

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031618\
 Data File : BM014628.D
 Acq On : 17 Mar 2018 04:46
 Operator : SJ/JU
 Sample : J1918-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL63

Manual Integrations
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 3/19/2018 2:25:59 PM

Quant Time: Mar 19 01:17:10 2018
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 17 03:22:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	97069	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	365666	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	174879	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.89	188	299679	20.00	ng/ul	0.00
18) Chrysene-d12	21.12	240	310663	20.00	ng/ul	0.00
23) Perylene-d12	23.28	264	305913	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	96969	17.16	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	351552	18.81	ng/ul	0.00
10) Fluorene-d10	15.13	176	215747	17.62	ng/ul	0.00
15) Anthracene-d10	16.99	188	285987	19.93	ng/ul	0.00
19) Pyrene-d10	19.30	212	283711	15.19	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.15	264	288068	19.47	ng/ul	0.01
Target Compounds				Qvalue		
5) 2-Methylnaphthalene	11.90	142	22114m	1.702	ng/ul	
8) Acenaphthylene	13.85	152	91250	5.260	ng/ul	98
9) Acenaphthene	14.19	153	21483	1.810	ng/ul	89
11) Fluorene	15.19	166	42225	3.001	ng/ul	86
14) Phenanthrene	16.93	178	408235	24.324	ng/ul	99
16) Anthracene	17.03	178	114632	6.833	ng/ul	99
17) Fluoranthene	18.97	202	524691	27.542	ng/ul	98
20) Pyrene	19.34	202	654038	27.993	ng/ul	97
21) Benzo(a)anthracene	21.10	228	374351	19.055	ng/ul	95
22) Chrysene	21.16	228	352301m	19.503	ng/ul	
24) Benzo(b)fluoranthene	22.64	252	353215	18.365	ng/ul#	96
25) Benzo(k)fluoranthene	22.68	252	121441	6.646	ng/ul#	95
27) Benzo(a)pyrene	23.19	252	291449	15.965	ng/ul#	98
28) Indeno(1,2,3-cd)pyrene	25.44	276	177762	8.460	ng/ul#	96
29) Dibenzo(a,h)anthracene	25.42	278	56915	3.236	ng/ul#	83
30) Benzo(g,h,i)perylene	26.10	276	167975	10.036	ng/ul#	88

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

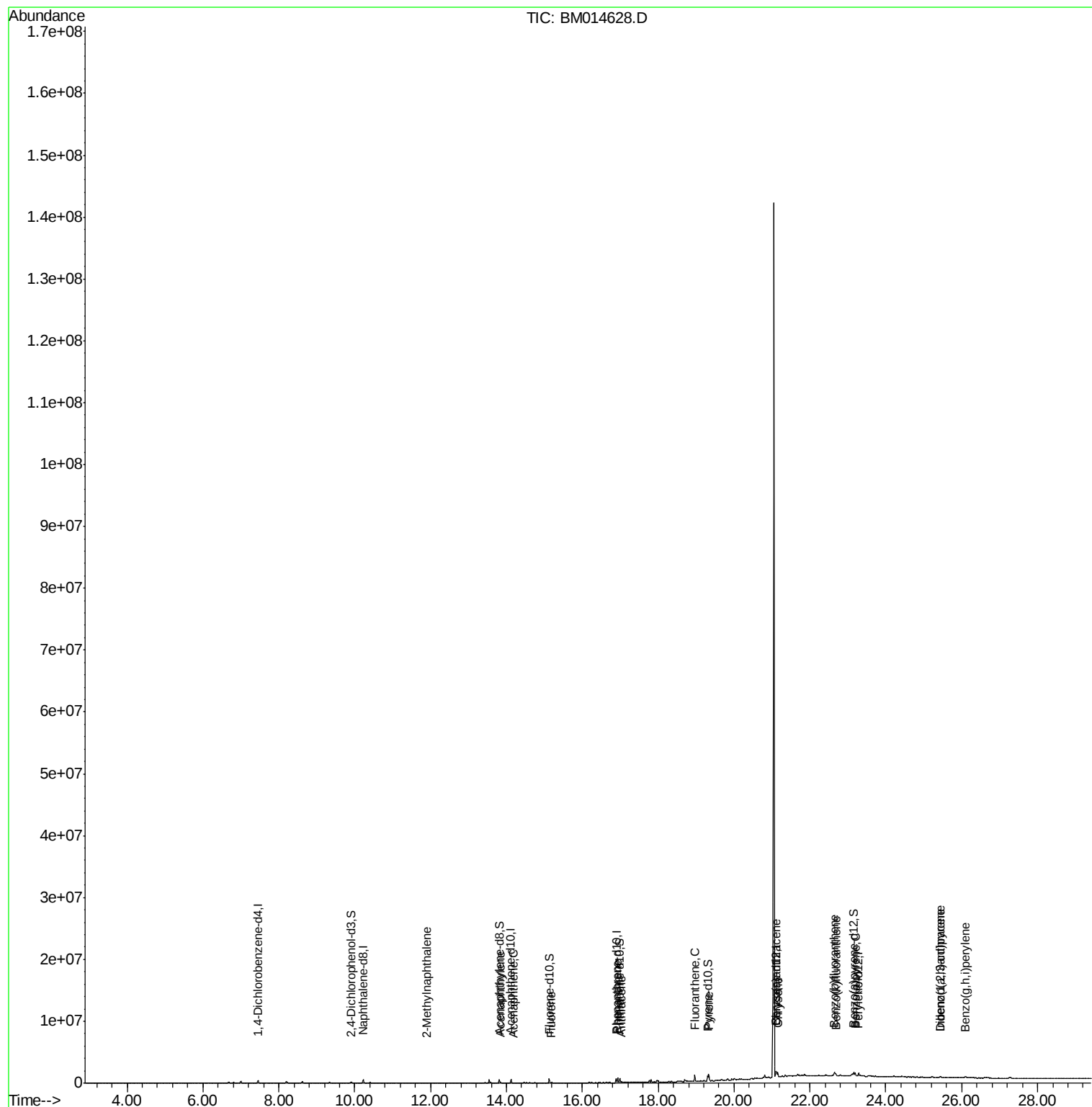
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031618\
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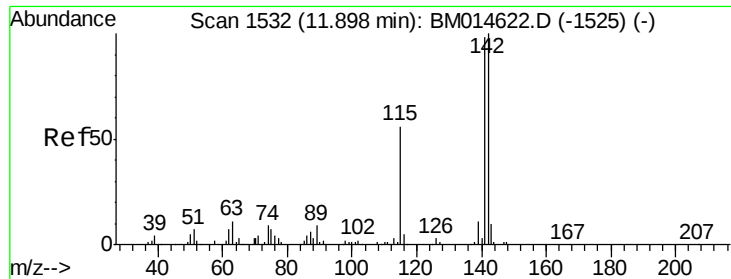
Instrument :
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 17 03:22:03 2018
Response via : Initial Calibration





