

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031518\
 Data File : BM014595.D
 Acq On : 16 Mar 2018 02:28
 Operator : SJ/JU
 Sample : J1904-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BEL21

Manual Integrations
 APPROVED

Sohil
 3/16/2018 5:10:02 PM

Quant Time: Mar 16 16:06:26 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031518-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 15:09:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	87183	20.00	ng/ul	0.00
2) Naphthalene-d8	10.22	136	318429	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.12	164	179394	20.00	ng/ul	0.00
12) Phenanthrene-d10	16.91	188	374815	20.00	ng/ul	0.02
18) Chrysene-d12	21.19	240	1290655	20.00	ng/ul	0.07
23) Perylene-d12	23.40	264	992889	20.00	ng/ul	0.12
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	9.89	165	87308	17.74	ng/ul	0.00
7) Acenaphthylene-d8	13.81	160	329398	17.18	ng/ul	0.00
10) Fluorene-d10	15.13	176	229171	18.25	ng/ul	0.00
15) Anthracene-d10	17.00	188	355337	19.80	ng/ul	0.01
19) Pyrene-d10	19.33	212	576322	7.43	ng/ul	0.03
26) Benzo(a)pyrene-d12	23.26	264	993511	20.68	ng/ul	0.12
Target Compounds						
					Qvalue	
4) Naphthalene	10.27	128	141545	8.752	ng/ul	97
5) 2-Methylnaphthalene	11.90	142	315064	27.841	ng/ul	92
8) Acenaphthylene	13.85	152	55051	3.094	ng/ul#	50
9) Acenaphthene	14.19	153	134705	11.061	ng/ul	98
11) Fluorene	15.19	166	160344	11.111	ng/ul#	98
14) Phenanthrene	16.95	178	858542	40.901	ng/ul#	93
16) Anthracene	17.04	178	153769	7.328	ng/ul#	72
17) Fluoranthene	18.99	202	1396160	58.596	ng/ul#	87
20) Pyrene	19.36	202	2872082	29.589	ng/ul#	85
21) Benzo(a)anthracene	21.19	228	2140254m	26.223	ng/ul	
22) Chrysene	21.22	228	1219332m	16.248	ng/ul	
27) Benzo(a)pyrene	23.31	252	1101904	18.597	ng/ul#	1
28) Indeno(1,2,3-cd)pyrene	25.56	276	409531	6.005	ng/ul#	71
30) Benzo(a,h,i)perylene	26.21	276	372675	6.860	ng/ul#	71

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

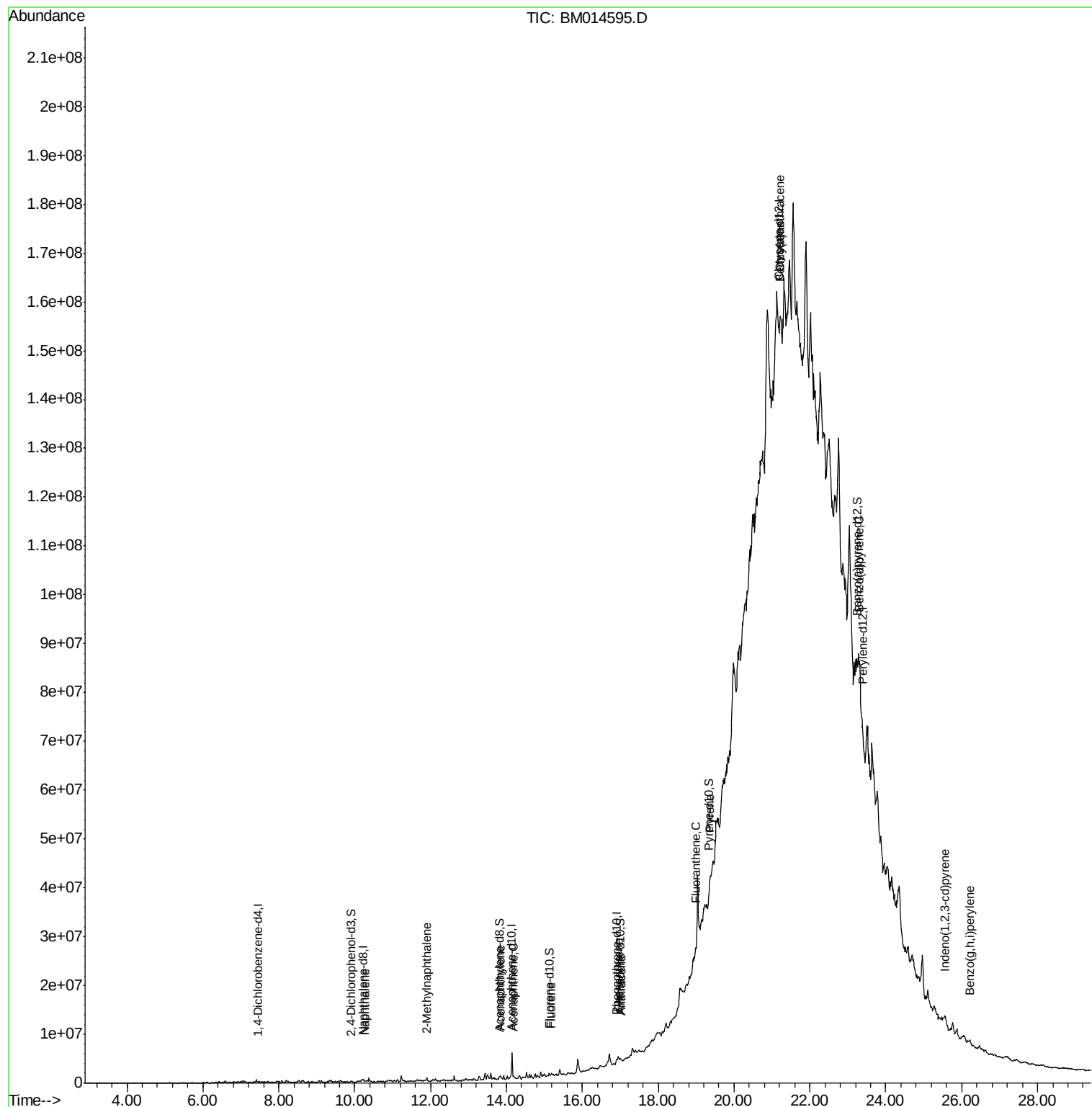
Data Path : Z:\HPCHEM1\BNA M\DATA\BM031518\
Data File : BM014595.D
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ALS Vial : 24 Sample Multiplier: 1

