

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009627.D
 Acq On : 07 Apr 2017 14:02
 Operator : SJ/MA
 Sample : I2526-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB377

Manual Integrations
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 4/10/2017 1:23:33 PM

Quant Time: Apr 07 14:40:50 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	152881	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	590993	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	337676	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	773959	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	976368	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	944630	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.25	165	167371	18.42	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	977247	29.53	ng/ul	0.00
10) Fluorene-d10	15.48	176	700017	29.41	ng/ul	0.00
15) Anthracene-d10	17.33	188	1169927	31.59	ng/ul	0.00
19) Pyrene-d10	19.63	212	1408187	35.10	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1391483	33.36	ng/ul	0.00
Target Compounds						
4) Naphthalene	10.69	128	59040	1.95	ng/ul	Qvalue 96
5) 2-Methylnaphthalene	12.30	142	38713	1.75	ng/ul	93
8) Acenaphthylene	14.21	152	90214	2.72	ng/ul	98
11) Fluorene	15.53	166	32225m	1.15	ng/ul	
14) Phenanthrene	17.28	178	666383	15.31	ng/ul	97
16) Anthracene	17.37	178	169509	3.77	ng/ul	98
17) Fluoranthene	19.29	202	1402347	25.88	ng/ul	98
20) Pyrene	19.66	202	1382853	26.01	ng/ul	94
21) Benzo(a)anthracene	21.40	228	819587	14.85	ng/ul	99
22) Chrysene	21.46	228	824572	16.30	ng/ul	95
24) Benzo(b)fluoranthene	23.04	252	1213077	20.76	ng/ul#	92
25) Benzo(k)fluoranthene	23.09	252	332114m	5.97	ng/ul	
27) Benzo(a)pyrene	23.64	252	793323	14.28	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	26.11	276	594980	9.55	ng/ul	96
29) Dibenzo(a,h)anthracene	26.10	278	163443m	3.09	ng/ul	
30) Benzo(g,h,i)perylene	26.85	276	548378	10.68	ng/ul#	93

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

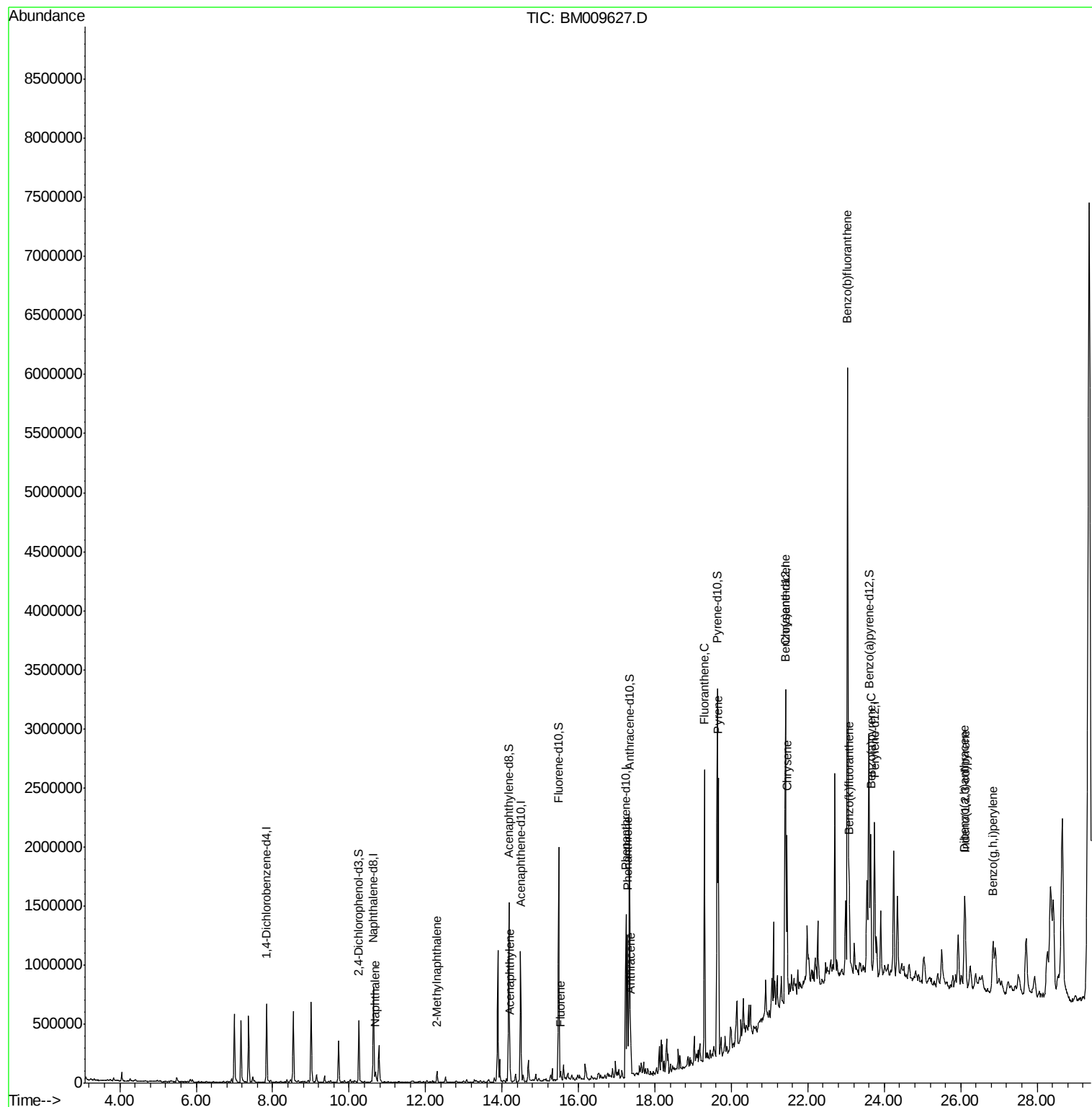
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
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ALS Vial : 10 Sample Multiplier: 1