#5

2-Methylnaphthalene

Concen: 1.702 ng/ul m

RT: 11.90 min Scan# 1533

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampleId :

BEL63

Tgt Ion:142 Resp: 22114

Ion Ratio Lower Upper

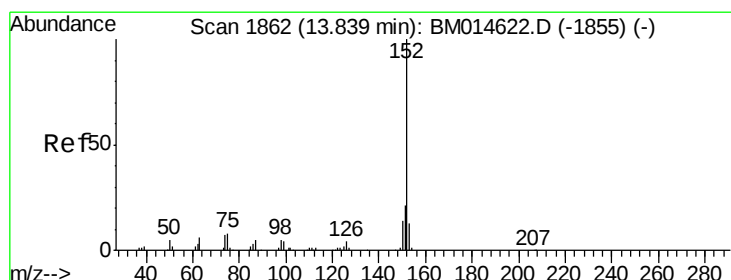
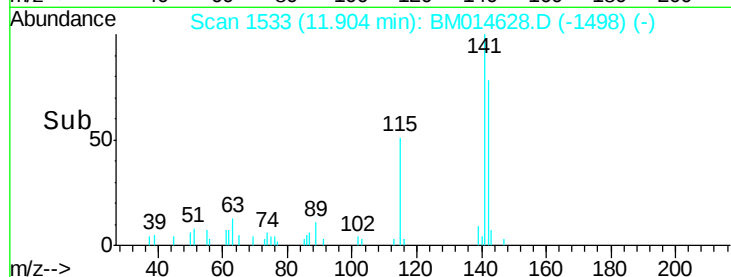
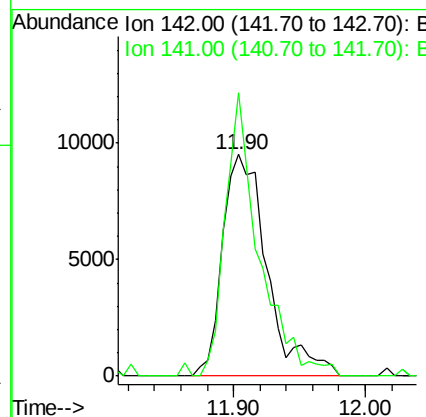
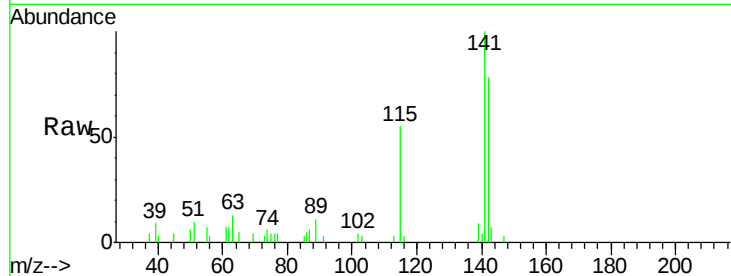
142 100

141 127.9 74.1 111.1#

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#8

Acenaphthylene

Concen: 5.260 ng/ul

RT: 13.85 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

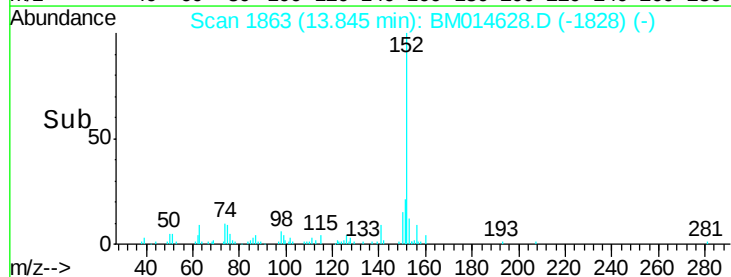
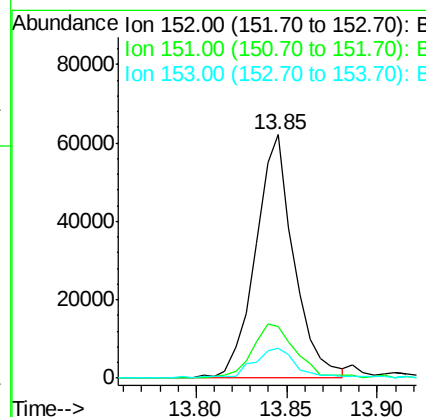
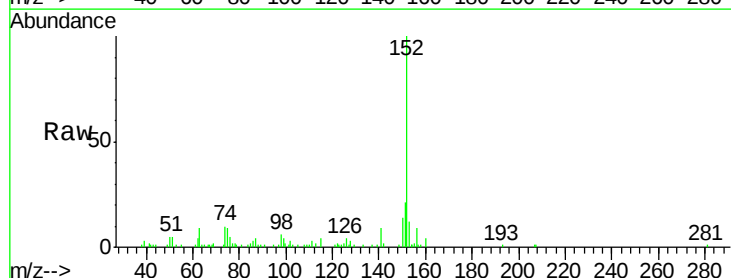
Tgt Ion:152 Resp: 91250

