

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
 Data File : BM009637.D
 Acq On : 07 Apr 2017 20:02
 Operator : SJ/MA
 Sample : I2525-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB353

Manual Integrations
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Quant Time: Apr 08 01:51:40 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 08 01:45:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	170354	20.00	ng/ul	0.00
2) Naphthalene-d8	10.64	136	656236	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	374191	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.24	188	852938	20.00	ng/ul	0.00
18) Chrysene-d12	21.42	240	1066743	20.00	ng/ul	0.00
23) Perylene-d12	23.74	264	1036971	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.26	165	303023	30.03	ng/uL	0.00
7) Acenaphthylene-d8	14.18	160	1193247	32.54	ng/ul	0.00
10) Fluorene-d10	15.48	176	826382	31.33	ng/ul	0.00
15) Anthracene-d10	17.34	188	1305765m	32.00	ng/ul	0.00
19) Pyrene-d10	19.63	212	1530330	34.91	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.60	264	1500404	32.77	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.69	128	62040	1.84	ng/ul	94
5) 2-Methylnaphthalene	12.30	142	35154	1.43	ng/ul	99
8) Acenaphthylene	14.21	152	37197	1.01	ng/ul	99
9) Acenaphthene	14.55	153	46127	1.82	ng/ul	91
11) Fluorene	15.53	166	50639	1.64	ng/ul	86
14) Phenanthrene	17.28	178	982024	20.48	ng/ul	98
16) Anthracene	17.37	178	212154	4.28	ng/ul	97
17) Fluoranthene	19.30	202	1688392	28.27	ng/ul#	95
20) Pyrene	19.66	202	1611127	27.74	ng/ul	96
21) Benzo(a)anthracene	21.40	228	885758	14.69	ng/ul	99
22) Chrysene	21.46	228	924663	16.73	ng/ul	97
24) Benzo(b)fluoranthene	23.04	252	1421550	22.17	ng/ul	98
25) Benzo(k)fluoranthene	23.08	252	381622m	6.25	ng/ul	
27) Benzo(a)pyrene	23.64	252	967155m	15.86	ng/ul	
28) Indeno(1,2,3-cd)pyrene	26.11	276	744899	10.90	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.11	278	207394	3.57	ng/ul	93
30) Benzo(g,h,i)perylene	26.84	276	810341	14.38	ng/ul#	93

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

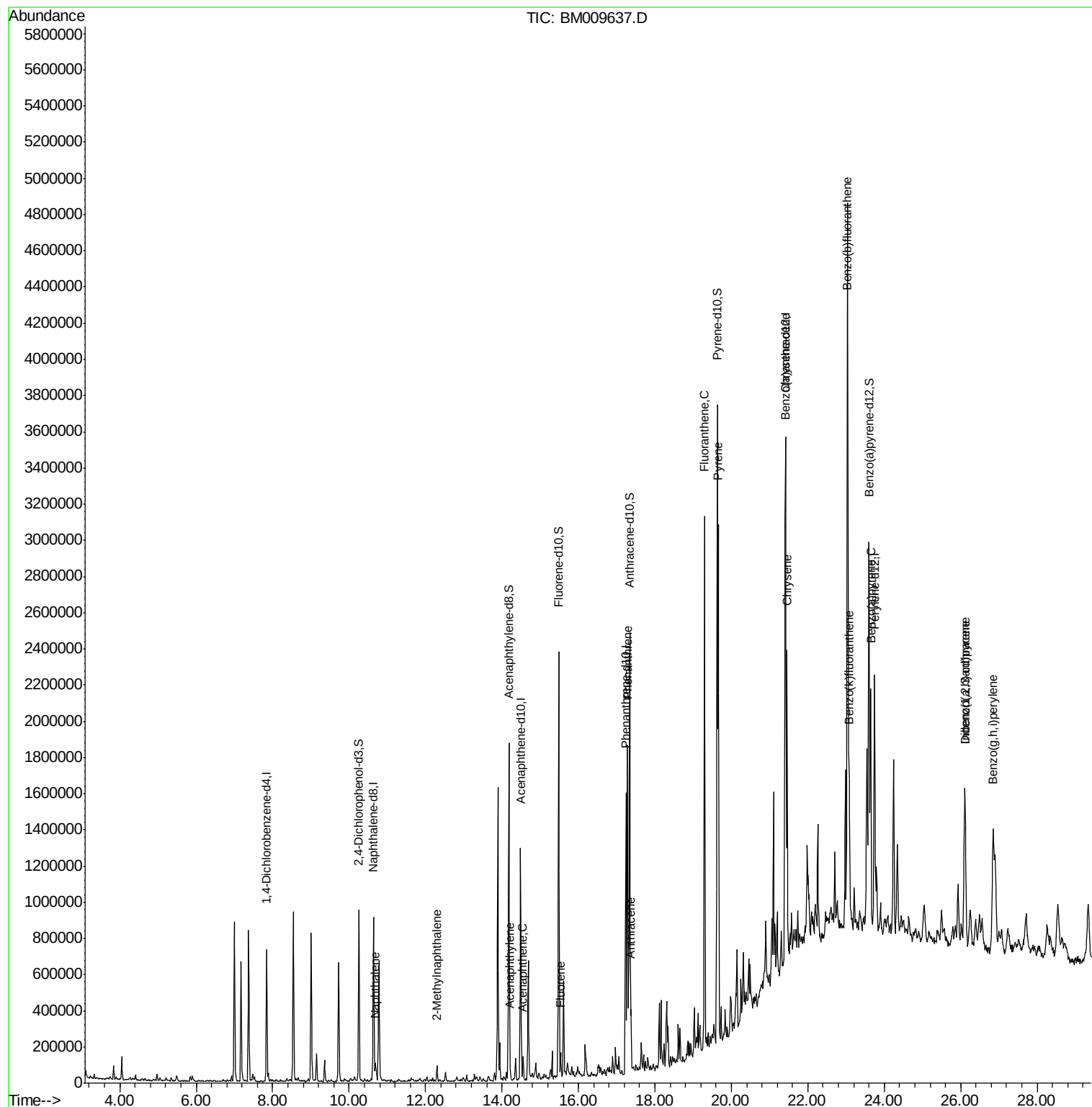
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040817\
Data File : BM009637.D
Acq On : 07 Apr 2017 20:02
Operator : SJ/MA
Sample : I2525-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

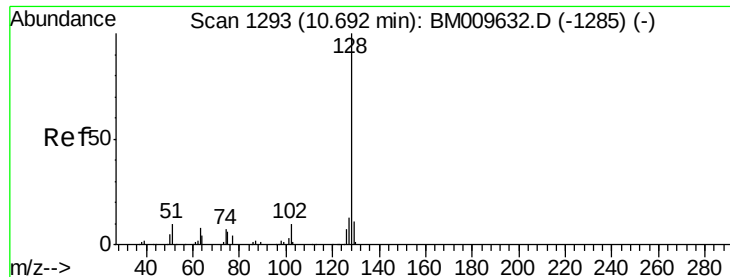
Instrument :
BNA_M
ClientSampled :
CB353

