

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070716\
 Data File : BM006294.D
 Acq On : 06 Jul 2016 22:03
 Operator : UM/SJ
 Sample : H3811-08MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MSD

Quant Time: Jul 07 02:21:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 02:18:44 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4645	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	17845	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	9643	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.14	188	921740	0.40	ng/ul	0.10
18) Chrysene-d12	21.24	240	12703	0.40	ng/ul	0.00
22) Perylene-d12	23.31	264	590474	0.40	ng/ul	-0.15

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	7316	3.73	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	6453	0.31	ng/ul	-0.01
16) Fluoranthene-d10	19.07	212	10894	0.01	ng/ul	-0.01

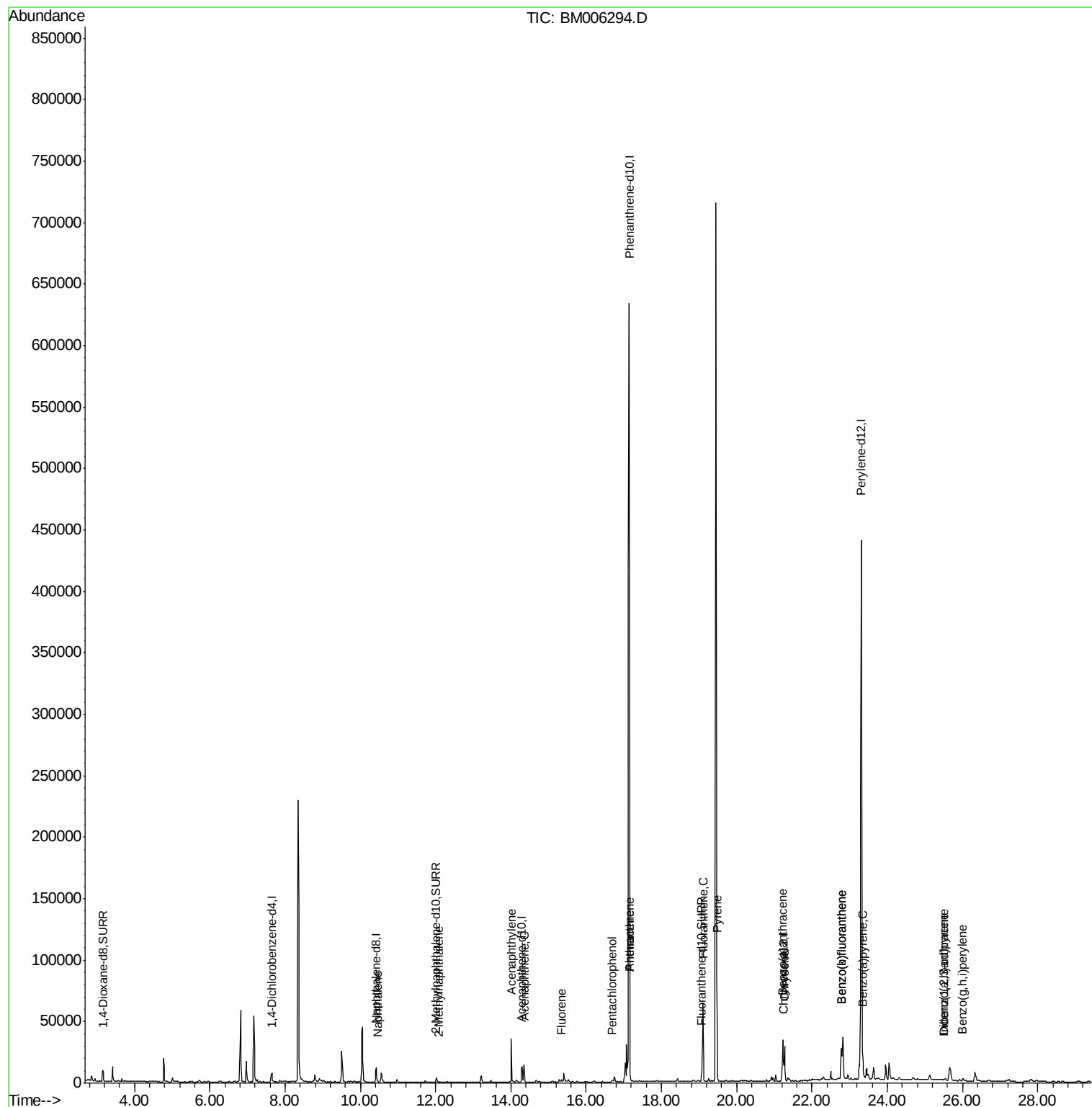
Target Compounds				Qvalue		
5) Naphthalene	10.48	128	1356	0.03	ng/ul#	78
7) 2-Methylnaphthalene	12.09	142	719	0.03	ng/ul	100
9) Acenaphthylene	14.01	152	2963	0.09	ng/ul#	94
10) Acenaphthene	14.35	153	8762	0.27	ng/ul	88
11) Fluorene	15.34	166	1474	0.04	ng/ul#	79
13) Pentachlorophenol	16.70	266	1420	0.01	ng/ul	94
14) Phenanthrene	17.16	178	6241	0.00	ng/ul#	85
15) Anthracene	17.16	178	6061	0.00	ng/ul#	85
17) Fluoranthene	19.11	202	64096	0.02	ng/ul	94
19) Pyrene	19.47	202	69312	1.30	ng/ul	96
20) Benzo(a)anthracene	21.22	228	22315	0.54	ng/ul#	92
21) Chrysene	21.27	228	26234	0.65	ng/ul	95
23) Benzo(b)fluoranthene	22.78	252	25621	0.01	ng/ul#	58
24) Benzo(k)fluoranthene	22.78	252	42856	0.02	ng/ul#	63
25) Benzo(a)pyrene	23.35	252	18455	0.01	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	25.50	276	726	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.52	278	575	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.01	276	921	0.00	ng/ul#	1

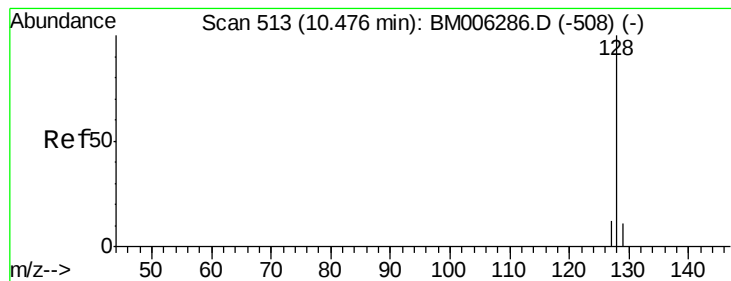
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.48 min Scan# 513