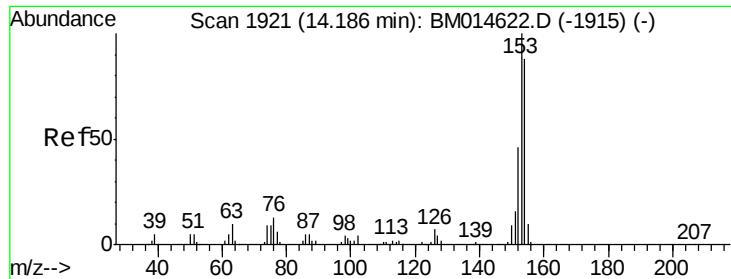
Ion Ratio Lower Upper

152 100

151 21.3 16.3 24.5

153 12.4 10.2 15.4





#9

Acenaphthene

Concen: 1.810 ng/ul

RT: 14.19 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

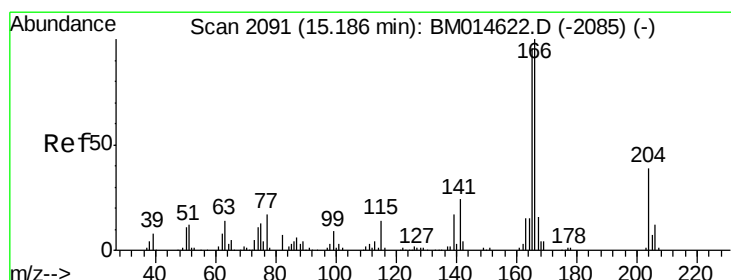
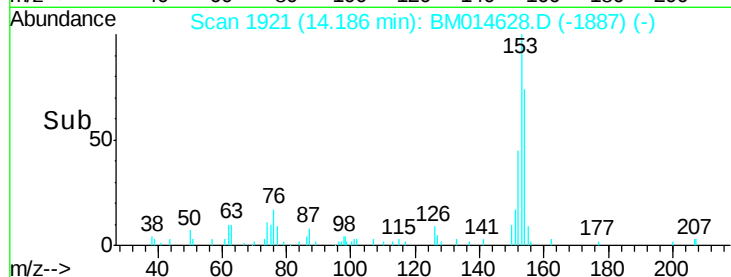
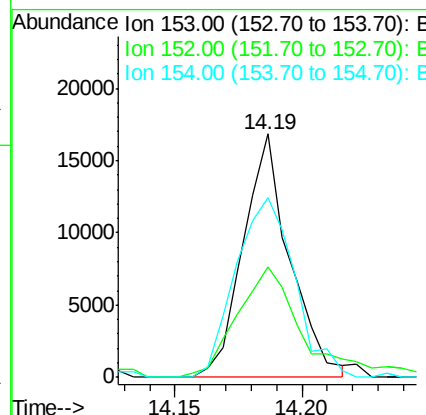
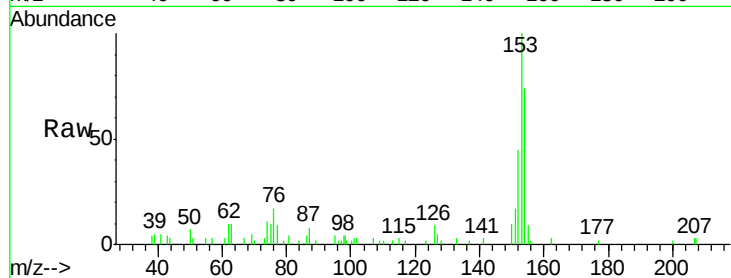
ClientSampleId :

BEL63

Tgt Ion	Ratio	Lower	Upper
153	100		
152	45.3	37.6	56.4
154	73.7	70.4	105.6

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#11

Fluorene

Concen: 3.001 ng/ul

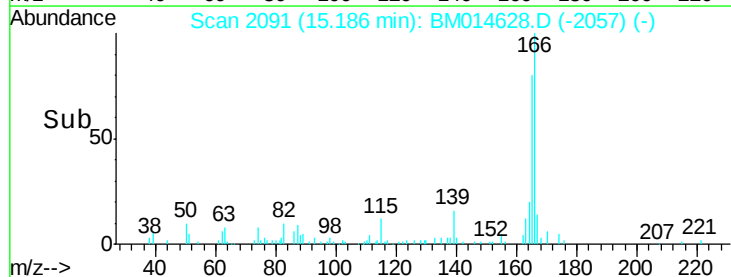
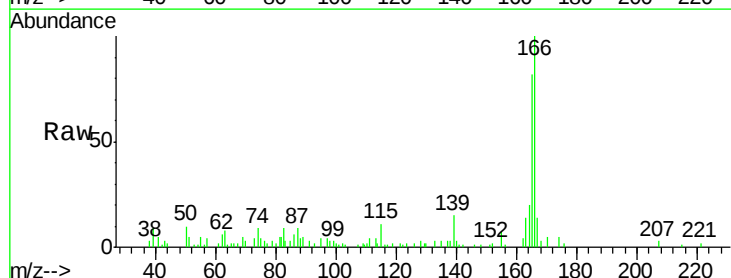
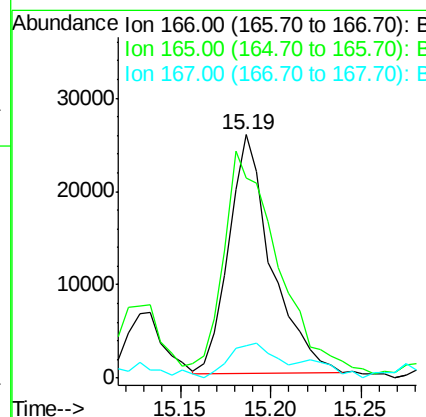
RT: 15.19 min Scan# 2091

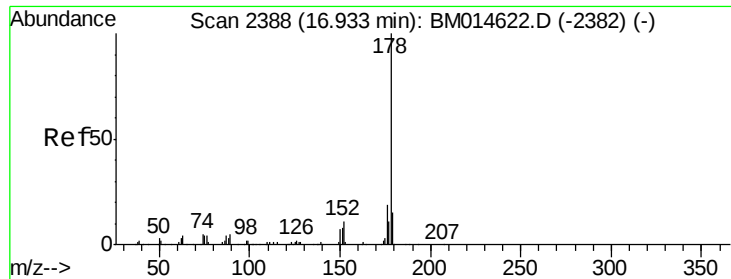
Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	82.1	77.9	116.9
167	13.6	10.6	16.0





