

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM022015.D
 Acq On : 11 Aug 2019 03:32
 Operator : HP/JU
 Sample : K4116-16
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JLLE8

Manual Integrations
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 8/13/2019 8:34:29 AM

Quant Time: Aug 11 04:29:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Aug 11 01:49:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1038	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.39	136	4241	0.40	ng/ul	-0.03
6) Acenaphthene-d10	14.27	164	2287	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.02	188	5406m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5461m	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	5599m	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.00	152	1630	0.23	ng/ul	-0.02
14) Fluoranthene-d10	19.06	212	4568m	0.25	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.44	128	925	0.077	ng/ul#	88
5) 2-Methylnaphthalene	12.07	142	219	0.027	ng/ul	92
7) Acenaphthylene	13.99	152	805	0.075	ng/ul#	75
8) Acenaphthene	14.33	153	1512	0.173	ng/ul	97
9) Fluorene	15.32	166	1055	0.109	ng/ul#	97
12) Phenanthrene	17.06	178	30397m	1.932	ng/ul	
13) Anthracene	17.16	178	9397m	0.700	ng/ul	
15) Fluoranthene	19.09	202	56641m	2.688	ng/ul	
17) Pyrene	19.45	202	58528	2.608	ng/ul	98
18) Benzo(a)anthracene	21.21	228	35959	1.841	ng/ul	95
19) Chrysene	21.26	228	33983m	1.353	ng/ul	
21) Benzo(b)fluoranthene	22.77	252	49472m	2.620	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	21278m	0.996	ng/ul	
23) Benzo(a)pyrene	23.34	252	48195m	2.510	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.65	276	32453m	1.416	ng/ul	
25) Dibenzo(a,h)anthracene	25.65	278	7201m	0.389	ng/ul	
26) Benzo(g,h,i)perylene	26.33	276	33768	1.636	ng/ul	97

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

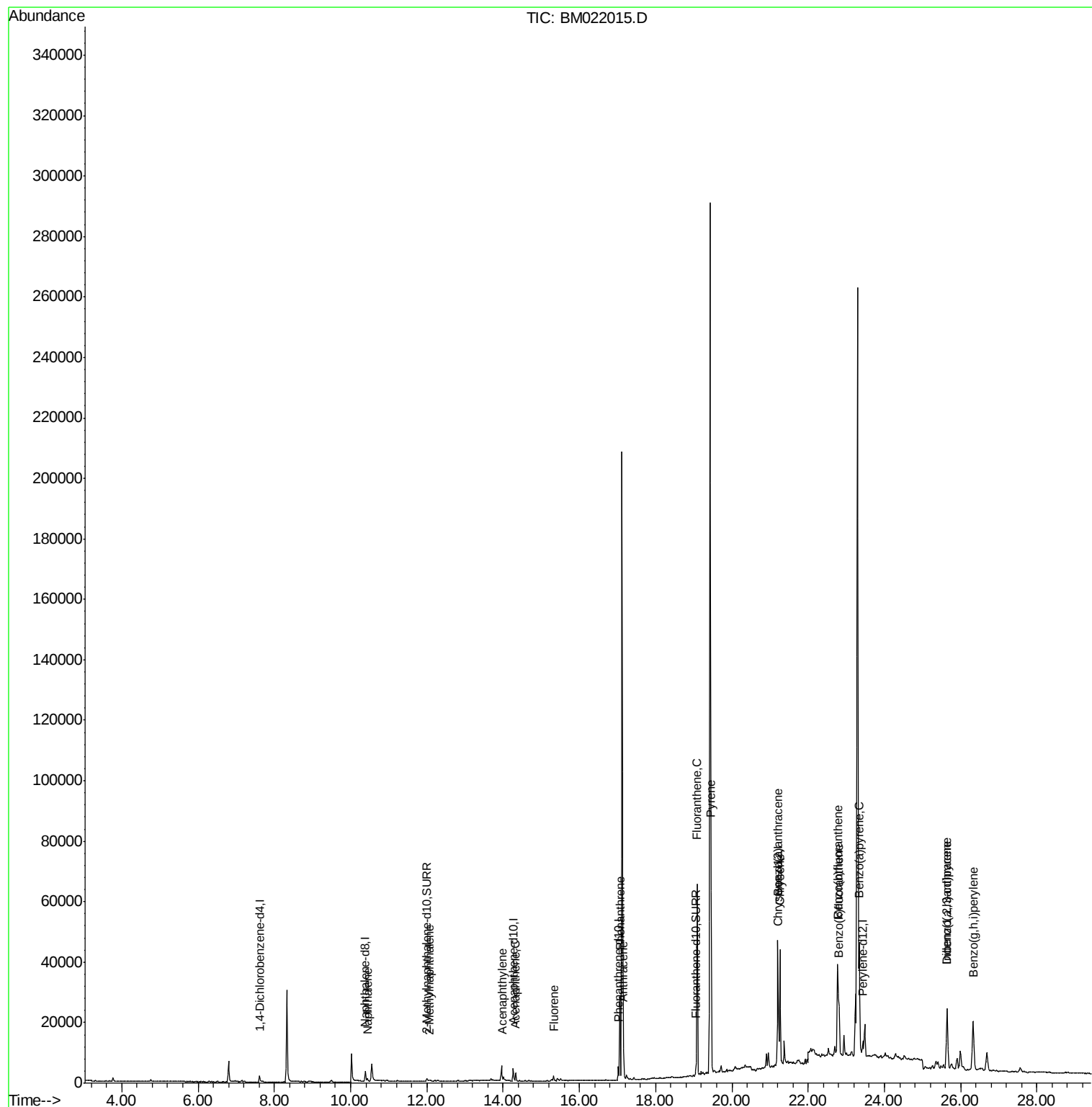
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
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ALS Vial : 52 Sample Multiplier: 1

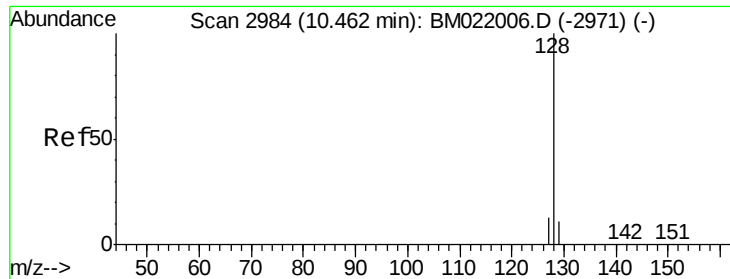
Instrument :
BNA_M
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JLLE8

Quant Time: Aug 11 04:29:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#3

Naphthalene

Concen: 0.077 ng/ul

RT: 10.44 min Scan# 2979

Delta R.T. -0.03 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Instrument :