Delta R.T. -0.00 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

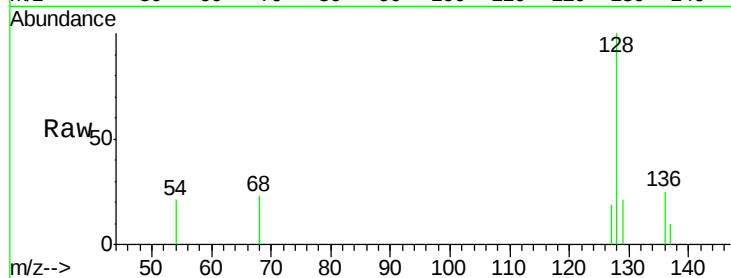
Tgt Ion:128 Resp: 1356

Ion Ratio Lower Upper

128 100

129 21.3 9.0 13.6#

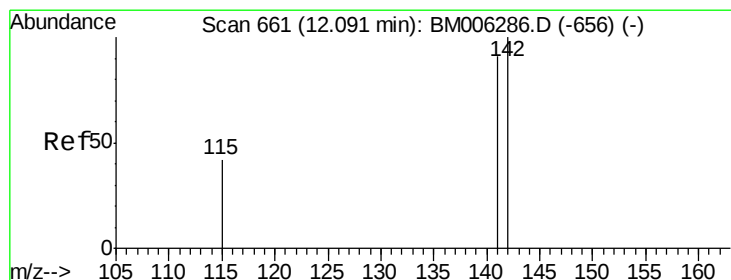
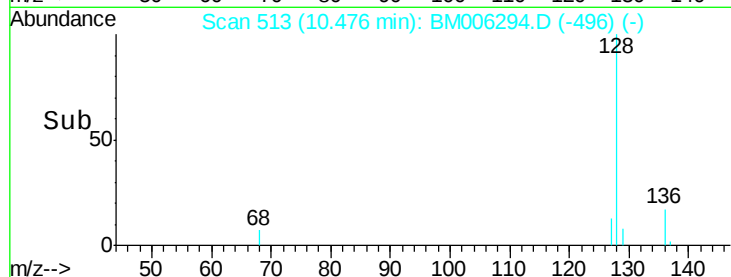
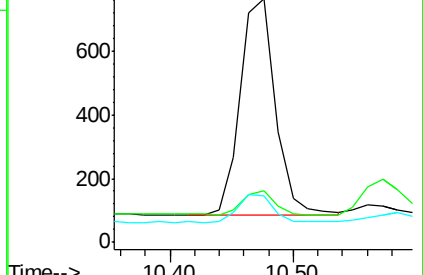
127 19.1 9.6 14.4#



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



#7

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006294.D

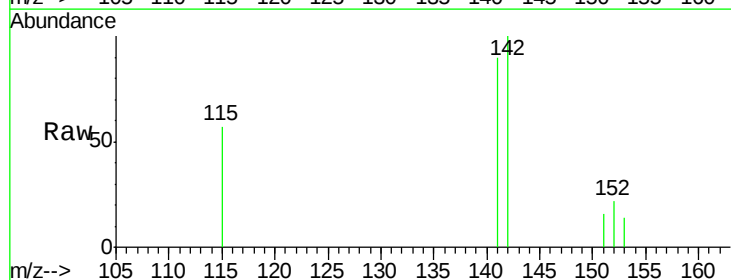
Acq: 06 Jul 2016 22:03

Tgt Ion:142 Resp: 719

Ion Ratio Lower Upper

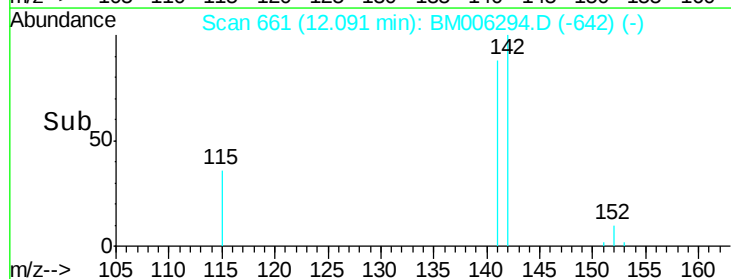
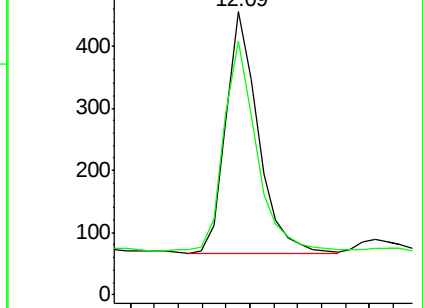
142 100

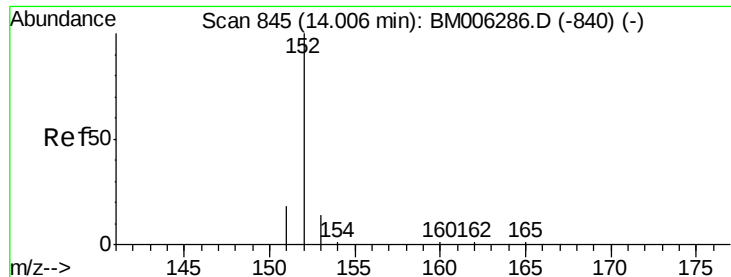
141 87.8 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.09 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

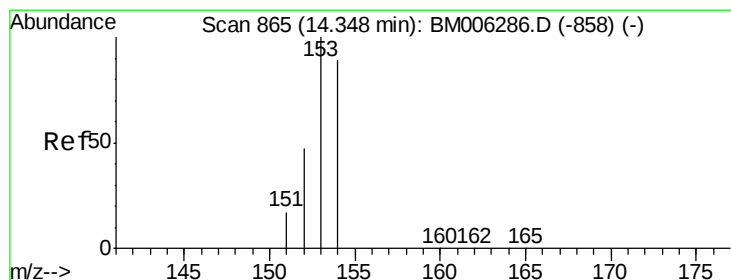
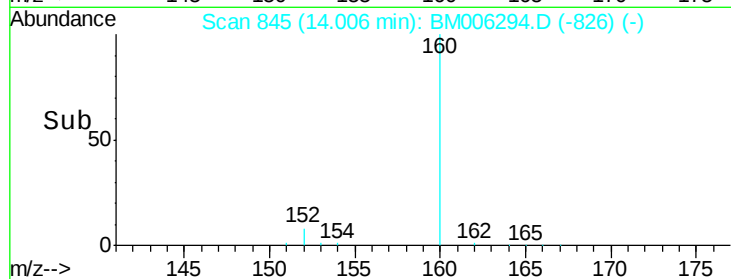
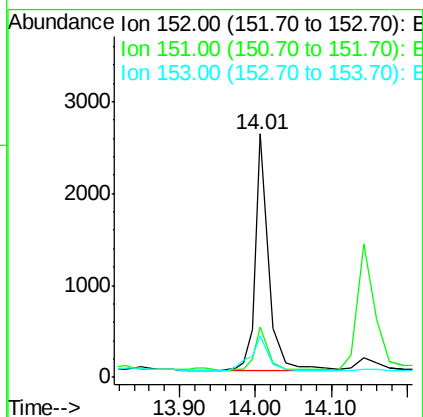
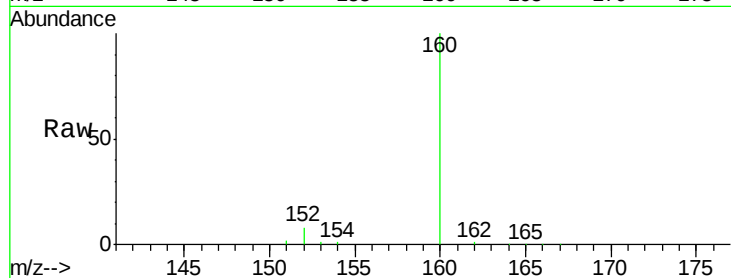
Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