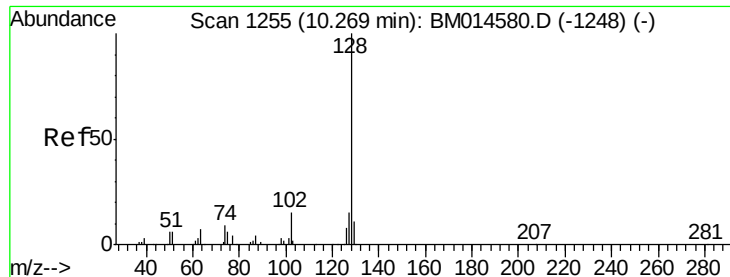
Instrument :
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#4

Naphthalene

Concen: 8.752 ng/ul

RT: 10.27 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA_M

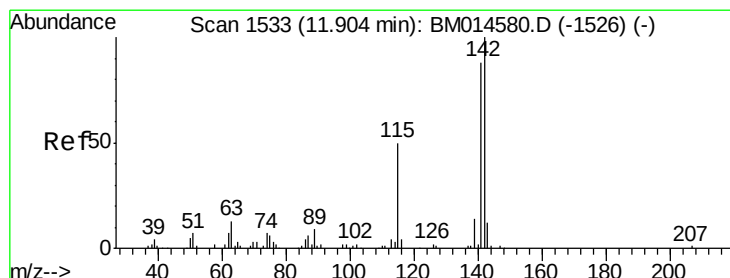
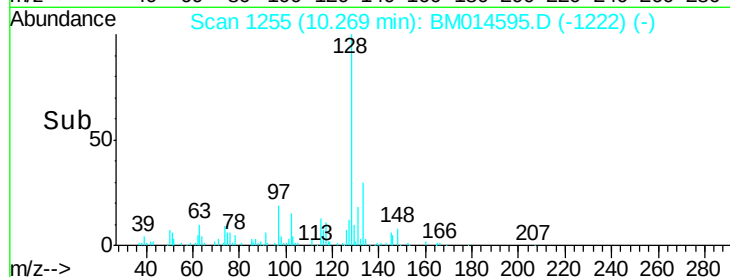
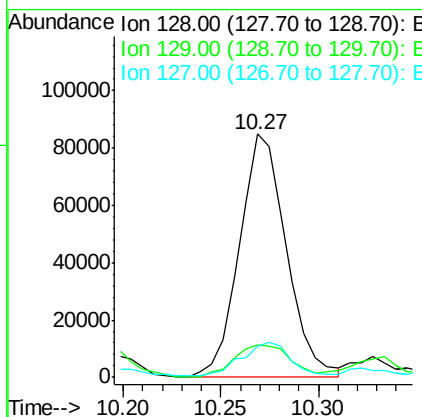
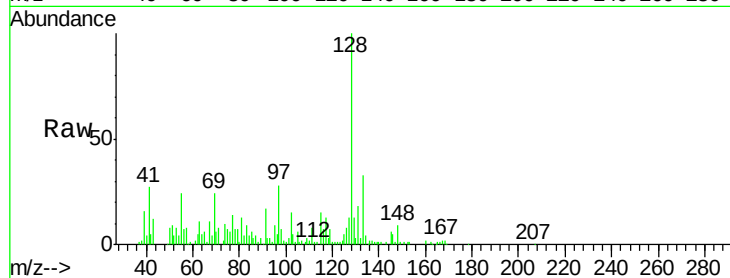
ClientSampled :

BEL21

Tot Ion:	128	Resp:	141545
Ion Ratio	Lower	Upper	
128	100		
129	13.1	8.8	13.2
127	12.7	10.6	16.0

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#5

2-Methylnaphthalene

Concen: 27.841 ng/ul

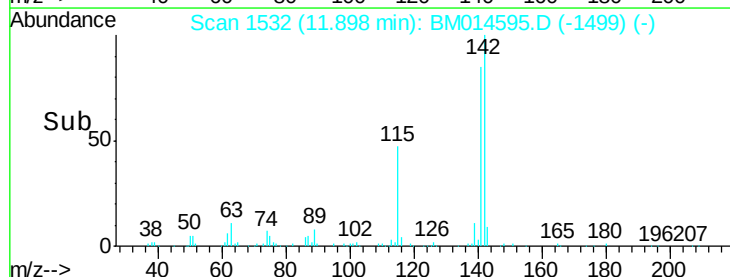
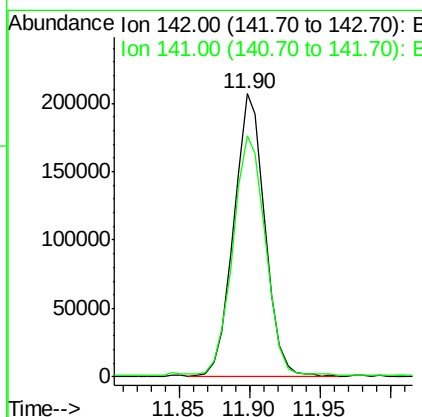
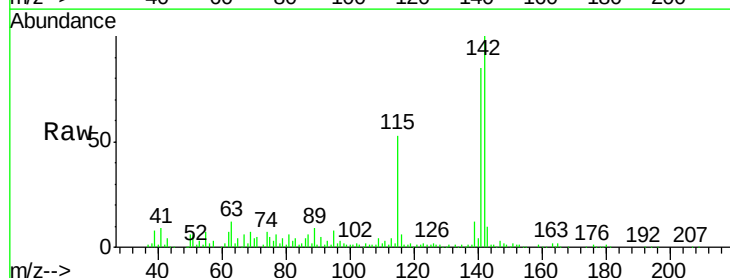
RT: 11.90 min Scan# 1532