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Quant Time: Apr 08 01:51:40 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM040417-PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Apr 08 01:45:48 2017
Response via : Initial Calibration





#4

Naphthalene

Concen: 1.84 ng/ul

RT: 10.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

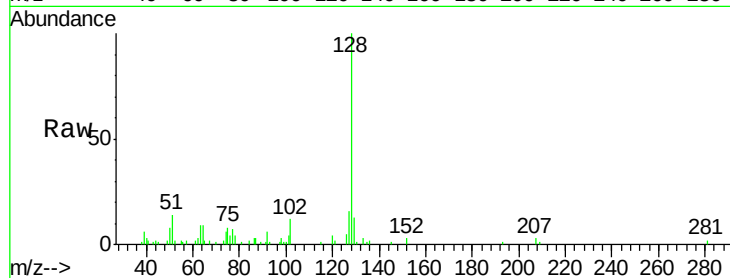
ClientSampled :

CB353

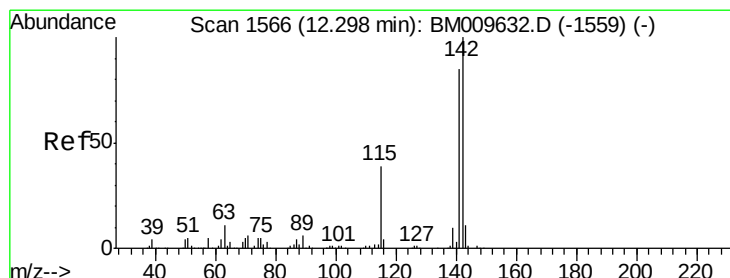
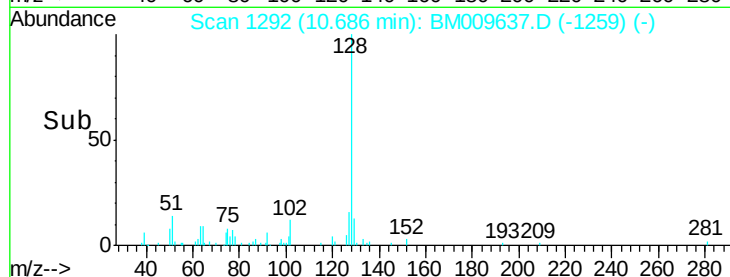
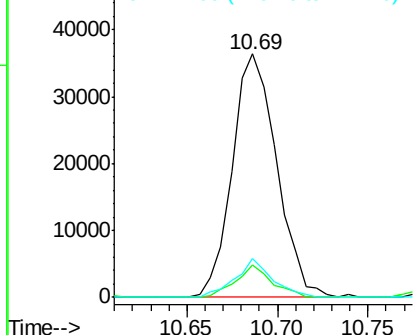
Tgt Ion:	128	Resp:	62040
Ion Ratio	Lower	Upper	
128	100		
129	13.1	9.1	13.7
127	15.8	10.6	15.8

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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: 1.43 ng/ul

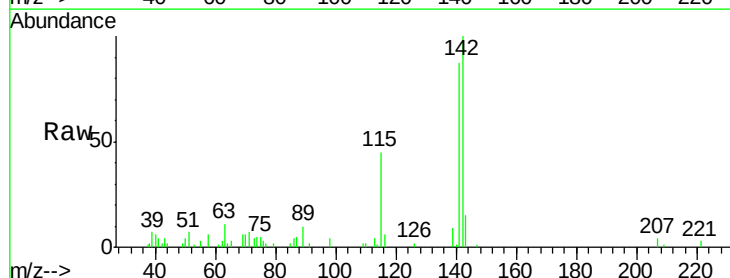
RT: 12.30 min Scan# 1566

Delta R.T. -0.00 min

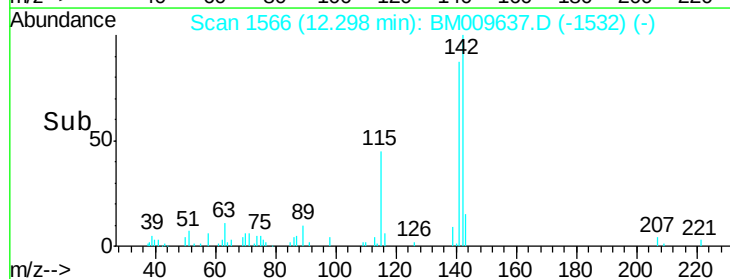
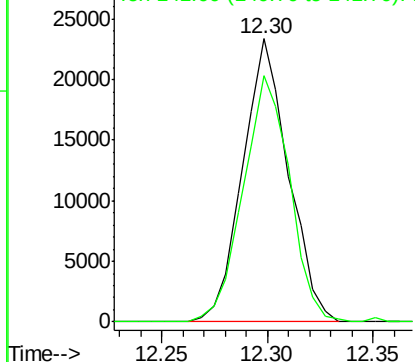
Lab File: BM009637.D

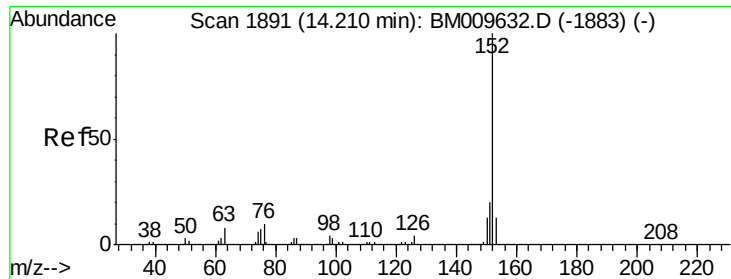
Acq: 07 Apr 2017 20:02

Tgt Ion:	142	Resp:	35154
Ion Ratio	Lower	Upper	
142	100		
141	86.8	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: 1.01 ng/ul

RT: 14.21 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BM009637.D

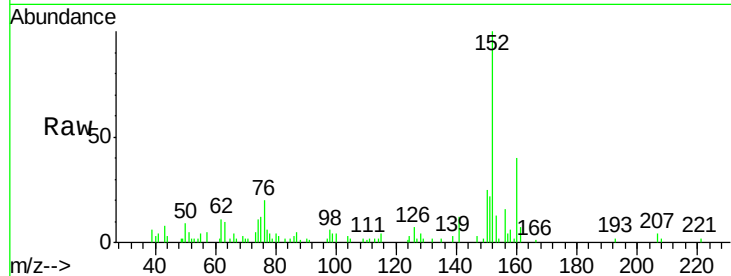
Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

