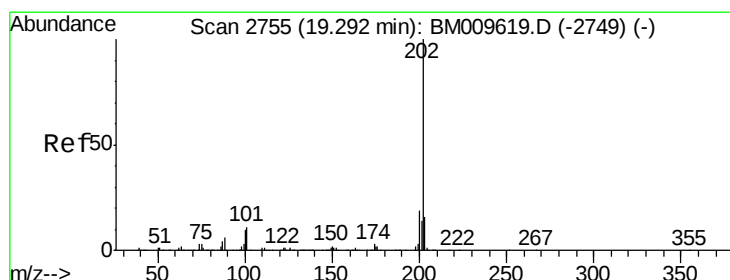
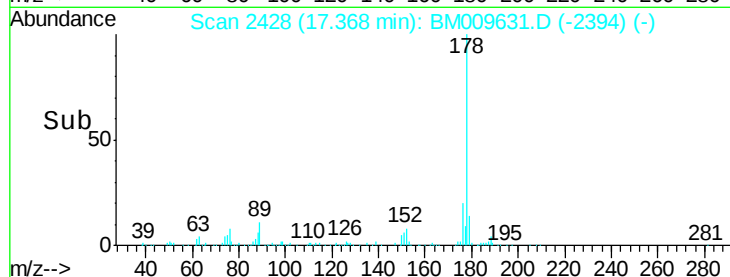
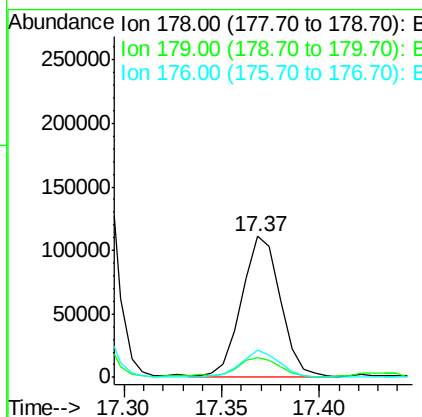
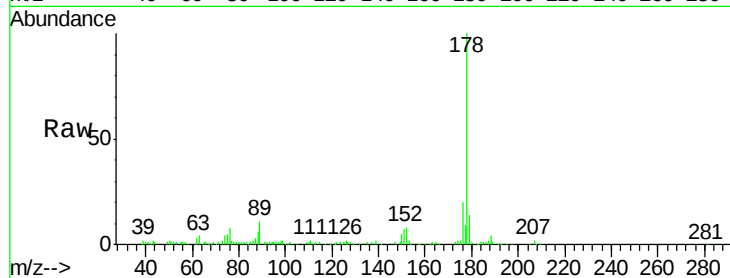
ClientSampleId :

CB381

Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.7	12.7	19.1
176	19.5	15.8	23.8

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#17

Fluoranthene

Concen: 20.64 ng/ul m

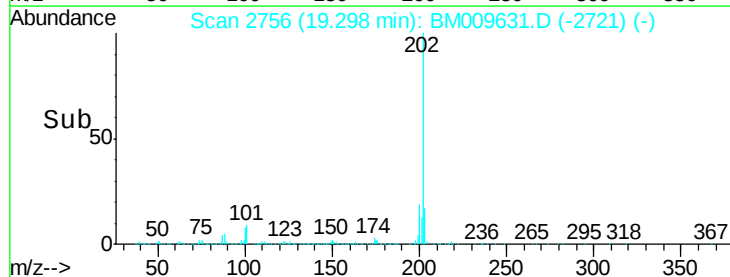
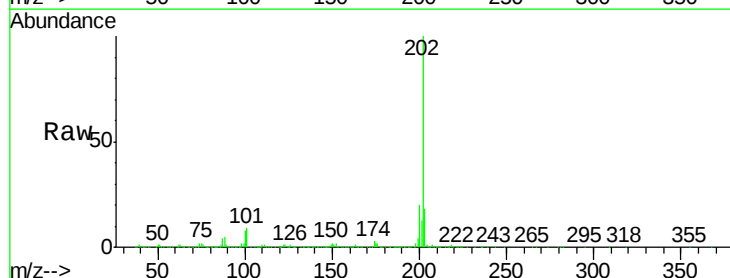
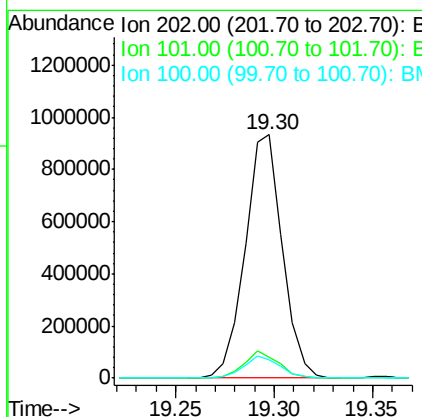
RT: 19.30 min Scan# 2756