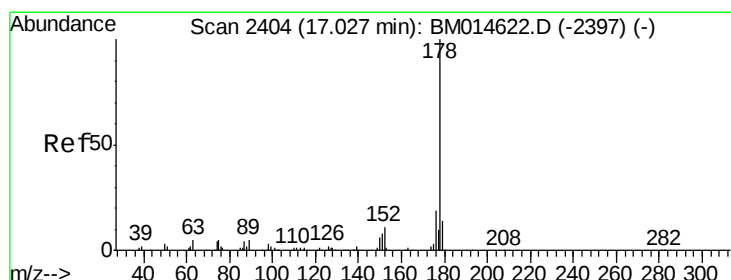
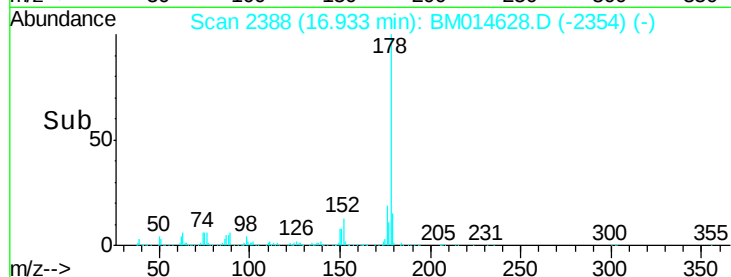
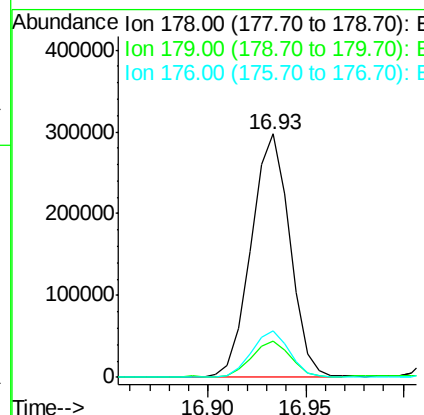
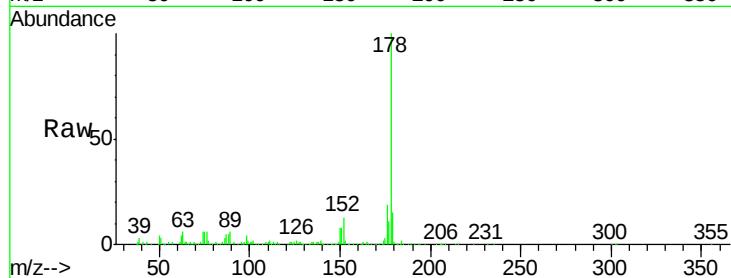
#14
Phenanthrene
Concen: 24.324 ng/ul
RT: 16.93 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BM014628.D
Acq: 17 Mar 2018 04:46

Instrument :
BNA_M
ClientSampleId :
BEL63

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.6	19.0
176	18.9	14.9	22.3

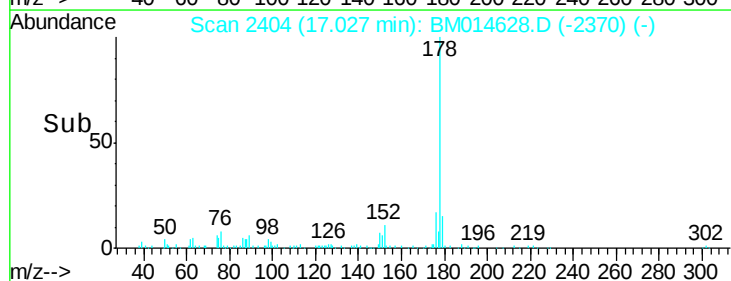
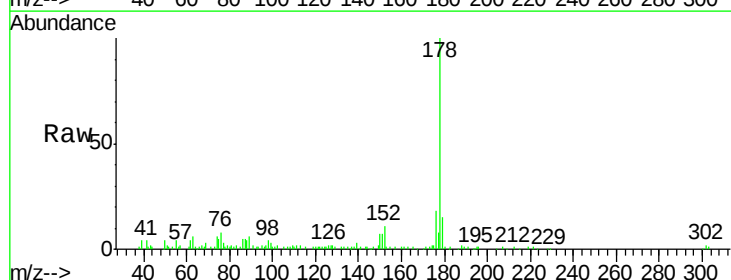
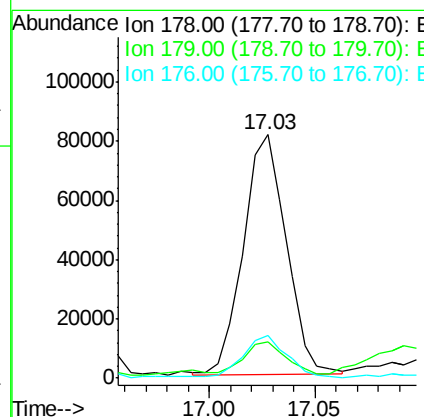
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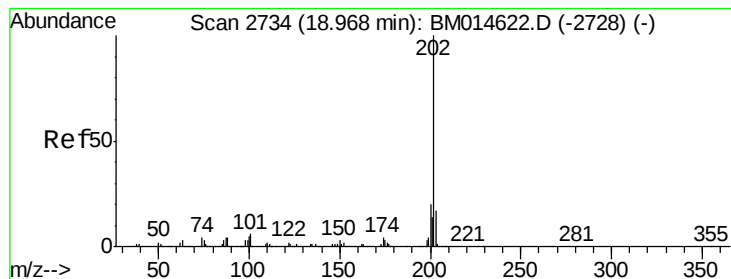
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#16
Anthracene
Concen: 6.833 ng/ul
RT: 17.03 min Scan# 2404
Delta R.T. 0.00 min
Lab File: BM014628.D
Acq: 17 Mar 2018 04:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	11.7	17.5
176	17.6	14.6	21.8