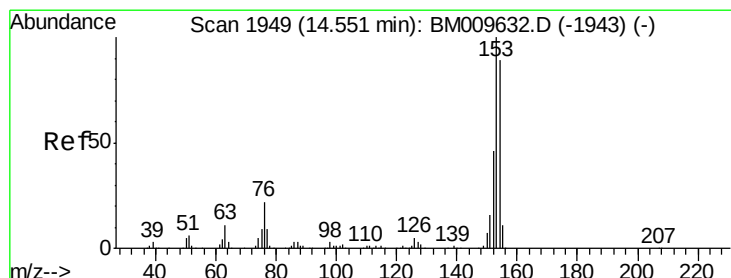
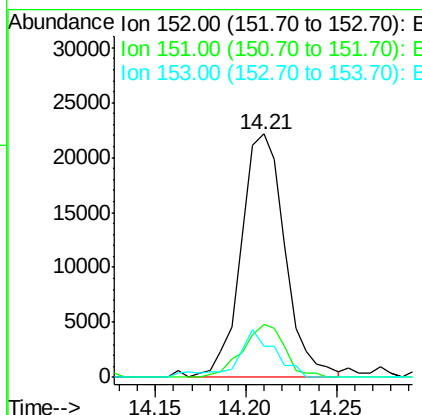
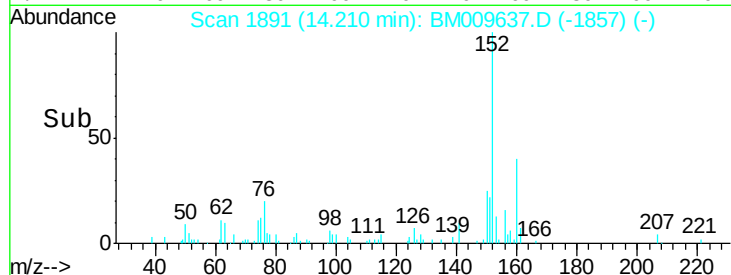
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Tgt Ion:	152	Resp:	37197
Ion Ratio	Lower	Upper	
152	100		
151	21.6	17.5	26.3
153	12.7	10.6	16.0

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#9

Acenaphthene

Concen: 1.82 ng/ul

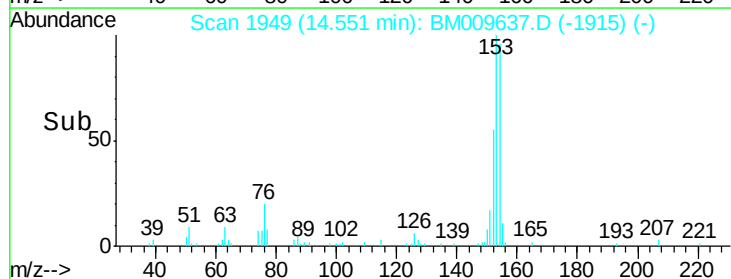
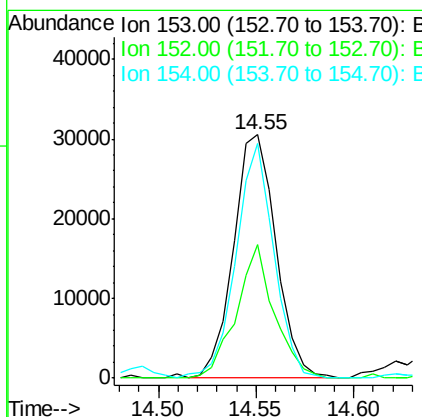
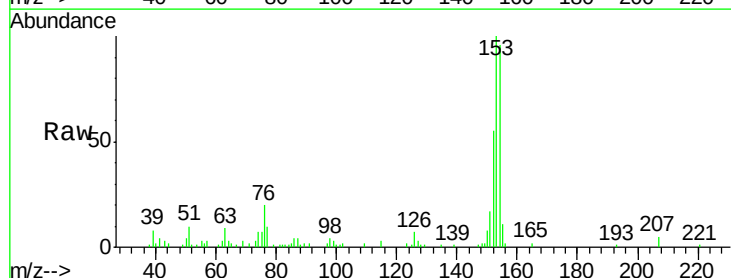
RT: 14.55 min Scan# 1949

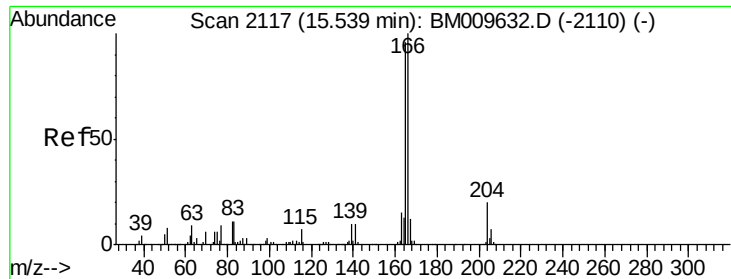
Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Tgt Ion:	153	Resp:	46127
Ion Ratio	Lower	Upper	
153	100		
152	54.7	37.9	56.9
154	96.4	71.6	107.4





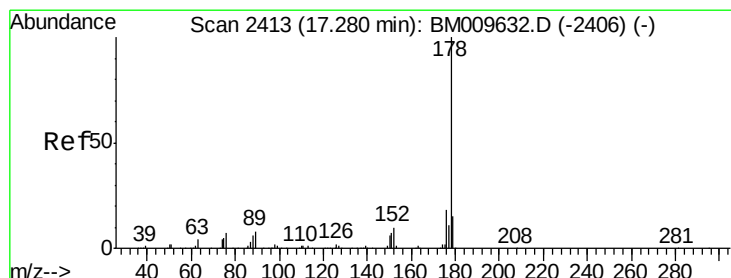
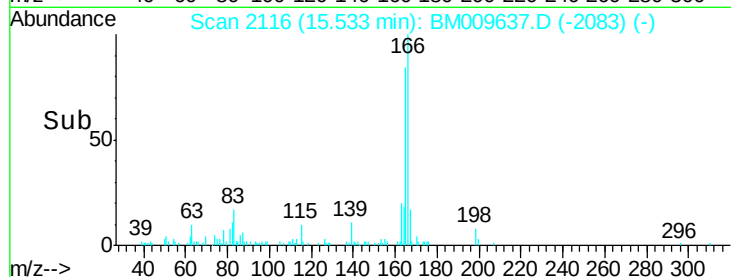
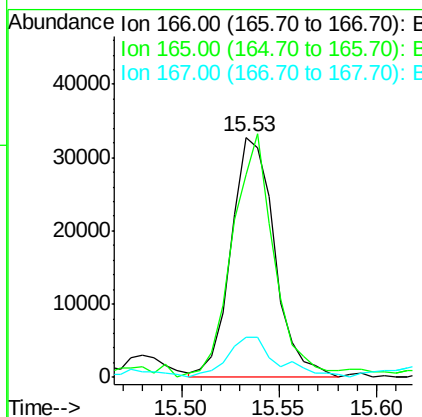
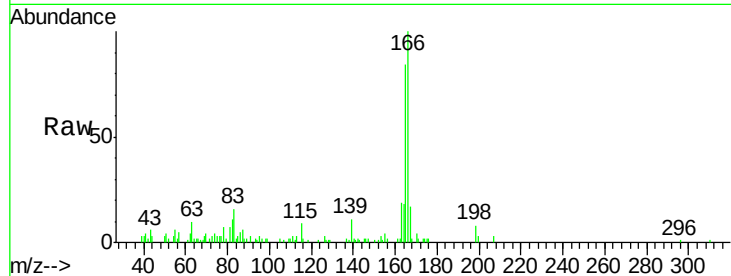
#11
Fluorene
 Concen: 1.64 ng/ul
 RT: 15.53 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: BM009637.D
 Acq: 07 Apr 2017 20:02