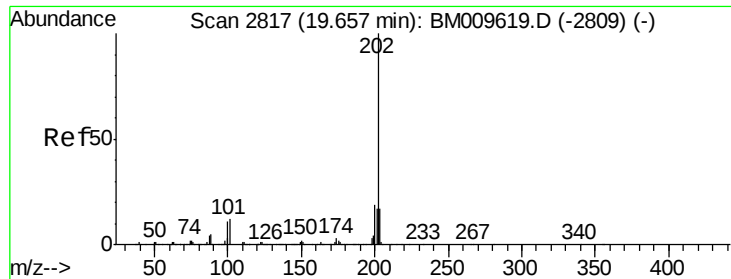
Delta R.T. 0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	9.8	14.8#
100	7.7	7.5	11.3





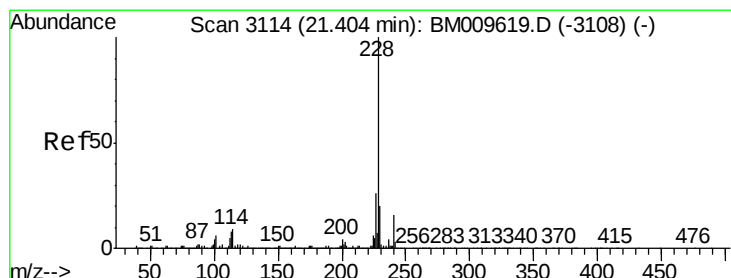
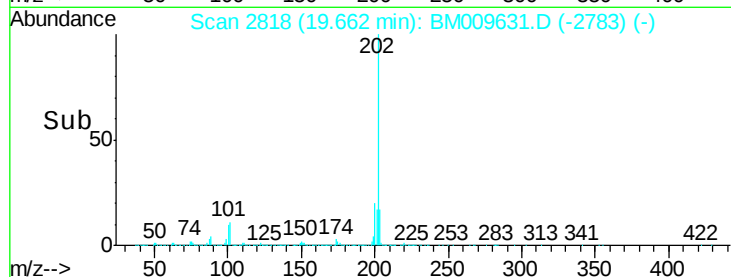
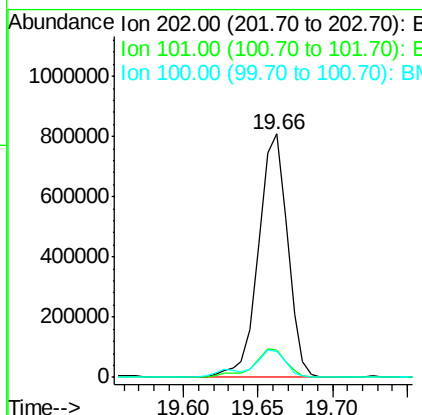
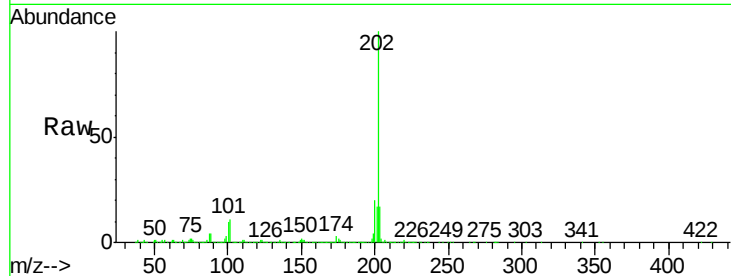
#20
 Pyrene
 Concen: 18.80 ng/ul
 RT: 19.66 min Scan# 2818
 Delta R.T. 0.01 min
 Lab File: BM009631.D
 Acq: 07 Apr 2017 16:26