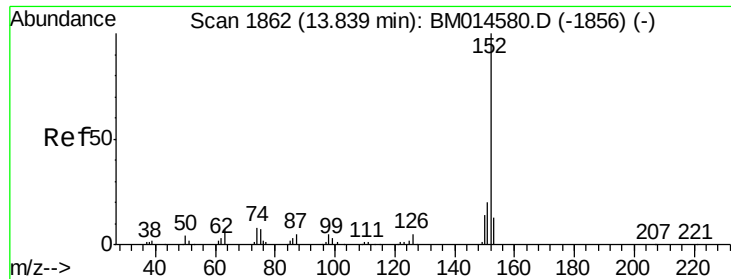
Delta R.T. -0.01 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Tgt Ion:	142	Resp:	315064
Ion Ratio	Lower	Upper	
142	100		
141	85.2	74.1	111.1





#8

Acenaphthylene

Concen: 3.094 ng/ul

RT: 13.85 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA_M

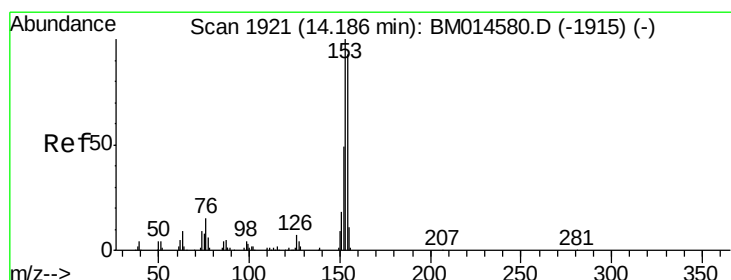
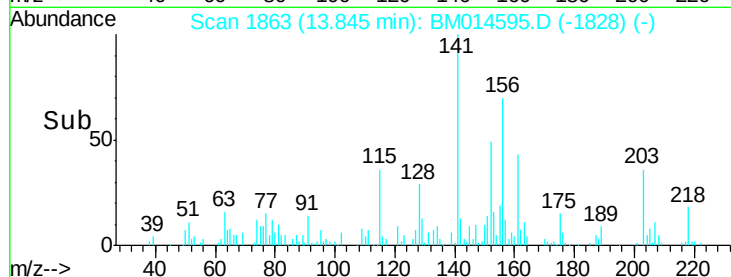
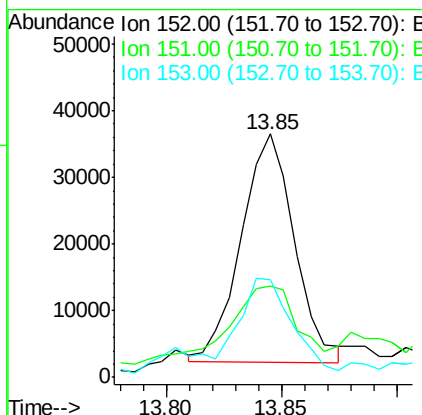
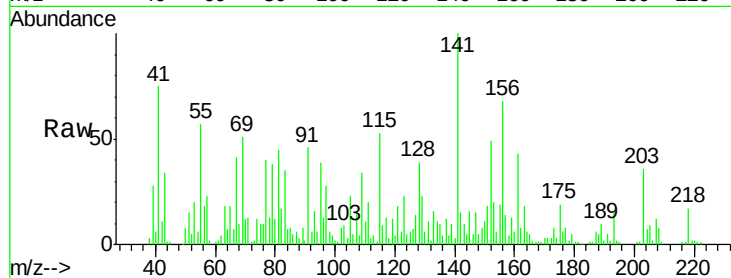
ClientSampled :

BEL21

Tot Ion:	152	Resp:	55051
Ion Ratio	Lower	Upper	
152	100		
151	37.7	16.3	24.5#
153	40.3	10.2	15.4#

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#9

Acenaphthene

Concen: 11.061 ng/ul

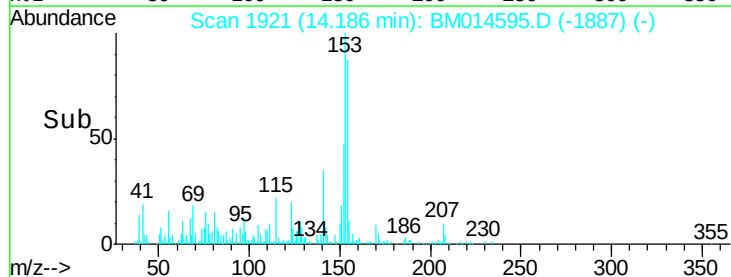
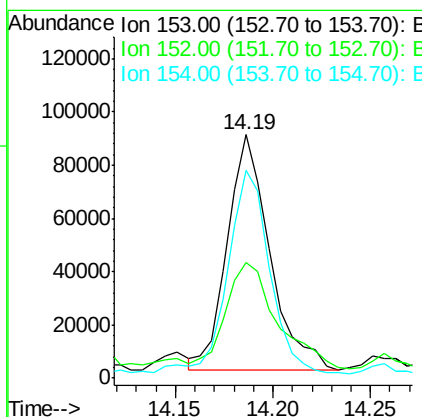
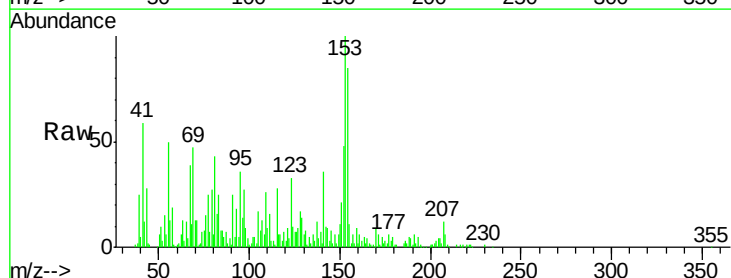
RT: 14.19 min Scan# 1921