Instrument :
 BNA_M
 ClientSampleId :
 CB353

Tgt Ion	Ratio	Lower	Upper
166	100		
165	84.5	80.0	120.0
167	16.8	11.6	17.4

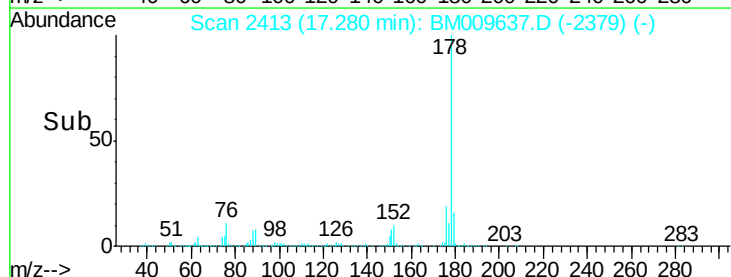
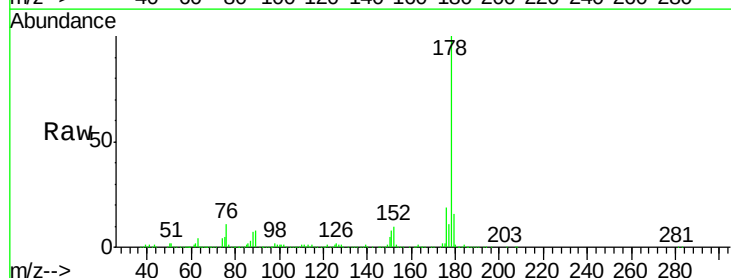
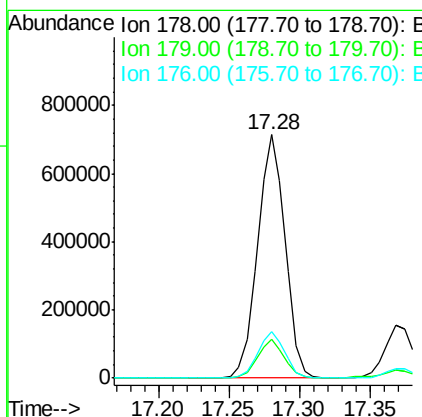
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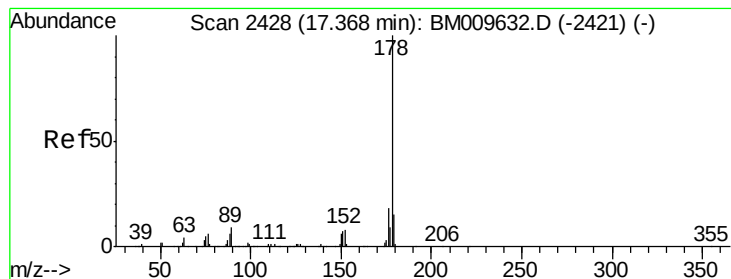
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#14
Phenanthrene
 Concen: 20.48 ng/ul
 RT: 17.28 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BM009637.D
 Acq: 07 Apr 2017 20:02

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	19.0	16.4	24.6





#16

Anthracene

Concen: 4.28 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

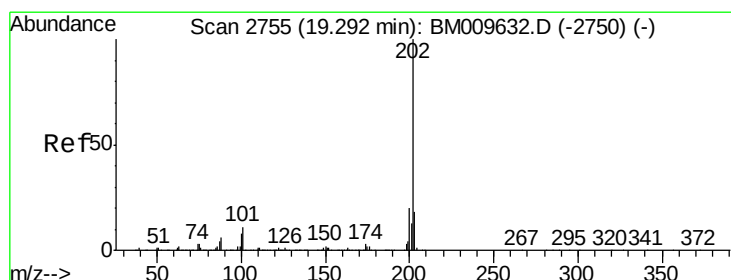
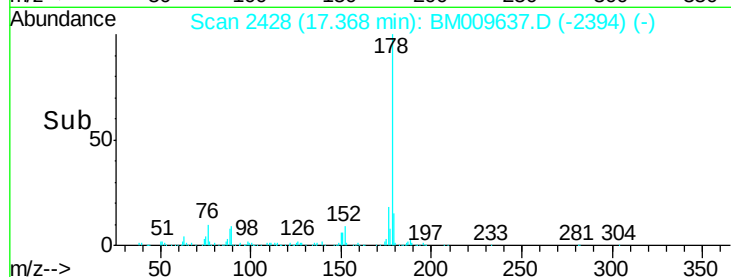
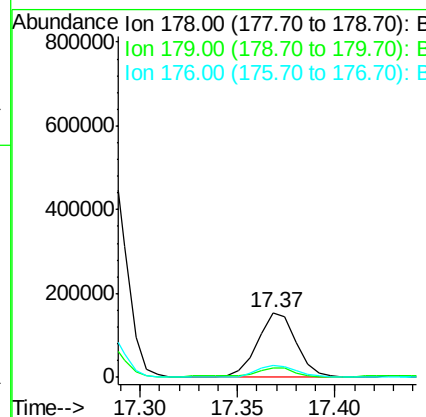
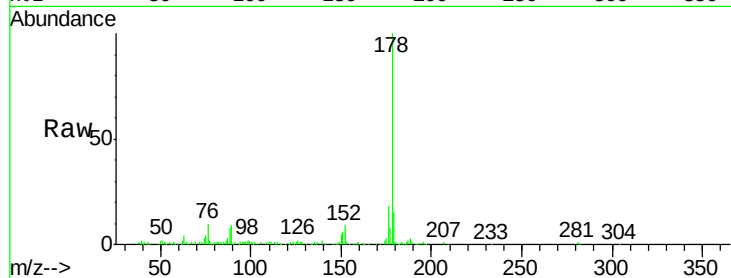
ClientSampleId :

CB353

Tgt Ion:	178	Resp:	212154
Ion Ratio	Lower	Upper	
178	100		
179	14.9	12.7	19.1
176	17.9	15.8	23.8