BNA_M

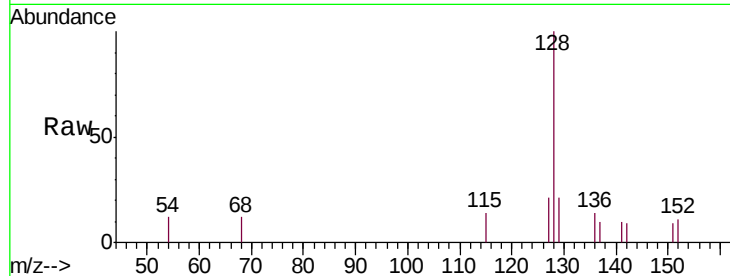
ClientSampleId :

JLLE8

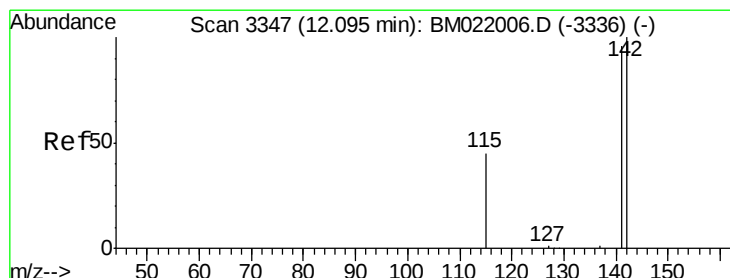
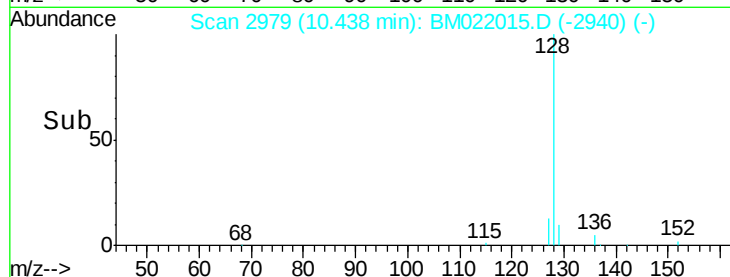
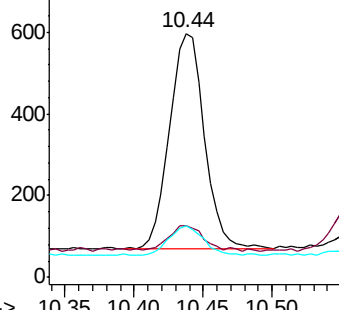
Tgt Ion:	128	Resp:	925
Ion Ratio	Lower	Upper	
128	100		
129	21.1	12.3	18.5#
127	21.1	13.0	19.6#

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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: 0.027 ng/ul

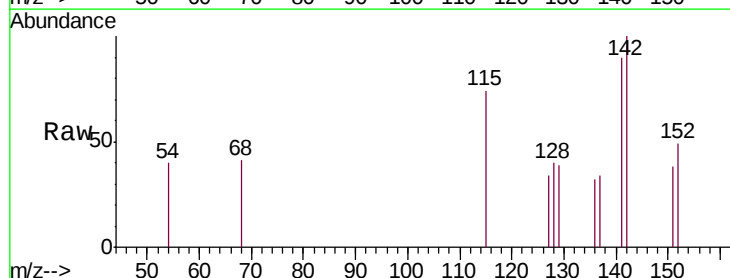
RT: 12.07 min Scan# 3343

Delta R.T. -0.02 min

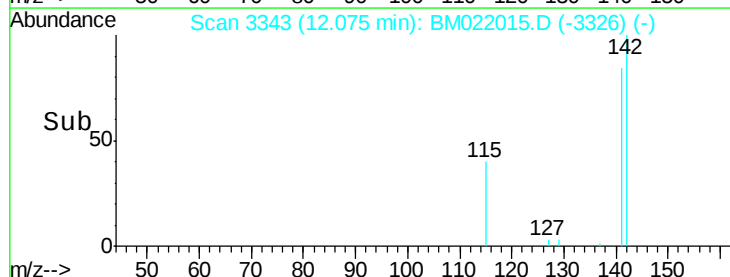
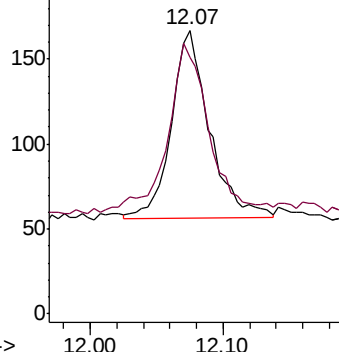
Lab File: BM022015.D

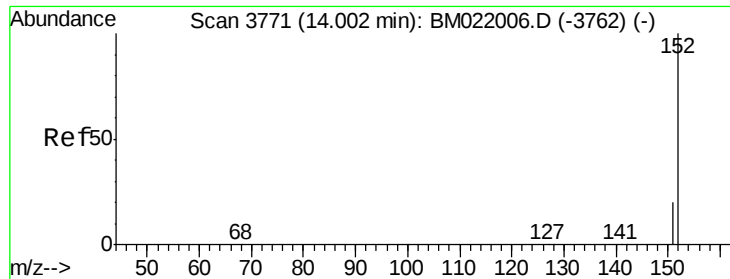
Acq: 11 Aug 2019 03:32

Tgt Ion:	142	Resp:	219
Ion Ratio	Lower	Upper	
142	100		
141	100.9	74.3	111.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.99 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM022015.D

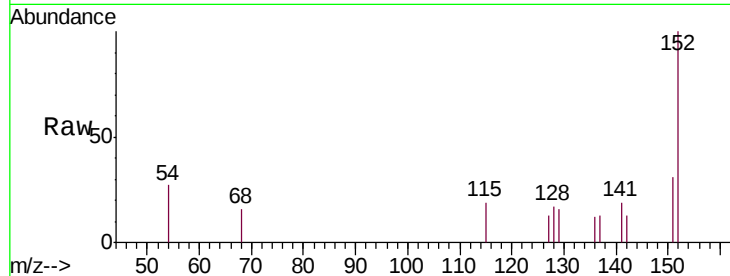
Acq: 11 Aug 2019 03:32

Instrument :

BNA_M

ClientSampleId :