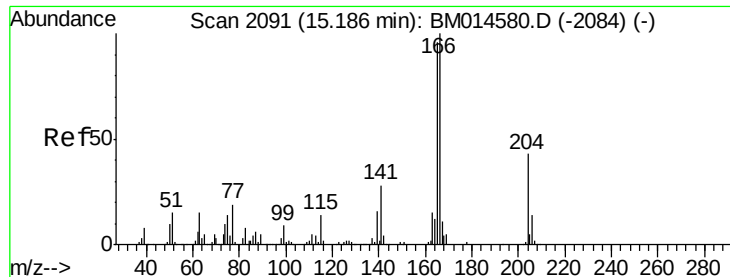
Delta R.T. 0.00 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Tgt Ion:	153	Resp:	134705
Ion Ratio	Lower	Upper	
153	100		
152	47.6	37.6	56.4
154	85.3	70.4	105.6





#11

Fluorene

Concen: 11.111 ng/ul

RT: 15.19 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA_M

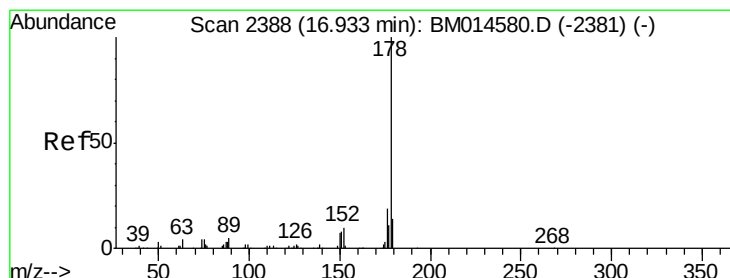
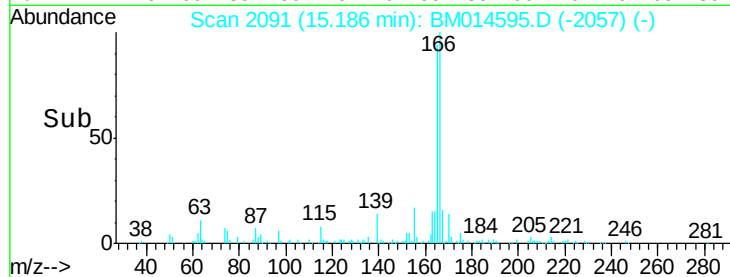
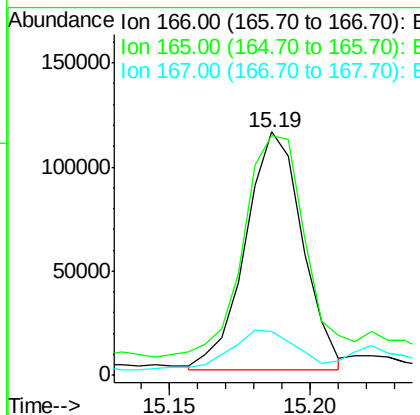
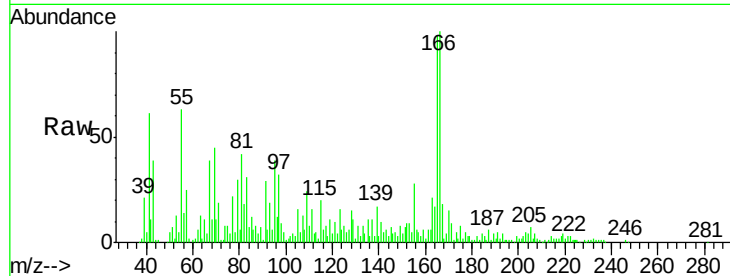
ClientSampleId :

BEL21

Tot Ion:	166	Resp:	160344
Ion Ratio	Lower	Upper	
166	100		
165	98.3	77.9	116.9
167	18.3	10.6	16.0#

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#14

Phenanthrene

Concen: 40.901 ng/ul

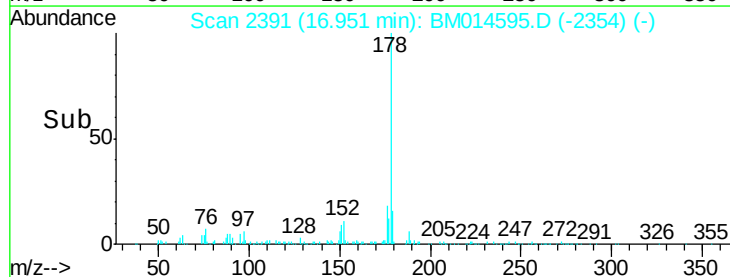
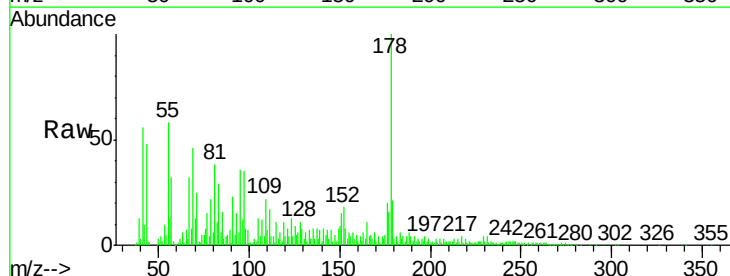
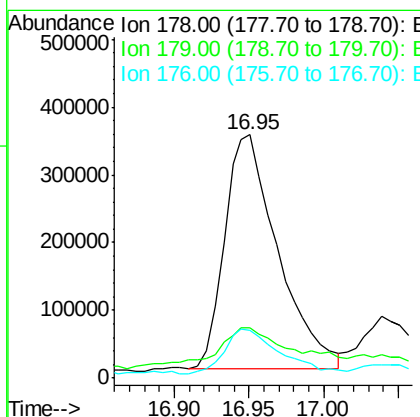
RT: 16.95 min Scan# 2391