#17

Fluoranthene

Concen: 27.542 ng/ul

RT: 18.97 min Scan# 2734

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

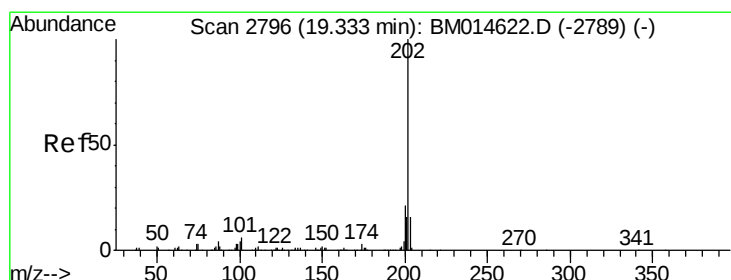
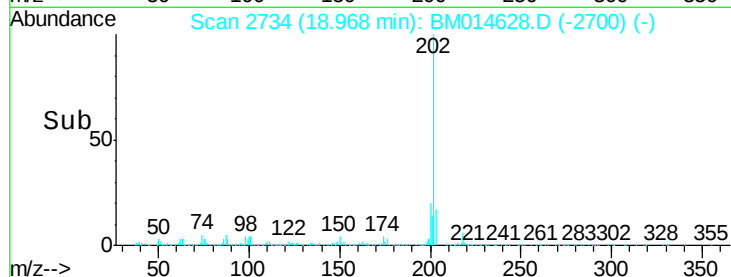
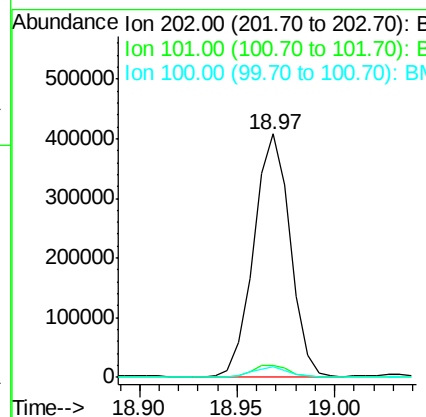
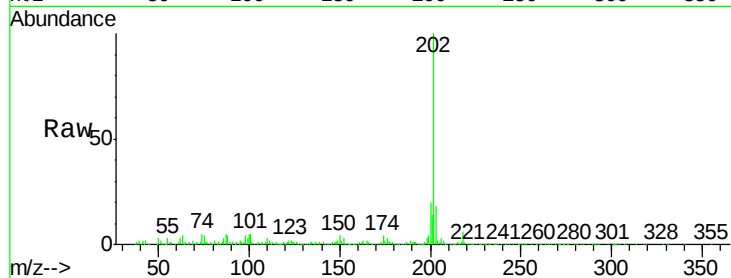
ClientSampleId :

BEL63

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	524691		
101	4.9	4.6	7.0	
100	4.6	3.4	5.2	

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#20

Pyrene

Concen: 27.993 ng/ul

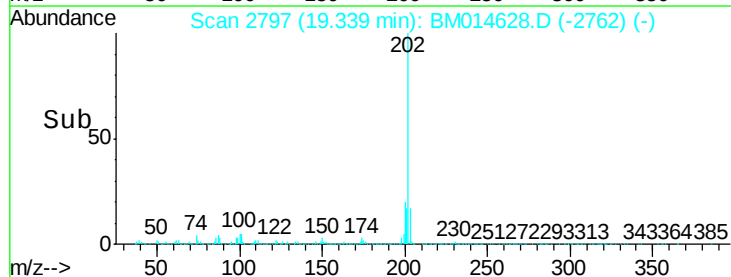
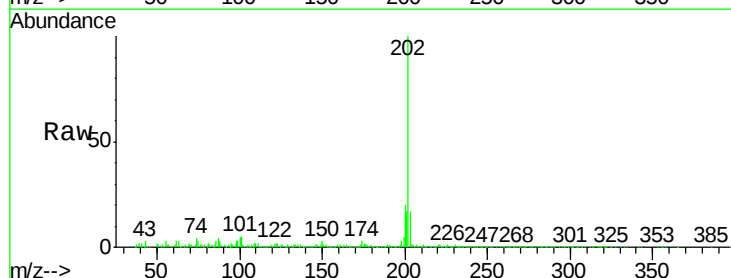
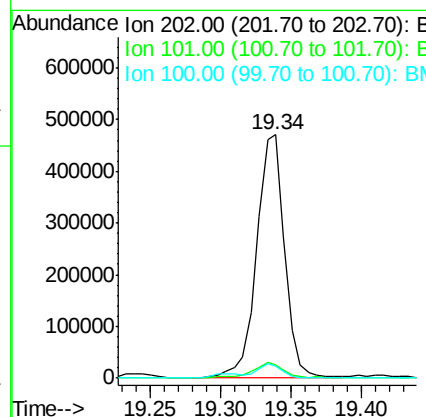
RT: 19.34 min Scan# 2797

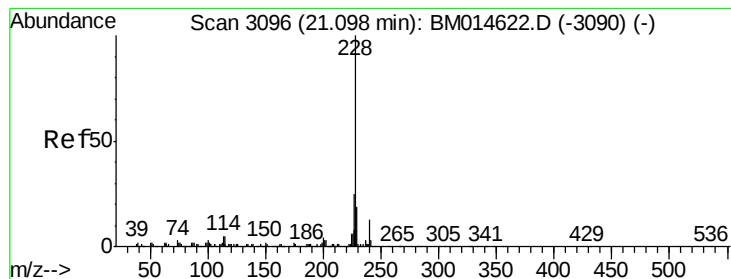
Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	654038		
101	5.4	5.1	7.7	
100	5.0	4.9	7.3	





#21

Benzo(a)anthracene

Concen: 19.055 ng/u1

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

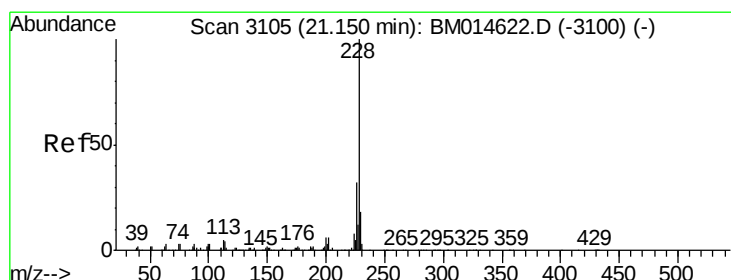
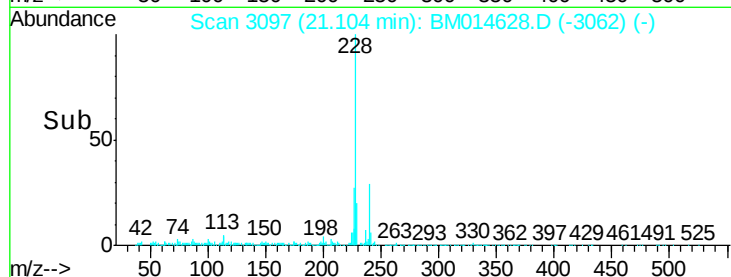
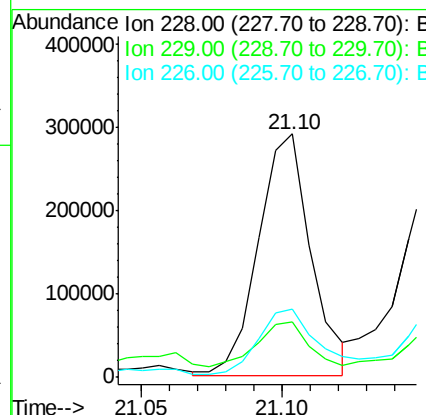
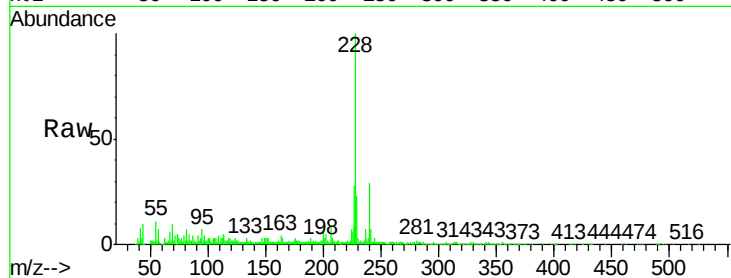
ClientSampleId :