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Tgt Ion:152 Resp: 805

Ion Ratio Lower Upper

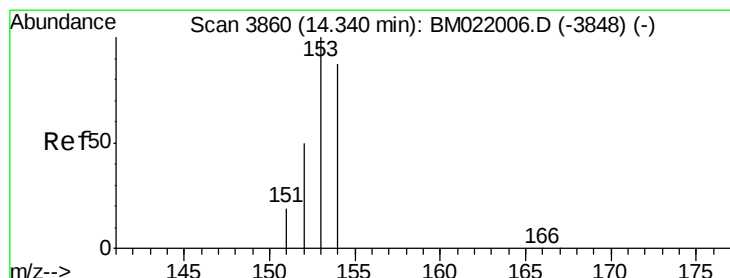
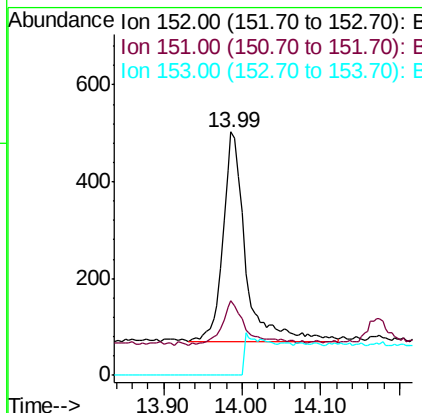
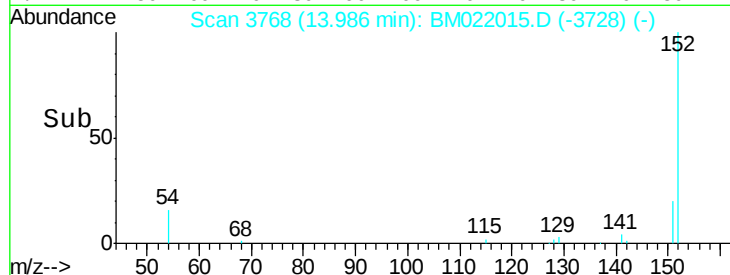
152 100

151 30.8 18.3 27.5#

153 0.0 12.8 19.2#

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#8

Acenaphthene

Concen: 0.173 ng/ul

RT: 14.33 min Scan# 3858

Delta R.T. -0.01 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

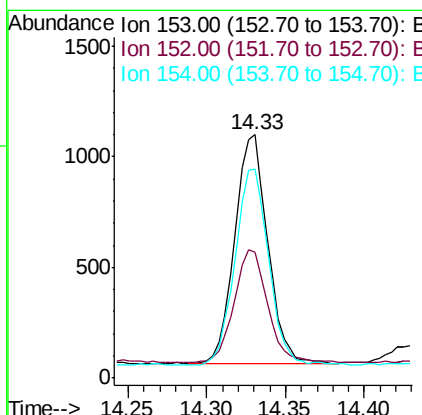
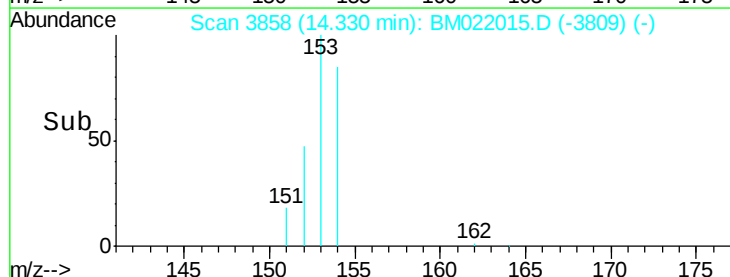
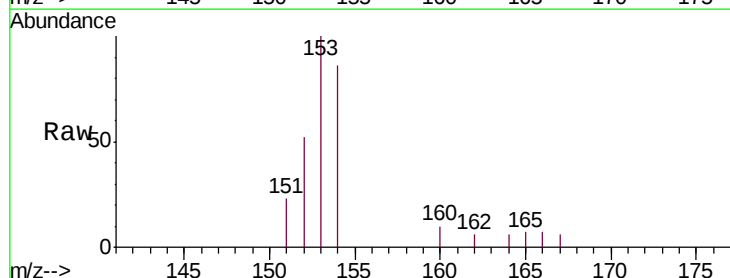
Tgt Ion:153 Resp: 1512

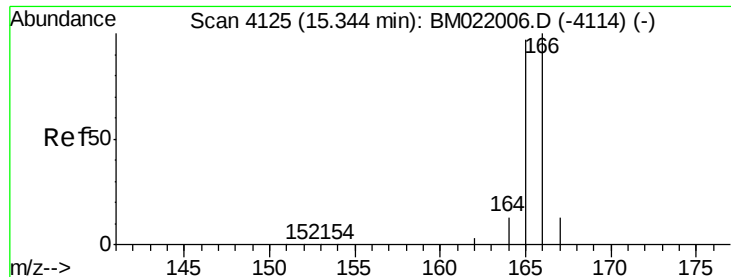
Ion Ratio Lower Upper

153 100

152 51.6 41.3 61.9

154 85.7 72.3 108.5





#9

Fluorene

Concen: 0.109 ng/ul

RT: 15.32 min Scan# 4120

Delta R.T. -0.02 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Instrument :

BNA_M

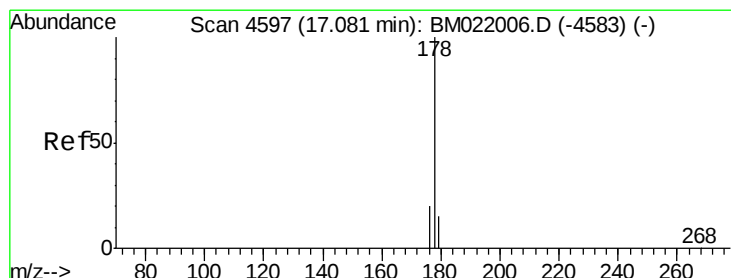
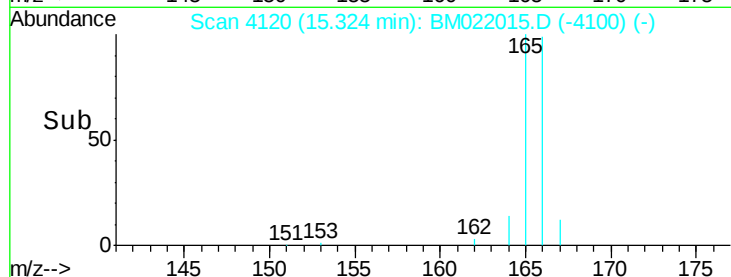
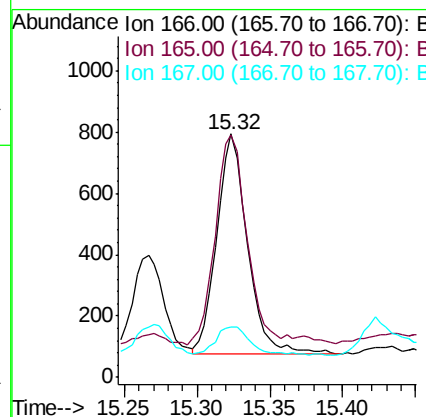
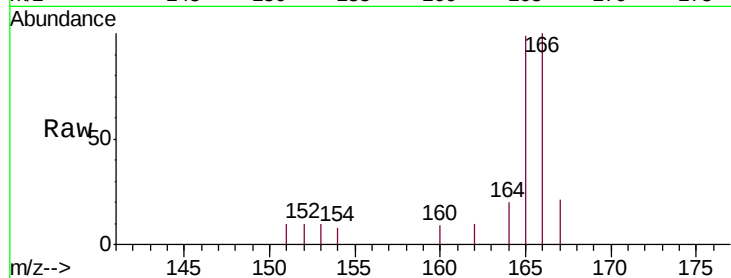
ClientSampled :