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#17

Fluoranthene

Concen: 28.27 ng/ul

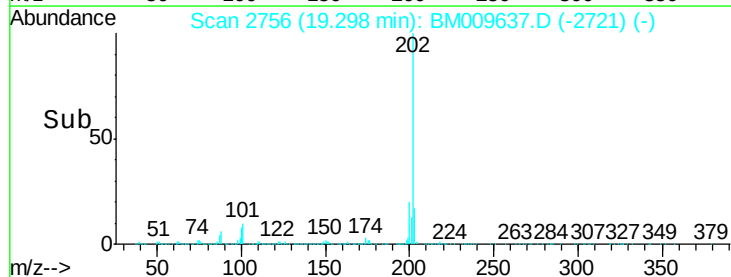
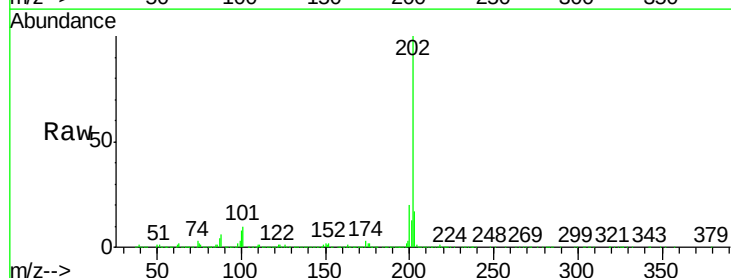
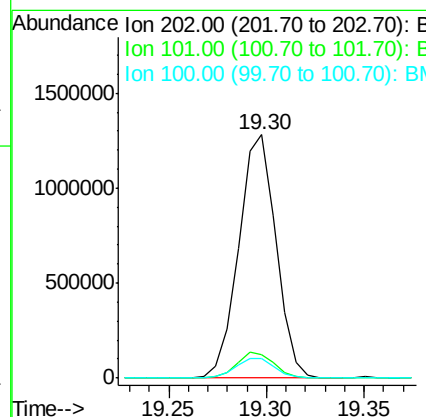
RT: 19.30 min Scan# 2756

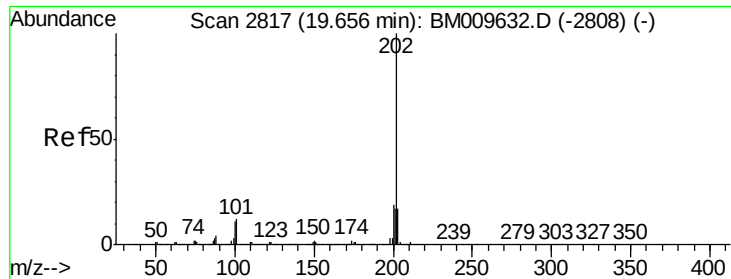
Delta R.T. 0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Tgt Ion:	202	Resp:	1688392
Ion Ratio	Lower	Upper	
202	100		
101	9.8	9.8	14.8#
100	8.2	7.5	11.3





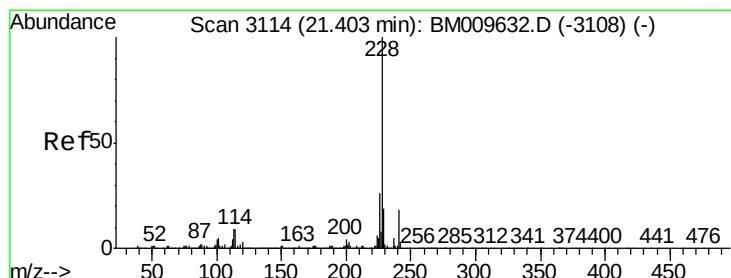
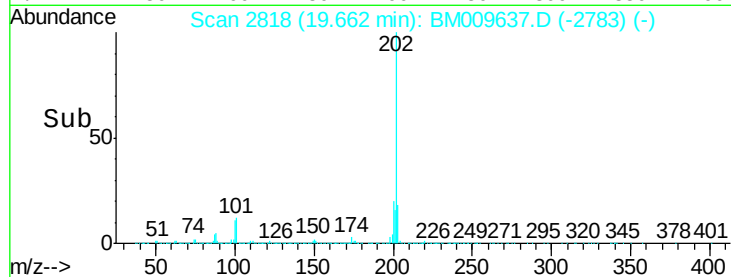
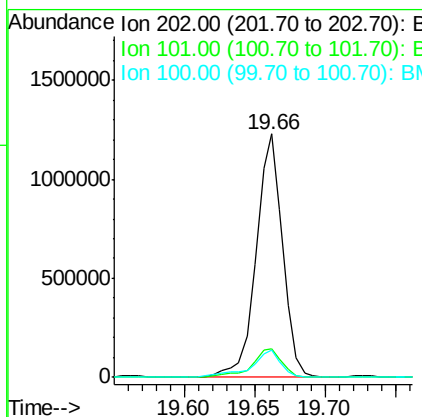
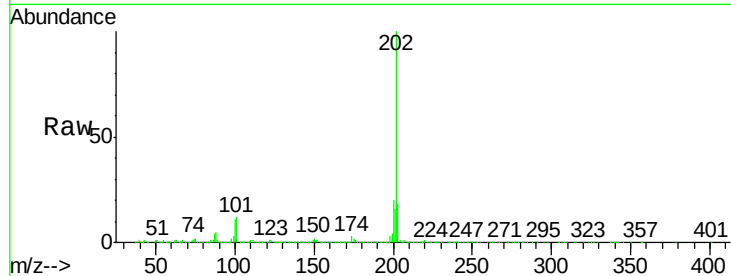
#20
Pyrene
Concen: 27.74 ng/ul
RT: 19.66 min Scan# 2818
Delta R.T. 0.01 min
Lab File: BM009637.D
Acq: 07 Apr 2017 20:02

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	11.2	16.8
100	11.0	9.8	14.6