Tgt Ion:	152	Resp:	2963
Ion	Ratio	Lower	Upper
152	100		
151	20.6	17.6	26.4
153	16.9	9.7	14.5#



#10

Acenaphthene

Concen: 0.27 ng/ul

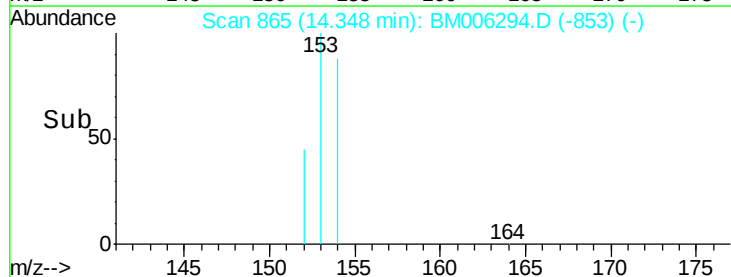
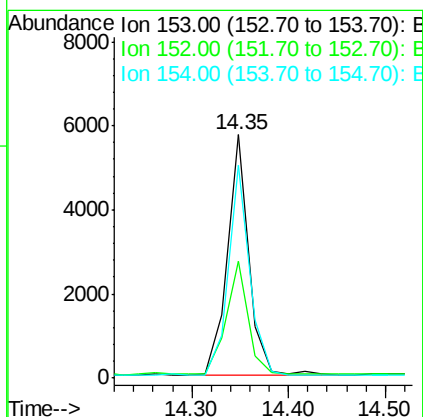
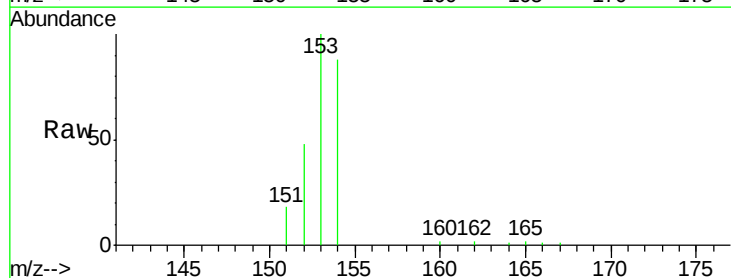
RT: 14.35 min Scan# 865

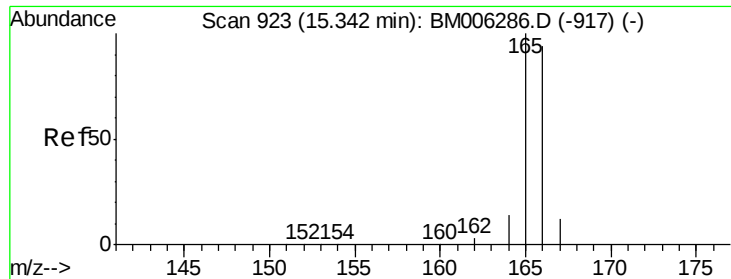
Delta R.T. -0.00 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

Tgt Ion:	153	Resp:	8762
Ion	Ratio	Lower	Upper
153	100		
152	47.8	33.9	50.9
154	87.7	80.6	121.0

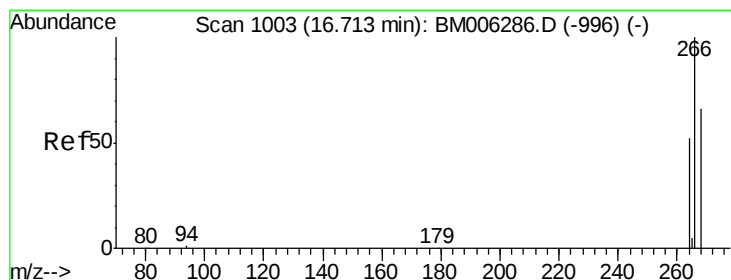
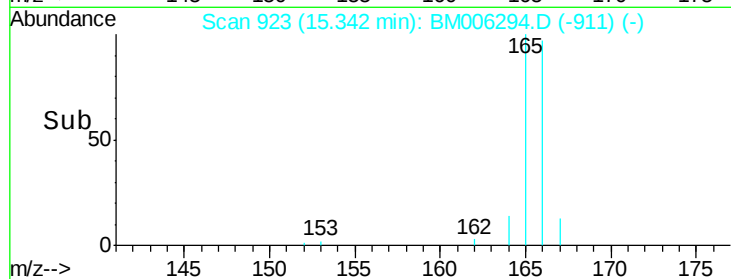
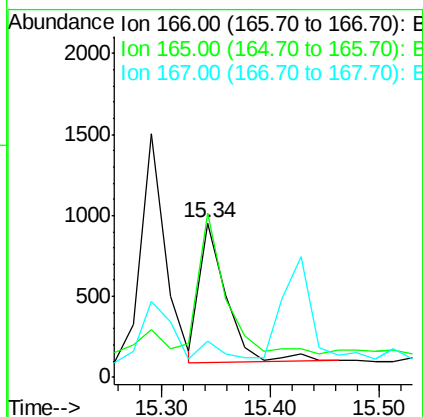
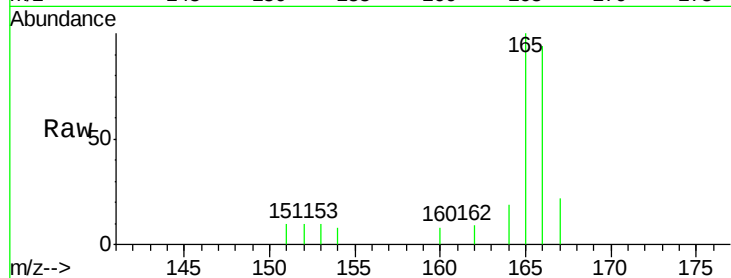




#11
Fluorene
 Concen: 0.04 ng/ul
 RT: 15.34 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BM006294.D
 Acq: 06 Jul 2016 22:03