JLLE8

Tgt Ion:	166	Resp:	1055
Ion Ratio	Lower	Upper	
166	100		
165	99.4	81.4	122.0
167	20.9	13.7	20.5

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#12

Phenanthrene

Concen: 1.932 ng/ul m

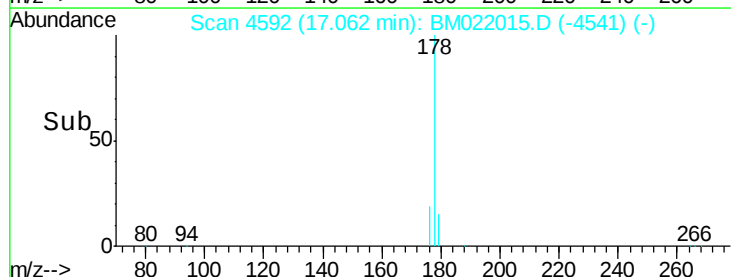
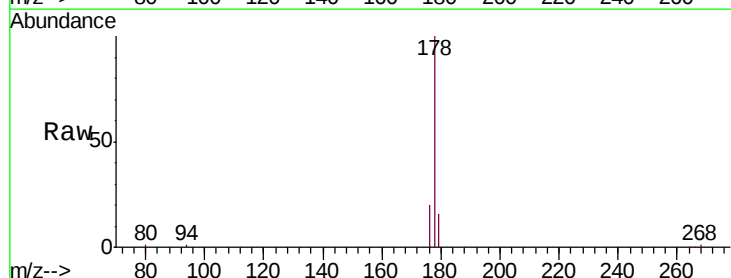
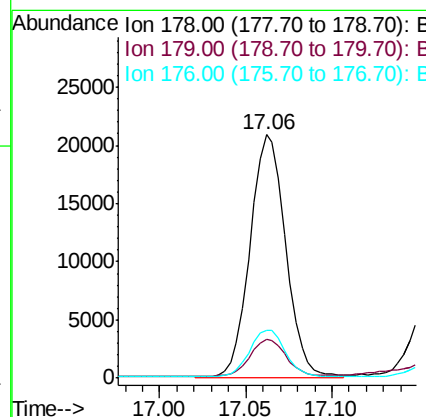
RT: 17.06 min Scan# 4592

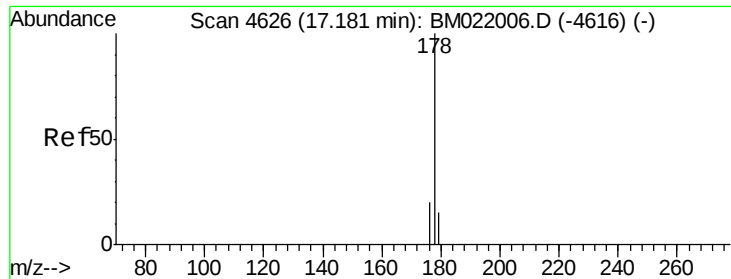
Delta R.T. -0.02 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Tgt Ion:	178	Resp:	30397
Ion Ratio	Lower	Upper	
178	100		
179	16.0	14.2	21.2
176	19.9	16.8	25.2





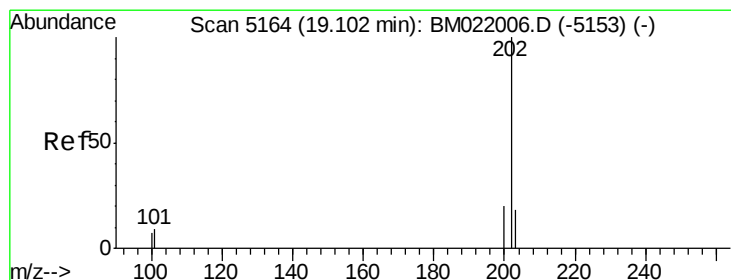
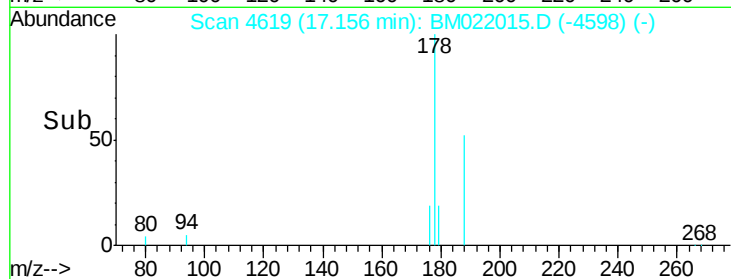
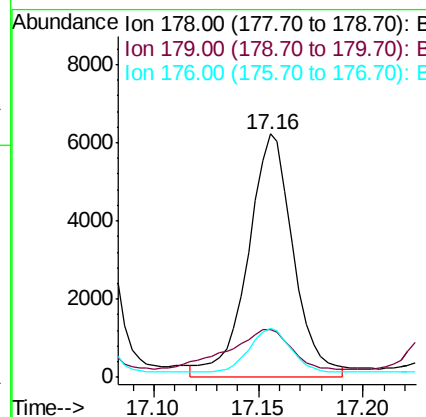
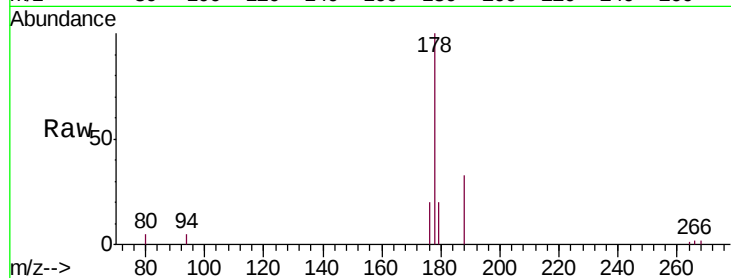
#13
 Anthracene
 Concen: 0.700 ng/ul m
 RT: 17.16 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: BM022015.D
 Acq: 11 Aug 2019 03:32

Instrument :
 BNA_M
 ClientSampleId :
 JLLE8

Tgt Ion:178 Resp: 9397
 Ion Ratio Lower Upper
 178 100
 179 19.9 15.5 23.3
 176 20.4 16.6 25.0