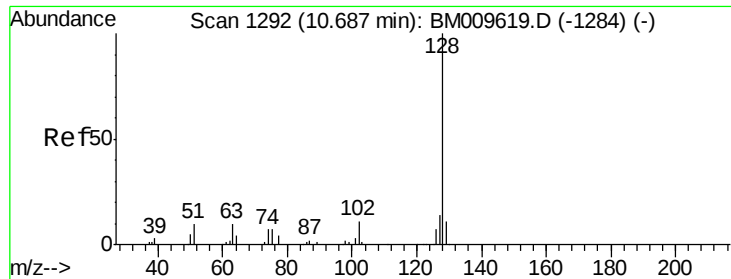
Instrument :
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Quant Time: Apr 07 14:40:50 2017
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Apr 07 03:19:28 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.95 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Instrument :

BNA_M

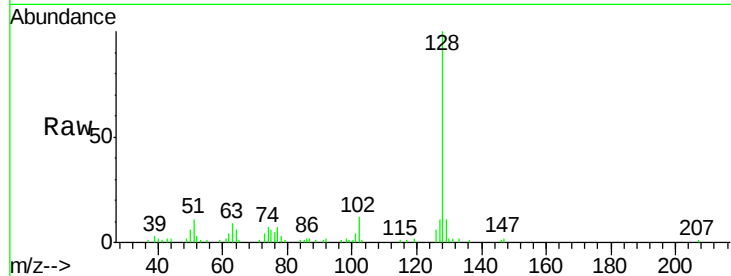
ClientSampleId :

CB377

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.1	13.7
127	11.3	10.6	15.8

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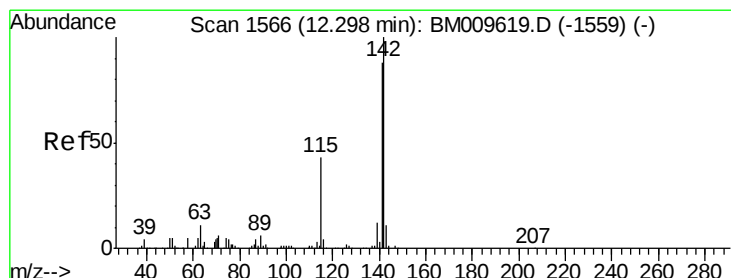
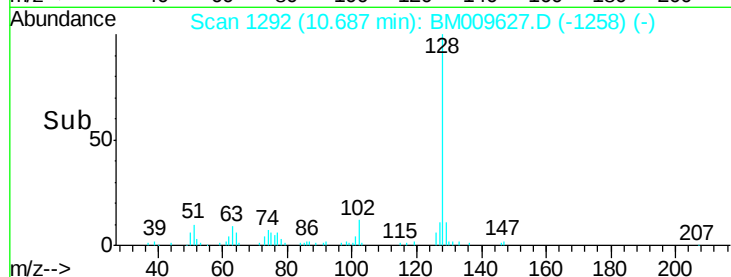
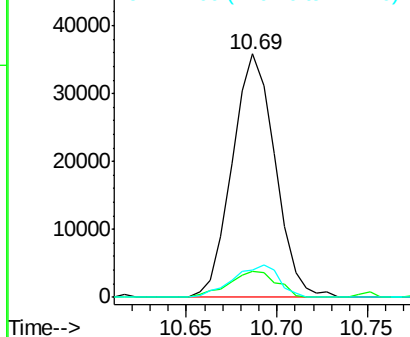


Abundance

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: 1.75 ng/ul

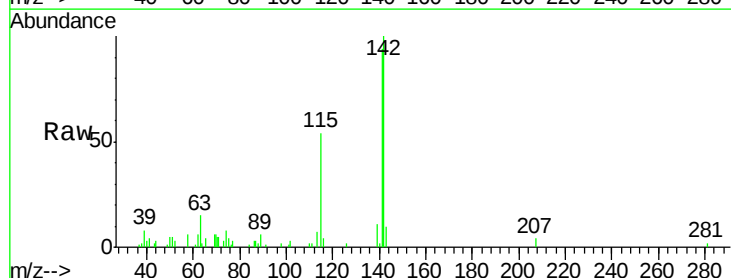
RT: 12.30 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

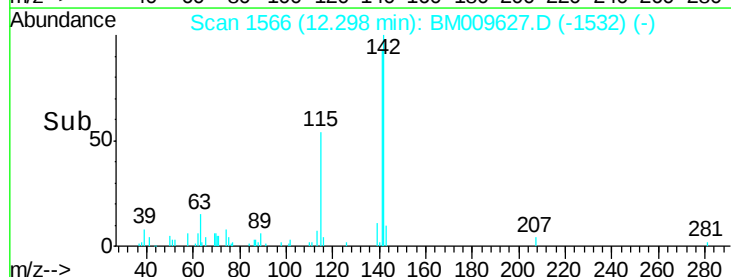
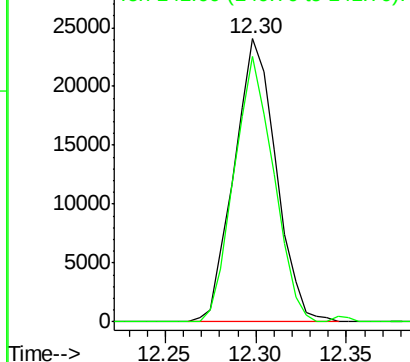
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	69.8	104.8

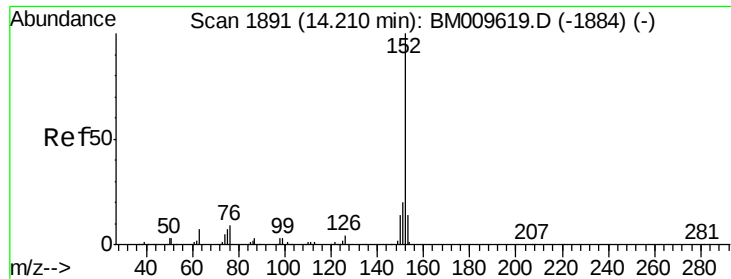


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 2.72 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Instrument :

BNA_M

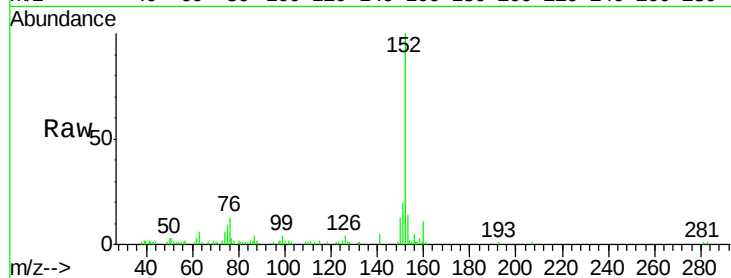
ClientSampleId :