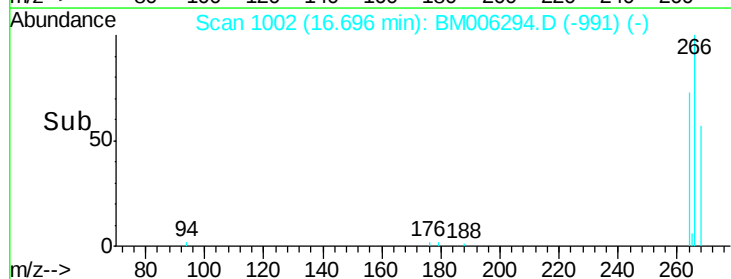
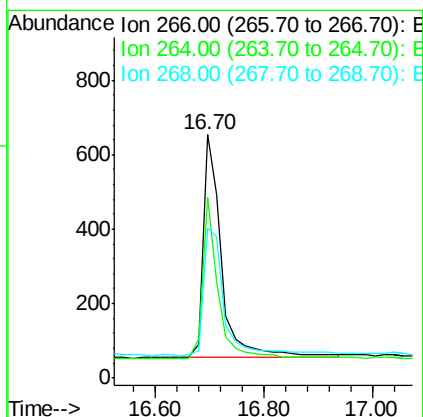
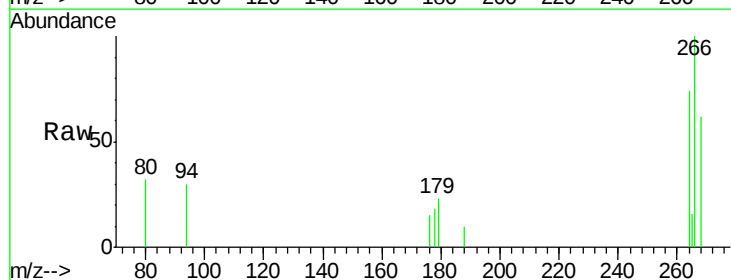
Instrument :
 BNA_M
 ClientSampleId :
 A4TV6MSD

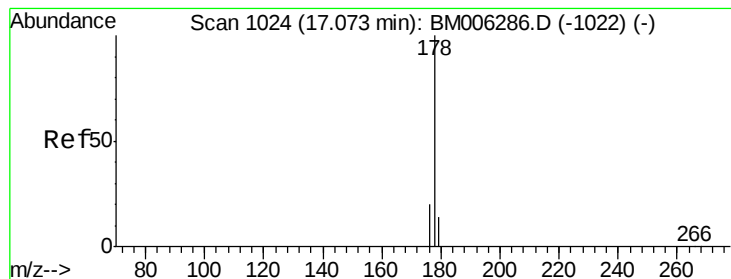
Tgt Ion:166 Resp: 1474
 Ion Ratio Lower Upper
 166 100
 165 106.5 69.6 104.4#
 167 23.7 11.9 17.9#



#13
Pentachlorophenol
 Concen: 0.01 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: BM006294.D
 Acq: 06 Jul 2016 22:03

Tgt Ion:266 Resp: 1420
 Ion Ratio Lower Upper
 266 100
 264 63.0 51.8 77.8
 268 66.7 46.8 70.2





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. 0.09 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

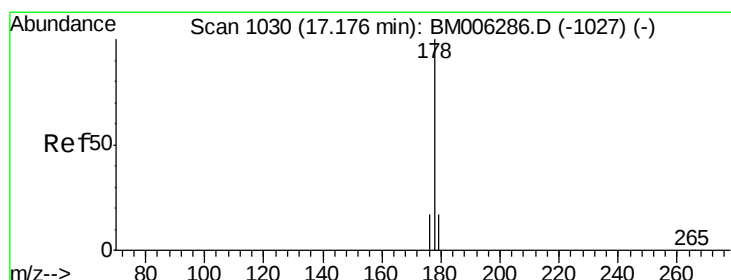
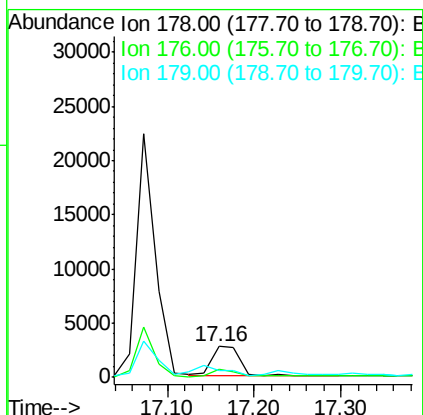
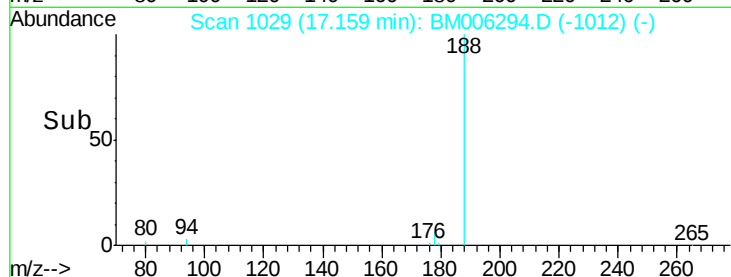
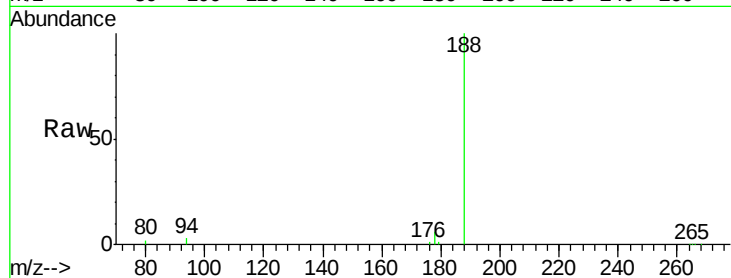
Tgt Ion:178 Resp: 6241

Ion Ratio Lower Upper

178 100

176 24.3 13.0 19.4#

179 22.5 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.16 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

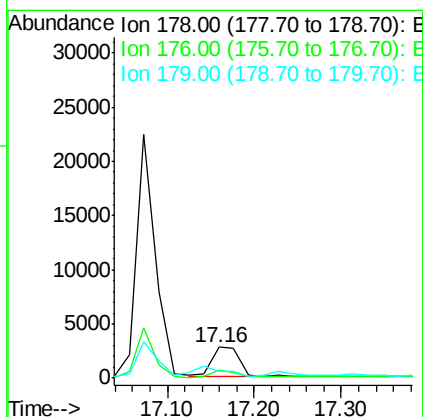
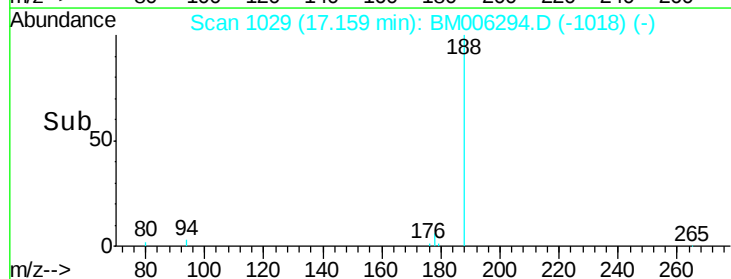
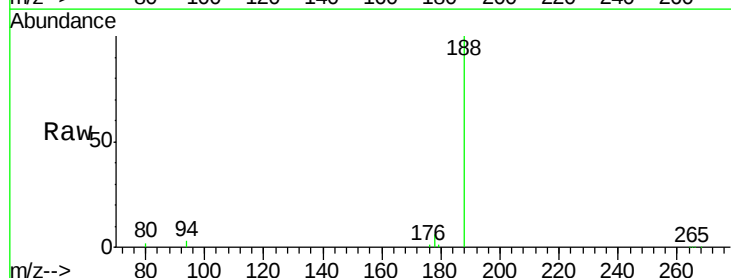
Tgt Ion:178 Resp: 6061