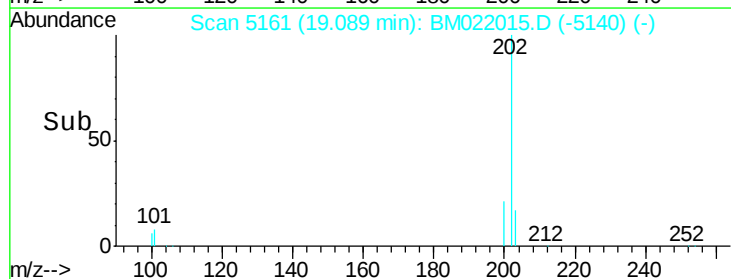
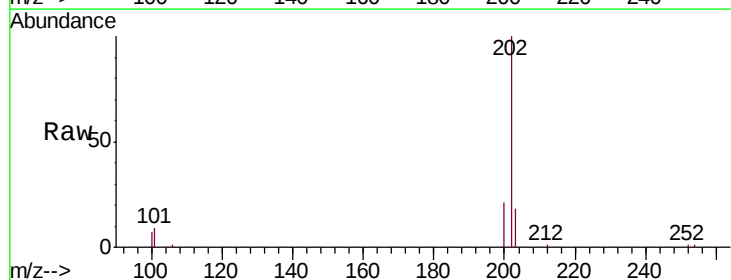
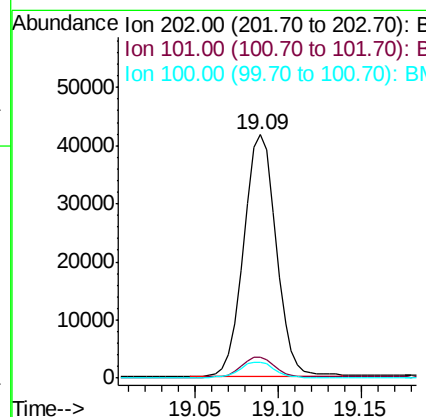
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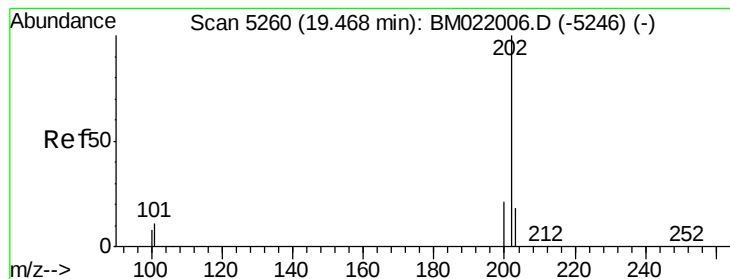
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#15
 Fluoranthene
 Concen: 2.688 ng/ul m
 RT: 19.09 min Scan# 5161
 Delta R.T. -0.02 min
 Lab File: BM022015.D
 Acq: 11 Aug 2019 03:32

Tgt Ion:202 Resp: 56641
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 30.2
 100 6.6 0.0 28.1





#17

Pyrene

Concen: 2.608 ng/ul

RT: 19.45 min Scan# 5257

Delta R.T. -0.02 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Instrument :

BNA_M

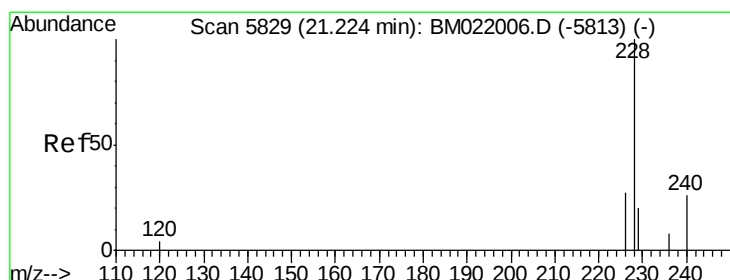
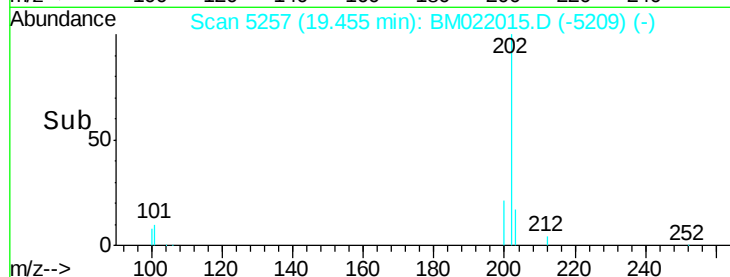
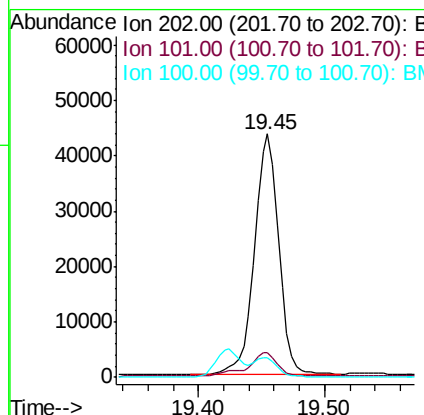
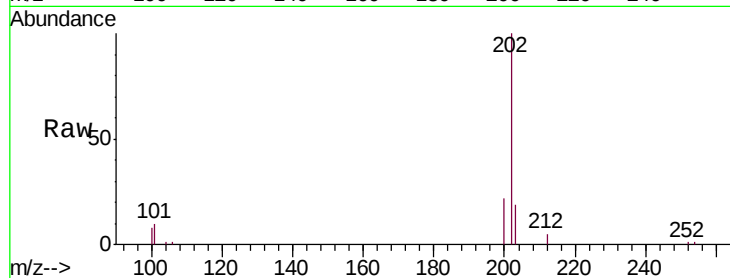
ClientSampleId :

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Tgt Ion:	202	Resp:	58528
Ion Ratio	Lower	Upper	
202	100		
101	10.1	8.3	12.5
100	8.2	7.2	10.8

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#18

Benzo(a)anthracene

Concen: 1.841 ng/ul

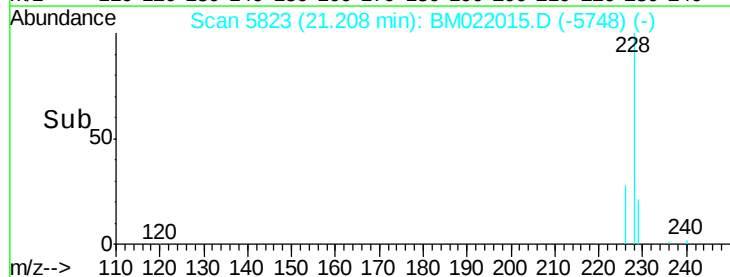
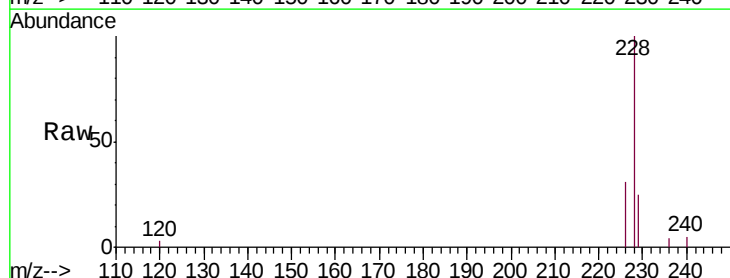
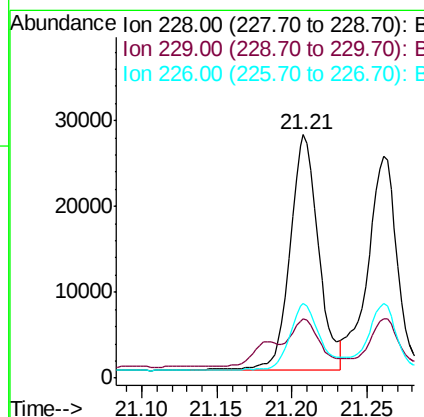
RT: 21.21 min Scan# 5823