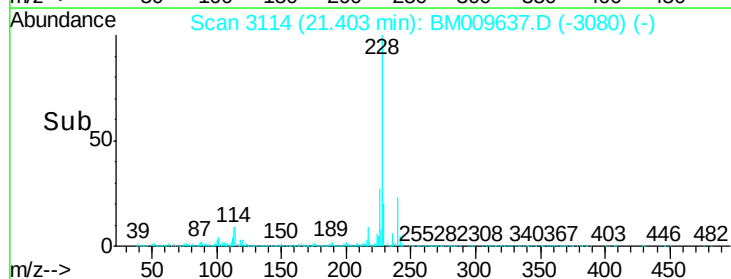
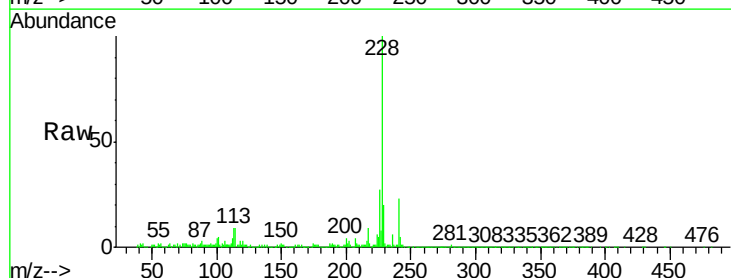
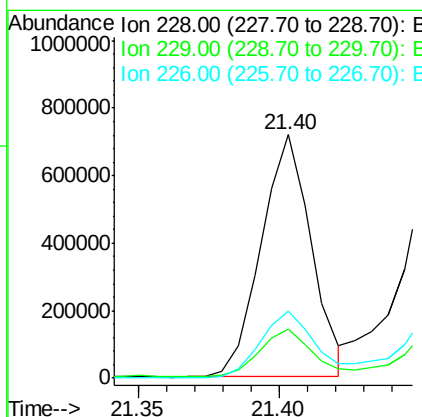
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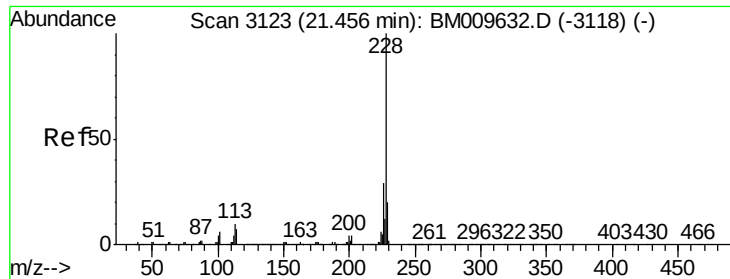
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#21
Benzo(a)anthracene
Concen: 14.69 ng/ul
RT: 21.40 min Scan# 3114
Delta R.T. -0.00 min
Lab File: BM009637.D
Acq: 07 Apr 2017 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.9	23.9
226	27.3	22.1	33.1





#22

Chrysene

Concen: 16.73 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. -0.00 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

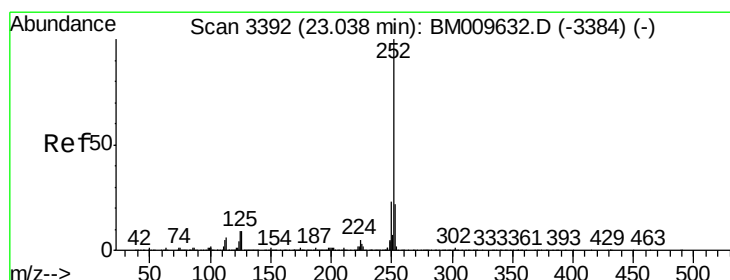
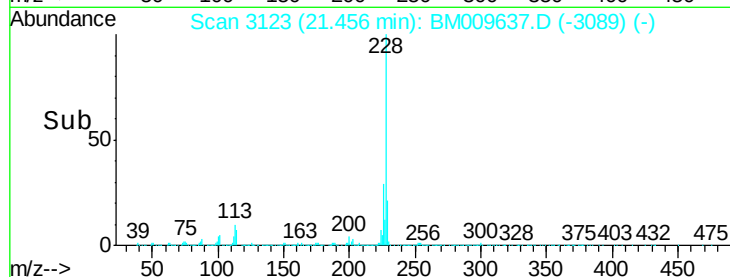
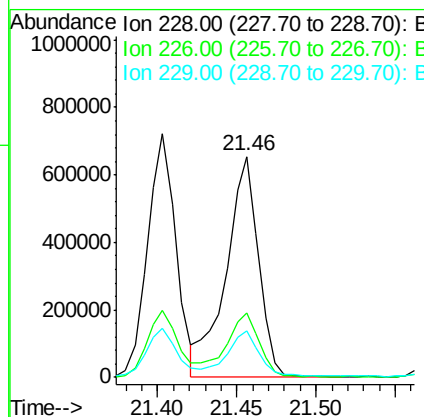
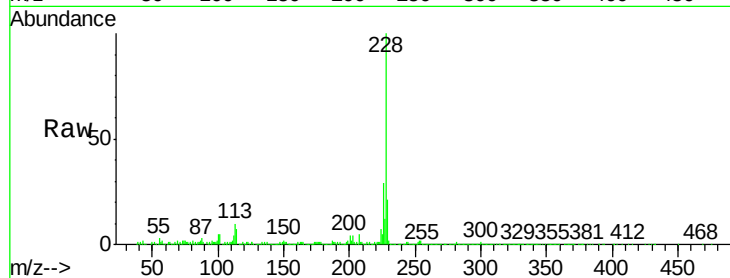
ClientSampleId :

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Tgt Ion:	228	Resp:	924663
Ion Ratio	Lower	Upper	
228	100		
226	29.2	25.0	37.6
229	21.1	16.6	25.0

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#24

Benzo(b)fluoranthene

Concen: 22.17 ng/ul

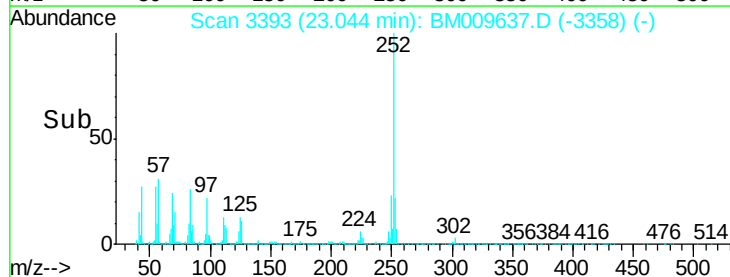
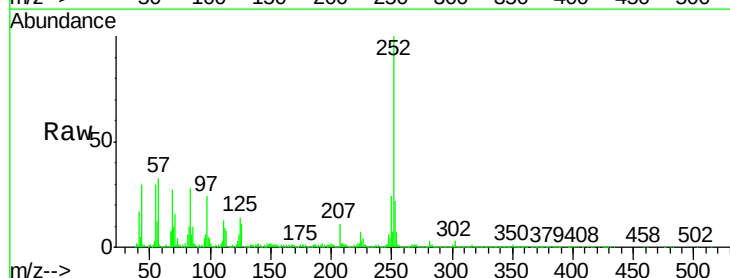
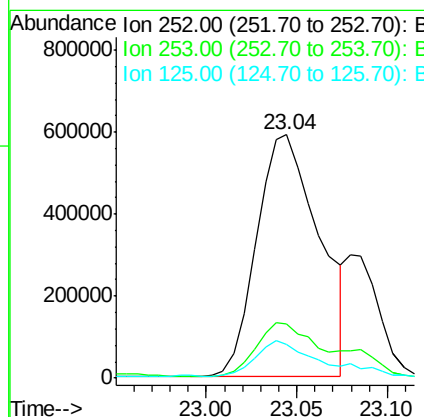
RT: 23.04 min Scan# 3393