Instrument :
 BNA_M
 ClientSampled :
 CB381

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	11.2	16.8
100	10.5	9.8	14.6

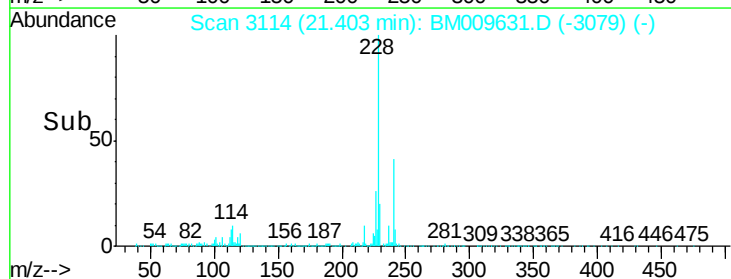
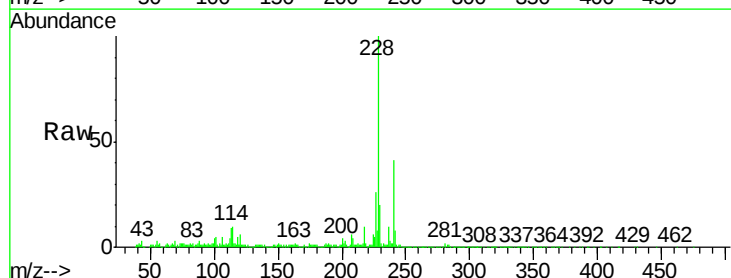
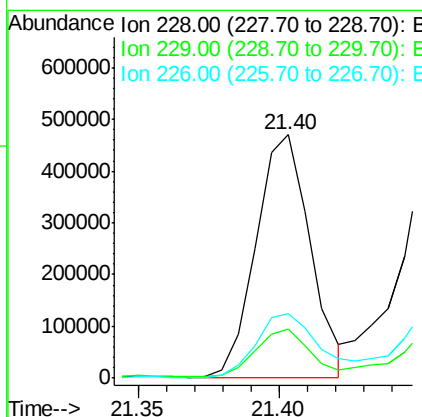
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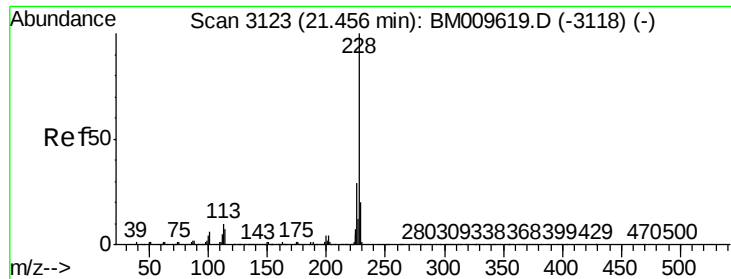
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#21
 Benzo(a)anthracene
 Concen: 10.42 ng/ul
 RT: 21.40 min Scan# 3114
 Delta R.T. 0.01 min
 Lab File: BM009631.D
 Acq: 07 Apr 2017 16:26

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	26.2	22.1	33.1





#22

Chrysene

Concen: 10.87 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

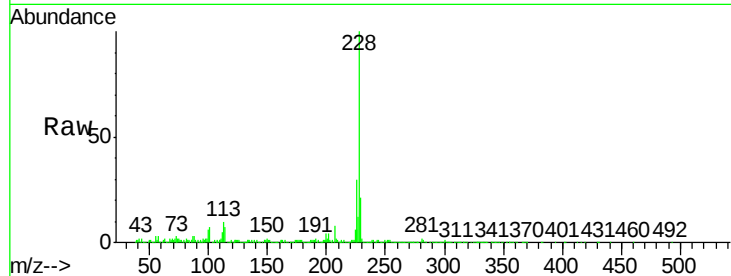
ClientSampleId :