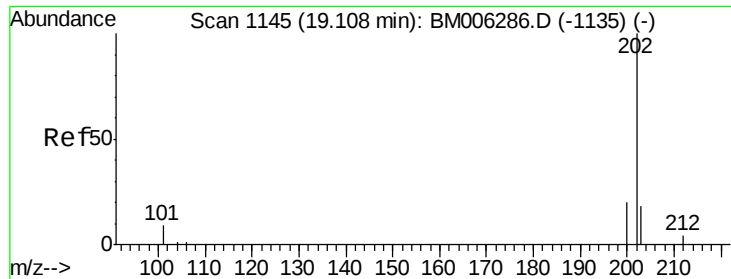
Ion Ratio Lower Upper

178 100

176 24.3 14.0 21.0#

179 22.5 12.9 19.3#

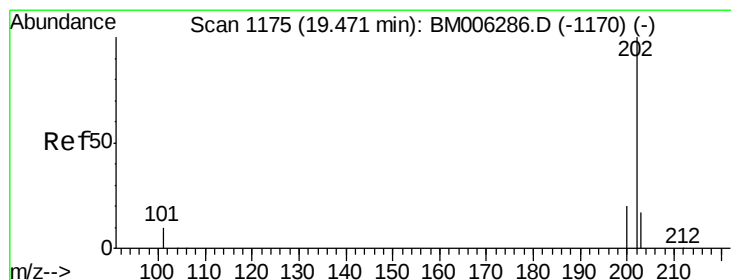
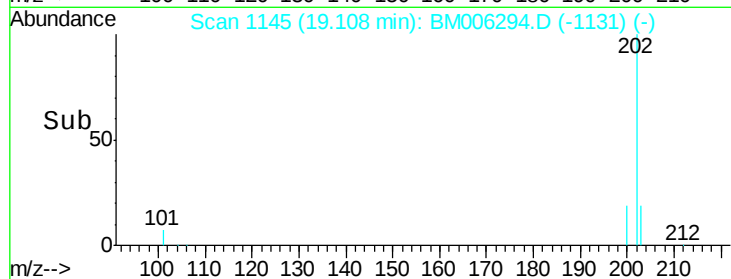
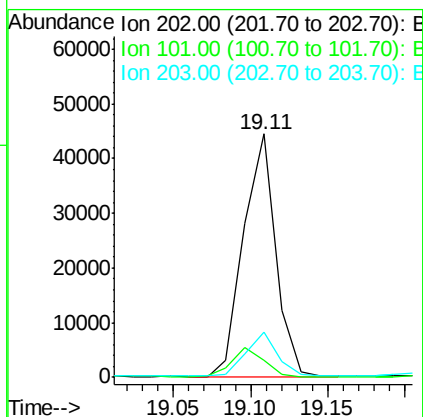
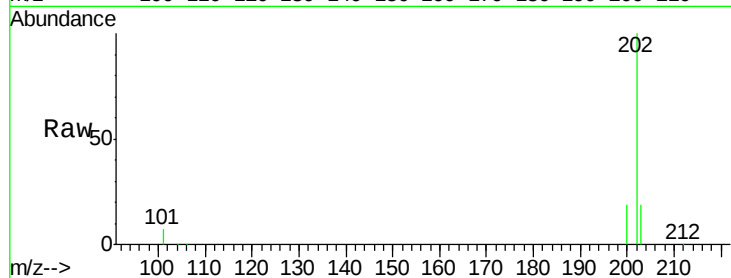




#17
Fluoranthene
Concen: 0.02 ng/ul
RT: 19.11 min Scan# 1145
Delta R.T. -0.00 min
Lab File: BM006294.D
Acq: 06 Jul 2016 22:03

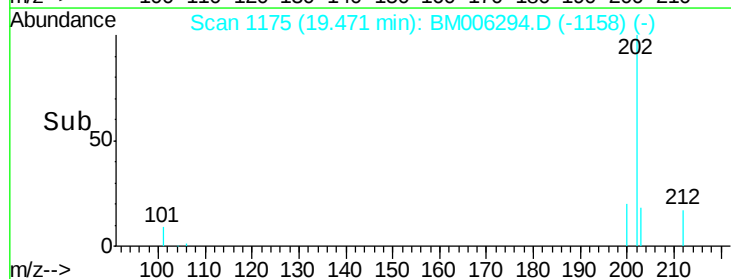
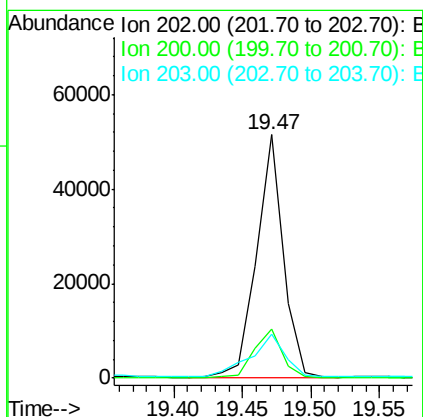
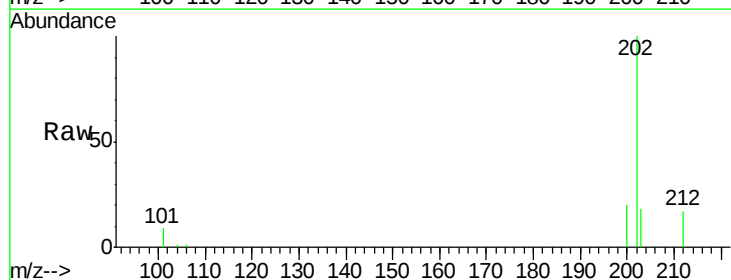
Instrument :
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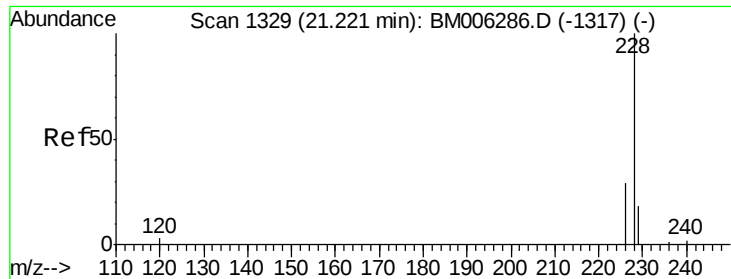
Tgt Ion:202 Resp: 64096
Ion Ratio Lower Upper
202 100
101 7.3 0.0 29.6
203 18.8 0.0 36.3