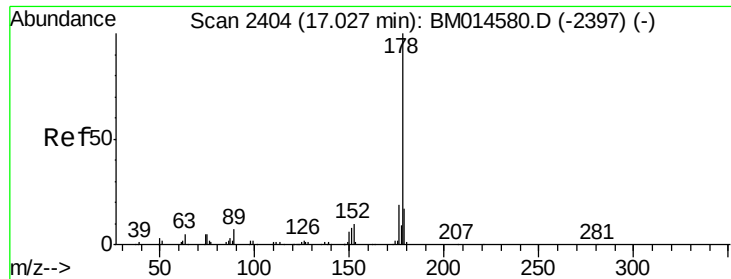
Delta R.T. 0.02 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Tgt Ion:	178	Resp:	858542
Ion Ratio	Lower	Upper	
178	100		
179	20.6	12.6	19.0#
176	19.8	14.9	22.3





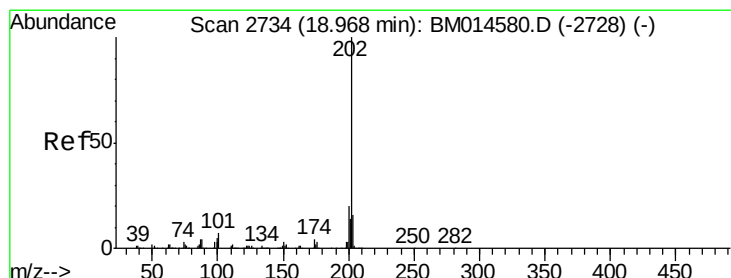
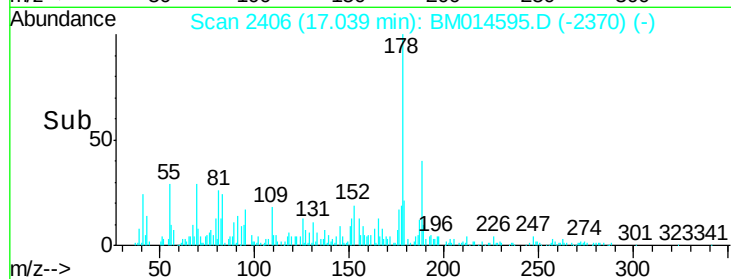
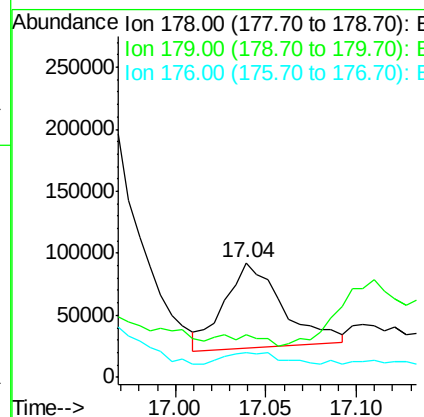
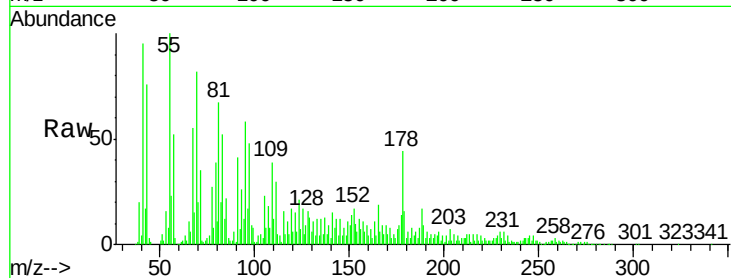
#16
 Anthracene
 Concen: 7.328 ng/ul
 RT: 17.04 min Scan# 2406
 Delta R.T. 0.01 min
 Lab File: BM014595.D
 Acq: 16 Mar 2018 02:28