BEL63

Tgt	Ion:228	Resp:	374351
Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.4	23.0
226	28.2	21.4	32.0

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#22

Chrysene

Concen: 19.503 ng/u1 m

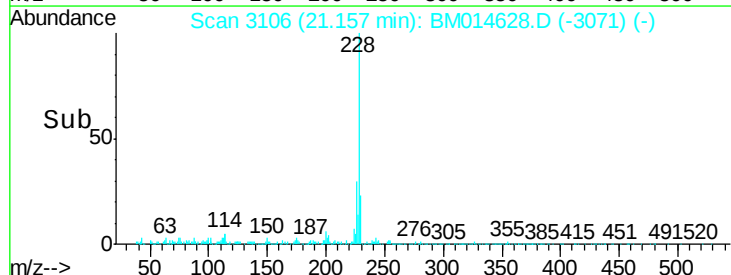
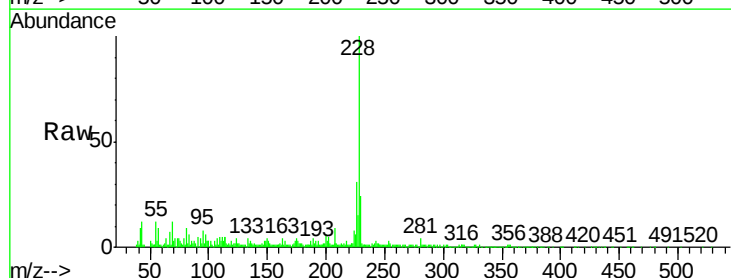
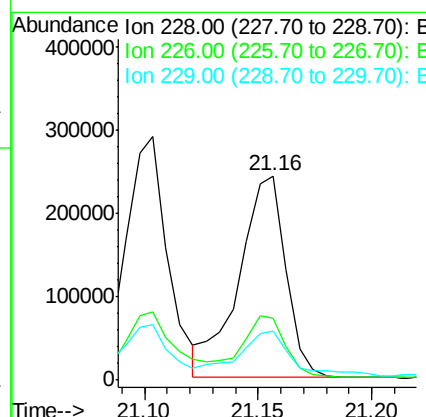
RT: 21.16 min Scan# 3106

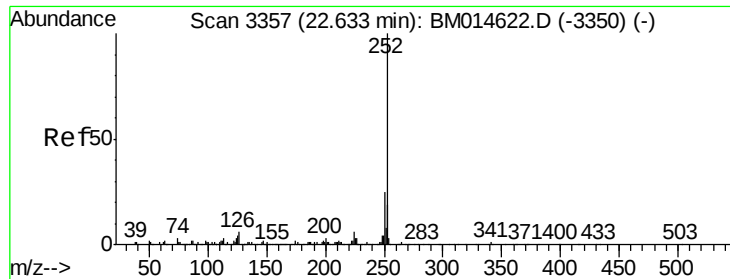
Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt	Ion:228	Resp:	352301
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.4	35.2
229	24.0	15.5	23.3#





#24

Benzo(b)fluoranthene

Concen: 18.365 ng/ul

RT: 22.64 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

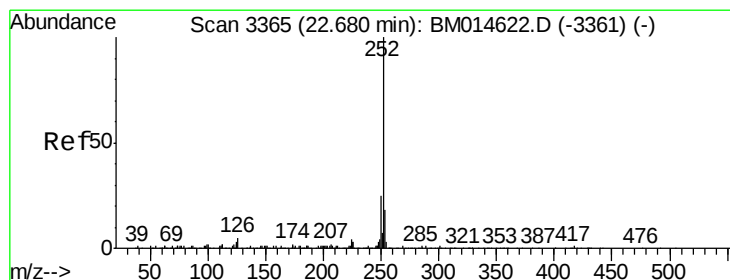
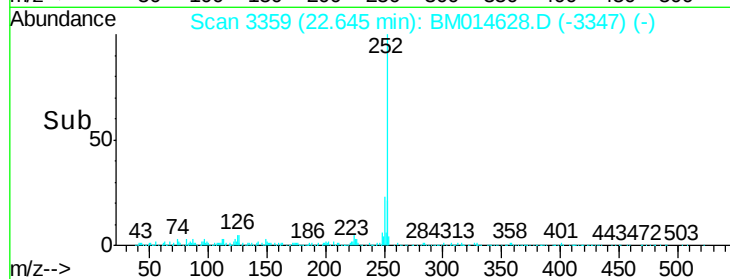
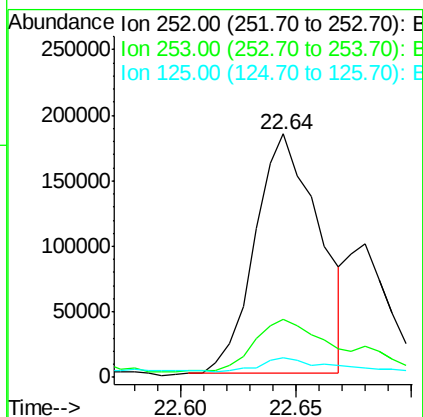
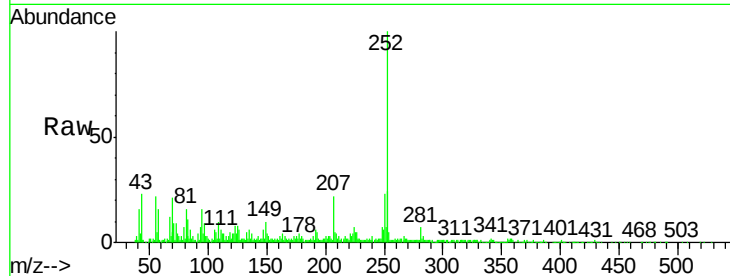
ClientSampleId :