CB377

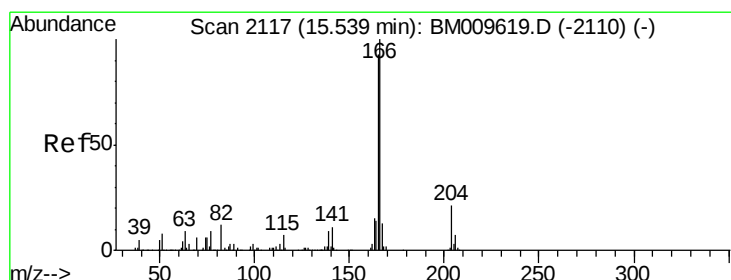
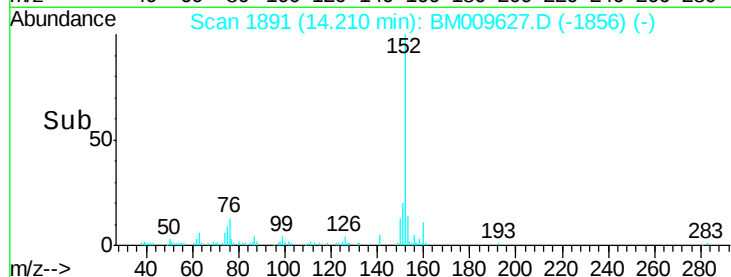
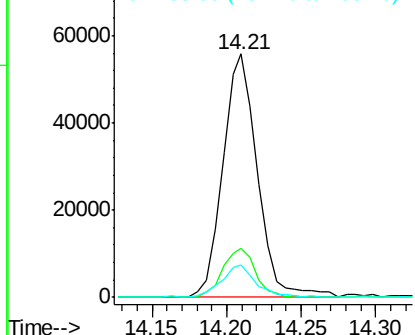
Tgt Ion:	152	Resp:	90214
Ion Ratio	Lower	Upper	
152	100		
151	20.3	17.5	26.3
153	13.5	10.6	16.0

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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



#11

Fluorene

Concen: 1.15 ng/ul m

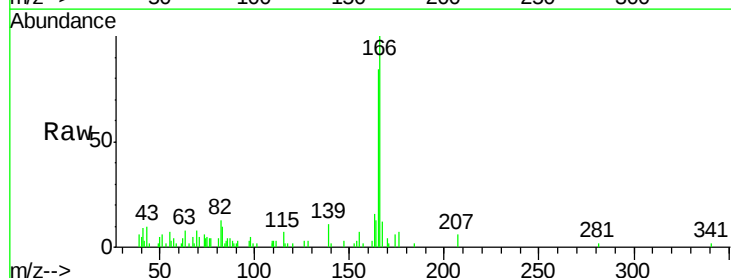
RT: 15.53 min Scan# 2116

Delta R.T. 0.00 min

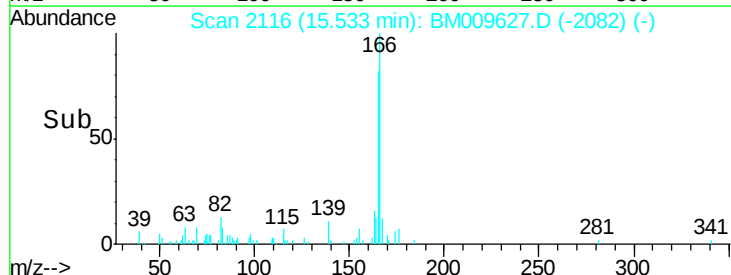
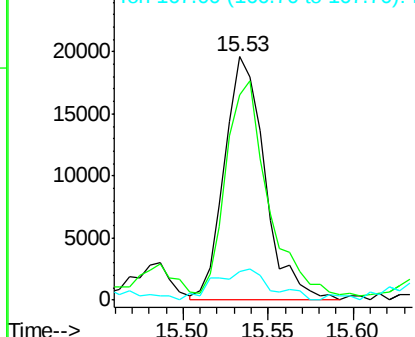
Lab File: BM009627.D

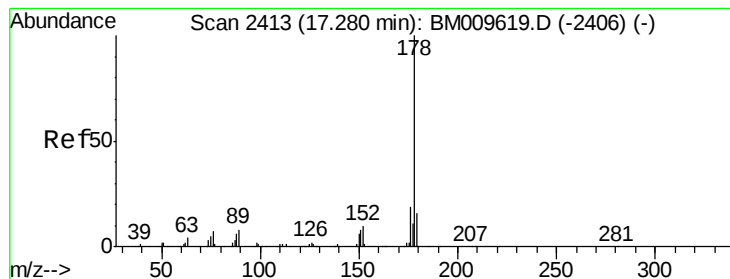
Acq: 07 Apr 2017 14:02

Tgt Ion:	166	Resp:	32225
Ion Ratio	Lower	Upper	
166	100		
165	84.0	80.0	120.0
167	11.5	11.6	17.4#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#14

Phenanthrene

Concen: 15.31 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Instrument :