#19
Pyrene
Concen: 1.30 ng/ul
RT: 19.47 min Scan# 1175
Delta R.T. -0.00 min
Lab File: BM006294.D
Acq: 06 Jul 2016 22:03

Tgt Ion:202 Resp: 69312
Ion Ratio Lower Upper
202 100
200 20.3 17.8 26.8
203 18.1 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.54 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

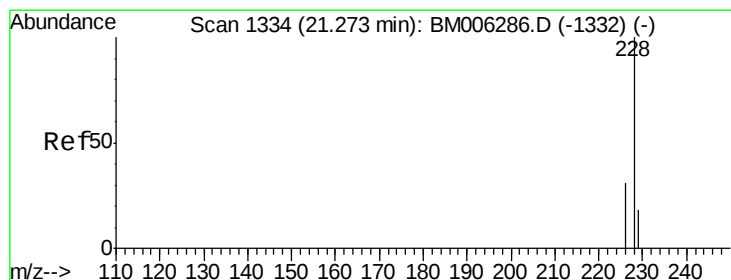
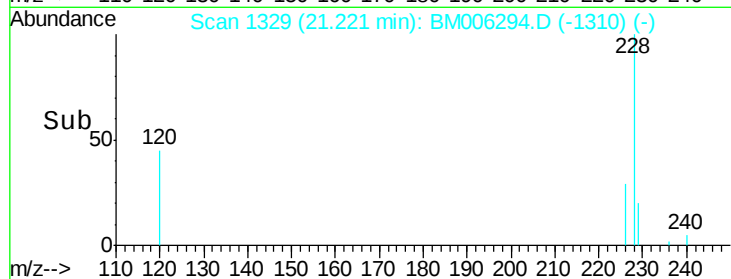
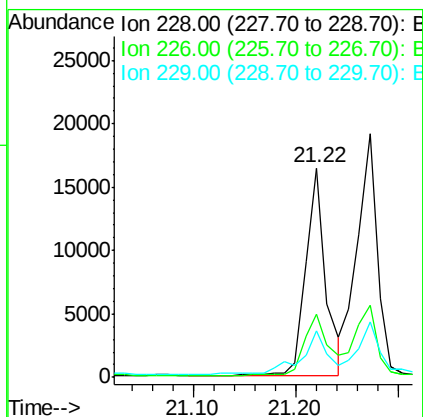
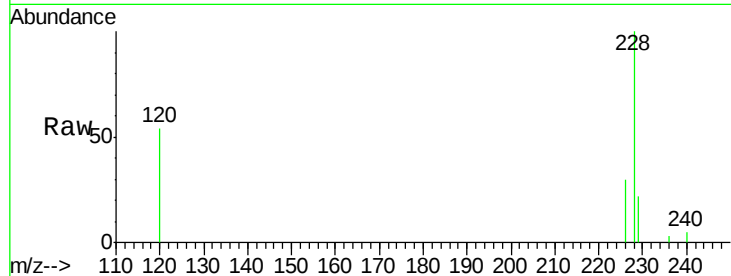
Tgt Ion:228 Resp: 22315

Ion Ratio Lower Upper

228 100

226 29.9 18.8 28.2#

229 22.1 17.1 25.7



#21

Chrysene

Concen: 0.65 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

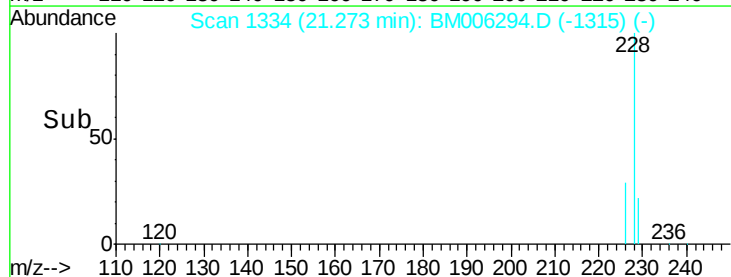
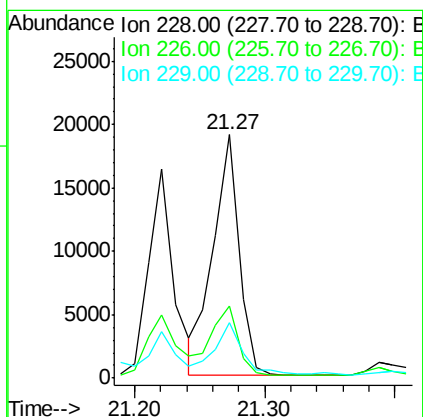
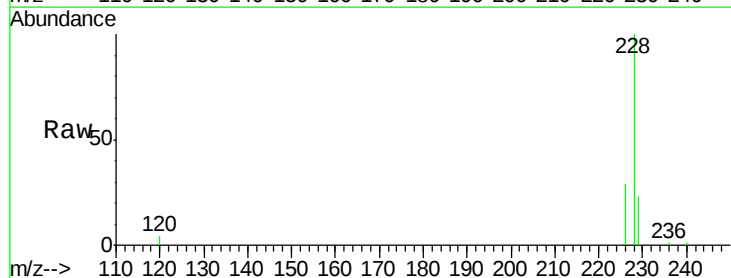
Tgt Ion:228 Resp: 26234