BEL63

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.7	17.9	26.9	
125	7.9	3.6	5.4	

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#25

Benzo(k)fluoranthene

Concen: 6.646 ng/ul

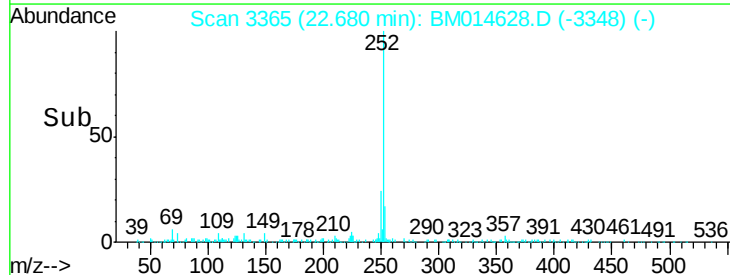
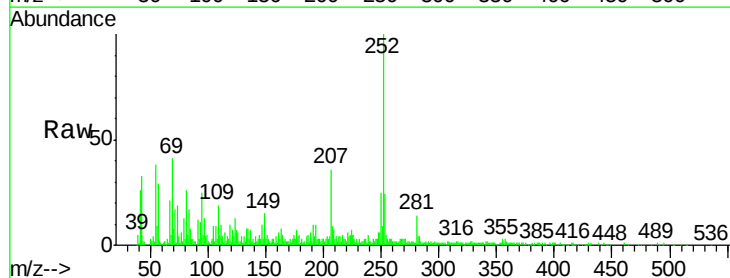
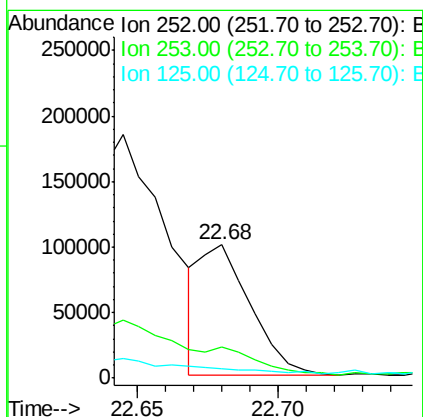
RT: 22.68 min Scan# 3365

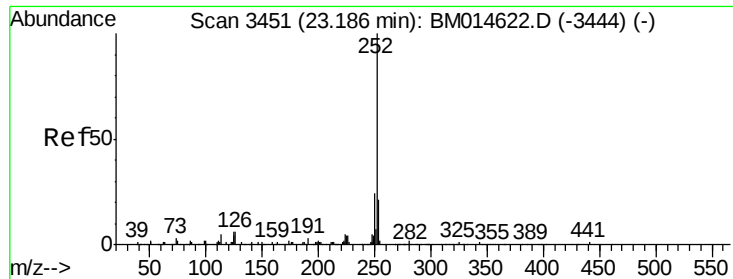
Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt	Ion	Ratio	Lower	Upper
252	100			
253	23.5	17.1	25.7	
125	7.2	3.4	5.2	





#27

Benzo(a)pyrene

Concen: 15.965 ng/ul

RT: 23.19 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

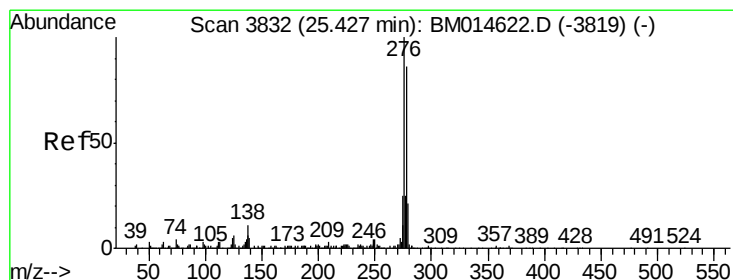
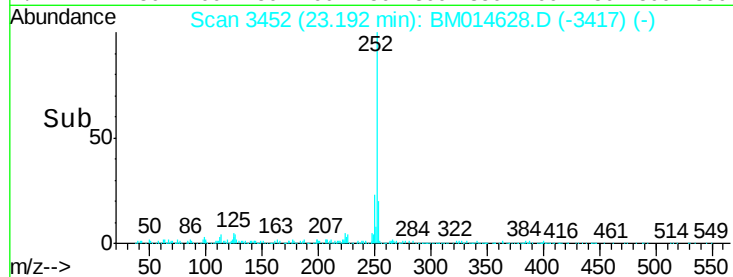
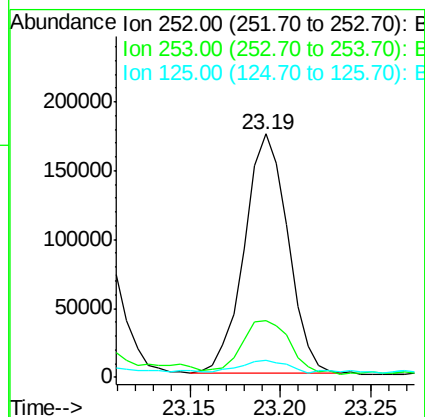
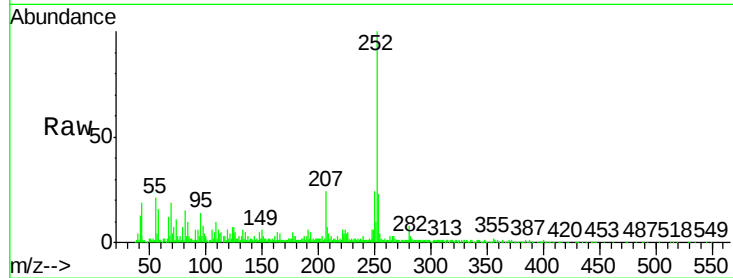
ClientSampleId :

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Tgt Ion:	252	Resp:	291449
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	6.8	4.0	6.0#