BNA_M

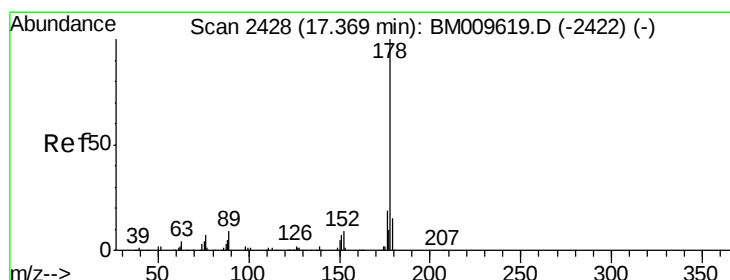
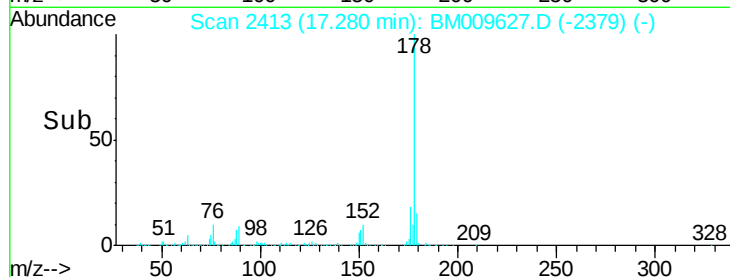
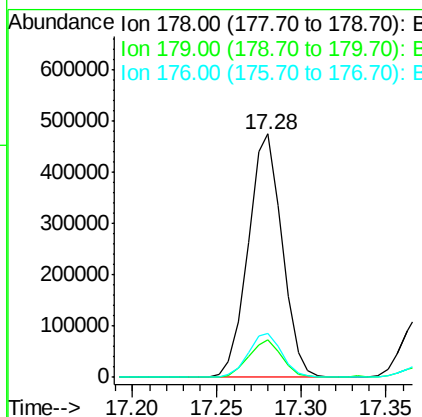
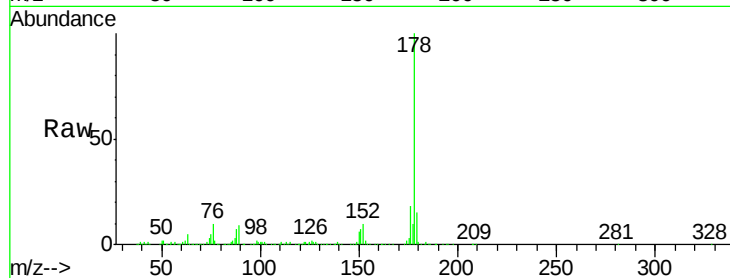
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Tgt Ion	Ratio	Resp	Lower	Upper
178	100	666383		
179	15.4	12.2	18.4	
176	17.9	16.4	24.6	

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#16

Anthracene

Concen: 3.77 ng/ul

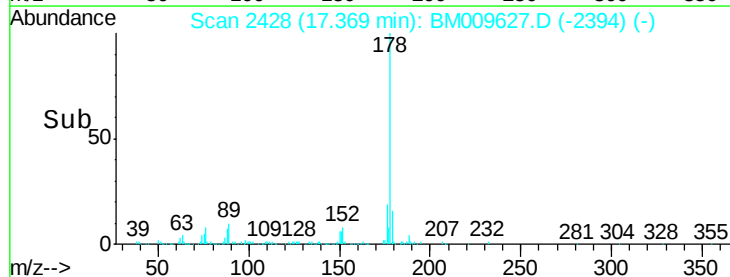
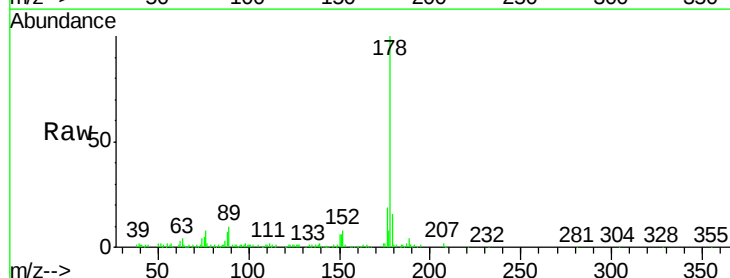
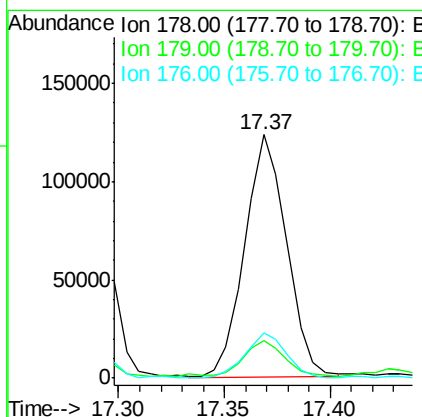
RT: 17.37 min Scan# 2428

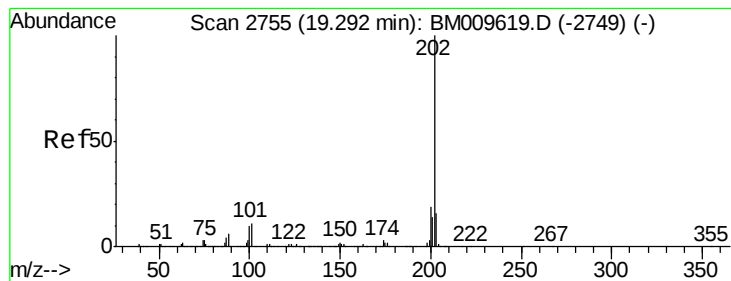
Delta R.T. 0.00 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	169509		
179	15.6	12.7	19.1	
176	18.7	15.8	23.8	





#17

Fluoranthene

Concen: 25.88 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Instrument :

BNA_M

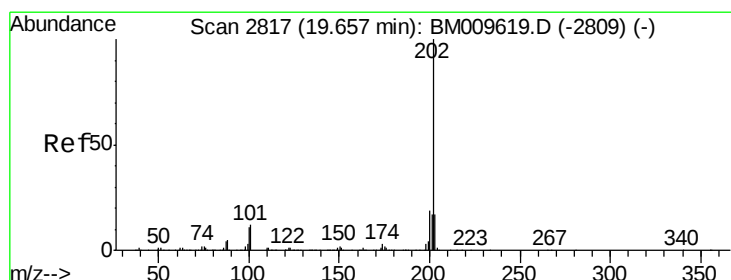
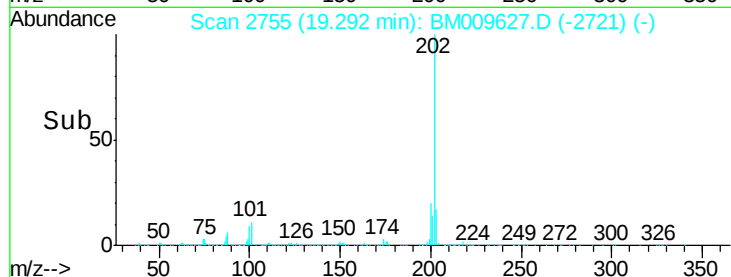
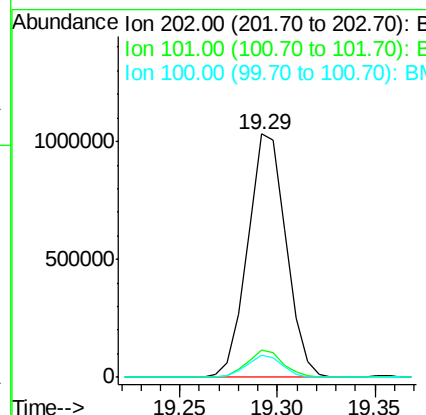
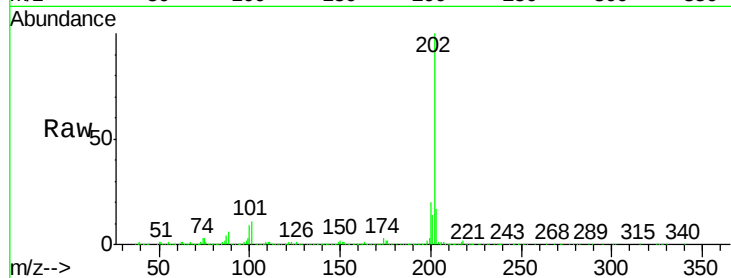
ClientSampleId :