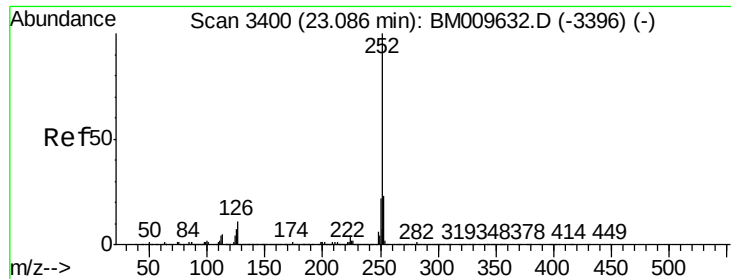
Delta R.T. 0.01 min

Lab File: BM009637.D

Acq: 07 Apr 2017 20:02

Tgt Ion:	252	Resp:	1421550
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.8	26.6
125	13.8	9.4	14.0





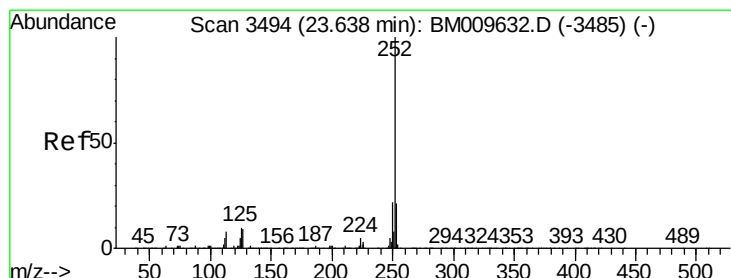
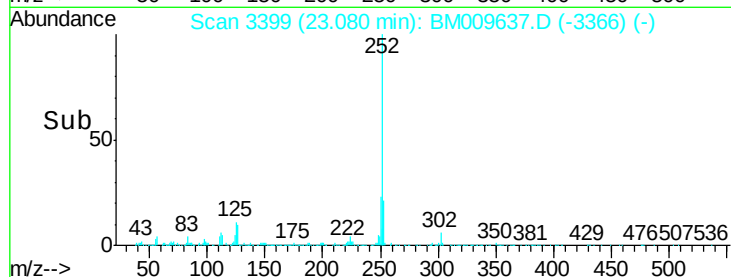
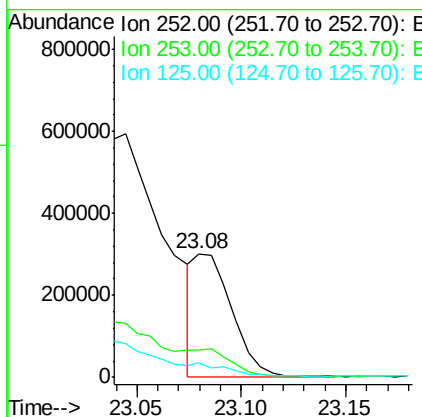
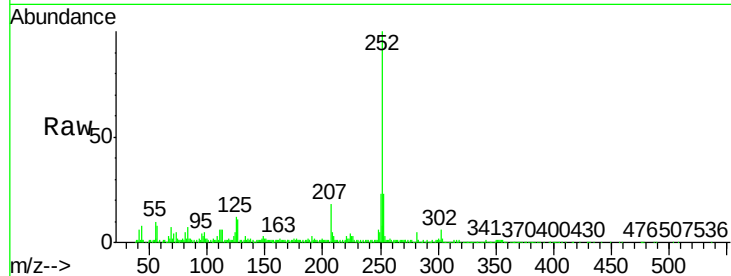
#25
Benzo(k)fluoranthene
Concen: 6.25 ng/ul m
RT: 23.08 min Scan# 3399
Delta R.T. -0.01 min
Lab File: BM009637.D
Acq: 07 Apr 2017 20:02

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
252	100	381622		
253	22.5	17.4	26.2	
125	11.6	8.8	13.2	

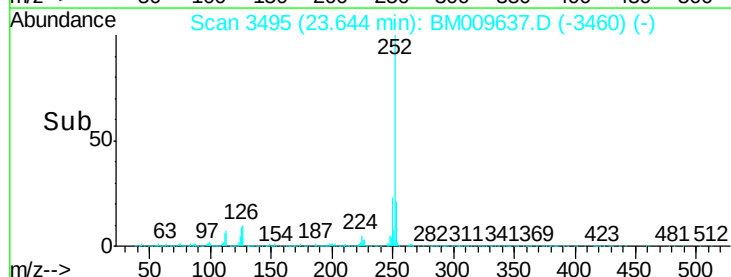
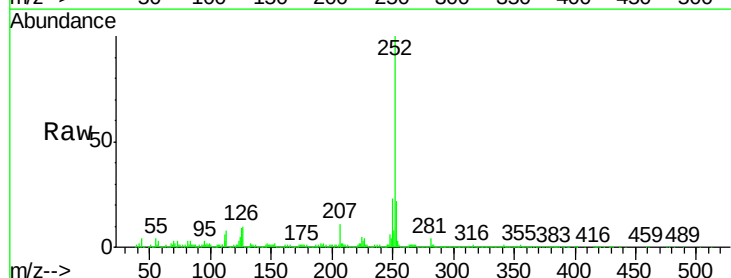
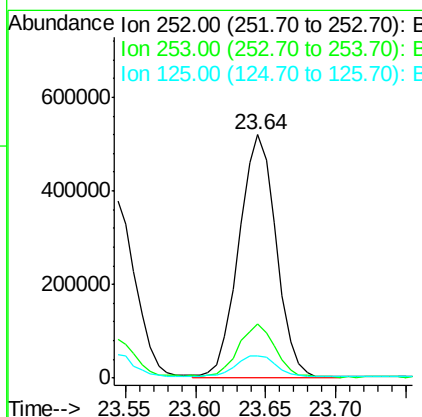
Manual Integrations
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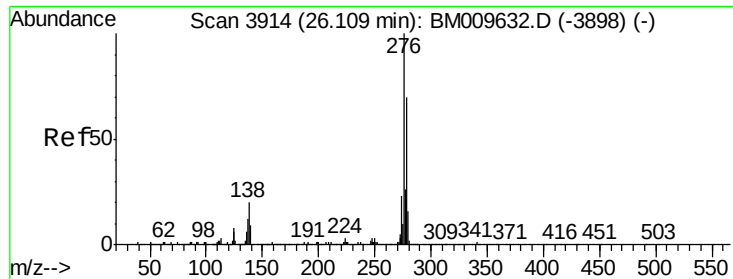
mohammad
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#27
Benzo(a)pyrene
Concen: 15.86 ng/ul m
RT: 23.64 min Scan# 3495
Delta R.T. 0.01 min
Lab File: BM009637.D
Acq: 07 Apr 2017 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	967155		
253	22.0	17.1	25.7	
125	9.3	9.4	14.2	