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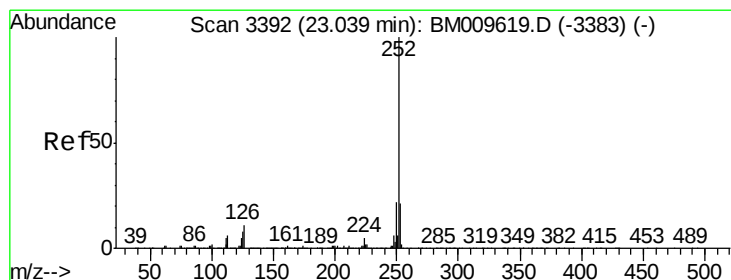
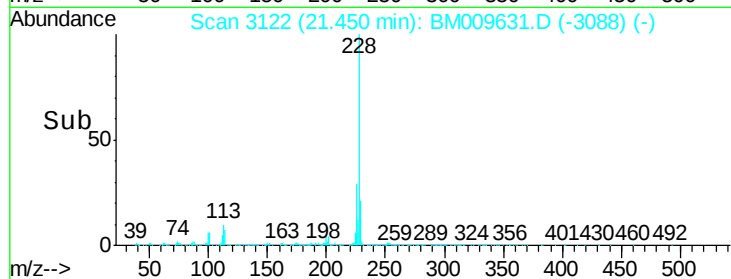
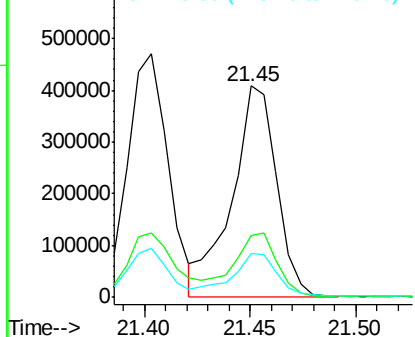
Tgt Ion:	228	Resp:	598110
Ion Ratio	Lower	Upper	
228	100		
226	29.5	25.0	37.6
229	21.0	16.6	25.0

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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



#24

Benzo(b)fluoranthene

Concen: 12.99 ng/ul

RT: 23.04 min Scan# 3392

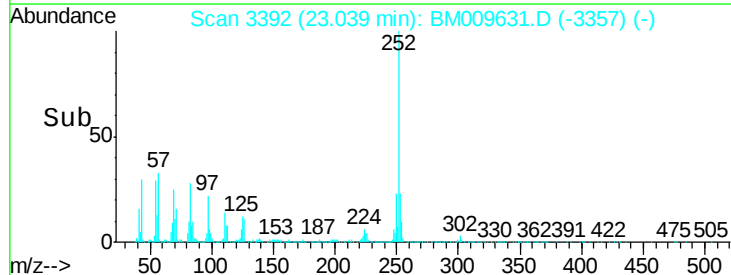
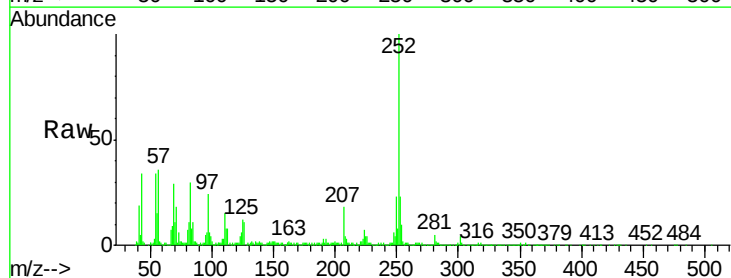
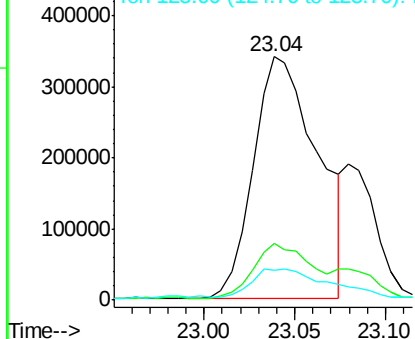
Delta R.T. 0.01 min