CB377

Tgt Ion:	202	Resp:	1402347
Ion Ratio	Lower	Upper	
202	100		
101	11.3	9.8	14.8
100	9.0	7.5	11.3

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#20

Pyrene

Concen: 26.01 ng/ul

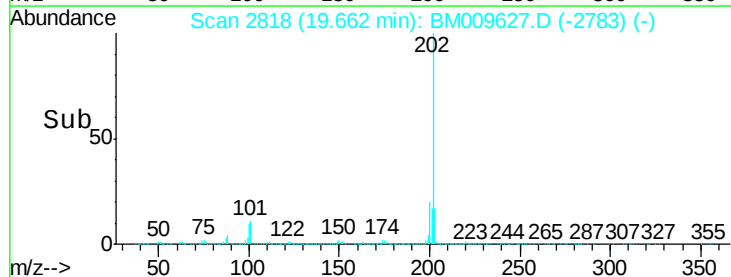
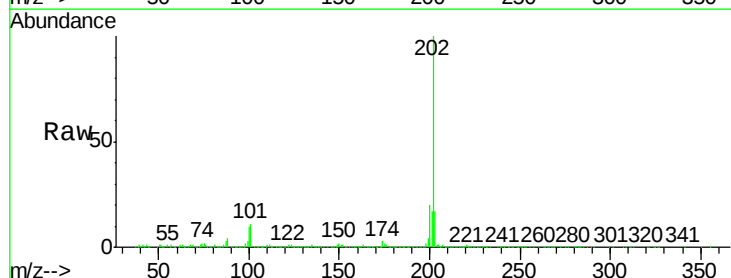
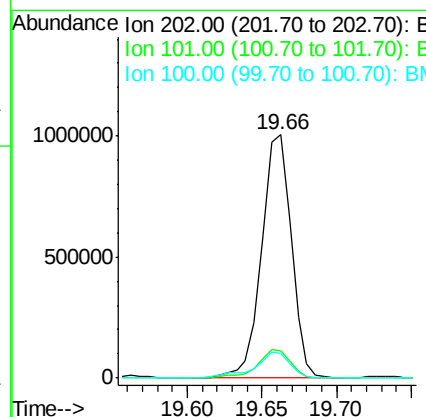
RT: 19.66 min Scan# 2818

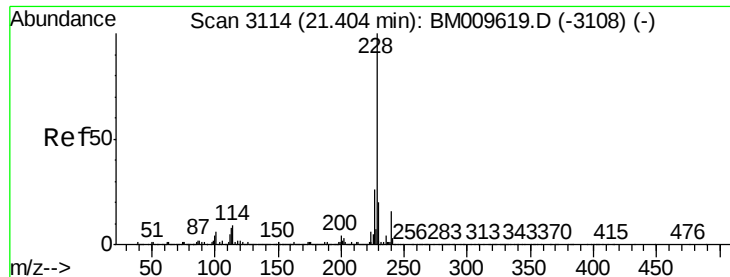
Delta R.T. 0.01 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Tgt Ion:	202	Resp:	1382853
Ion Ratio	Lower	Upper	
202	100		
101	11.3	11.2	16.8
100	10.0	9.8	14.6





#21

Benzo(a)anthracene

Concen: 14.85 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Instrument :

BNA_M

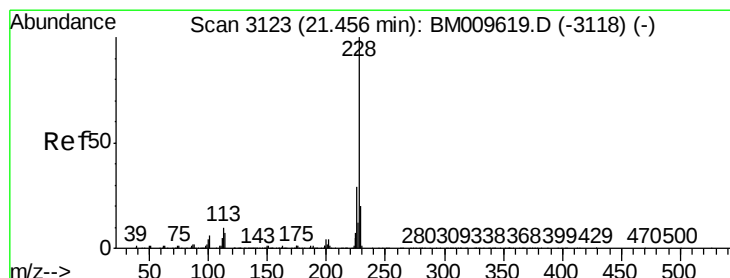
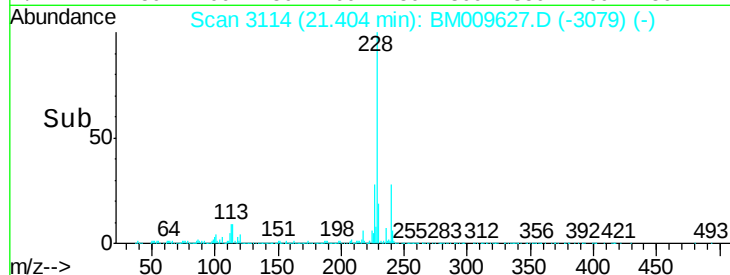
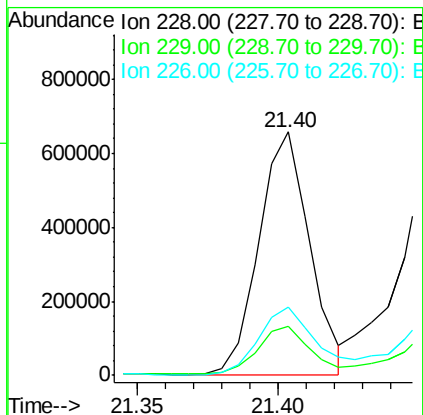
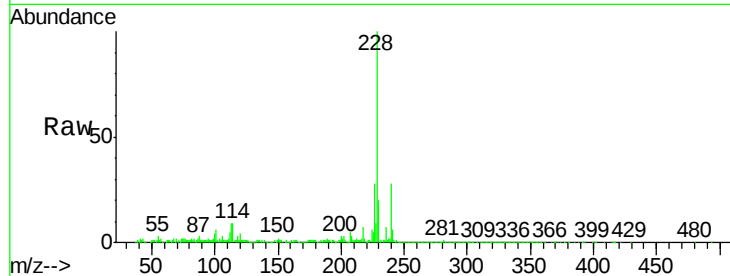
ClientSampleId :