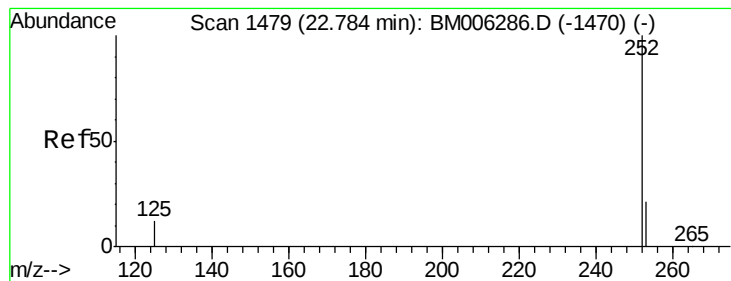
Ion Ratio Lower Upper

228 100

226 29.5 21.2 31.8

229 22.7 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

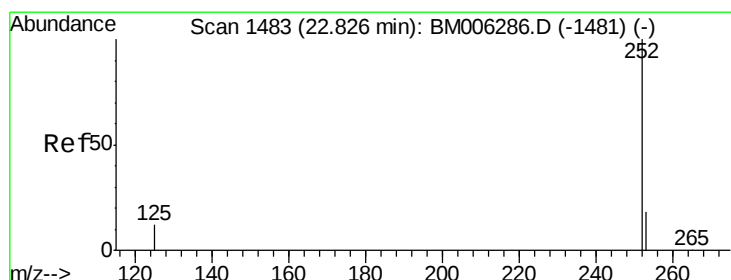
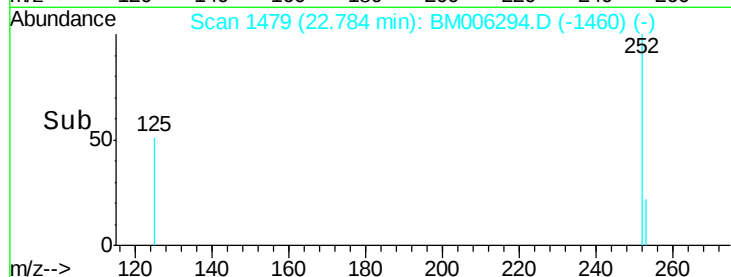
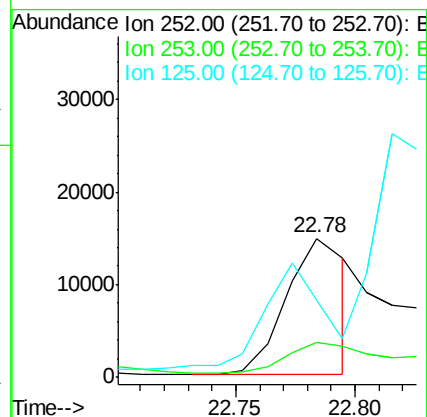
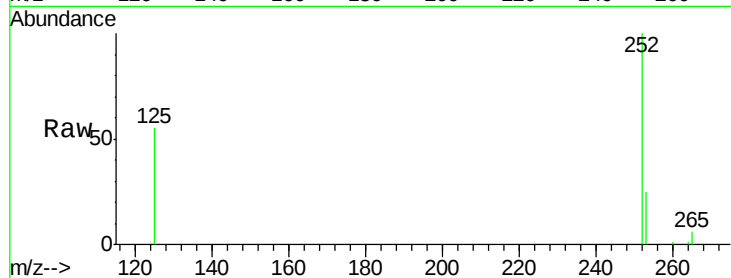
Tgt Ion:252 Resp: 25621

Ion Ratio Lower Upper

252 100

253 25.2 0.0 45.4

125 55.4 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.02 ng/u1

RT: 22.78 min Scan# 1479

Delta R.T. -0.04 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

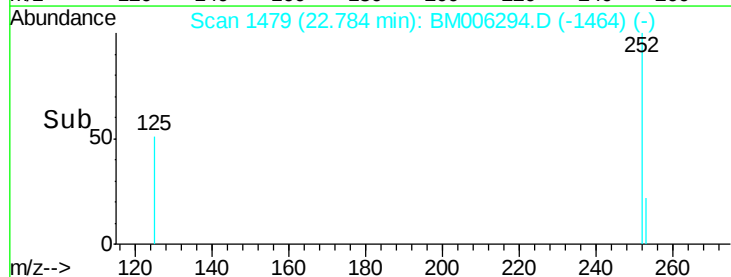
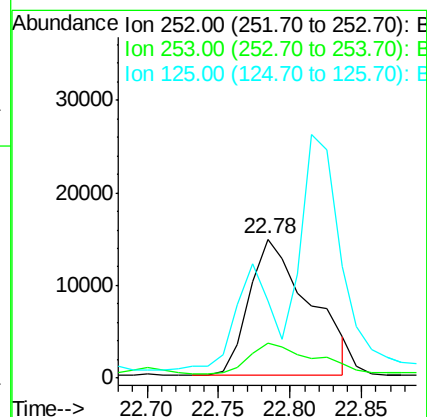
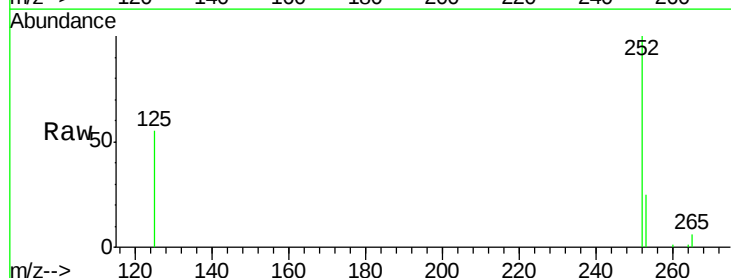
Tgt Ion:252 Resp: 42856

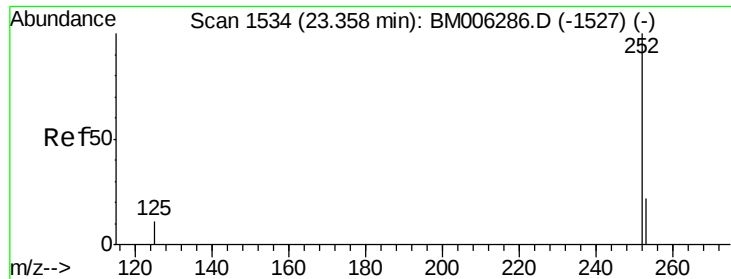
Ion Ratio Lower Upper

252 100

253 25.2 19.8 29.8

125 55.4 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.01 ng/u1

RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

Instrument :

BNA_M

ClientSampleId :

A4TV6MSD

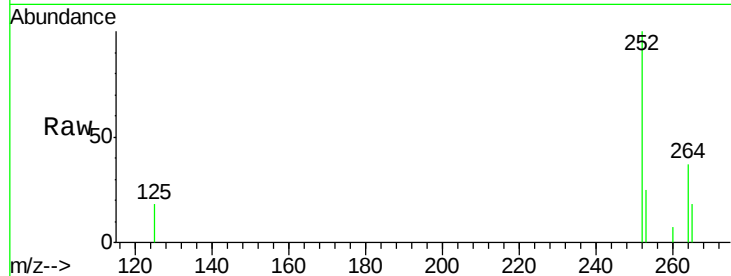
Tgt Ion:252 Resp: 18455

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.2

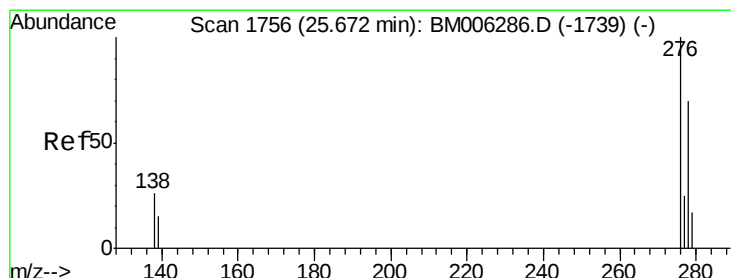
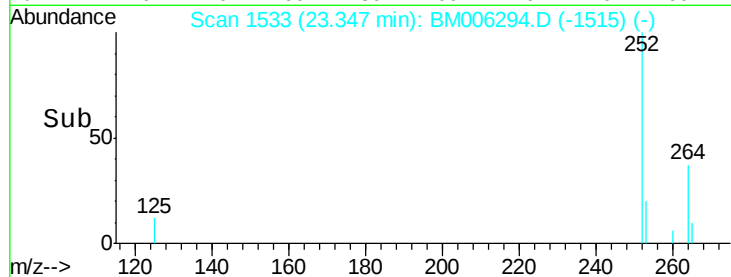
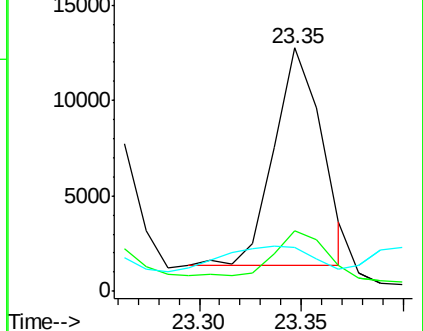
125 18.3 12.7 19.1