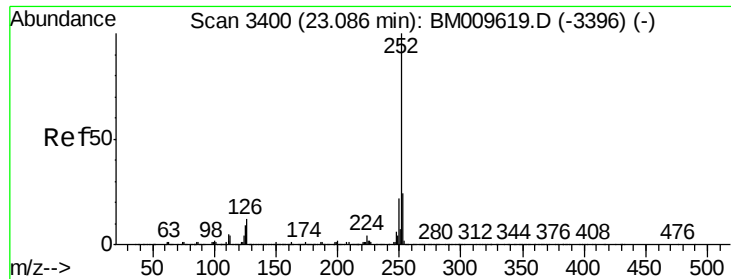
Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Tgt Ion:	252	Resp:	840225
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	12.5	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





#25

Benzo(k)fluoranthene

Concen: 3.85 ng/ul m

RT: 23.08 min Scan# 3399

Delta R.T. 0.00 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

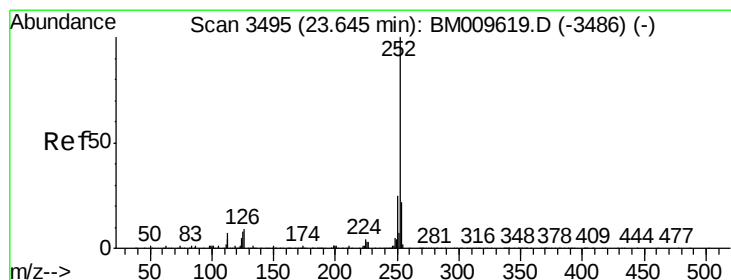
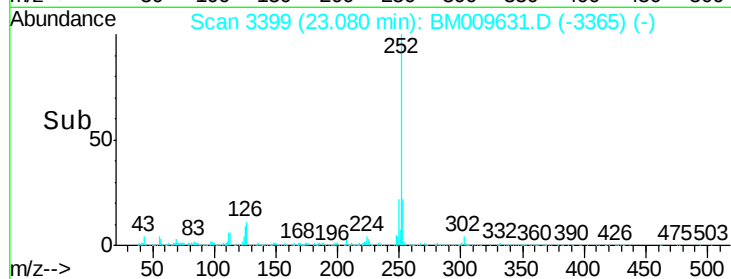
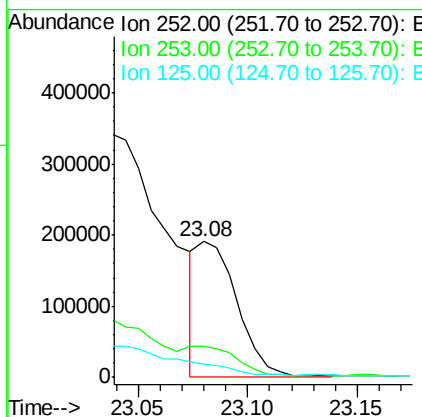
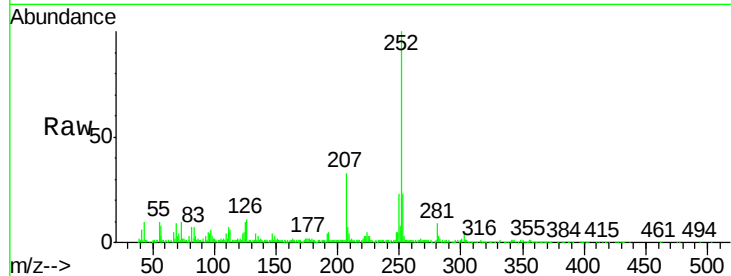
ClientSampleId :

CB381

Tgt Ion:	252	Resp:	237144
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	9.9	8.8	13.2