Instrument :
 BNA_M
 ClientSampled :
 BEL21

Tot Ion	Ratio	Lower	Upper
178	100		
179	37.0	11.7	17.5#
176	21.1	14.6	21.8

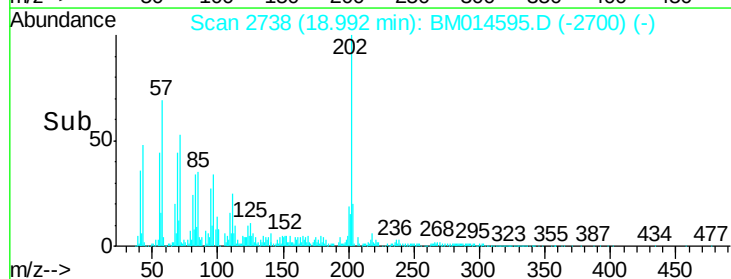
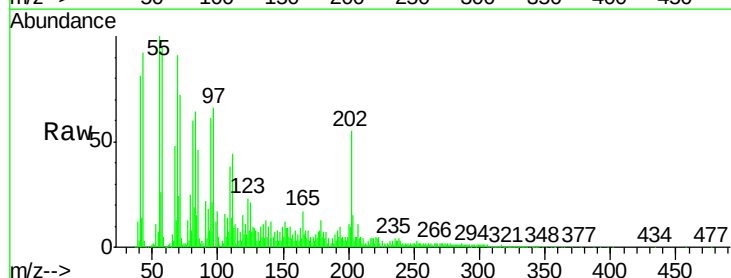
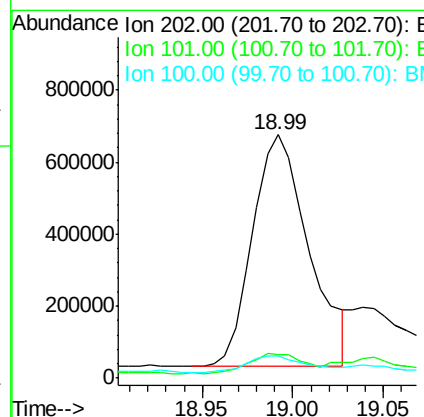
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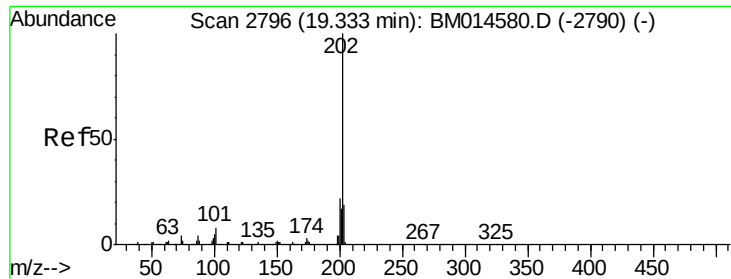
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#17
 Fluoranthene
 Concen: 58.596 ng/ul
 RT: 18.99 min Scan# 2738
 Delta R.T. 0.02 min
 Lab File: BM014595.D
 Acq: 16 Mar 2018 02:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	4.6	7.0#
100	9.0	3.4	5.2#





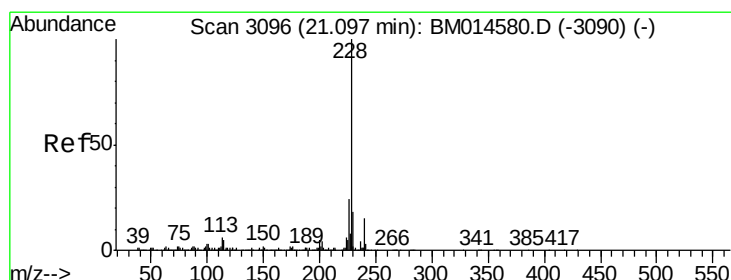
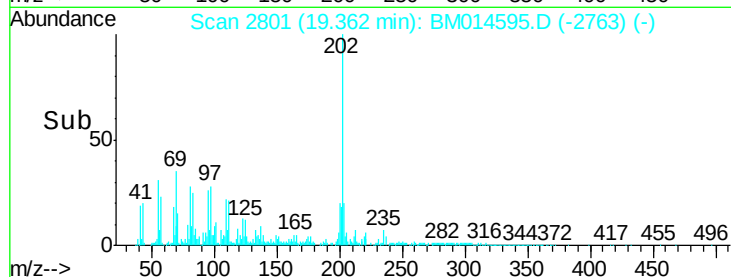
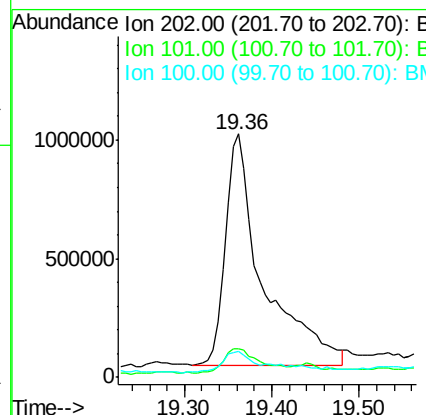
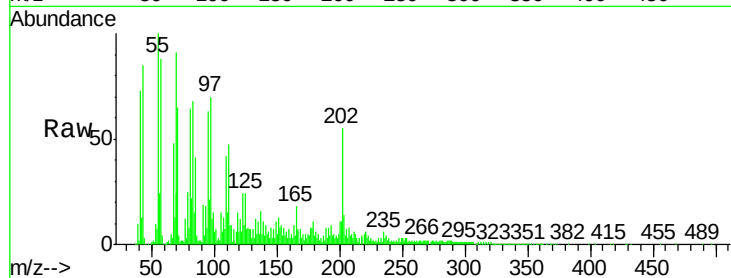
#20
Pvrene
Concen: 29.589 ng/ul
RT: 19.36 min Scan# 2801
Delta R.T. 0.02 min
Lab File: BM014595.D
Acq: 16 Mar 2018 02:28