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.50 min Scan# 1740

Delta R.T. -0.17 min

Lab File: BM006294.D

Acq: 06 Jul 2016 22:03

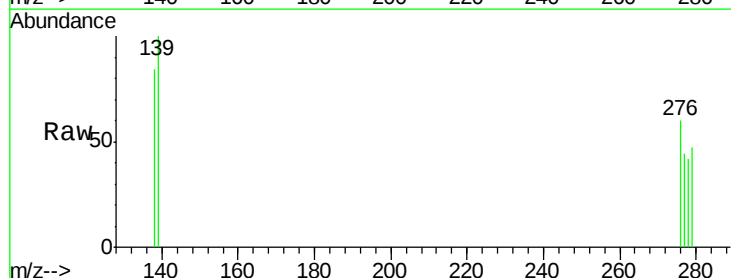
Tgt Ion:276 Resp: 726

Ion Ratio Lower Upper

276 100

138 0.0 16.3 24.5#

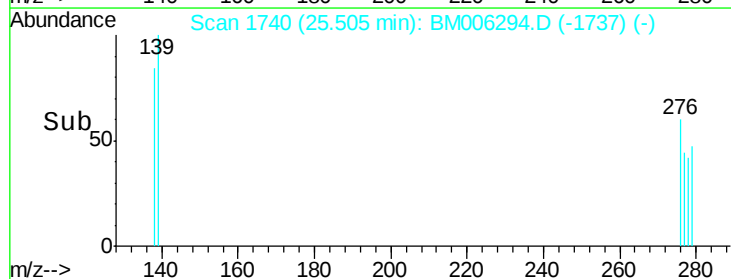
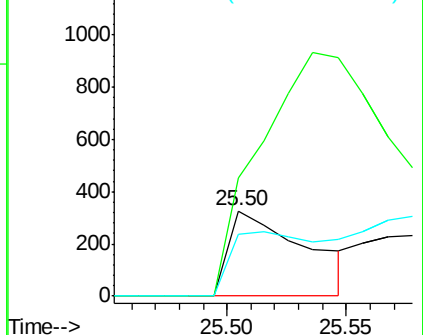
277 97.7 19.8 29.8#

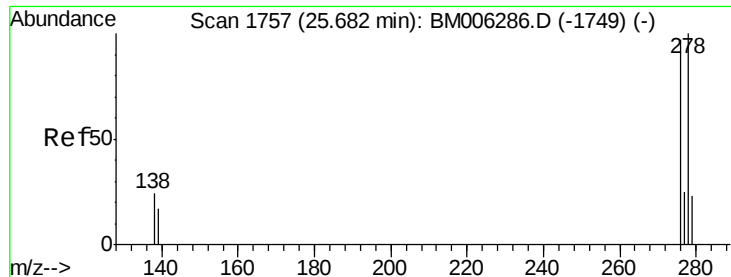


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

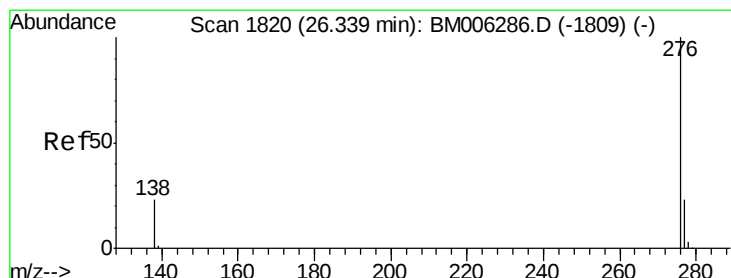
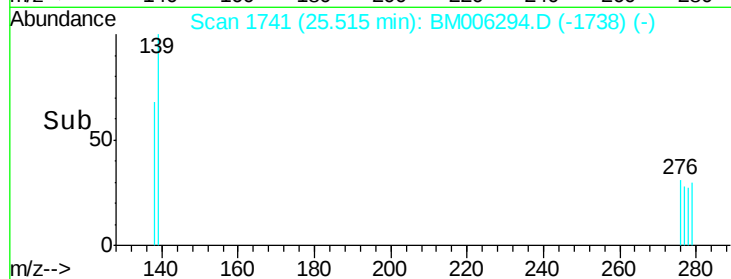
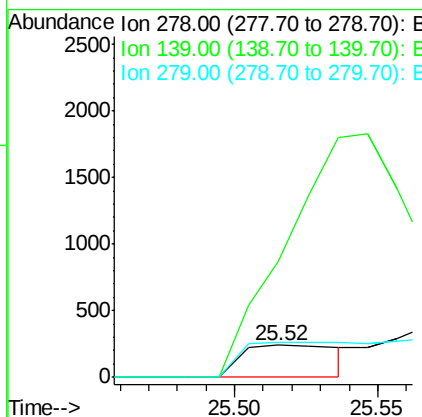
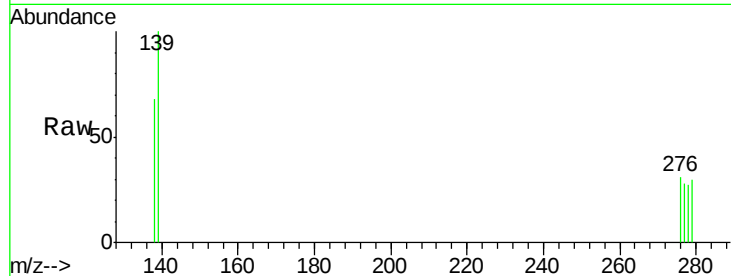




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.52 min Scan# 1741
Delta R.T. -0.17 min
Lab File: BM006294.D
Acq: 06 Jul 2016 22:03

Instrument :
BNA_M
ClientSampleId :
A4TV6MSD

Tgt Ion: 278 Resp: 575
Ion Ratio Lower Upper
278 100
139 364.0 16.4 24.6#
279 109.2 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.01 min Scan# 1788
Delta R.T. -0.33 min
Lab File: BM006294.D
Acq: 06 Jul 2016 22:03

Tgt Ion: 276 Resp: 921
Ion Ratio Lower Upper
276 100
277 63.5 18.9 28.3#
138 118.9 22.5 33.7#