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#28

Indeno(1,2,3-cd)pyrene

Concen: 8.460 ng/ul

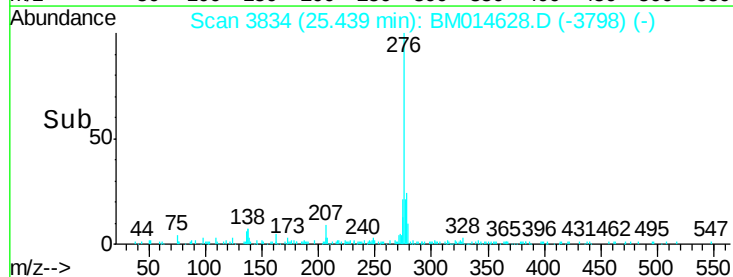
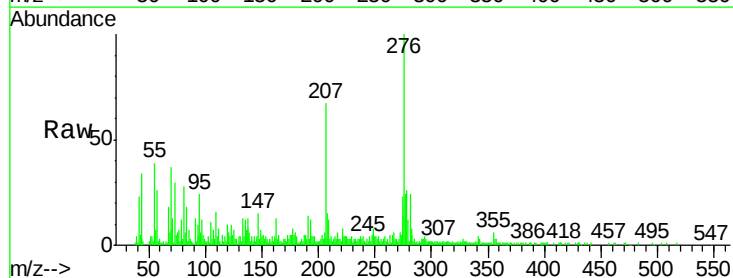
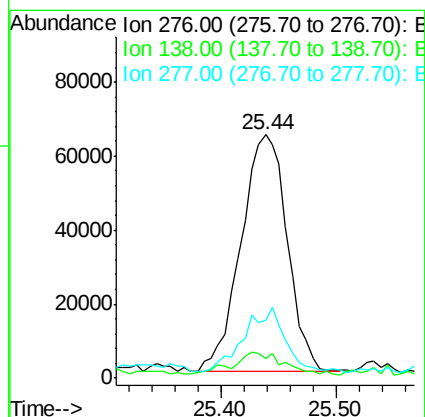
RT: 25.44 min Scan# 3834

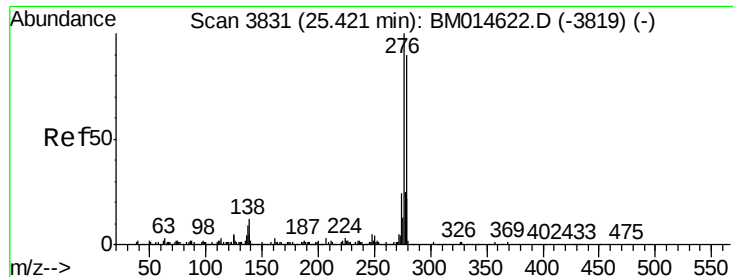
Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt Ion:	276	Resp:	177762
Ion Ratio	Lower	Upper	
276	100		
138	8.2	9.3	13.9#
277	23.9	19.9	29.9





#29

Dibenzo(a,h)anthracene

Concen: 3.236 ng/ul

RT: 25.42 min Scan# 3831

Delta R.T. 0.00 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Instrument :

BNA_M

ClientSampled :

BEL63

Tgt Ion:278 Resp: 56915
Ion Ratio Lower Upper

278 100

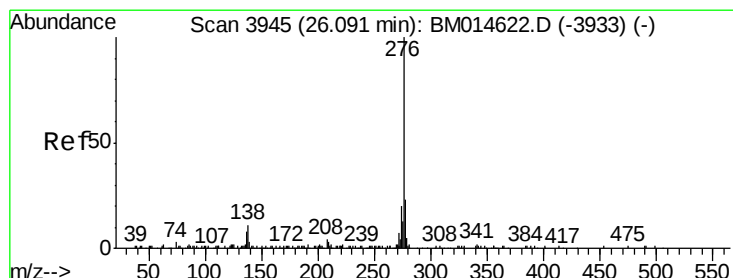
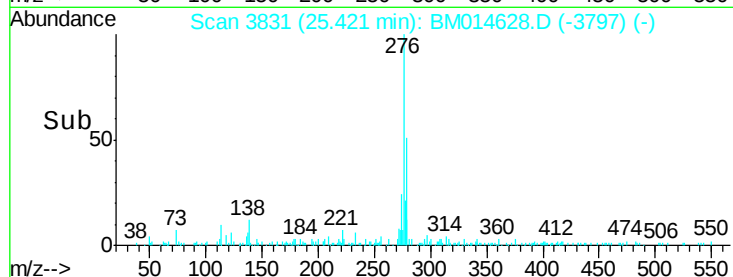
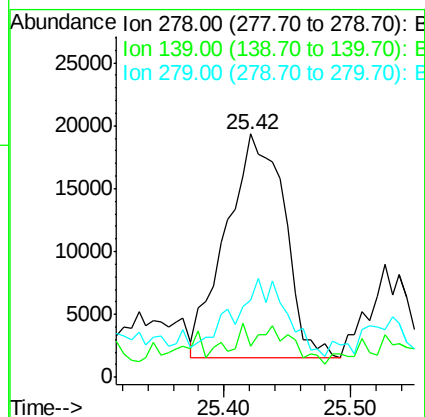
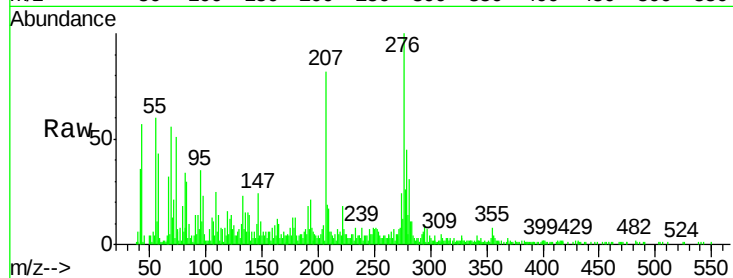
139 13.0 5.8 8.8#

279 31.9 18.6 27.8#

Manual Integrations
APPROVED

Sohil

3/19/2018 2:25:59 PM



#30

Benzo(g,h,i)perylene

Concen: 10.036 ng/ul

RT: 26.10 min Scan# 3946

Delta R.T. 0.01 min

Lab File: BM014628.D

Acq: 17 Mar 2018 04:46

Tgt Ion:276 Resp: 167975
Ion Ratio Lower Upper

276 100

138 10.5 8.5 12.7

277 31.7 18.6 28.0#