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Tgt Ion:	228	Resp:	819587
Ion Ratio	Lower	Upper	
228	100		
229	20.2	15.9	23.9
226	28.1	22.1	33.1

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#22

Chrysene

Concen: 16.30 ng/ul

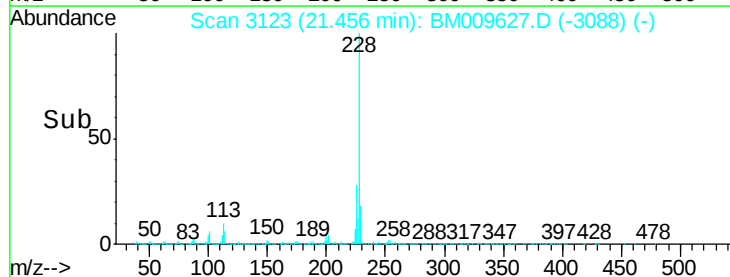
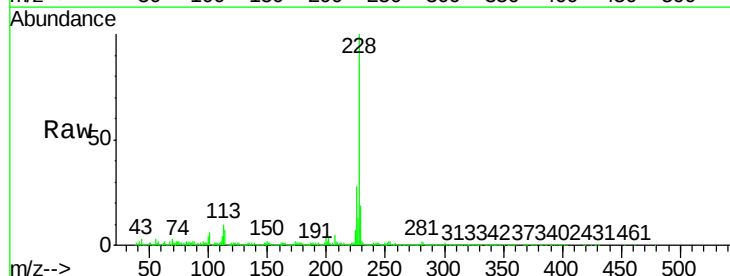
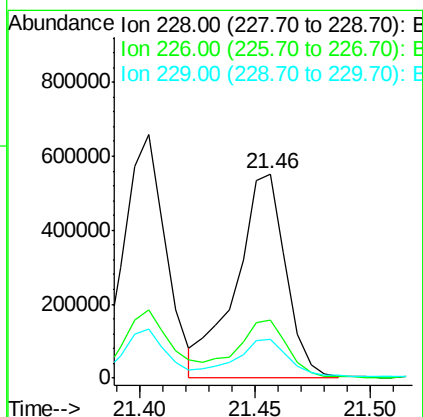
RT: 21.46 min Scan# 3123

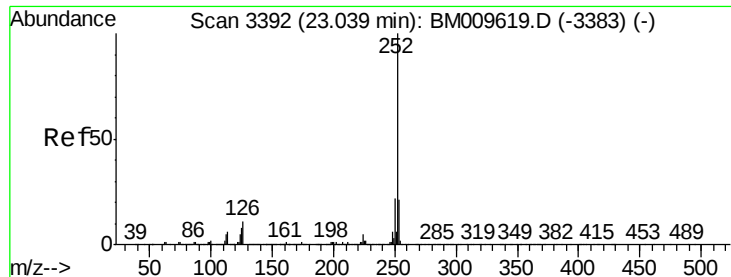
Delta R.T. 0.01 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Tgt Ion:	228	Resp:	824572
Ion Ratio	Lower	Upper	
228	100		
226	28.4	25.0	37.6
229	18.8	16.6	25.0





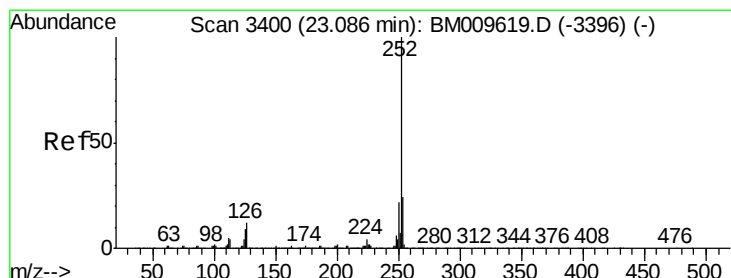
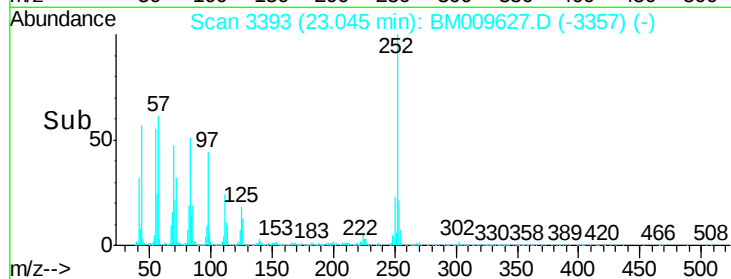
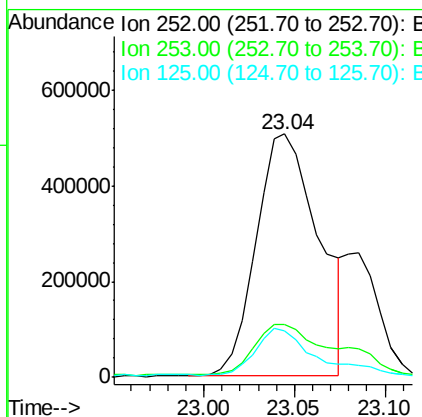
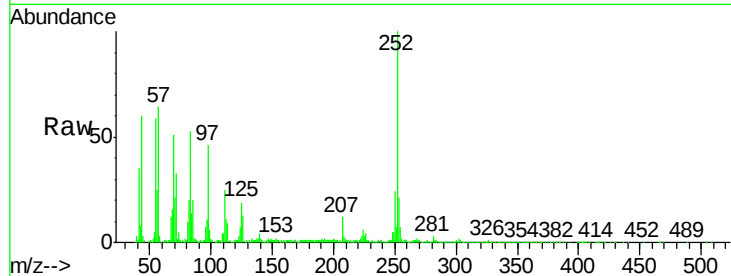
#24
Benzo(b)fluoranthene
Concen: 20.76 ng/ul
RT: 23.04 min Scan# 3393
Delta R.T. 0.01 min
Lab File: BM009627.D
Acq: 07 Apr 2017 14:02