Instrument :
BNA_M
ClientSampleId :
BEL21

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	5.1	7.7#
100	10.7	4.9	7.3#

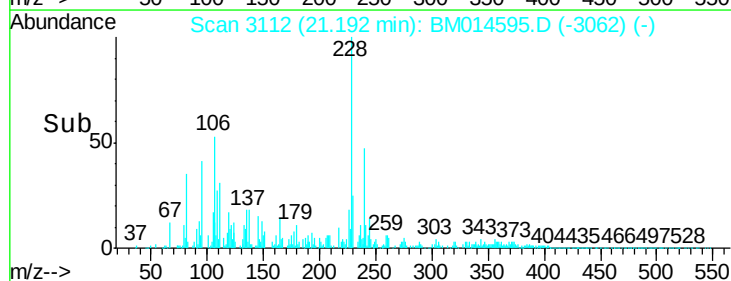
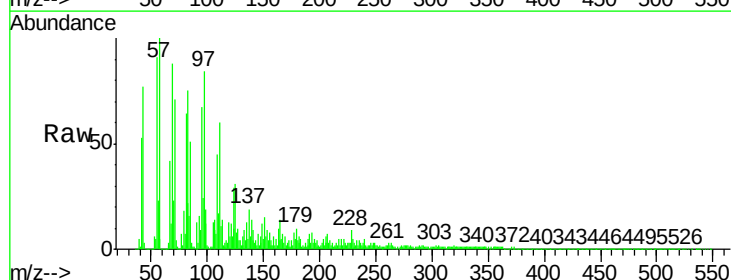
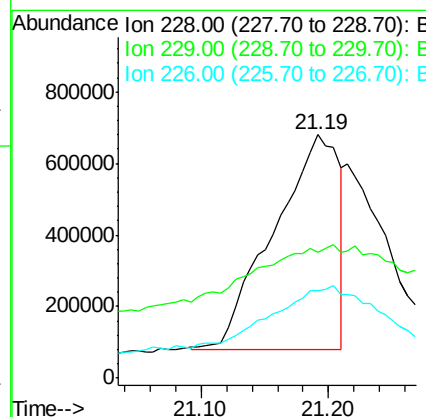
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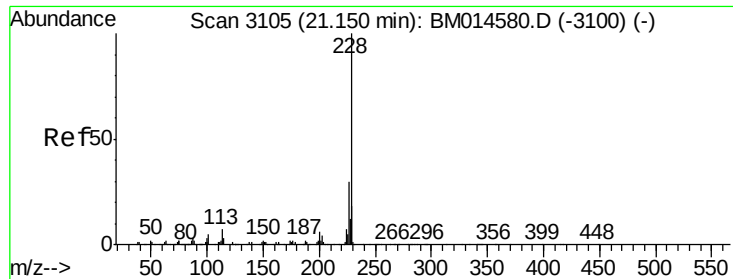
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#21
Benzo(a)anthracene
Concen: 26.223 ng/ul m
RT: 21.19 min Scan# 3112
Delta R.T. 0.09 min
Lab File: BM014595.D
Acq: 16 Mar 2018 02:28

Tgt Ion	Ratio	Lower	Upper
228	100		
229	51.6	15.4	23.0#
226	35.8	21.4	32.0#





#22

Chrysene

Concen: 16.248 ng/ul m

RT: 21.22 min Scan# 3116

Delta R.T. 0.06 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Instrument :

BNA_M

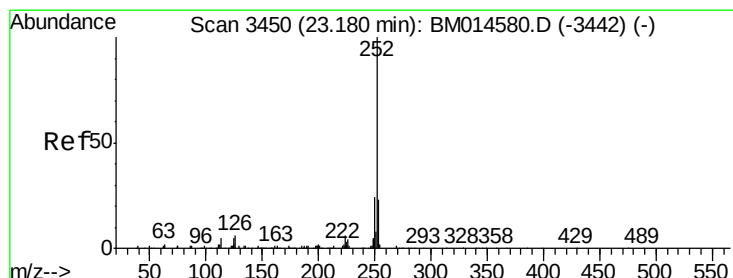
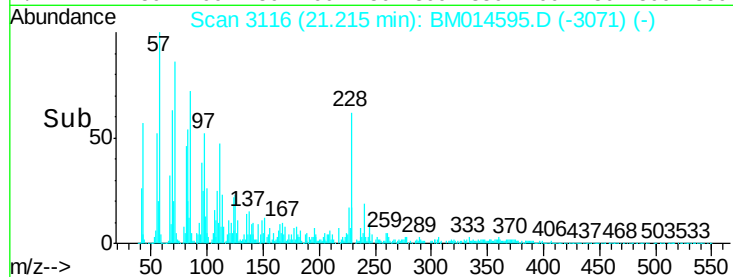
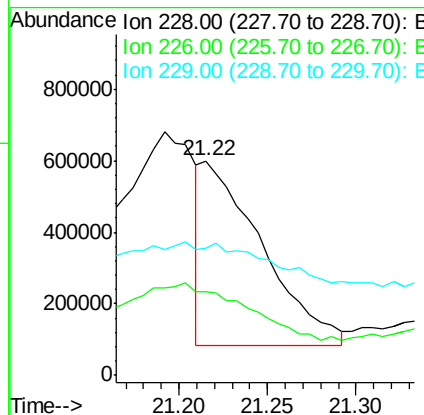
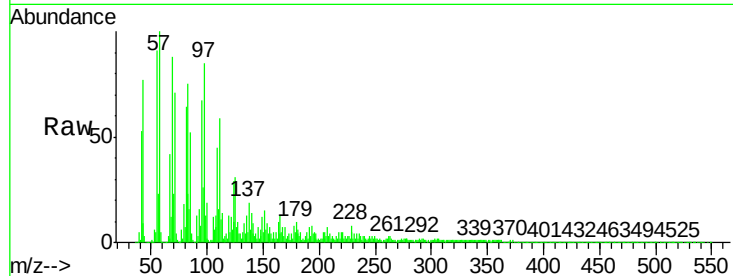
ClientSampled :

BEL21

Tot Ion:	228	Resp:	1219332
Ion Ratio	Lower	Upper	
228	100		
226	39.2	23.4	35.2#
229	59.6	15.5	23.3#