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#27

Benzo(a)pyrene

Concen: 8.92 ng/ul

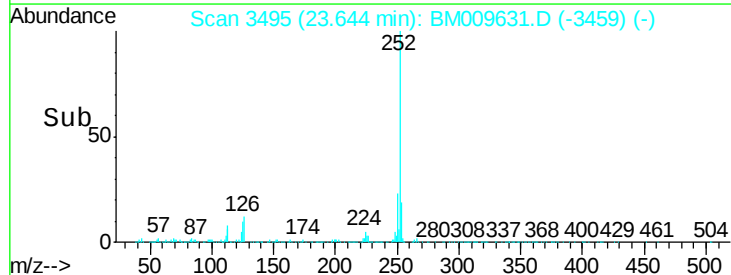
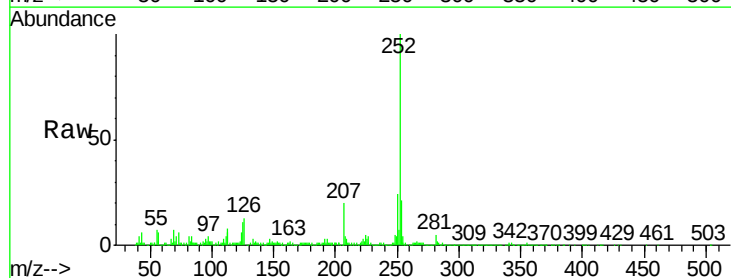
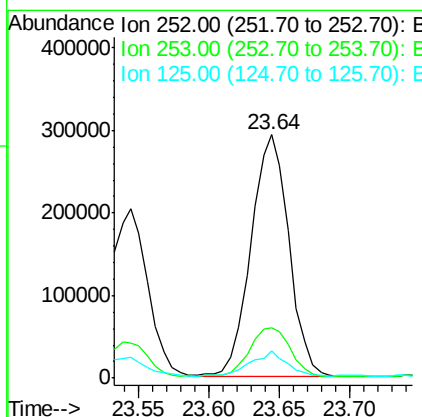
RT: 23.64 min Scan# 3495

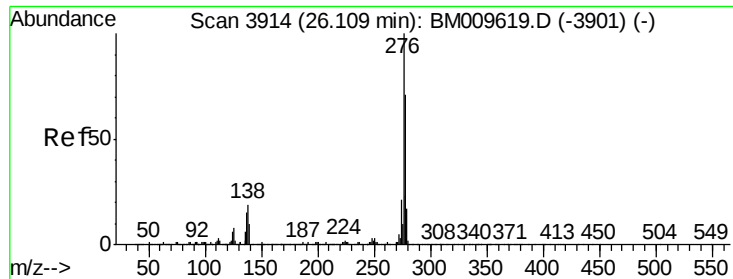
Delta R.T. 0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Tgt Ion:	252	Resp:	548768
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.1	25.7
125	11.0	9.4	14.2





#28

Indeno(1,2,3-cd)pyrene

Concen: 5.48 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

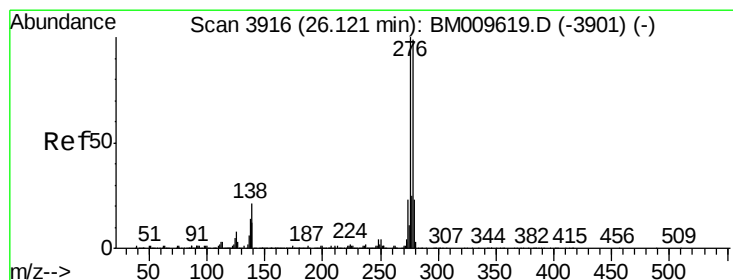
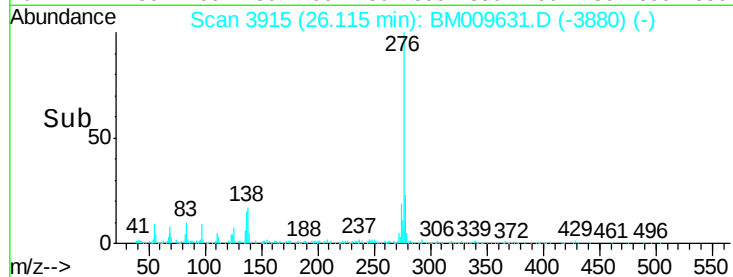
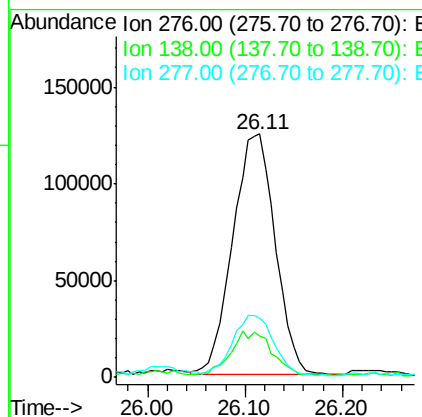
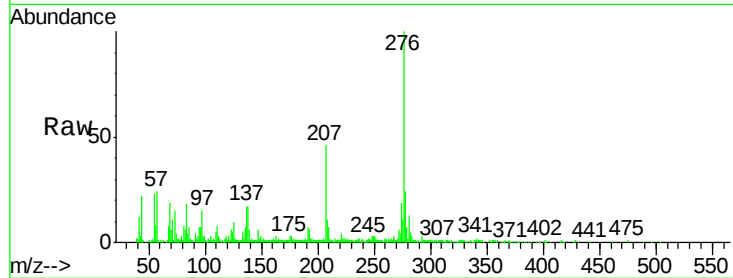
ClientSampleId :