Instrument :
BNA_M
ClientSampleId :
CB377

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	19.0	9.4	14.0

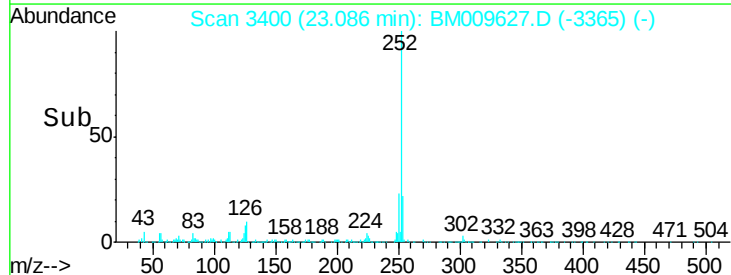
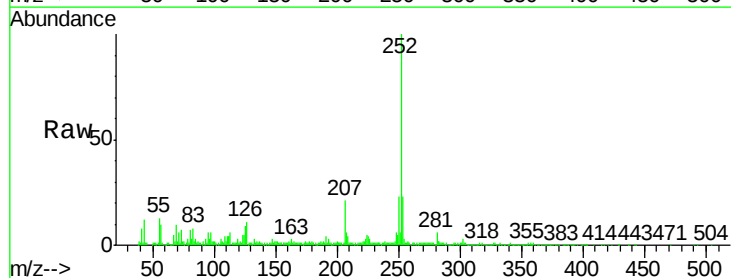
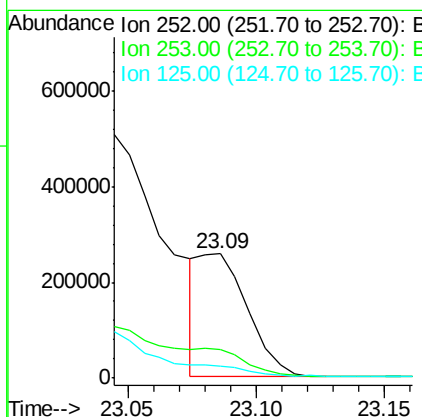
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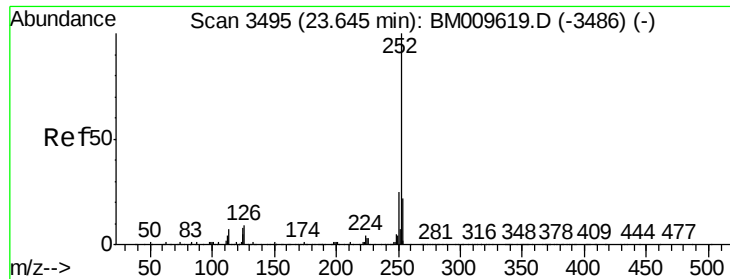
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#25
Benzo(k)fluoranthene
Concen: 5.97 ng/ul m
RT: 23.09 min Scan# 3400
Delta R.T. 0.01 min
Lab File: BM009627.D
Acq: 07 Apr 2017 14:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	9.2	8.8	13.2





#27

Benzo(a)pyrene

Concen: 14.28 ng/ul

RT: 23.64 min Scan# 3495

Delta R.T. 0.01 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Instrument :

BNA_M

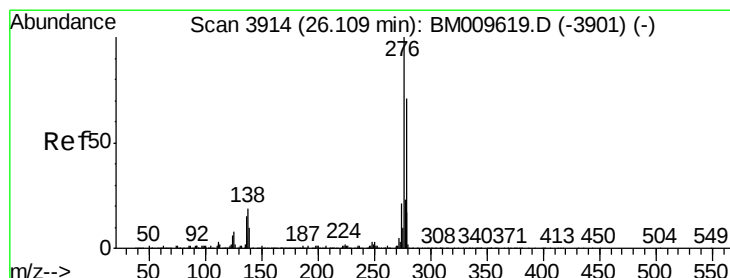
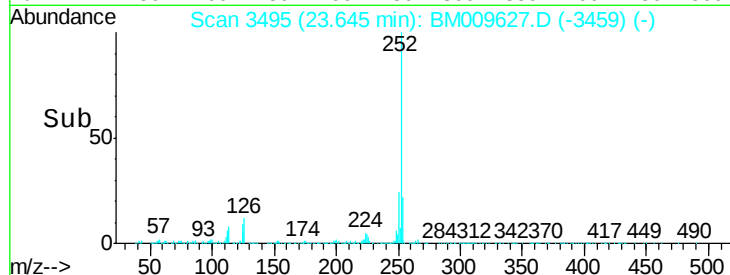
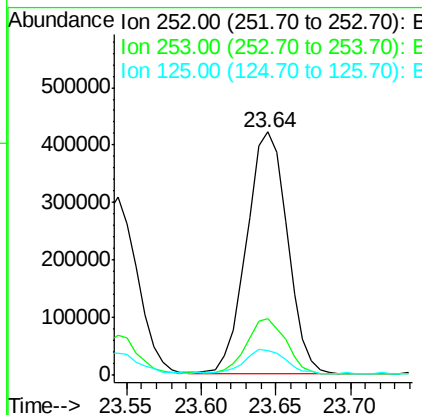
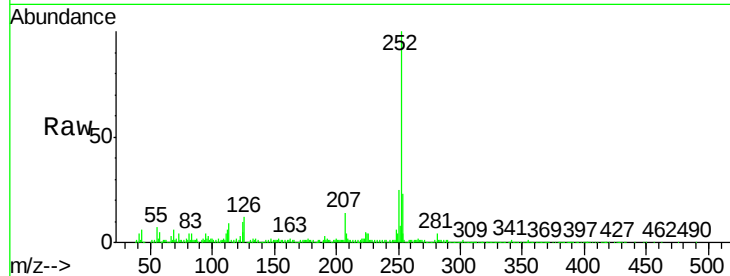
ClientSampleId :

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Tgt Ion:	252	Resp:	793323
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.1	25.7
125	10.2	9.4	14.2