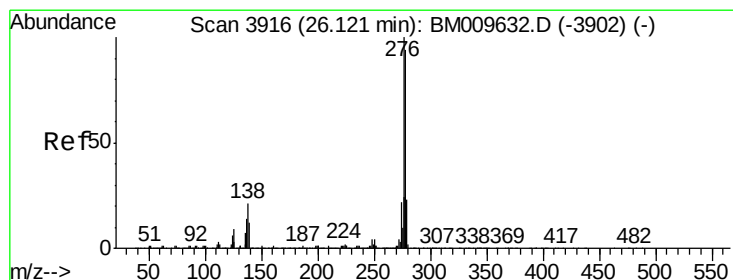
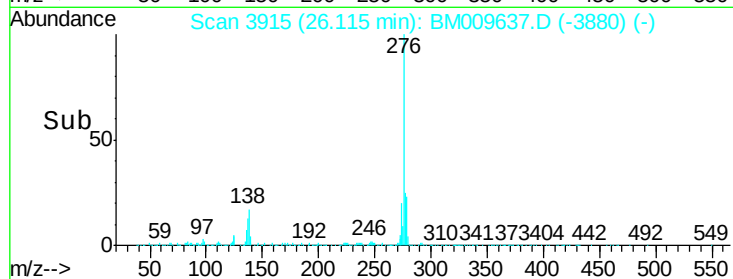
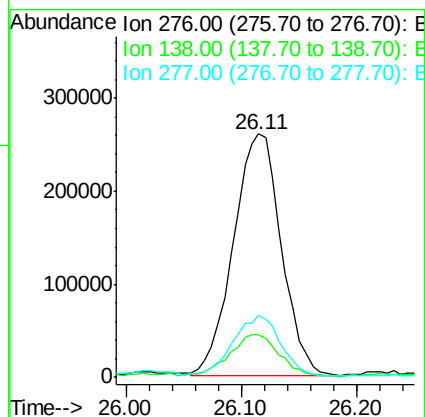
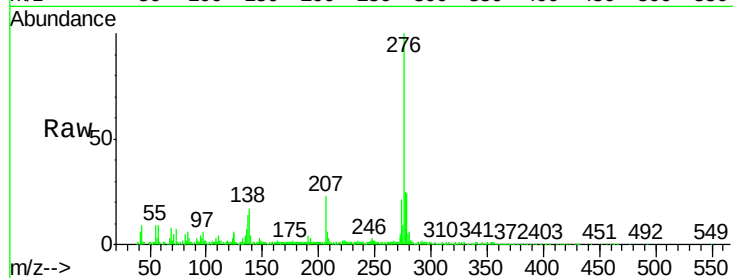
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 10.90 ng/ul
 RT: 26.11 min Scan# 3915
 Delta R.T. 0.01 min
 Lab File: BM009637.D
 Acq: 07 Apr 2017 20:02

Instrument :
 BNA_M
 ClientSampleId :
 CB353

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	17.8	26.6#
277	25.4	19.4	29.0

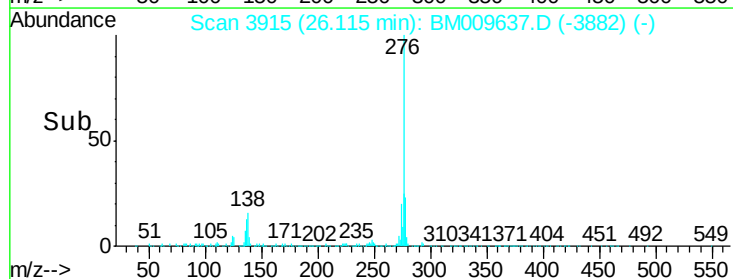
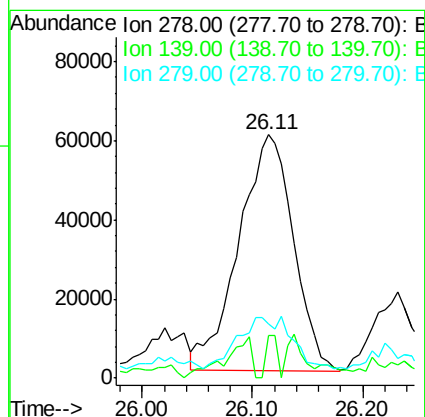
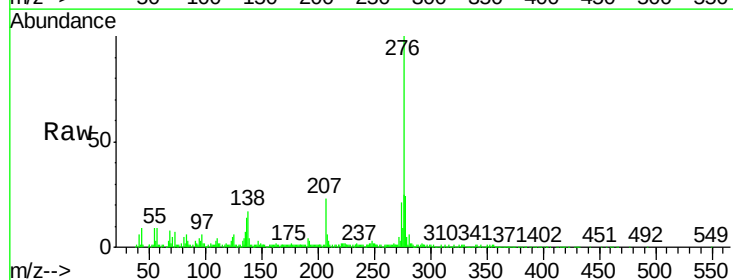
Manual Integrations
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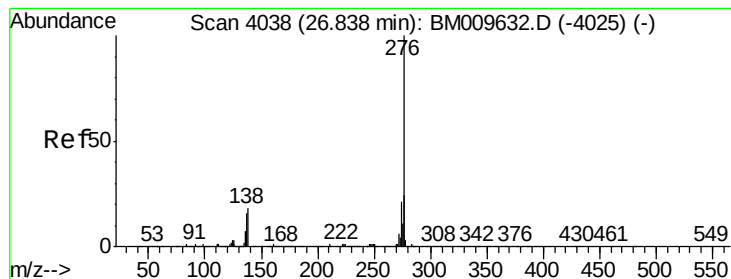
mohammad
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#29
 Dibenzo(a,h)anthracene
 Concen: 3.57 ng/ul
 RT: 26.11 min Scan# 3915
 Delta R.T. -0.01 min
 Lab File: BM009637.D
 Acq: 07 Apr 2017 20:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	14.0	21.0
279	22.4	20.6	31.0





#30

Benzo(g,h,i)perylene

Concen: 14.38 ng/ul

RT: 26.84 min Scan# 4039

Delta R.T. 0.01 min

Lab File: BM009637.D

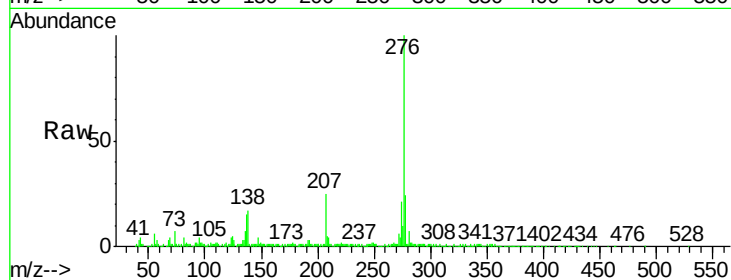
Acq: 07 Apr 2017 20:02

Instrument :

BNA_M

ClientSampleId :

CB353



Tgt Ion: 276 Resp: 810341

Ion Ratio Lower Upper

276 100

138 17.4 19.0 28.4#

277 24.1 19.7 29.5

Manual Integrations
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