CB381

Tgt Ion:	276	Resp:	377841
Ion Ratio	Lower	Upper	
276	100		
138	16.9	17.8	26.6#
277	24.4	19.4	29.0

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:51 PM



#29

Dibenzo(a,h)anthracene

Concen: 1.87 ng/ul m

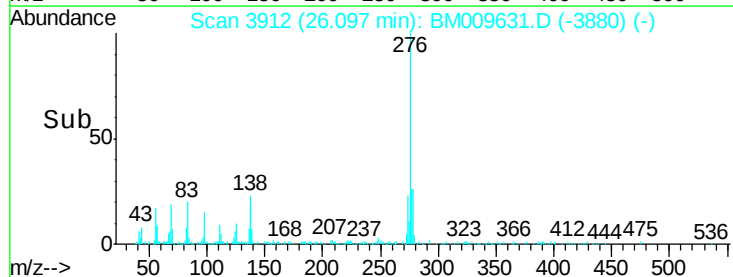
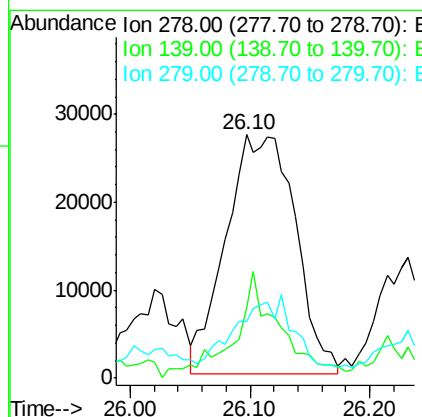
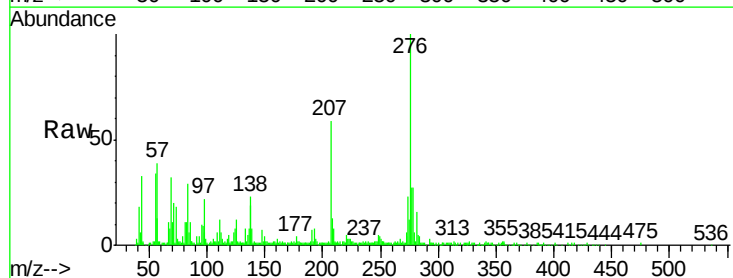
RT: 26.10 min Scan# 3912

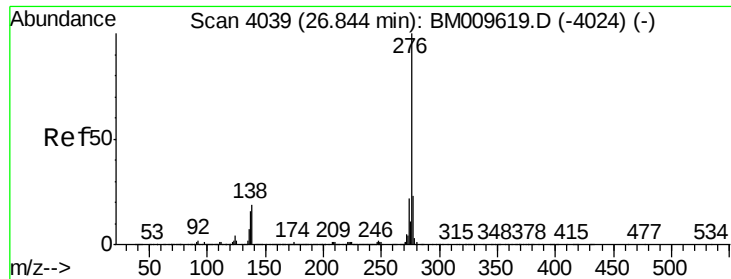
Delta R.T. -0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Tgt Ion:	278	Resp:	109490
Ion Ratio	Lower	Upper	
278	100		
139	28.8	14.0	21.0#
279	23.1	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 5.94 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM009631.D

Acq: 07 Apr 2017 16:26

Instrument :

BNA_M

ClientSampleId :

CB381

Tgt	Ion	276	Resp	337708
	Ratio	100	Lower	Upper
	276	100		
	138	15.7	19.0	28.4#
	277	26.0	19.7	29.5

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:51 PM