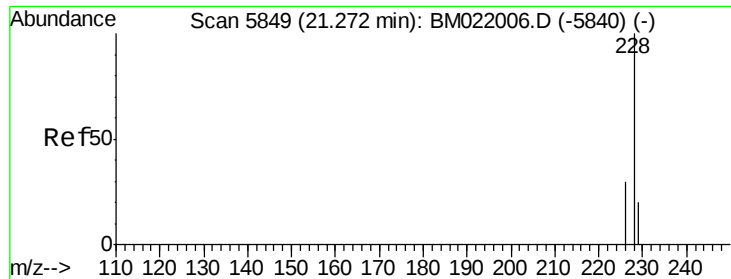
Delta R.T. -0.02 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Tgt Ion:	228	Resp:	35959
Ion Ratio	Lower	Upper	
228	100		
229	24.5	17.2	25.8
226	30.7	22.6	34.0





#19

Chrysene

Concen: 1.353 ng/ul m

RT: 21.26 min Scan# 5845

Delta R.T. -0.02 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Instrument :

BNA_M

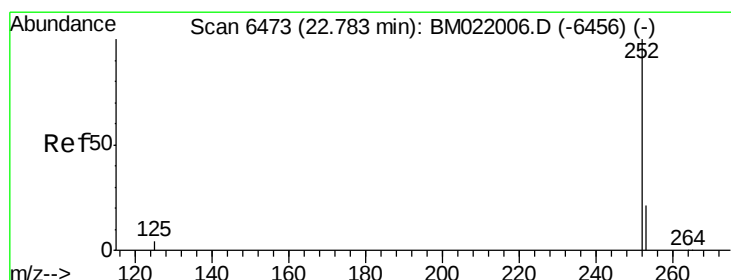
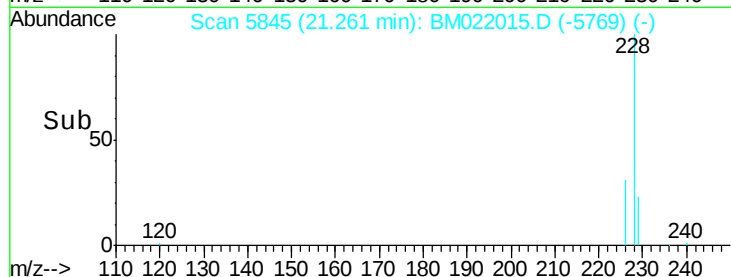
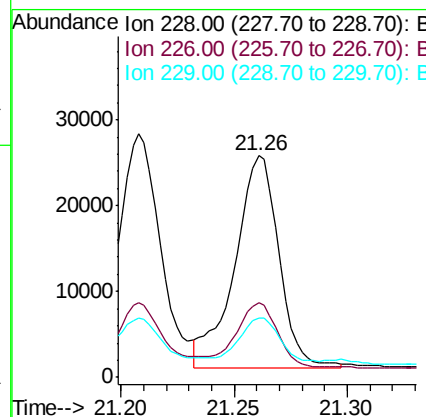
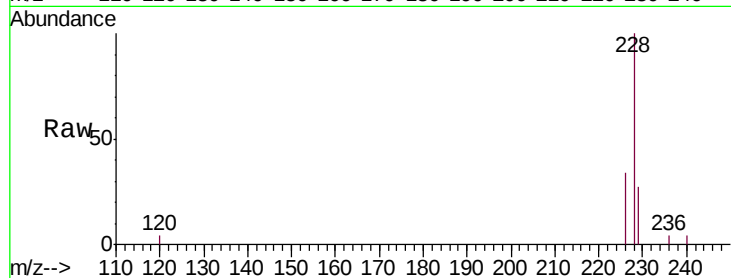
ClientSampleId :

JLLE8

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	24.9	37.3
229	27.0	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 2.620 ng/ul m

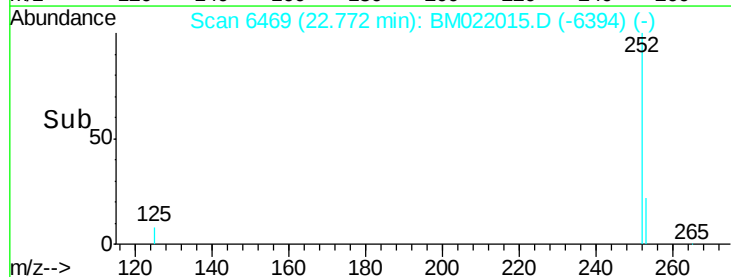
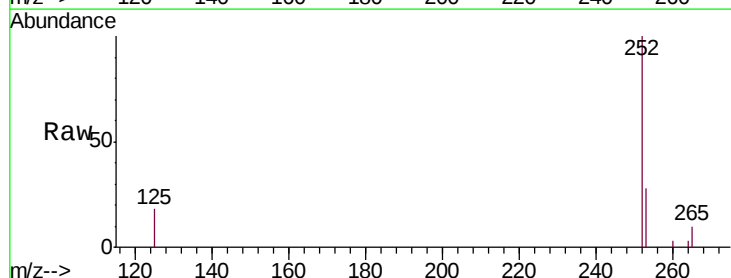
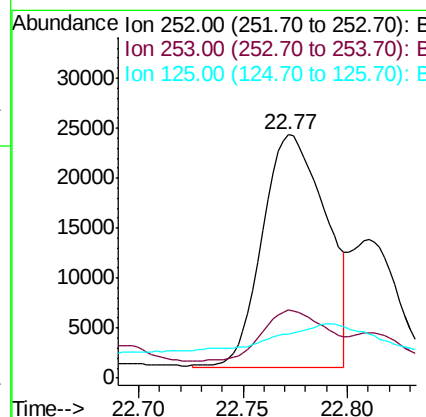
RT: 22.77 min Scan# 6469