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#28

Indeno(1,2,3-cd)pyrene

Concen: 9.55 ng/ul

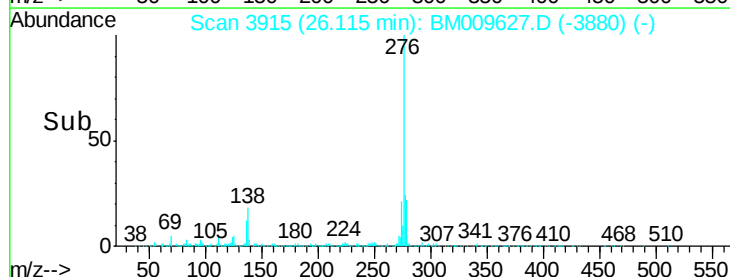
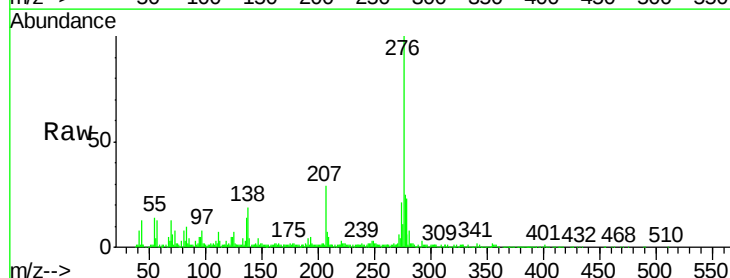
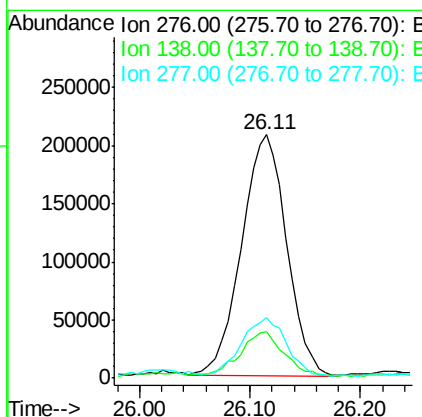
RT: 26.11 min Scan# 3915

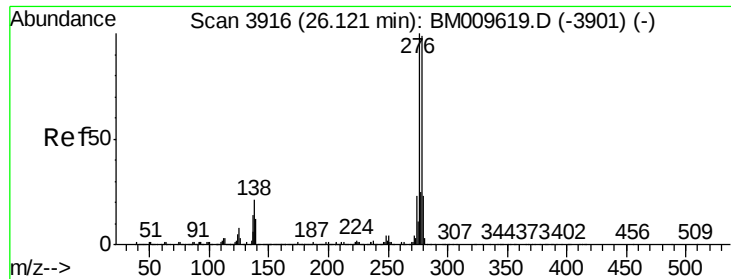
Delta R.T. 0.01 min

Lab File: BM009627.D

Acq: 07 Apr 2017 14:02

Tgt Ion:	276	Resp:	594980
Ion Ratio	Lower	Upper	
276	100		
138	18.9	17.8	26.6
277	25.0	19.4	29.0





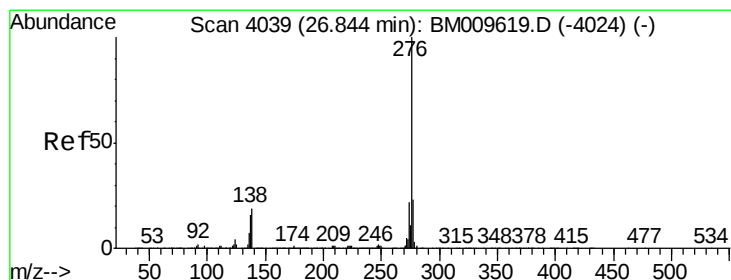
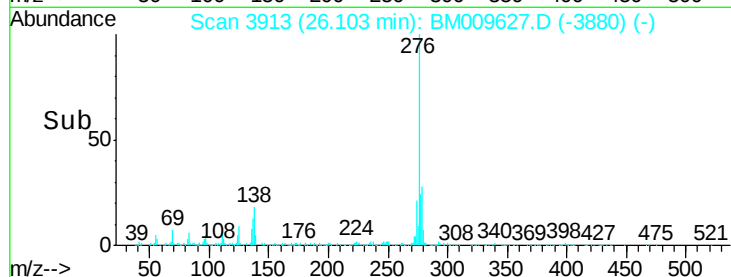
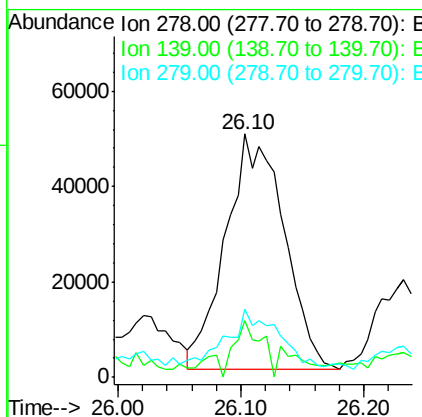
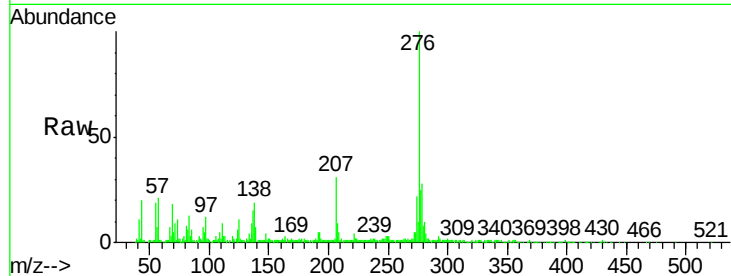
#29
Dibenzo(a,h)anthracene
Concen: 3.09 ng/ul m
RT: 26.10 min Scan# 3913
Delta R.T. -0.01 min
Lab File: BM009627.D
Acq: 07 Apr 2017 14:02

Instrument :
BNA_M
ClientSampleId :
CB377

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	14.0	21.0#
279	28.1	20.6	31.0

Manual Integrations
APPROVED

mohammad
4/10/2017 1:23:33 PM



#30
Benzo(g,h,i)perylene
Concen: 10.68 ng/ul
RT: 26.85 min Scan# 4040
Delta R.T. 0.01 min
Lab File: BM009627.D
Acq: 07 Apr 2017 14:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.6	19.0	28.4#
277	22.3	19.7	29.5