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#27

Benzo(a)pyrene

Concen: 18.597 ng/ul

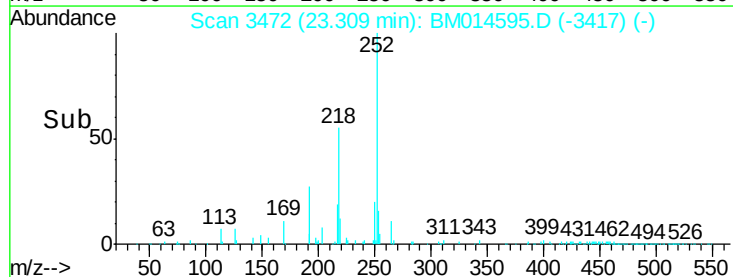
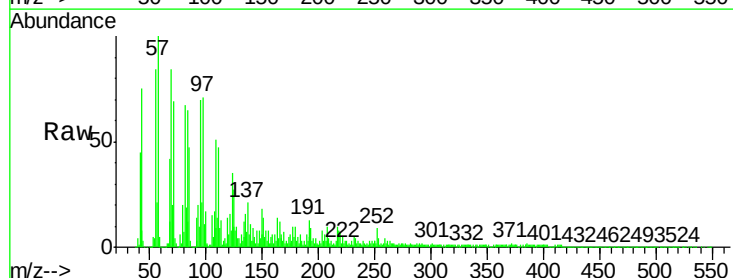
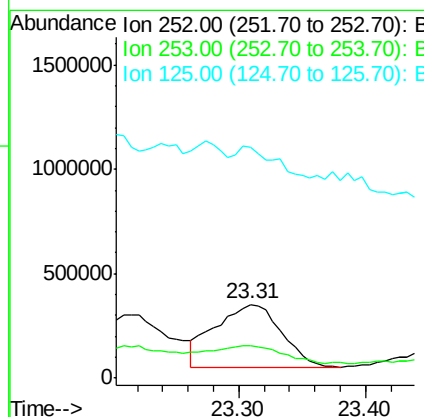
RT: 23.31 min Scan# 3472

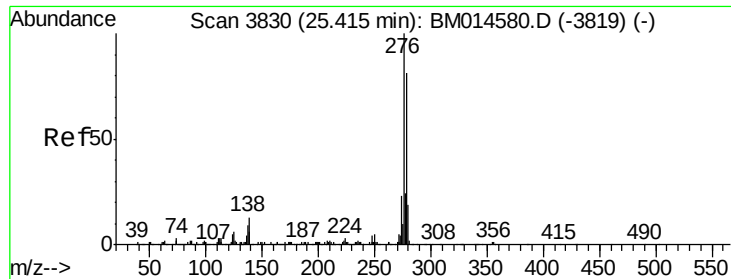
Delta R.T. 0.12 min

Lab File: BM014595.D

Acq: 16 Mar 2018 02:28

Tgt Ion:	252	Resp:	1101904
Ion Ratio	Lower	Upper	
252	100		
253	44.5	18.2	27.2#
125	313.5	4.0	6.0#





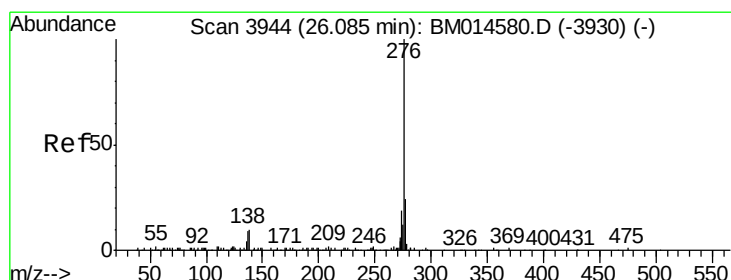
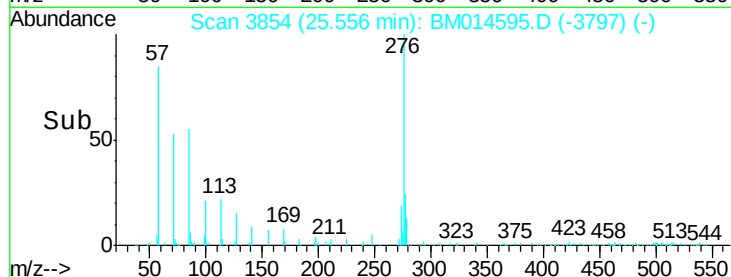
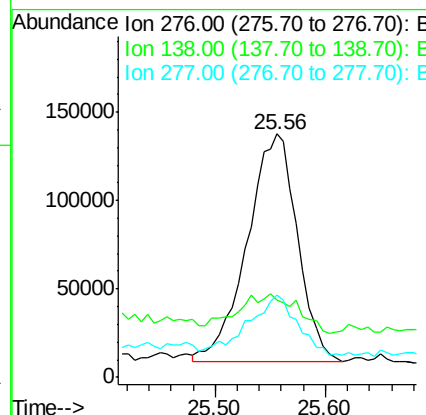
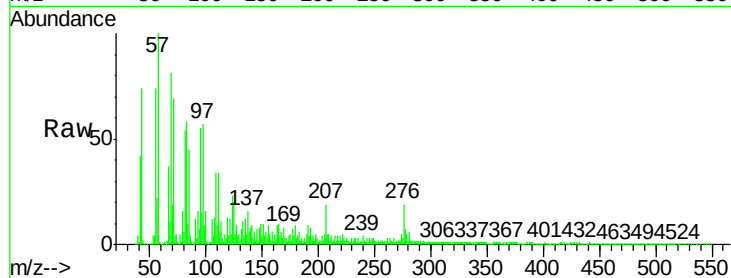
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 6.005 ng/ul
 RT: 25.56 min Scan# 3854
 Delta R.T. 0.14 min
 Lab File: BM014595.D
 Acq: 16 Mar 2018 02:28

Instrument :
 BNA_M
 ClientSampled :
 BEL21

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.7	9.3	13.9#
277	33.6	19.9	29.9#

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#30
 Benzo(g,h,i)perylene
 Concen: 6.860 ng/ul
 RT: 26.21 min Scan# 3965
 Delta R.T. 0.12 min
 Lab File: BM014595.D
 Acq: 16 Mar 2018 02:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.3	8.5	12.7#
277	31.9	18.6	28.0#