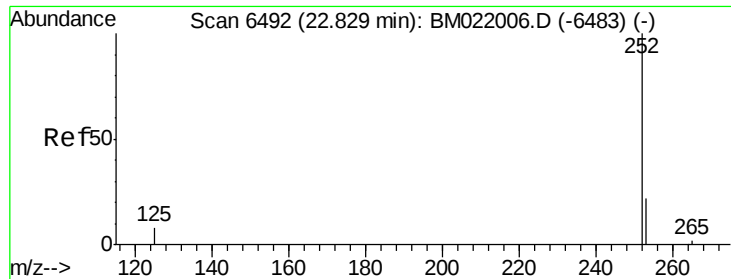
Delta R.T. -0.02 min

Lab File: BM022015.D

Acq: 11 Aug 2019 03:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	0.0	67.4
125	18.1	0.0	31.0





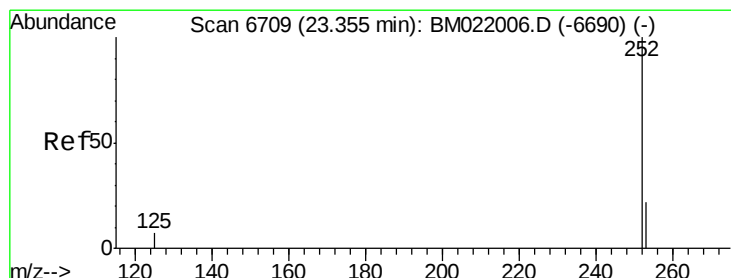
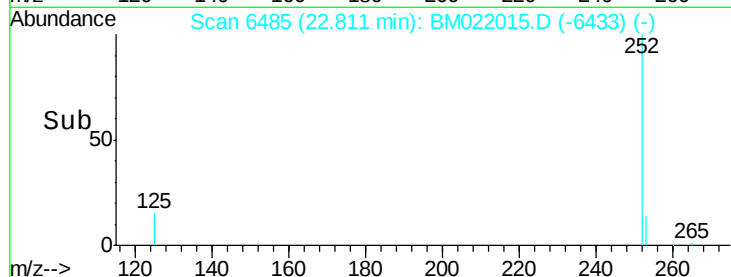
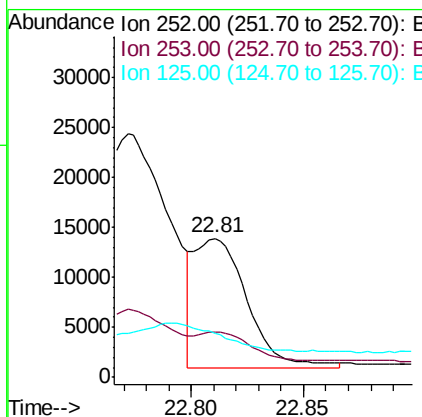
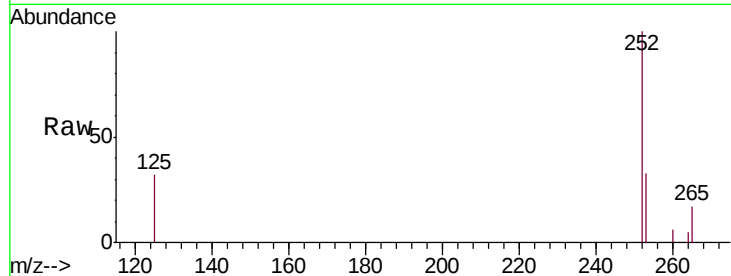
#22
Benzo(k)fluoranthene
Concen: 0.996 ng/ul m
RT: 22.81 min Scan# 6485
Delta R.T. -0.02 min
Lab File: BM022015.D
Acq: 11 Aug 2019 03:32

Instrument :
BNA_M
ClientSampleId :
JLLE8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	27.0	40.4
125	31.6	12.2	18.2

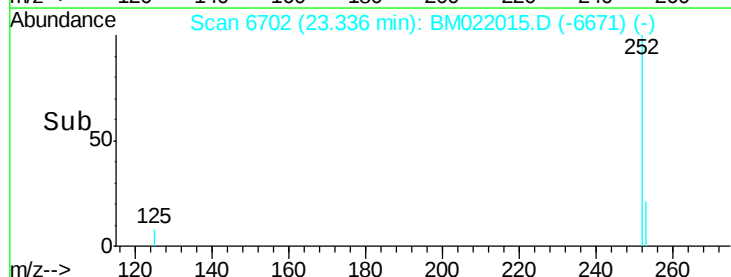
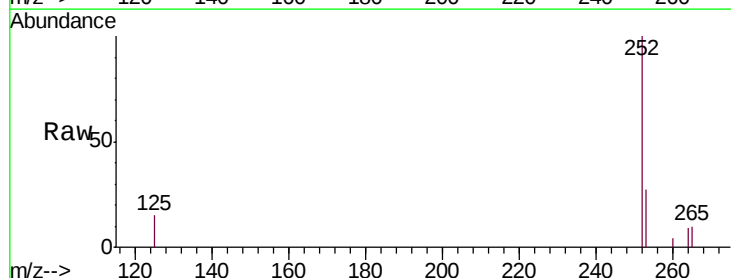
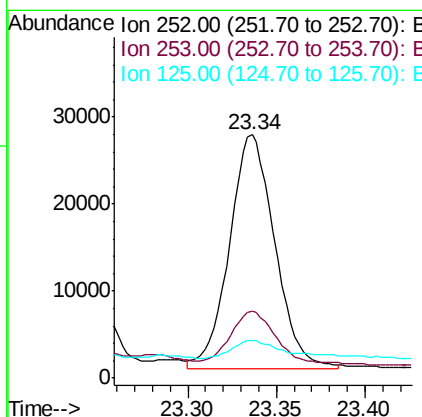
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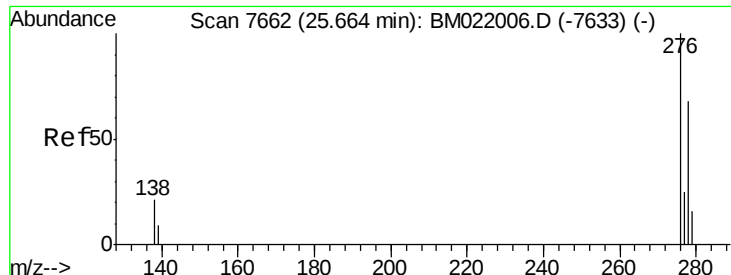
Sohil
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#23
Benzo(a)pyrene
Concen: 2.510 ng/ul m
RT: 23.34 min Scan# 6702
Delta R.T. -0.02 min
Lab File: BM022015.D
Acq: 11 Aug 2019 03:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	31.7	47.5
125	15.5	14.6	21.8

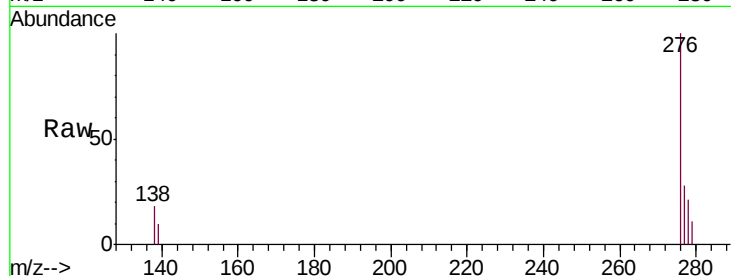




#24

Indeno(1,2,3-cd)pyrene
Concen: 1.416 ng/ul m
RT: 25.65 min Scan# 7655
Delta R.T. -0.03 min
Lab File: BM022015.D
Acq: 11 Aug 2019 03:32

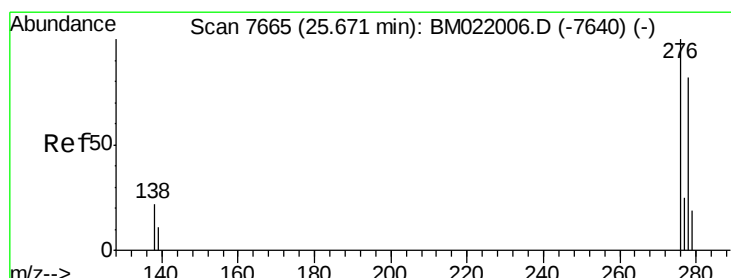
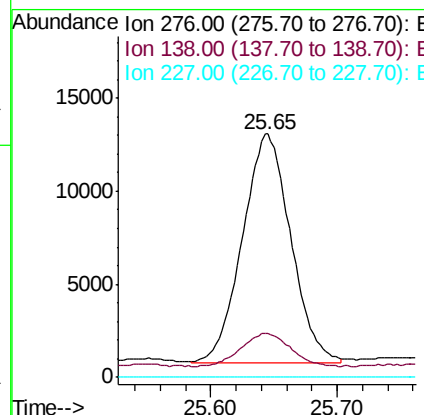
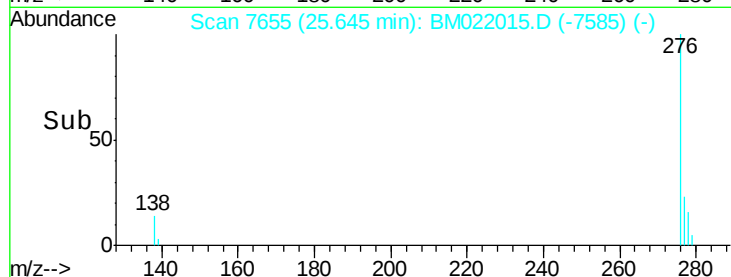
Instrument :
BNA_M
ClientSampleId :
JLLE8



Tgt Ion	Ratio	Lower	Upper
276	100		
138	1.7	15.1	22.7#
227	0.0	0.0	0.0

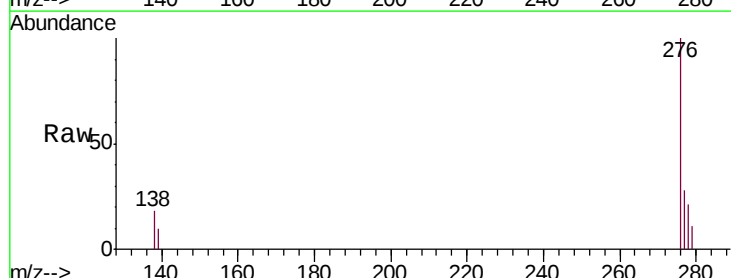
Manual Integrations
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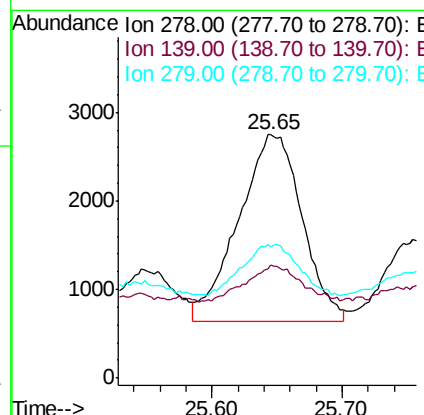
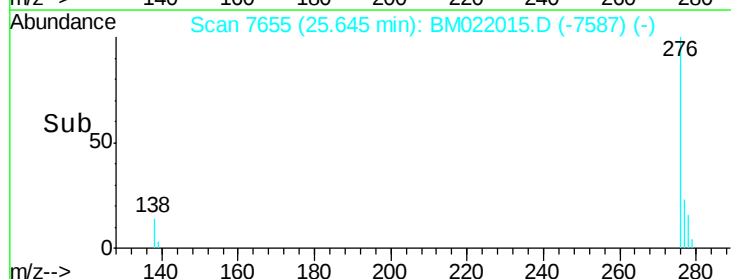


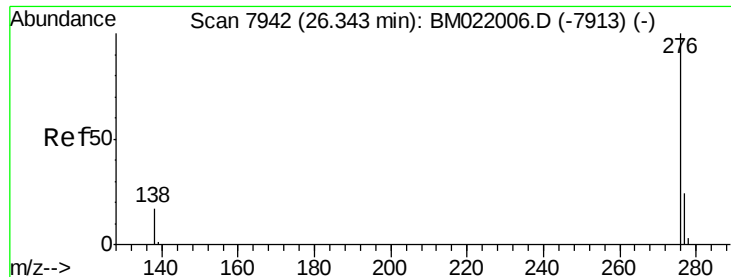
#25

Dibenzo(a,h)anthracene
Concen: 0.389 ng/ul m
RT: 25.65 min Scan# 7655
Delta R.T. -0.04 min
Lab File: BM022015.D
Acq: 11 Aug 2019 03:32



Tgt Ion	Ratio	Lower	Upper
278	100		
139	46.3	14.2	21.2#
279	53.8	28.3	42.5#





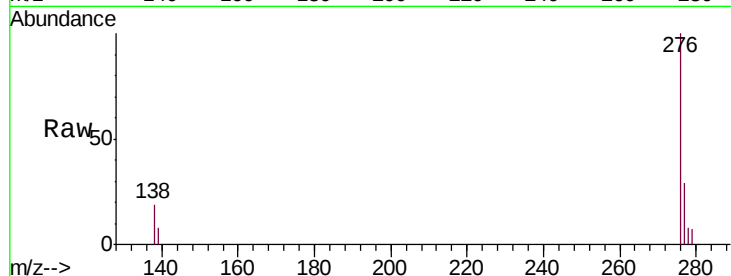
#26
 Benzo(g,h,i)perylene
 Concen: 1.636 ng/ul
 RT: 26.33 min Scan# 7936
 Delta R.T. -0.03 min
 Lab File: BM022015.D
 Acq: 11 Aug 2019 03:32

Instrument :
 BNA_M
 ClientSampleId :
 JLLE8

Tgt Ion:	276	Resp:	33768
Ion Ratio	Lower	Upper	
276	100		
138	18.6	15.5	23.3
277	28.9	21.4	32.2

Manual Integrations
 APPROVED

Sohil
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

